



MantiumCAE

Report 2D Diagrams

Date: Jul. 02, 2015

Project: **MR_opt_02**

Design States: All Designs

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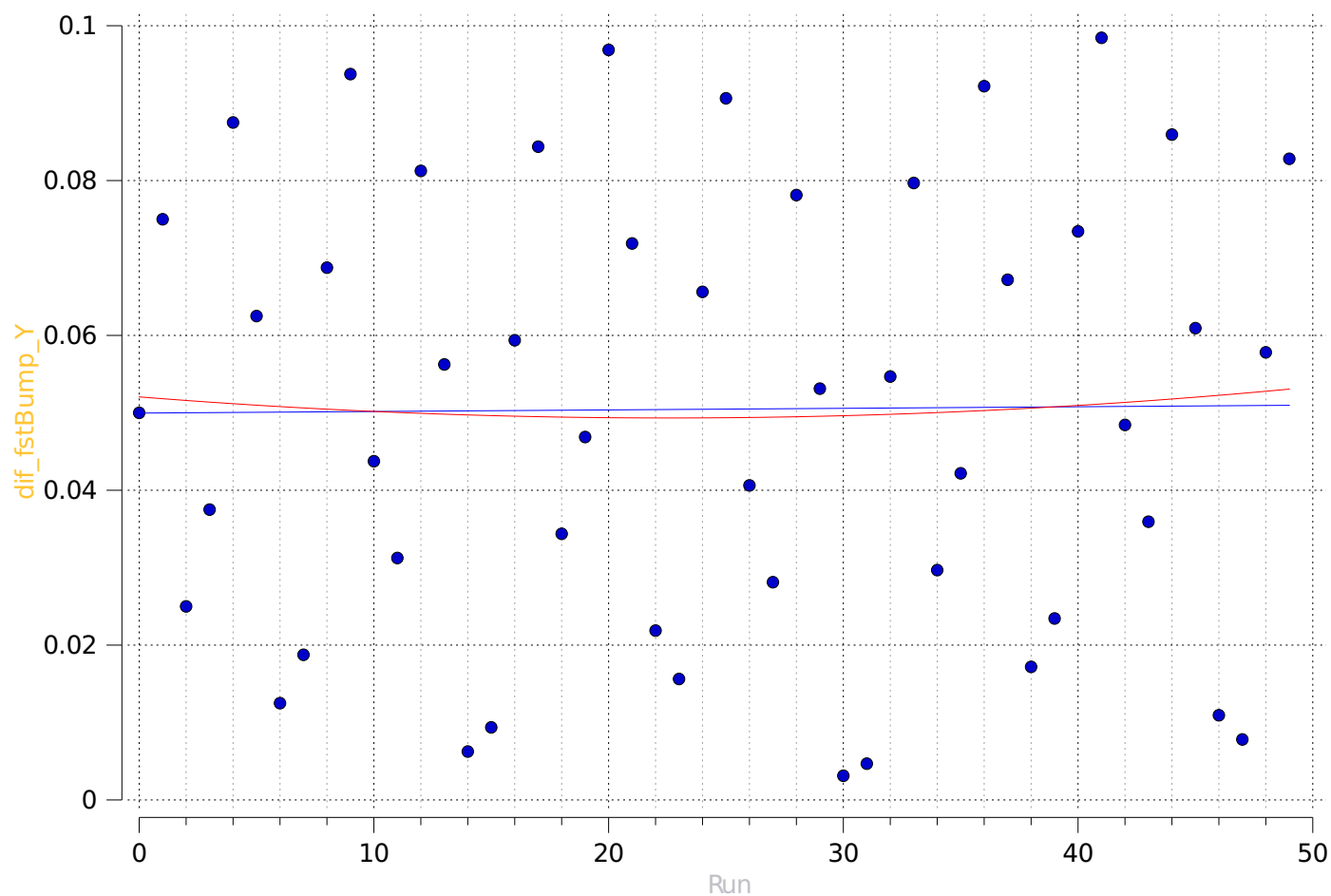
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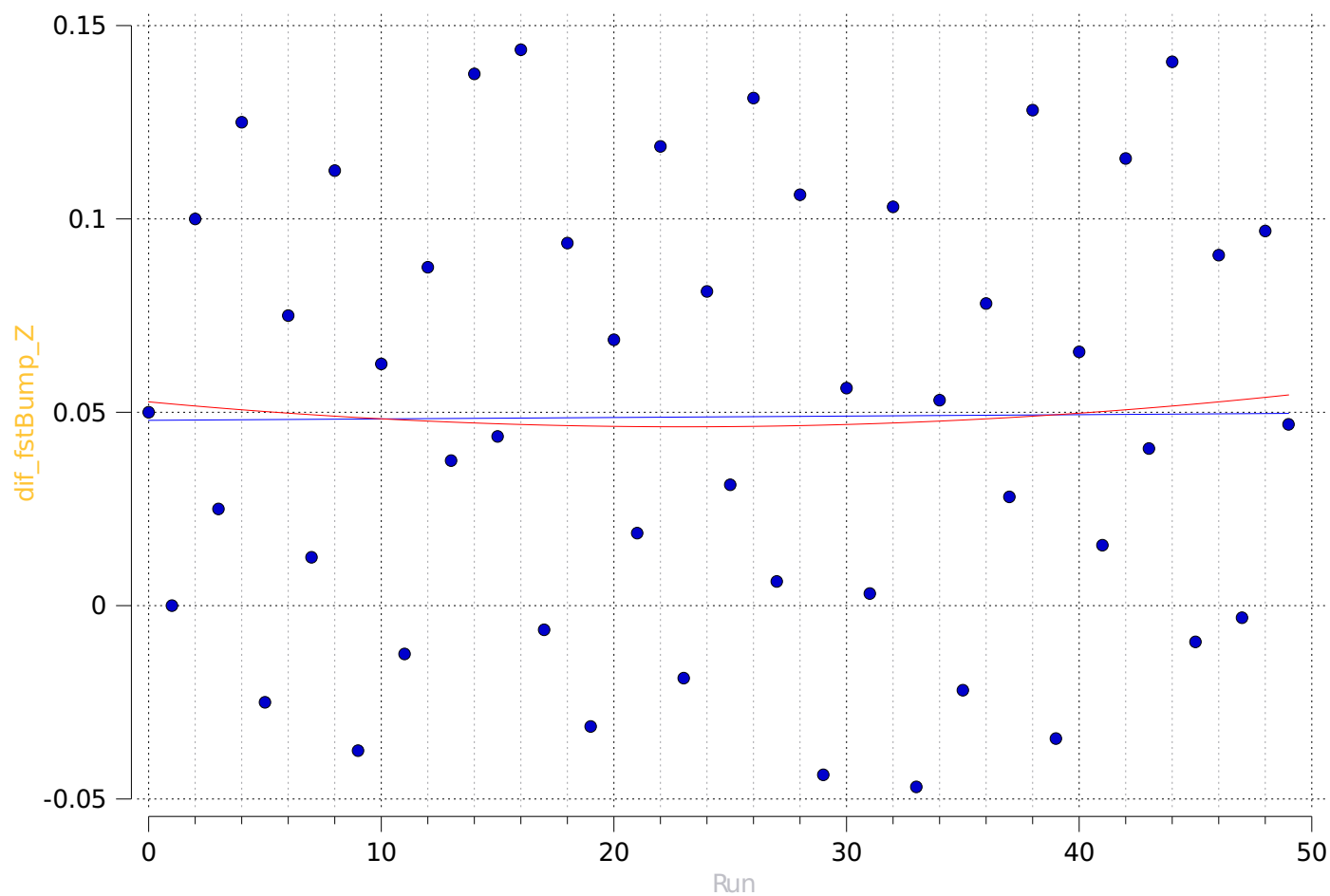
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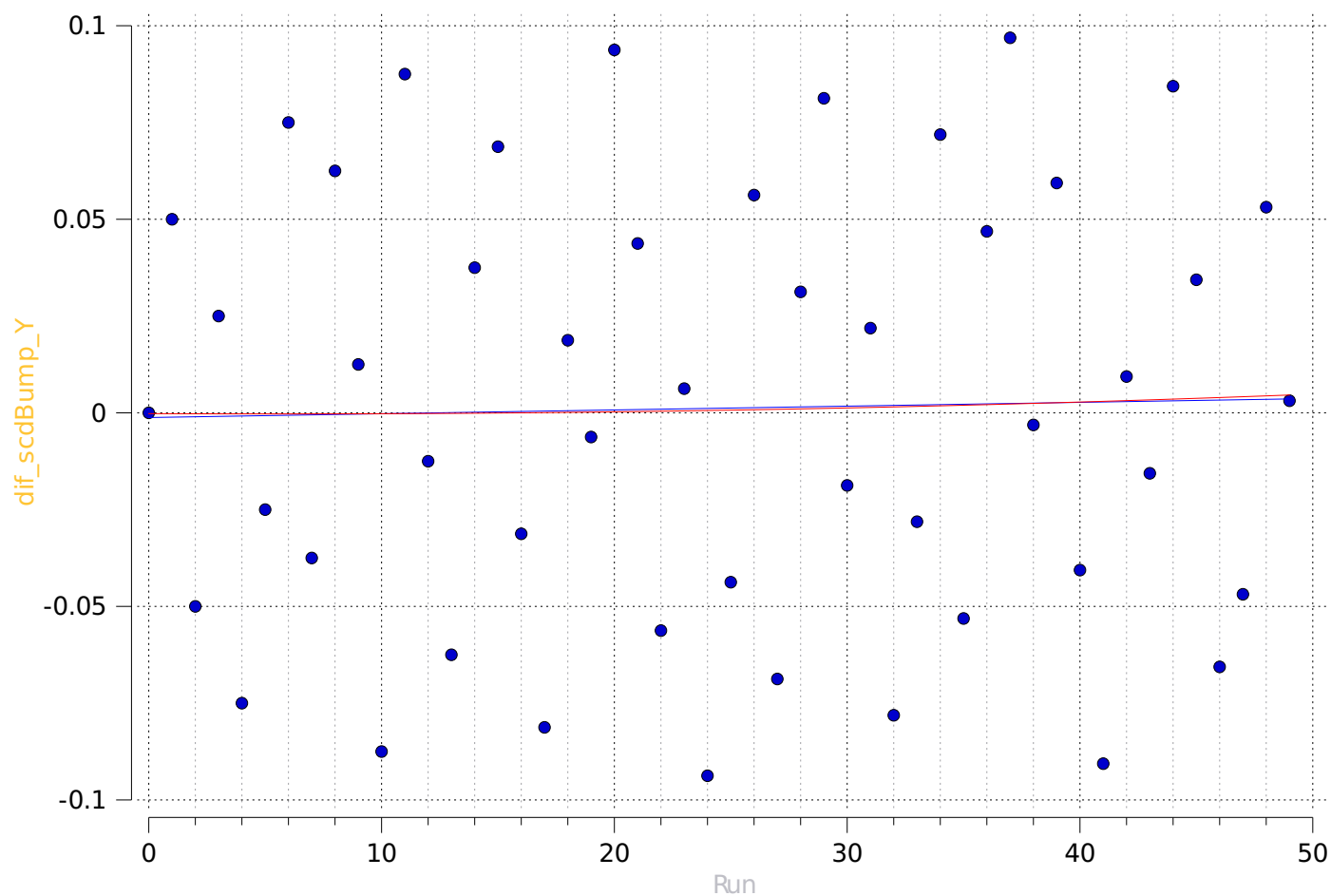
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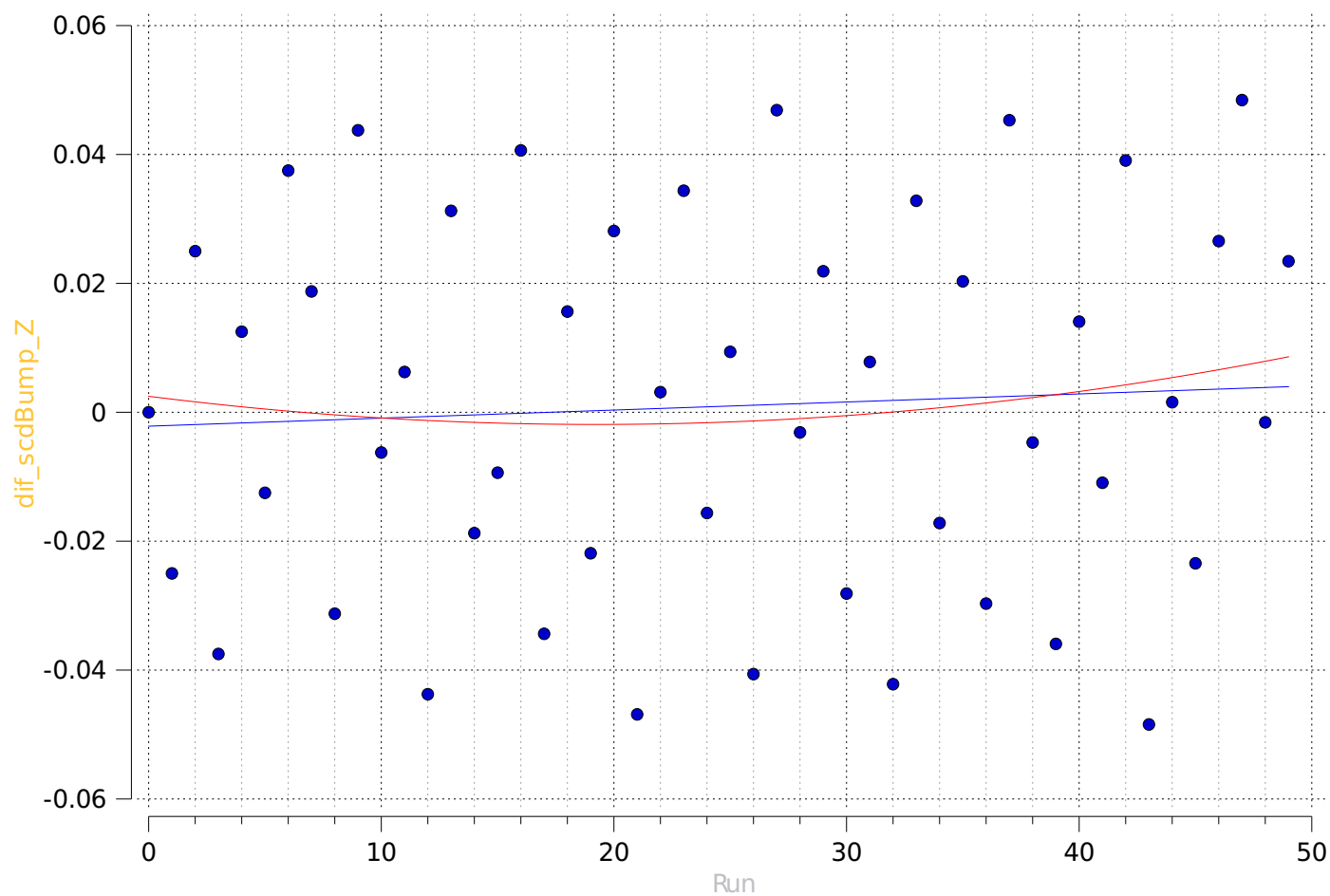
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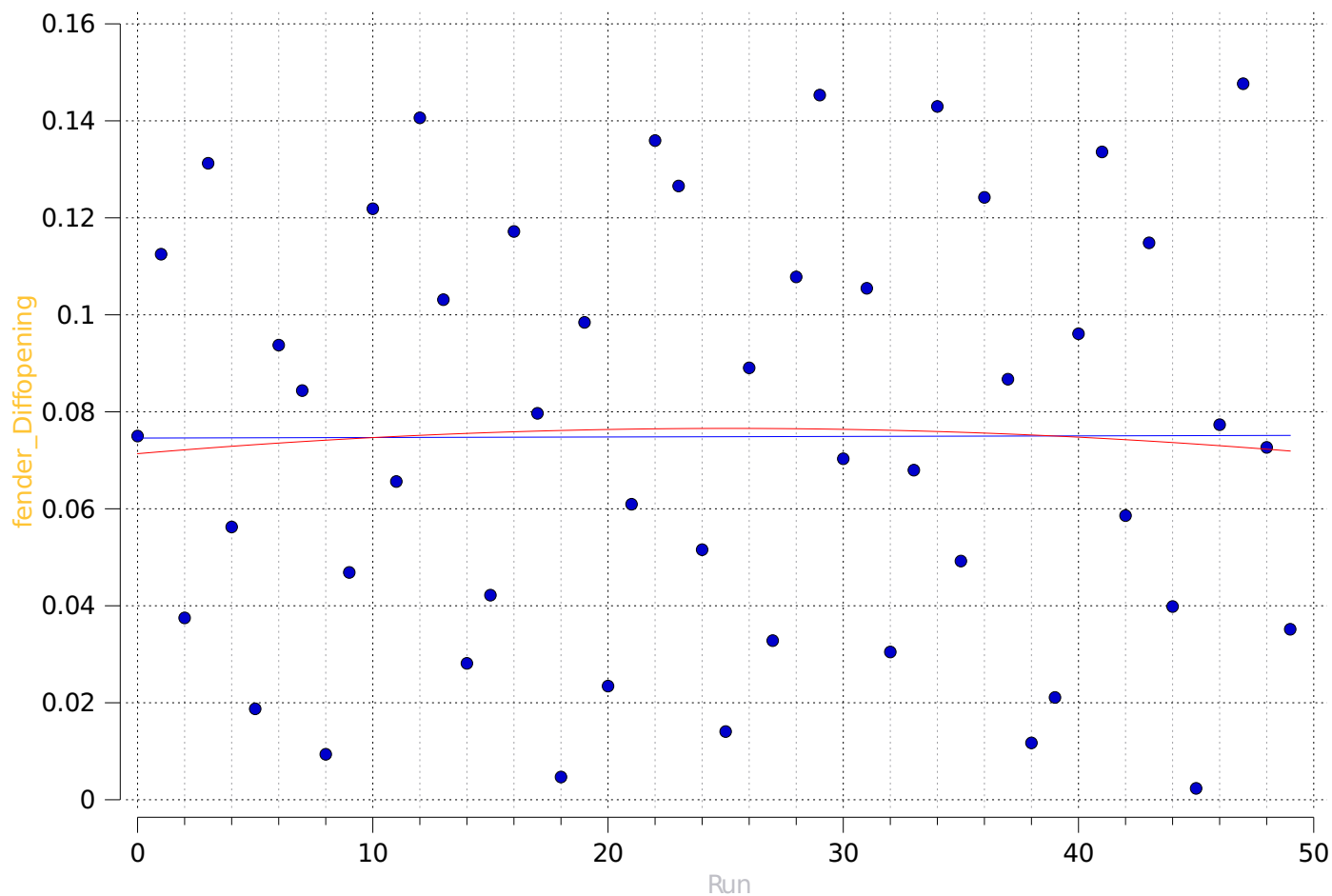
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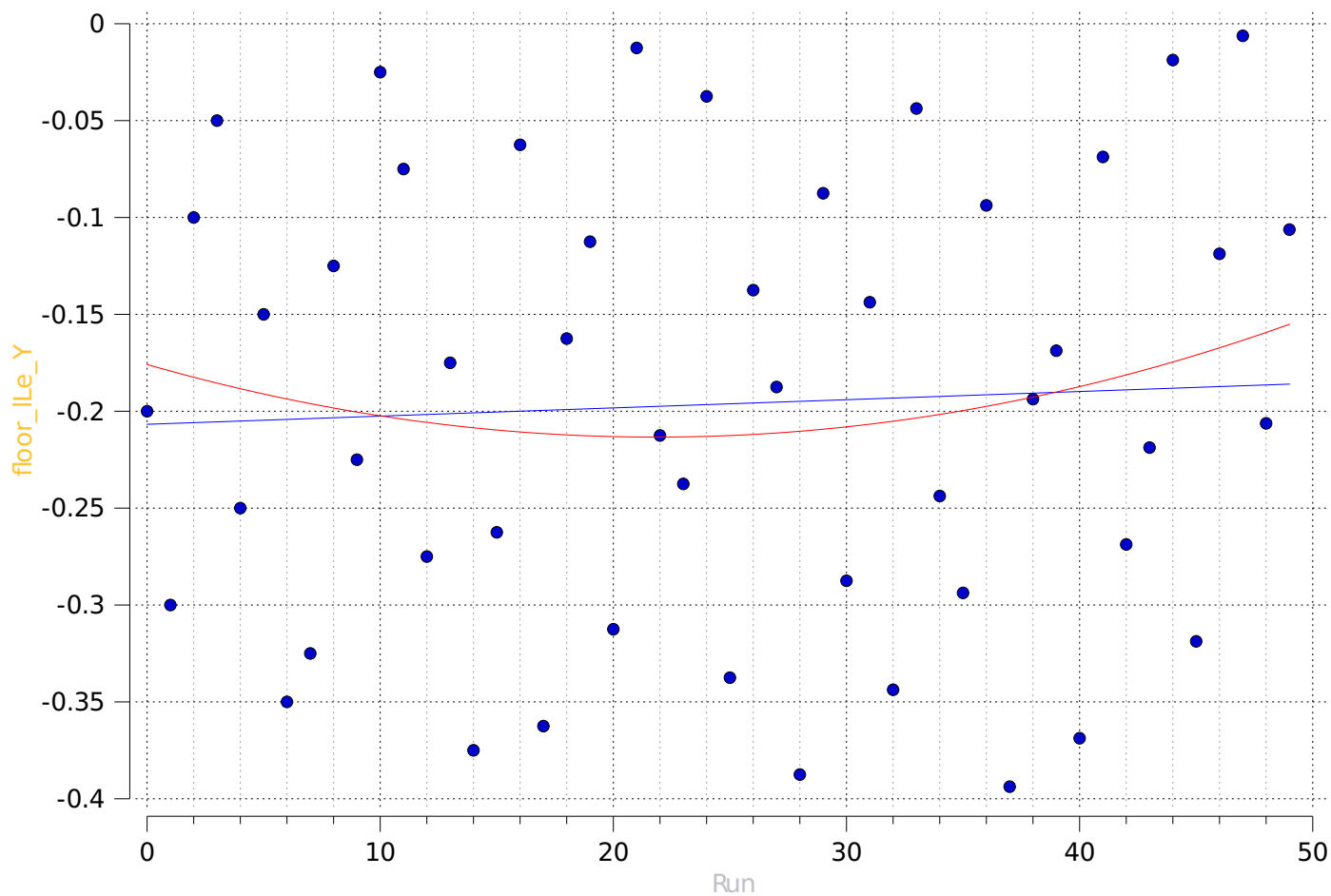
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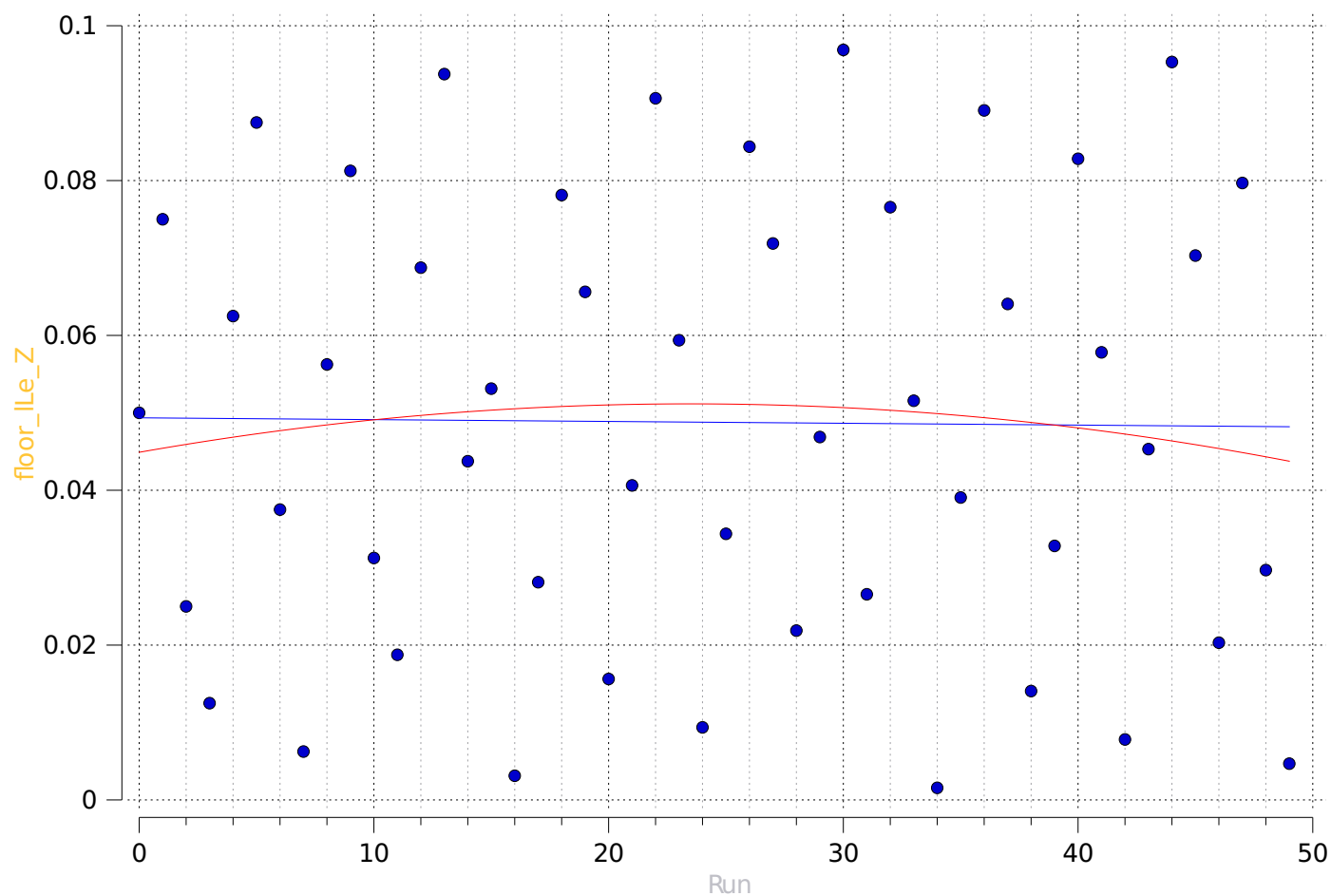
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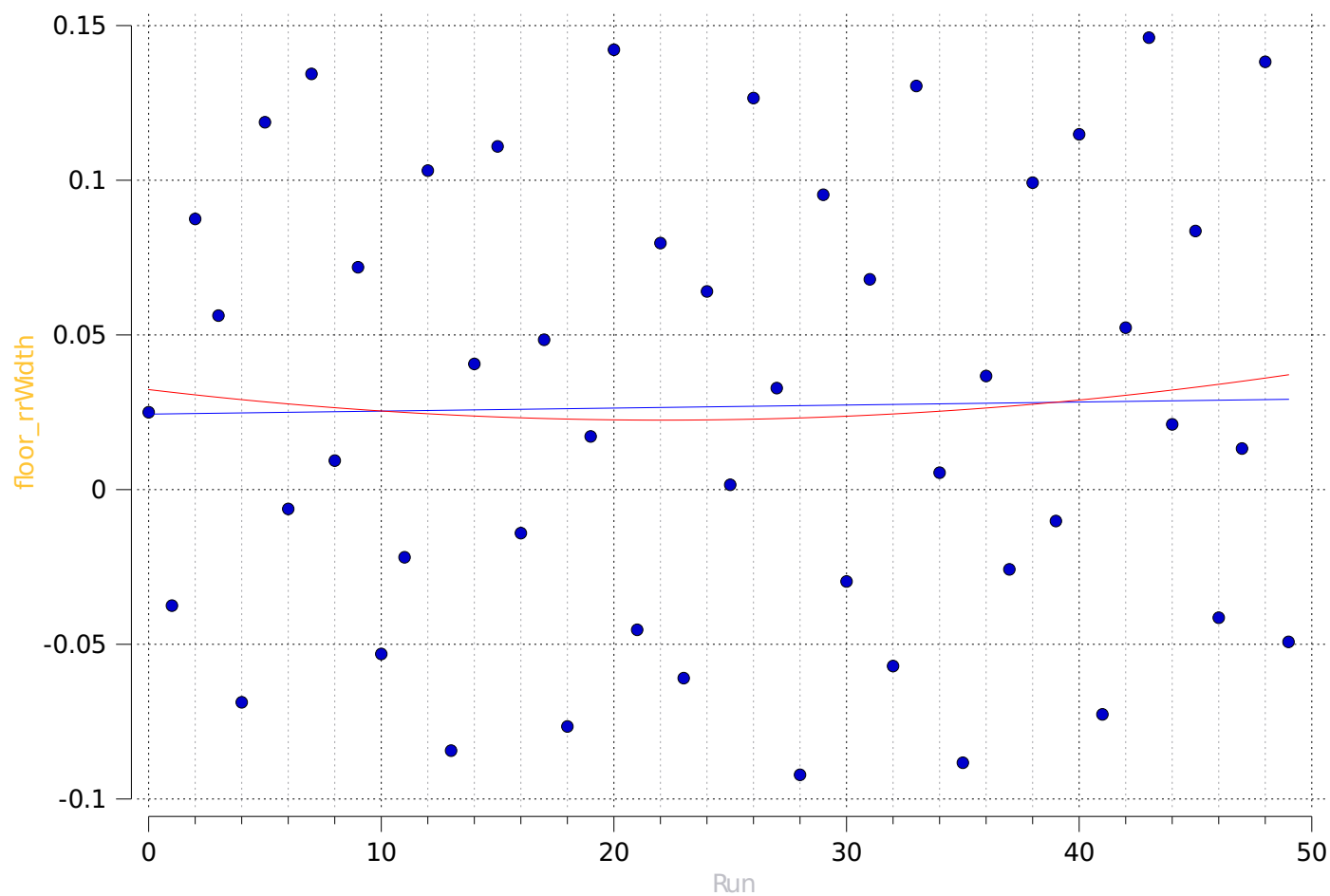
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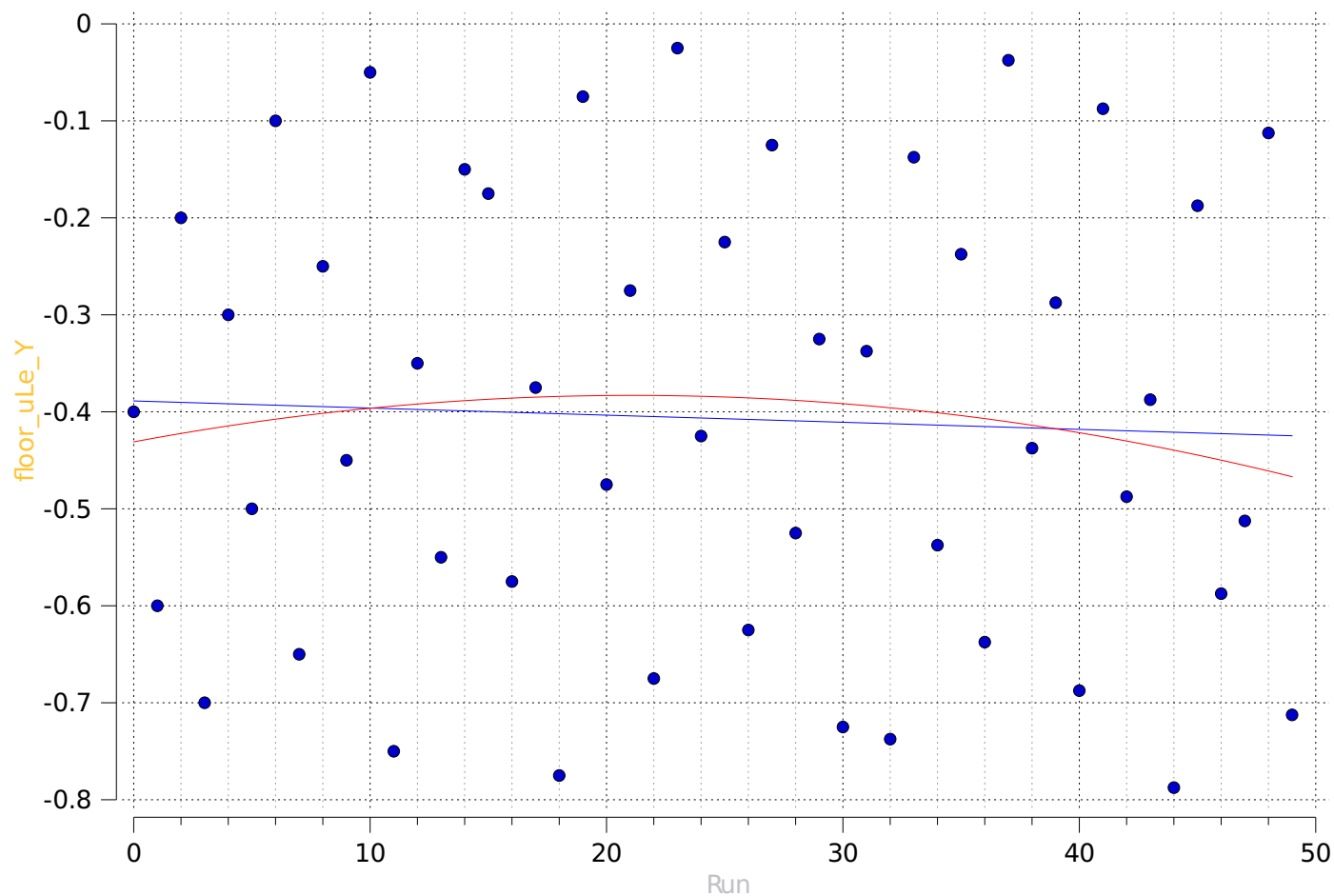
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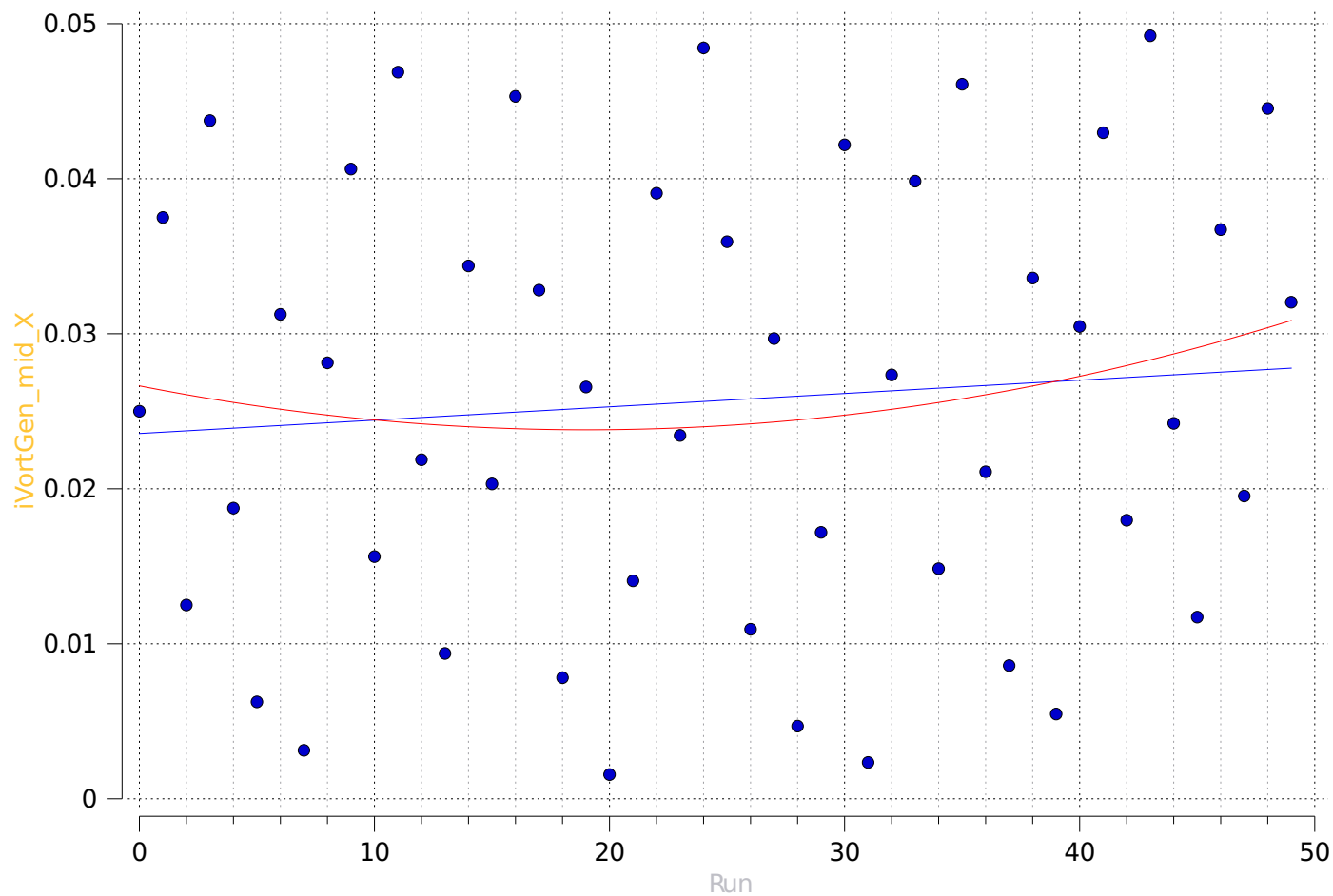
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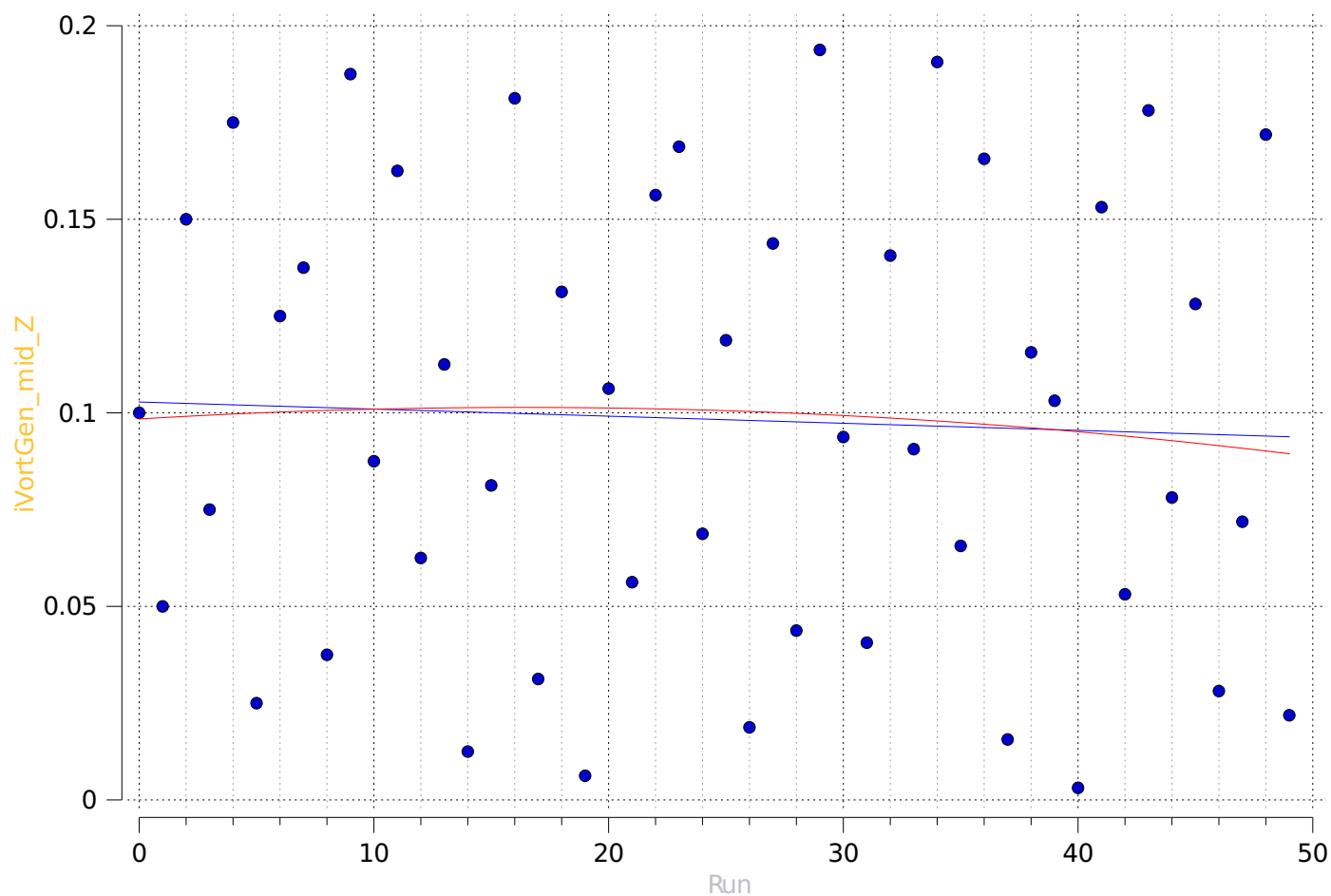
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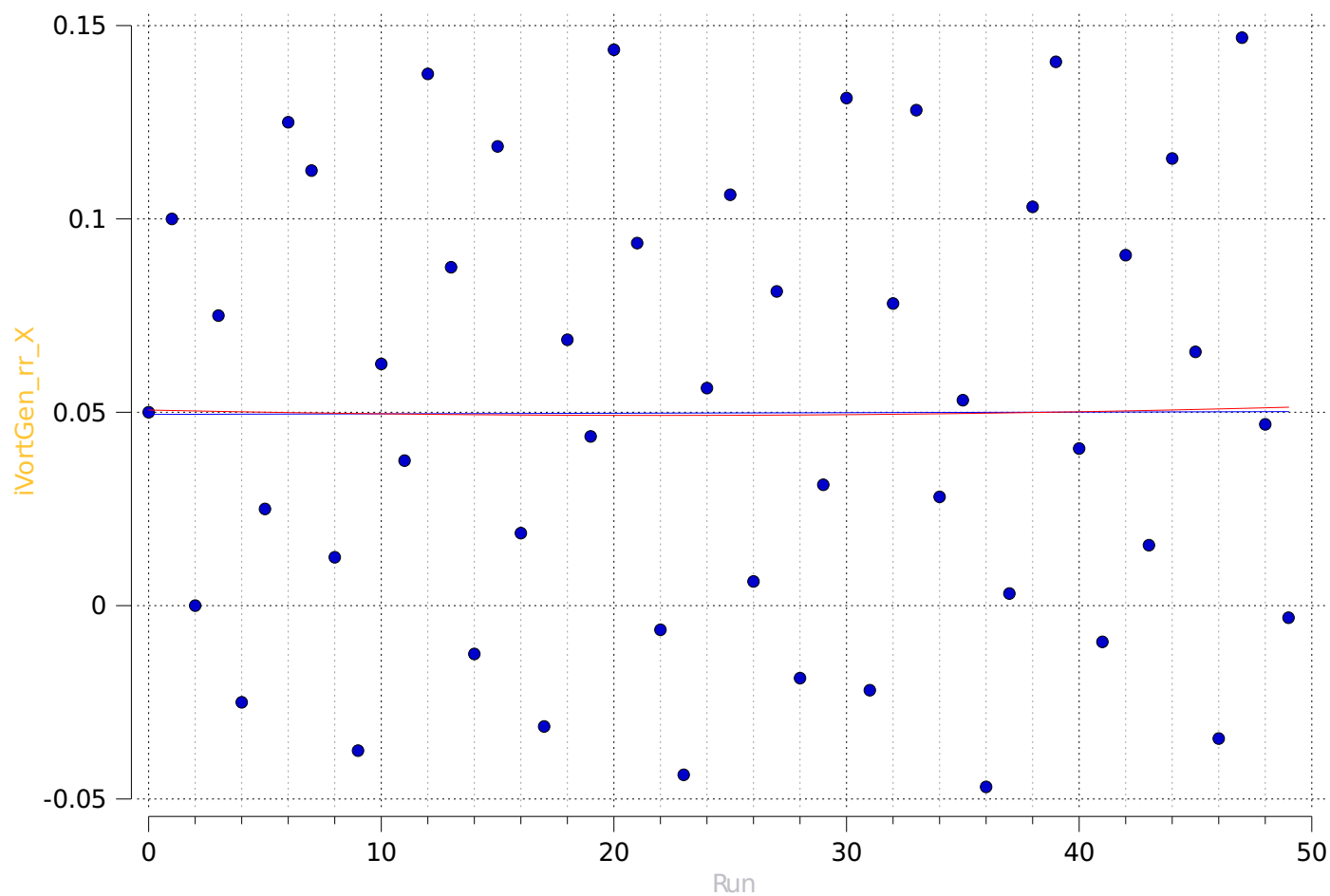
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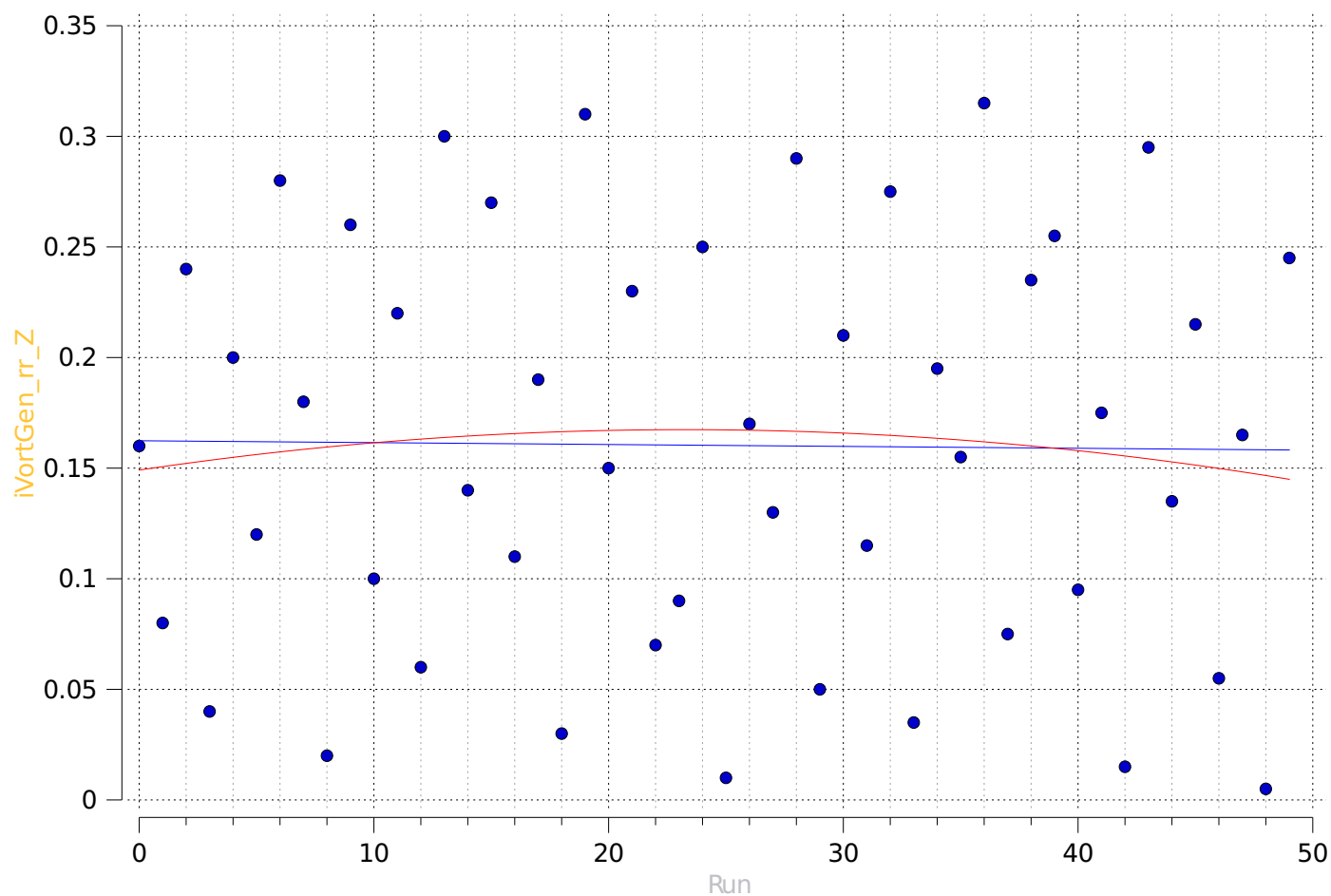
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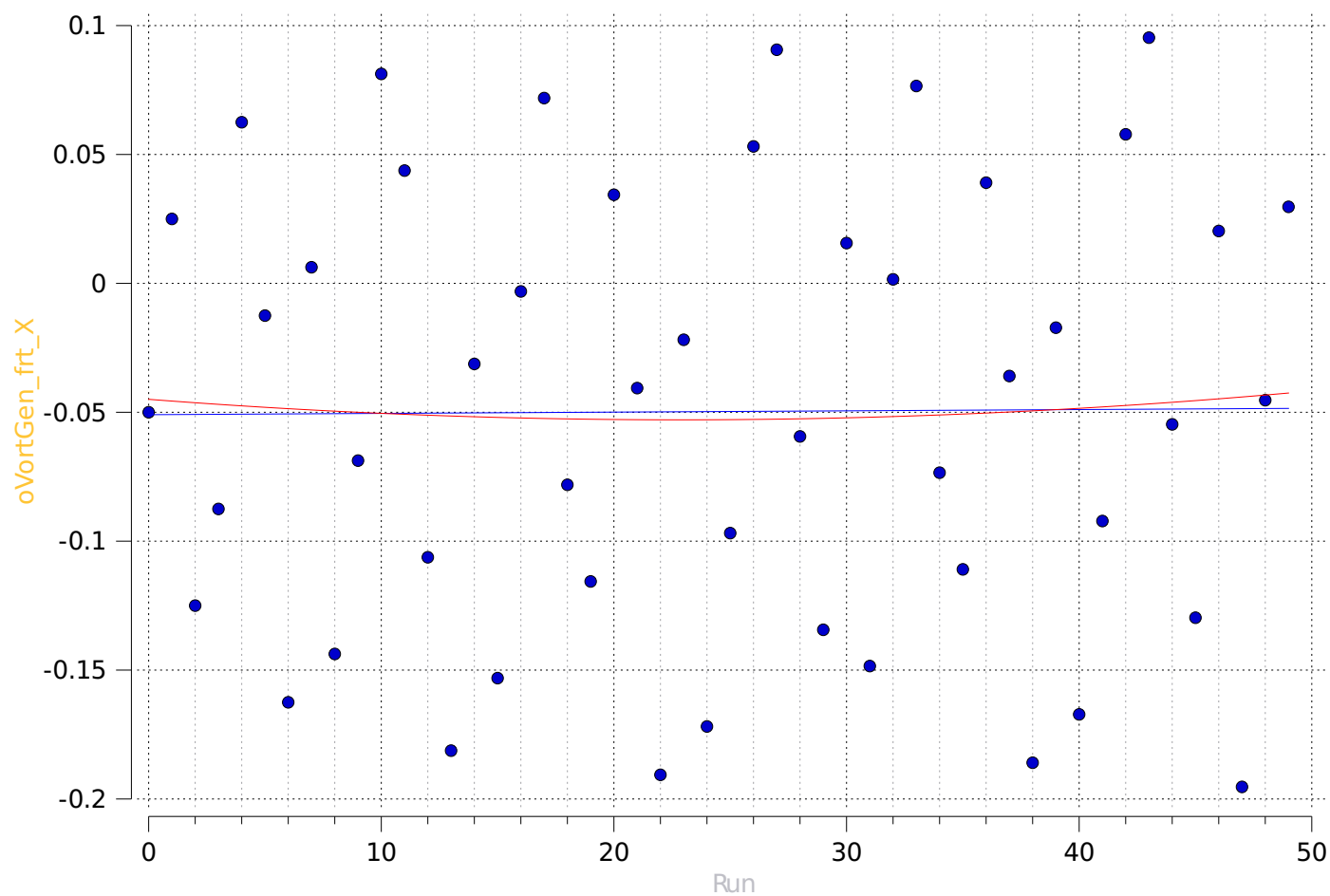
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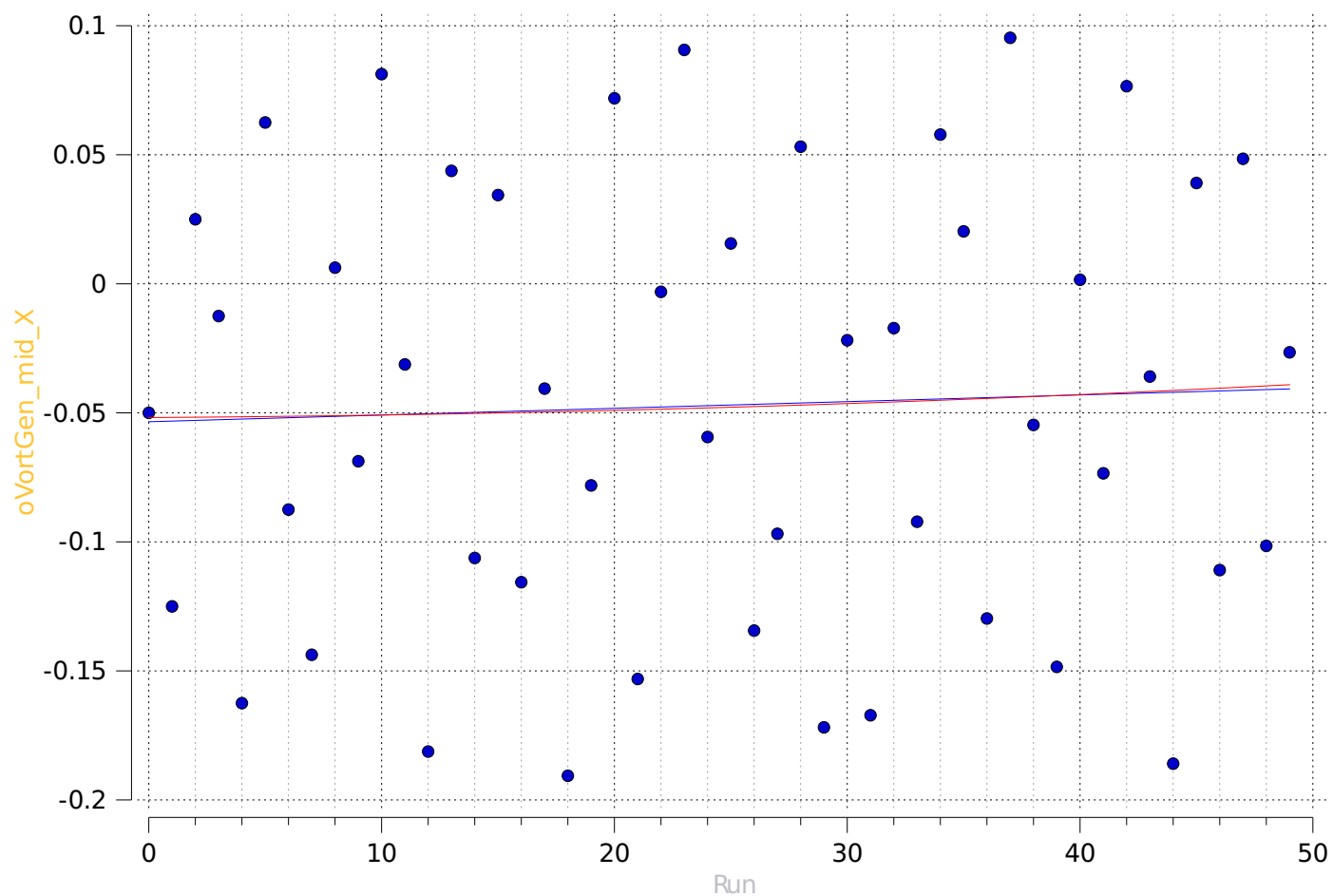
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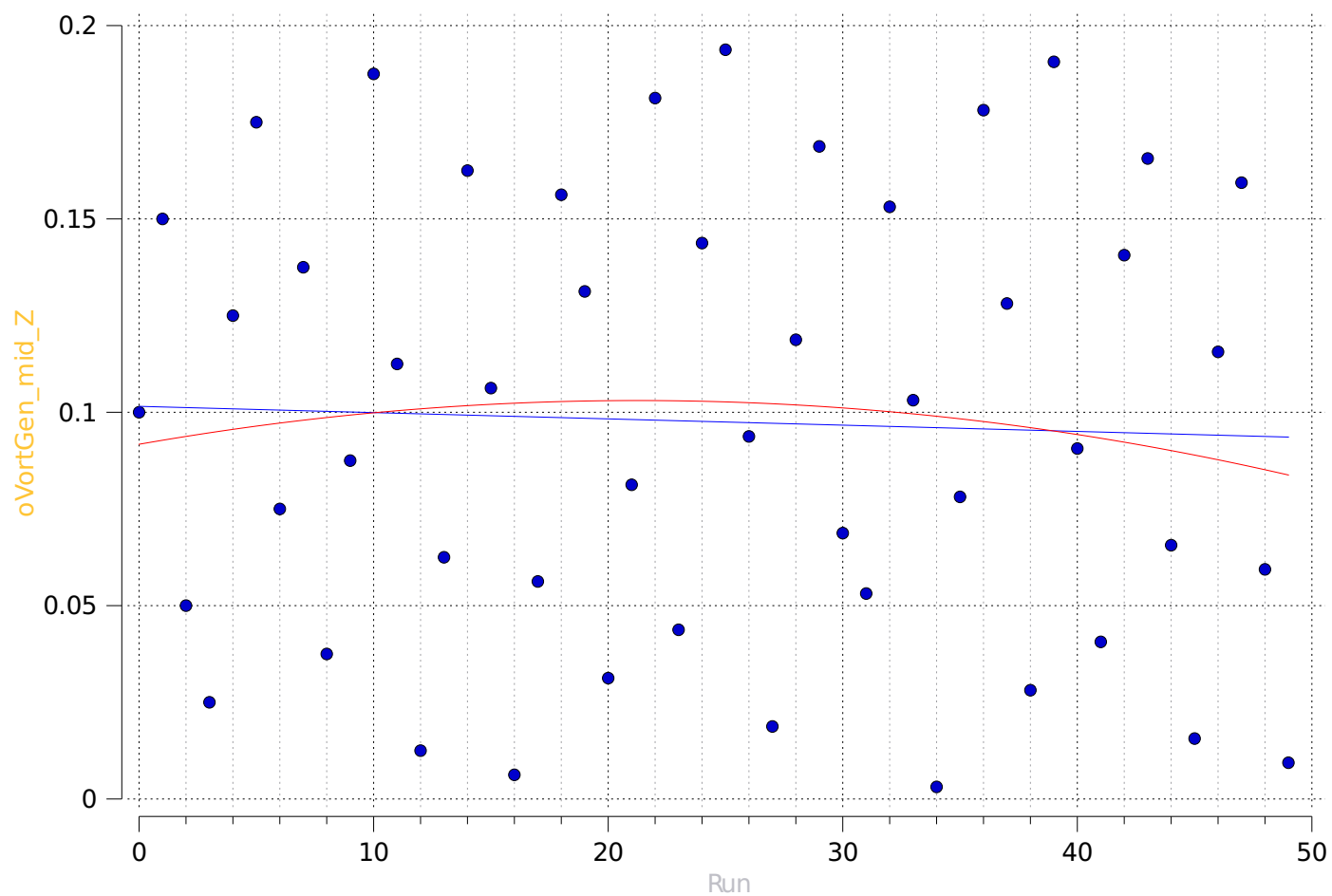
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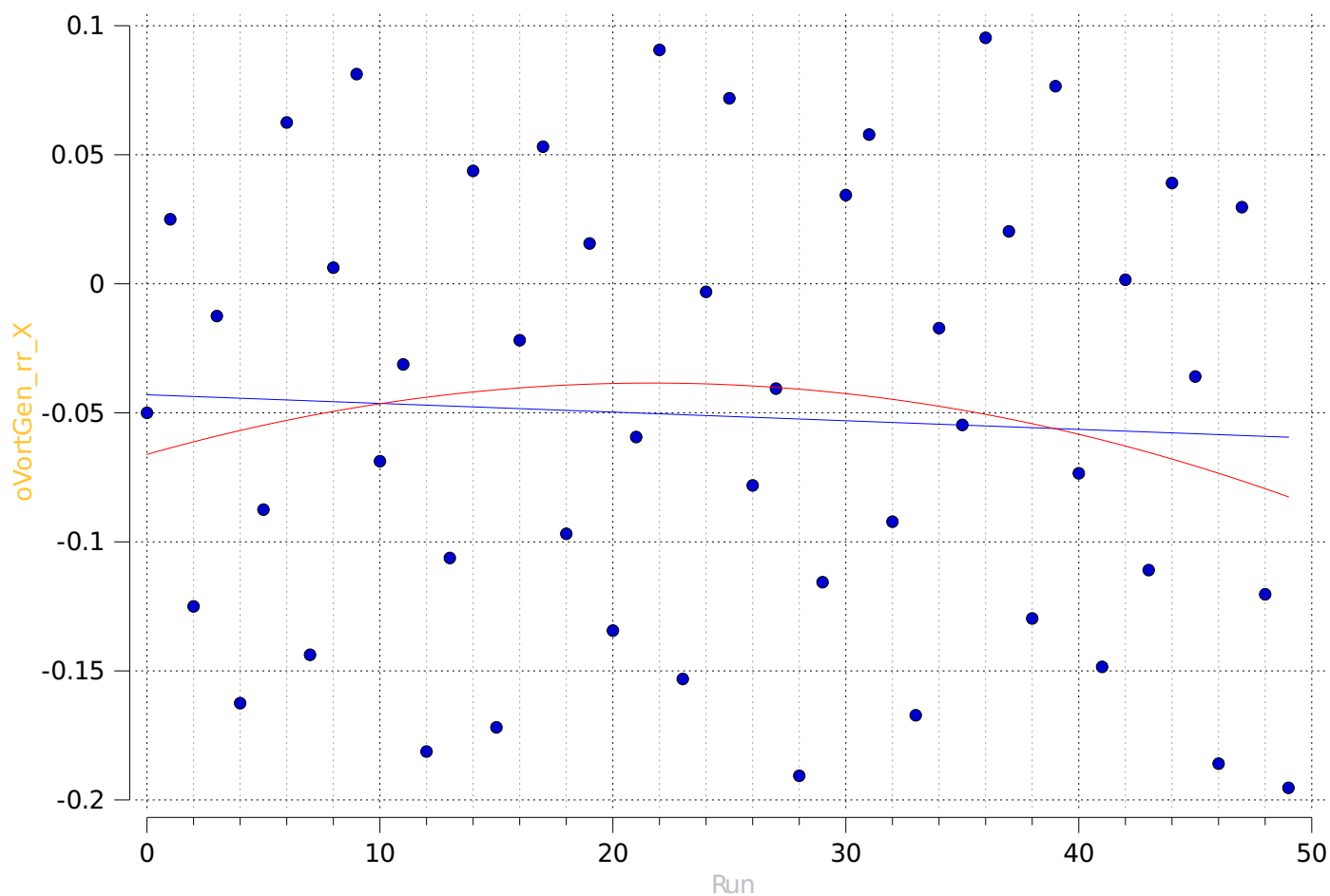
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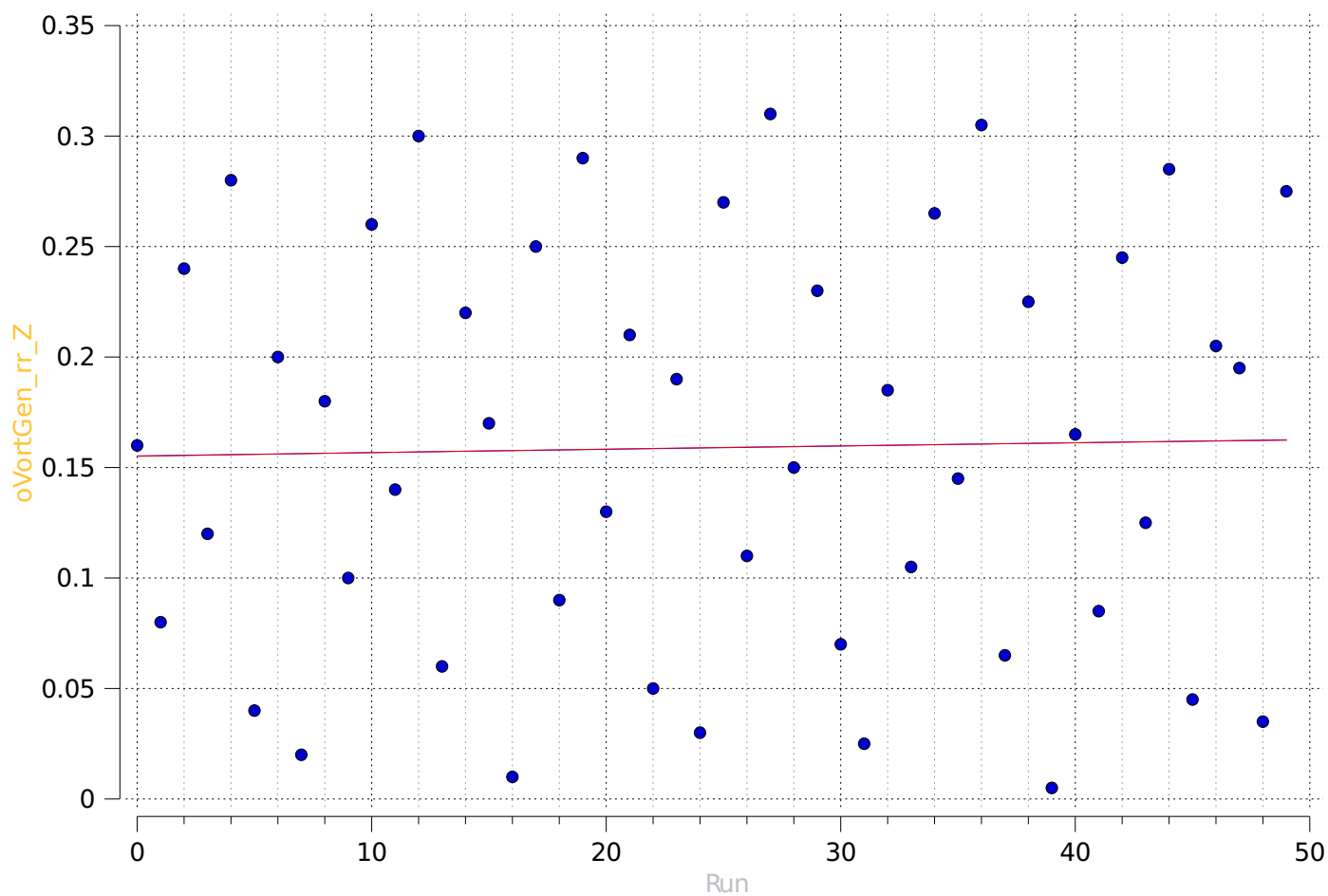
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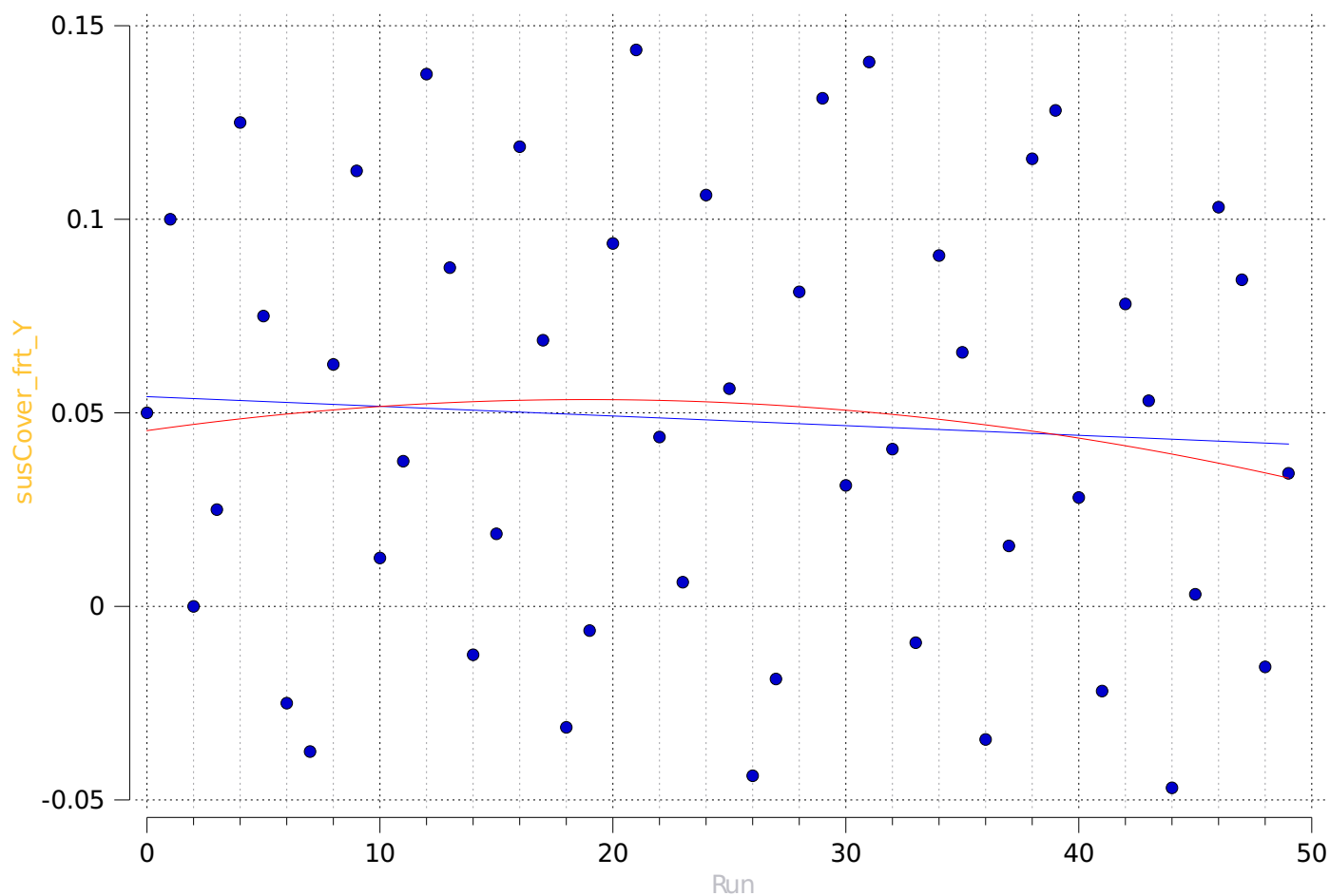
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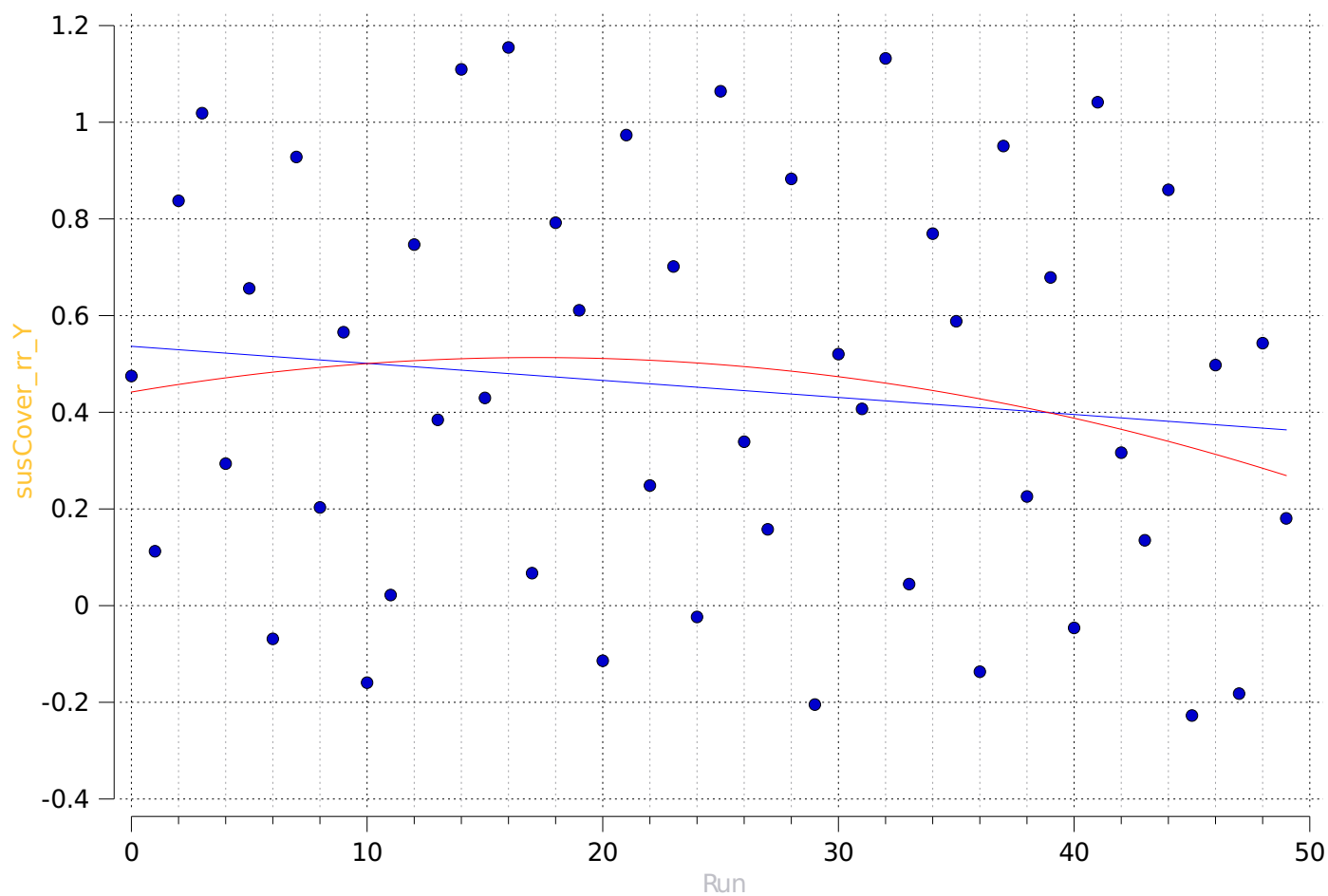
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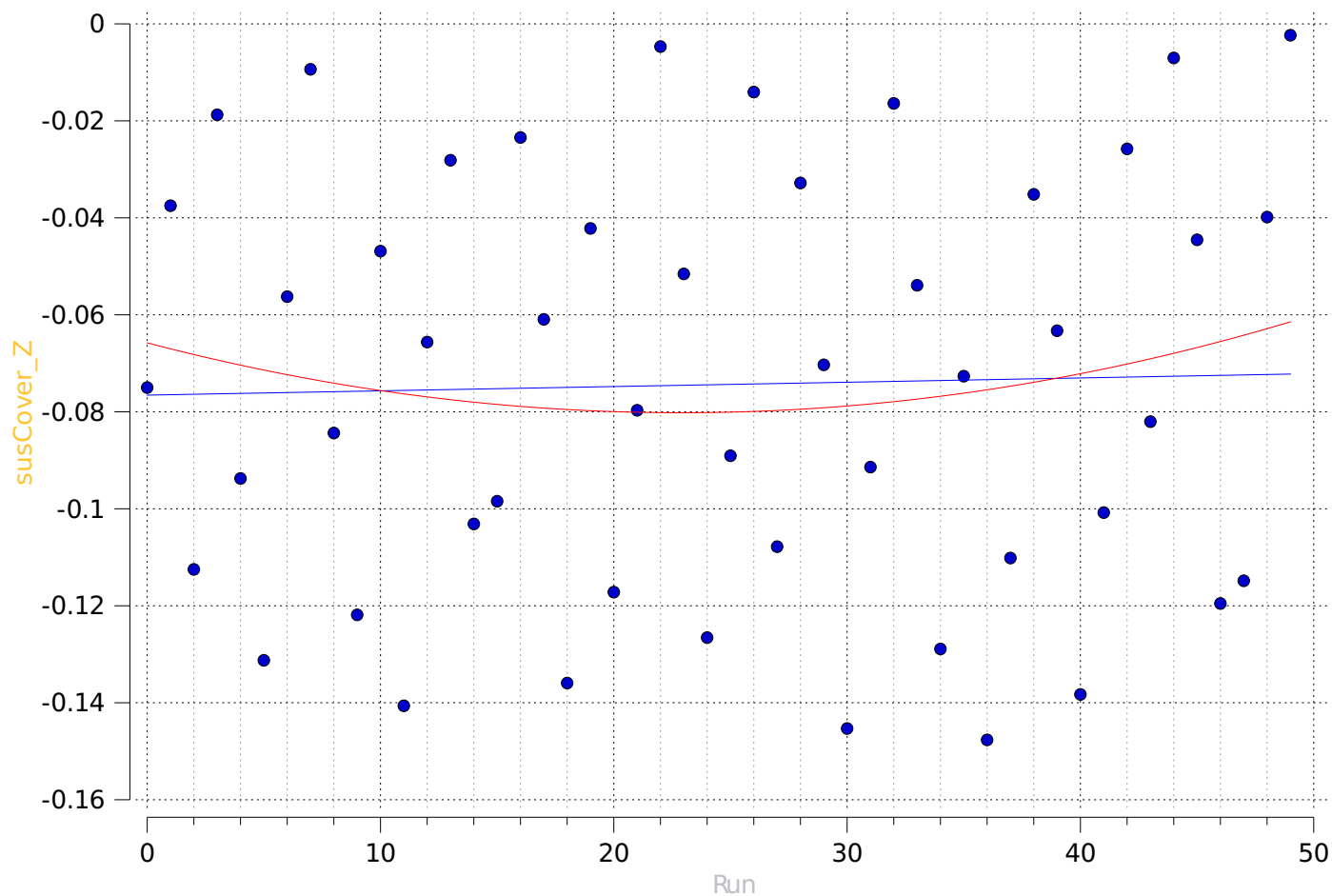
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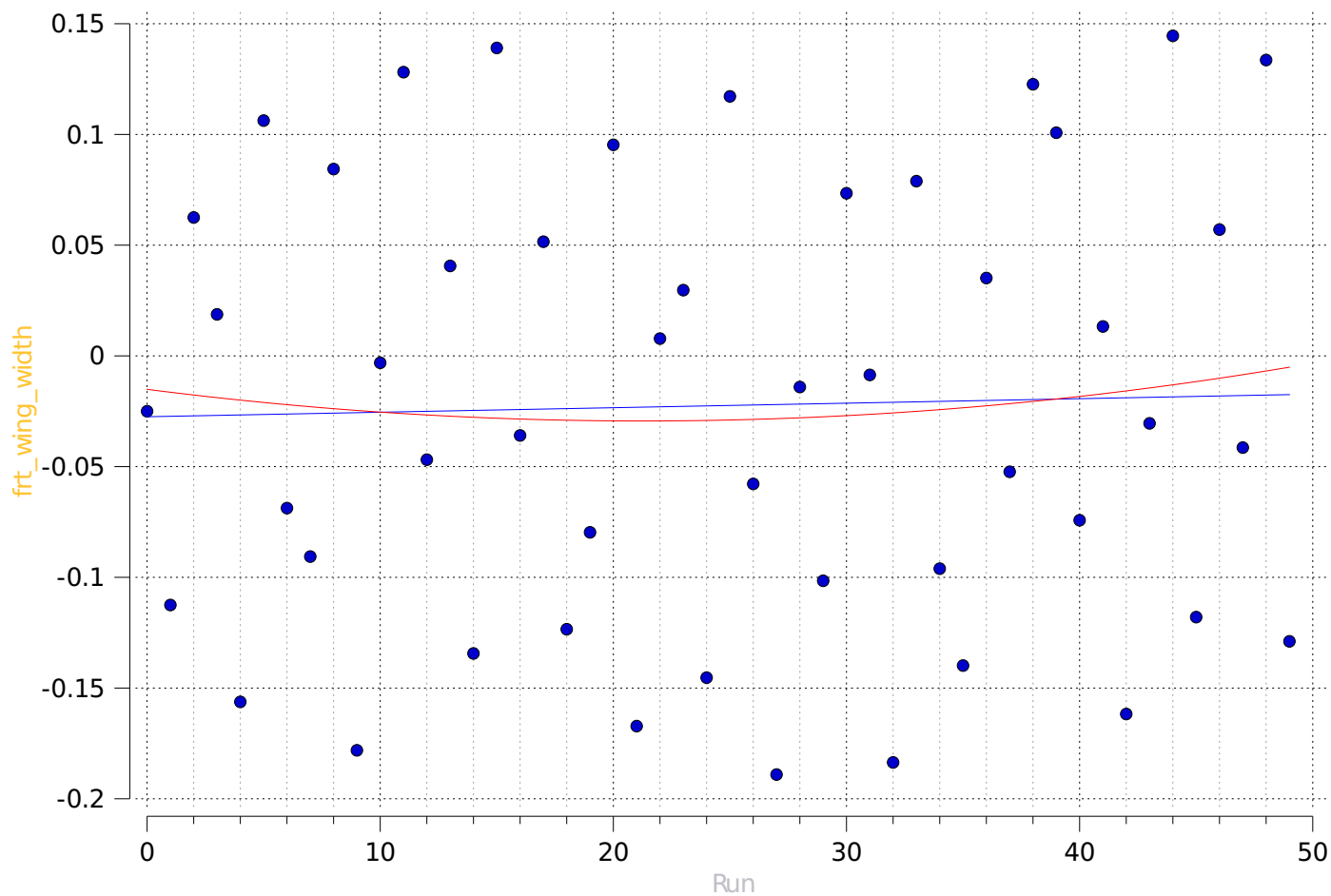
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Design Variable |DVs|susCover_Z
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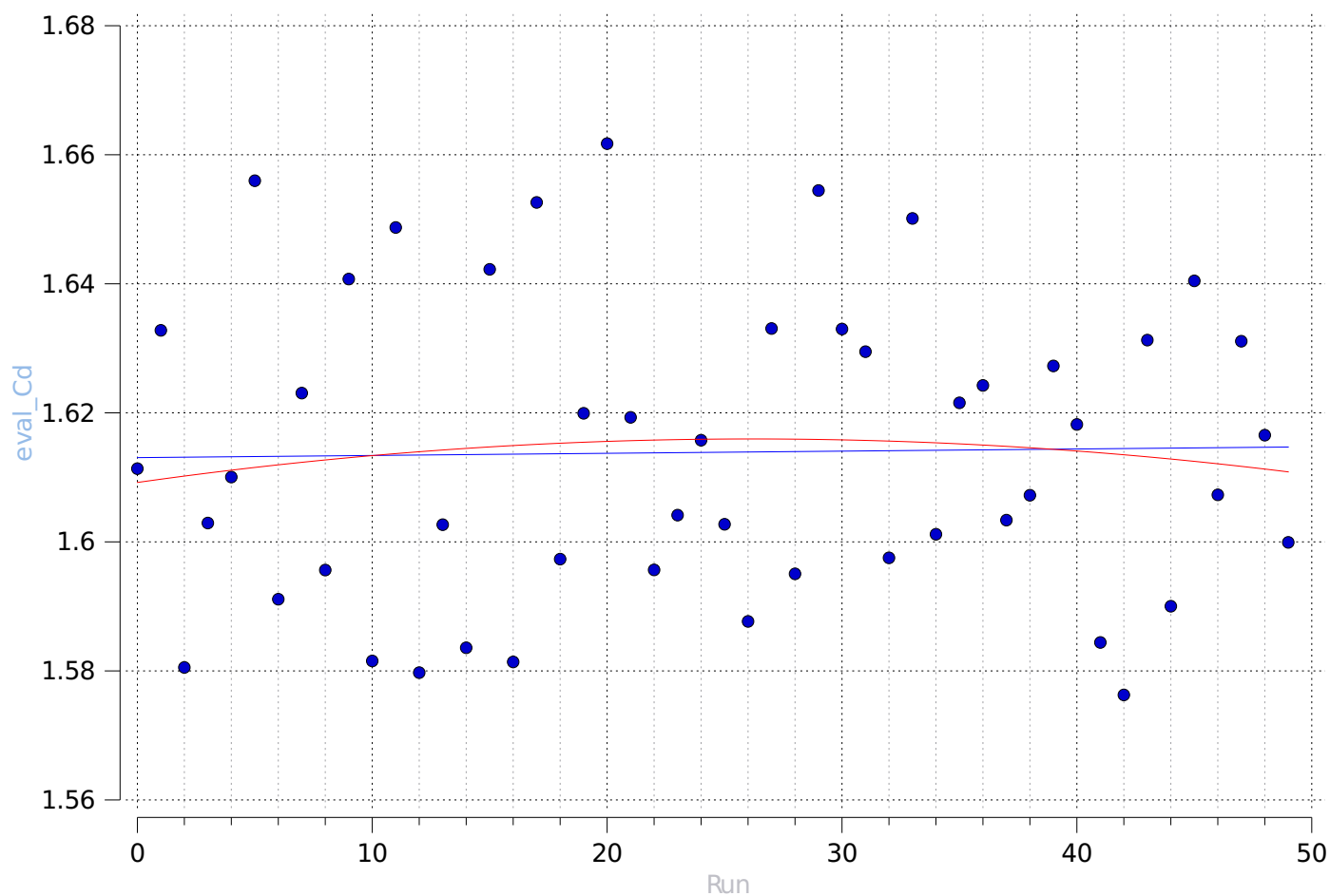


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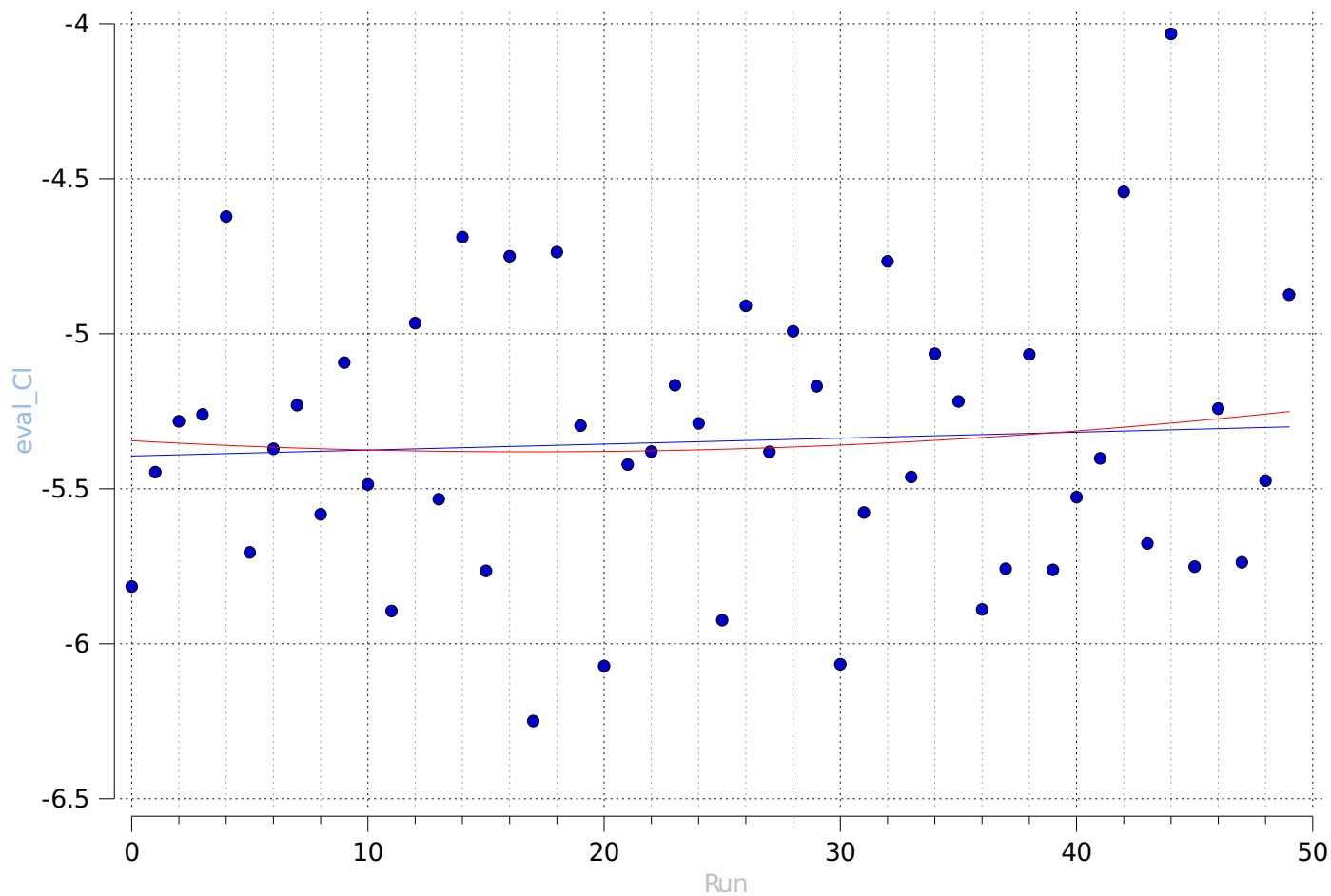
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|eval_Cd
Run



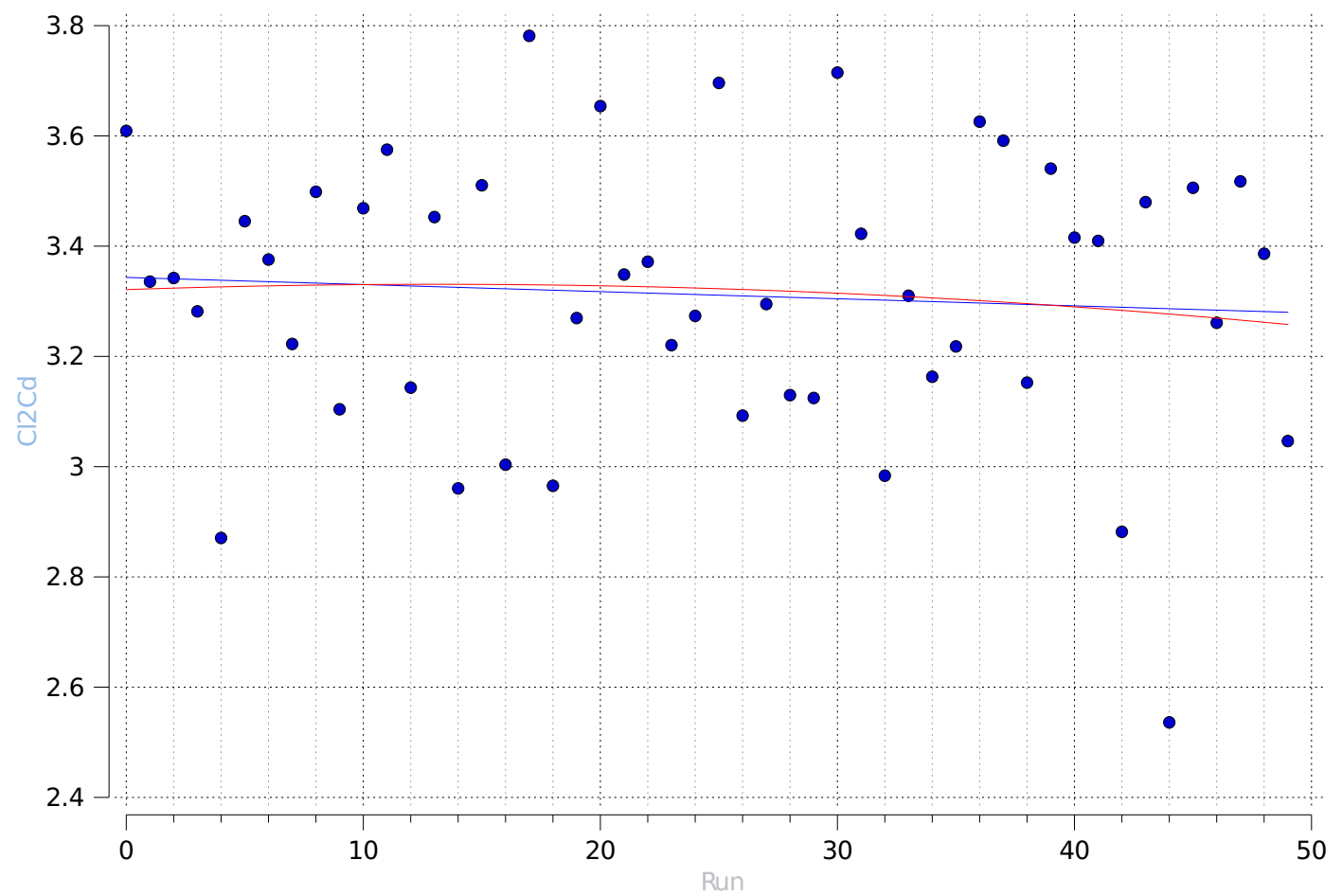
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|eval_Cl
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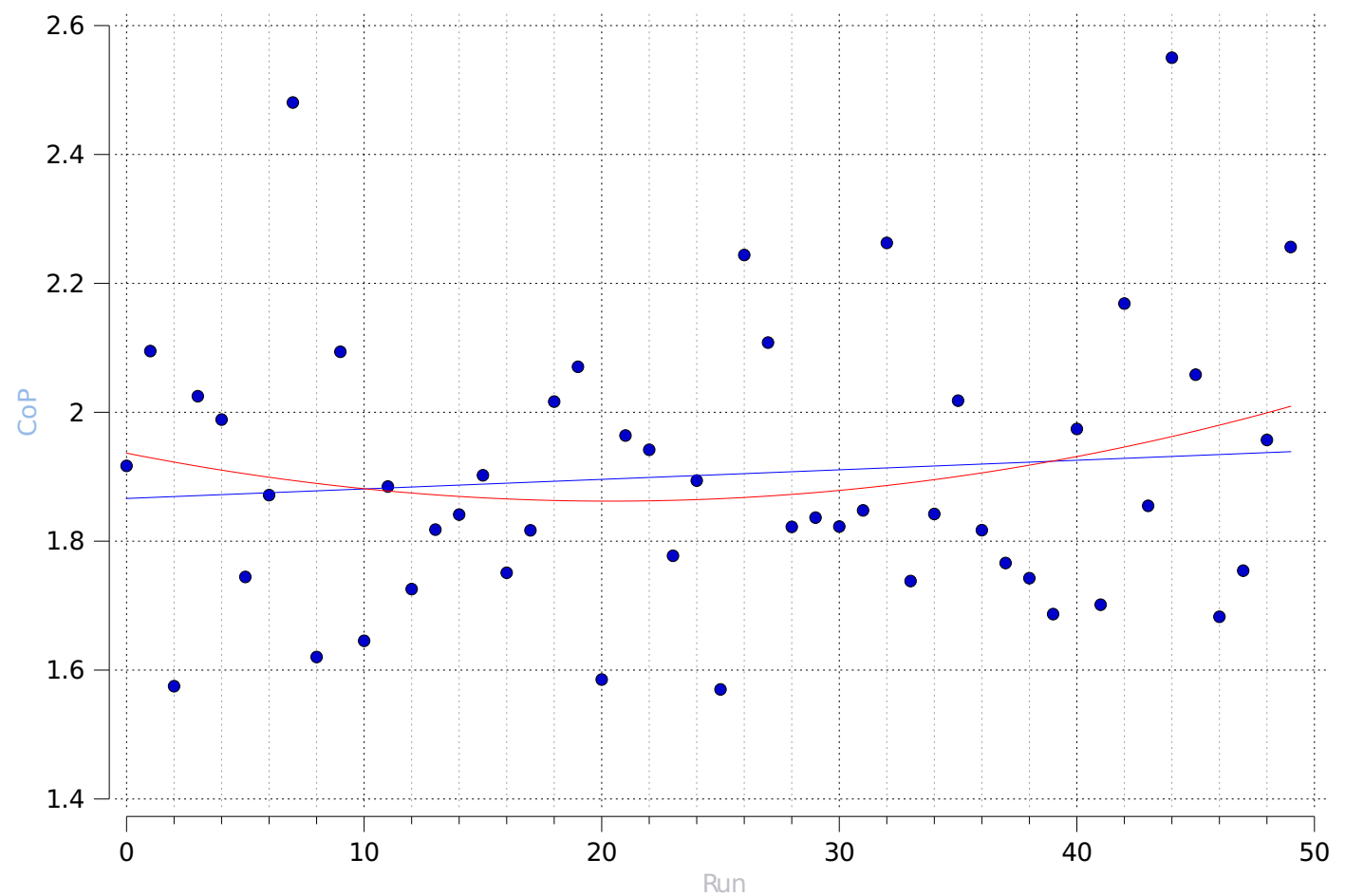
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|Cl2Cd
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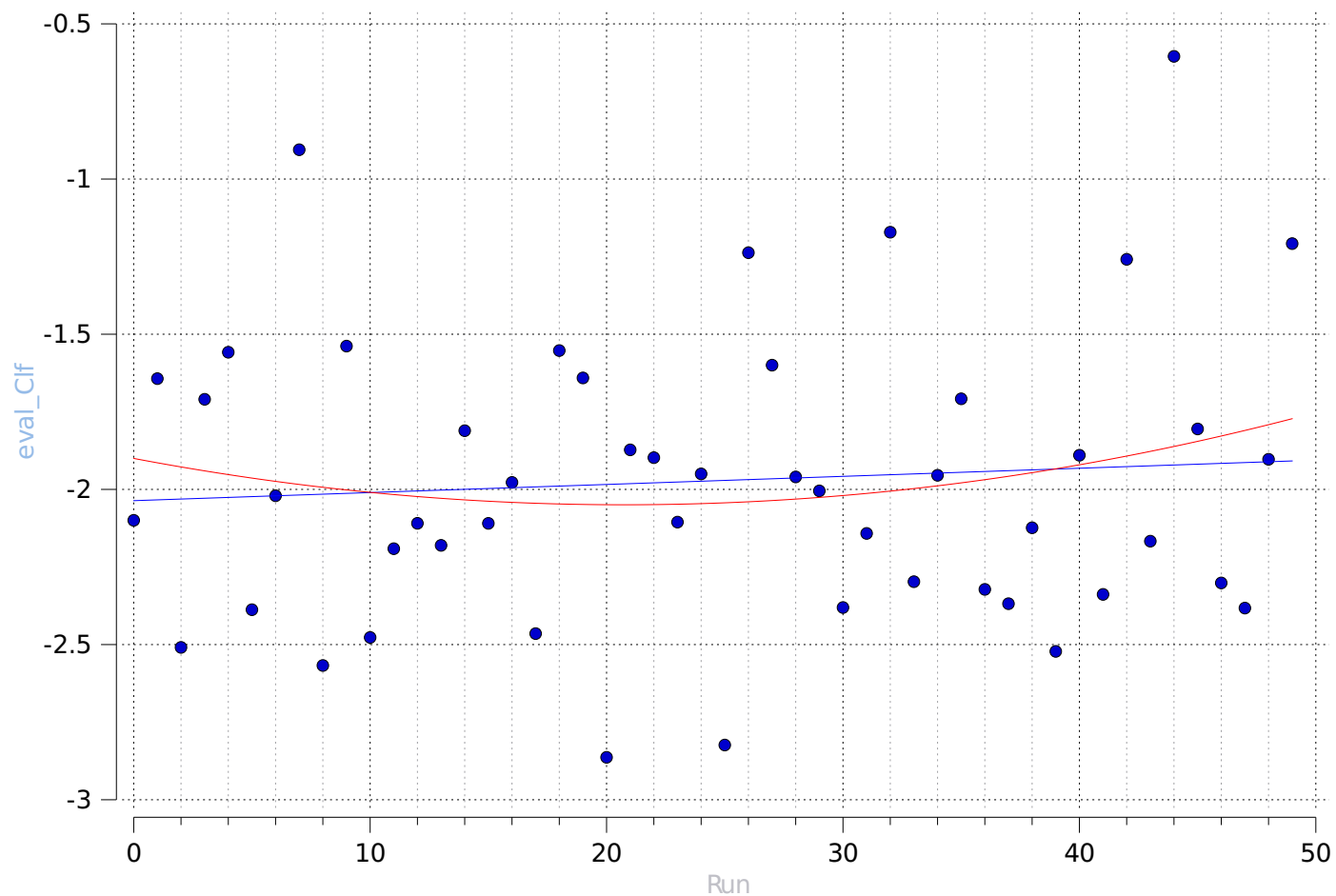


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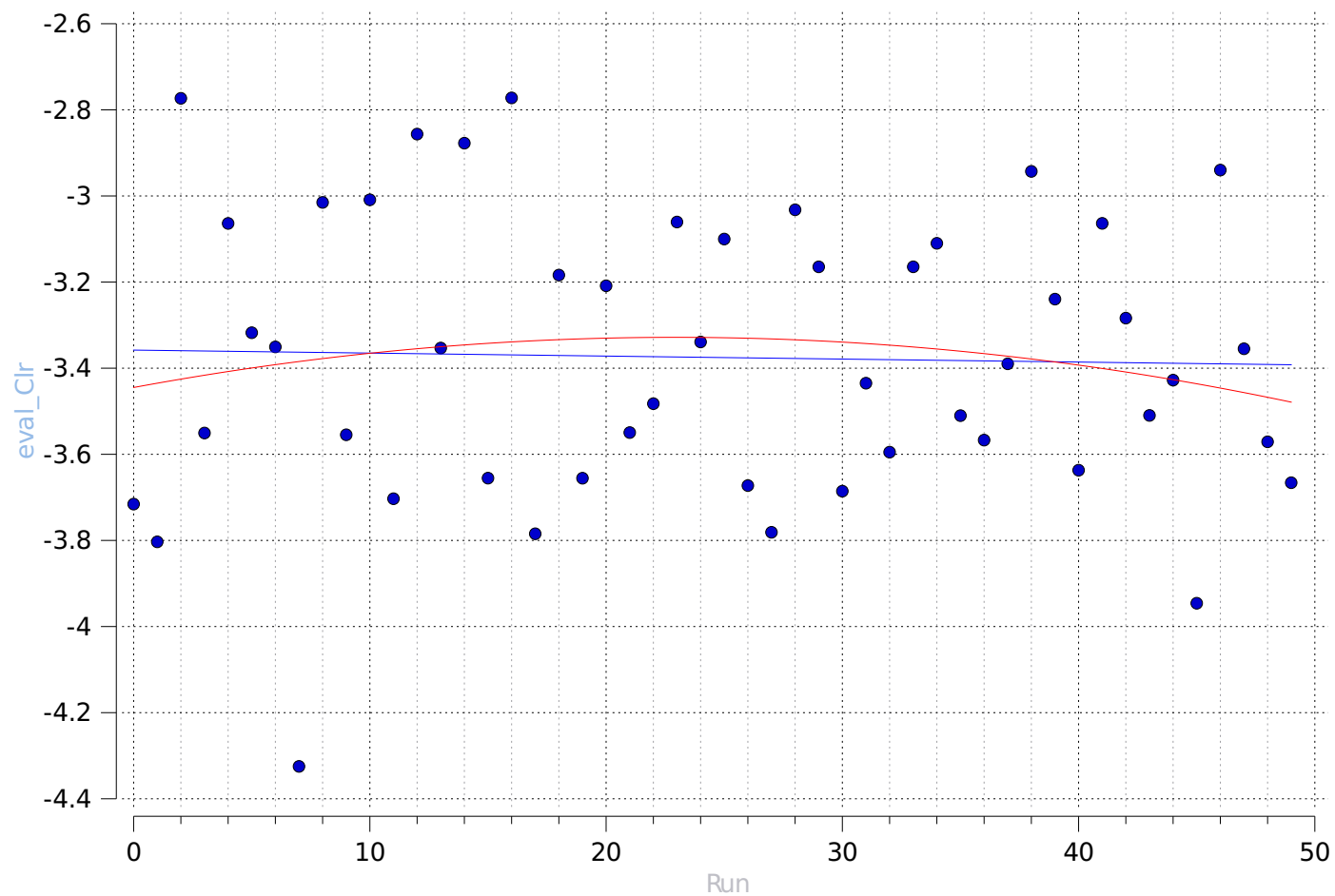
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Parameter

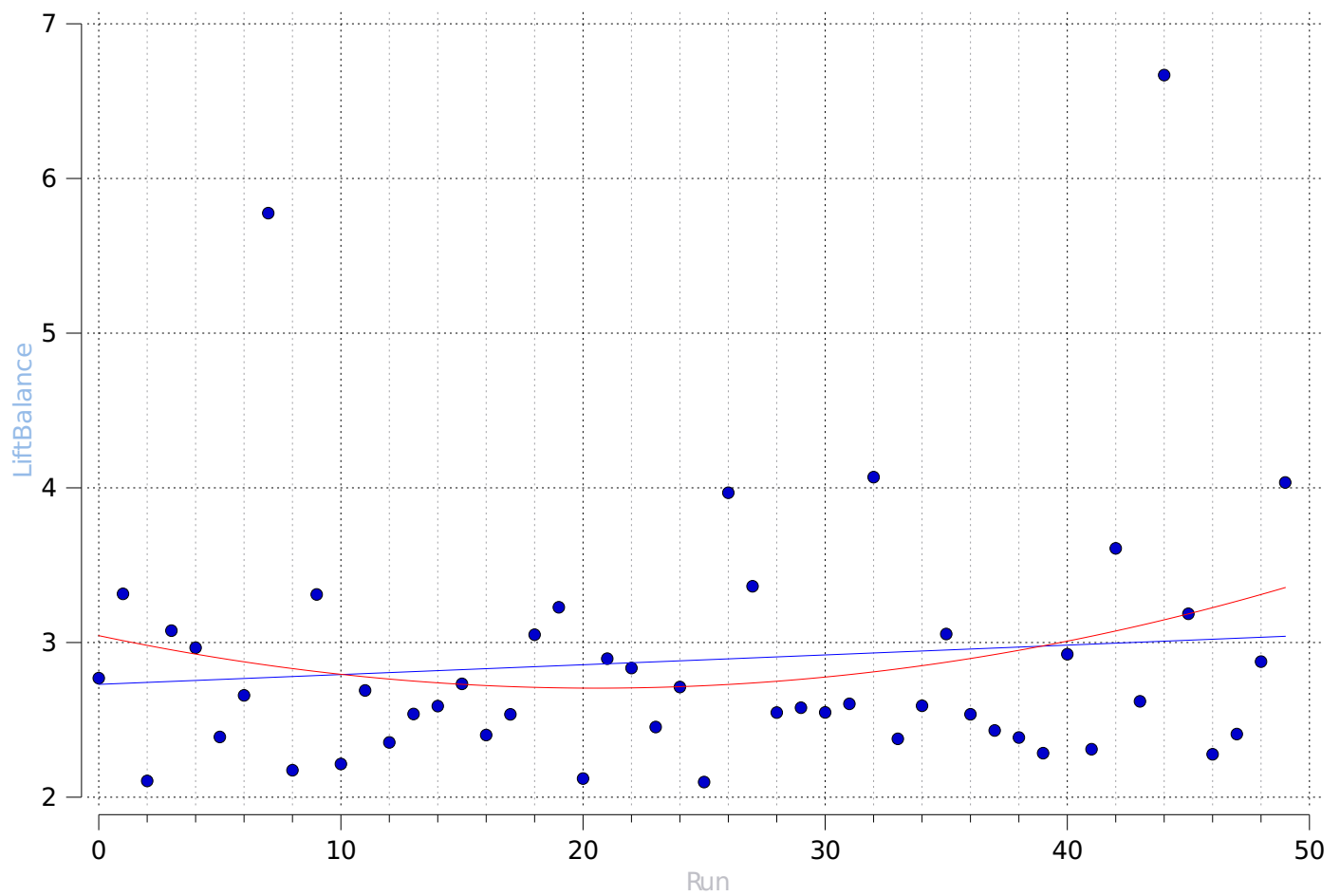
|eval_Clf
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Parameter

|eval_Clr
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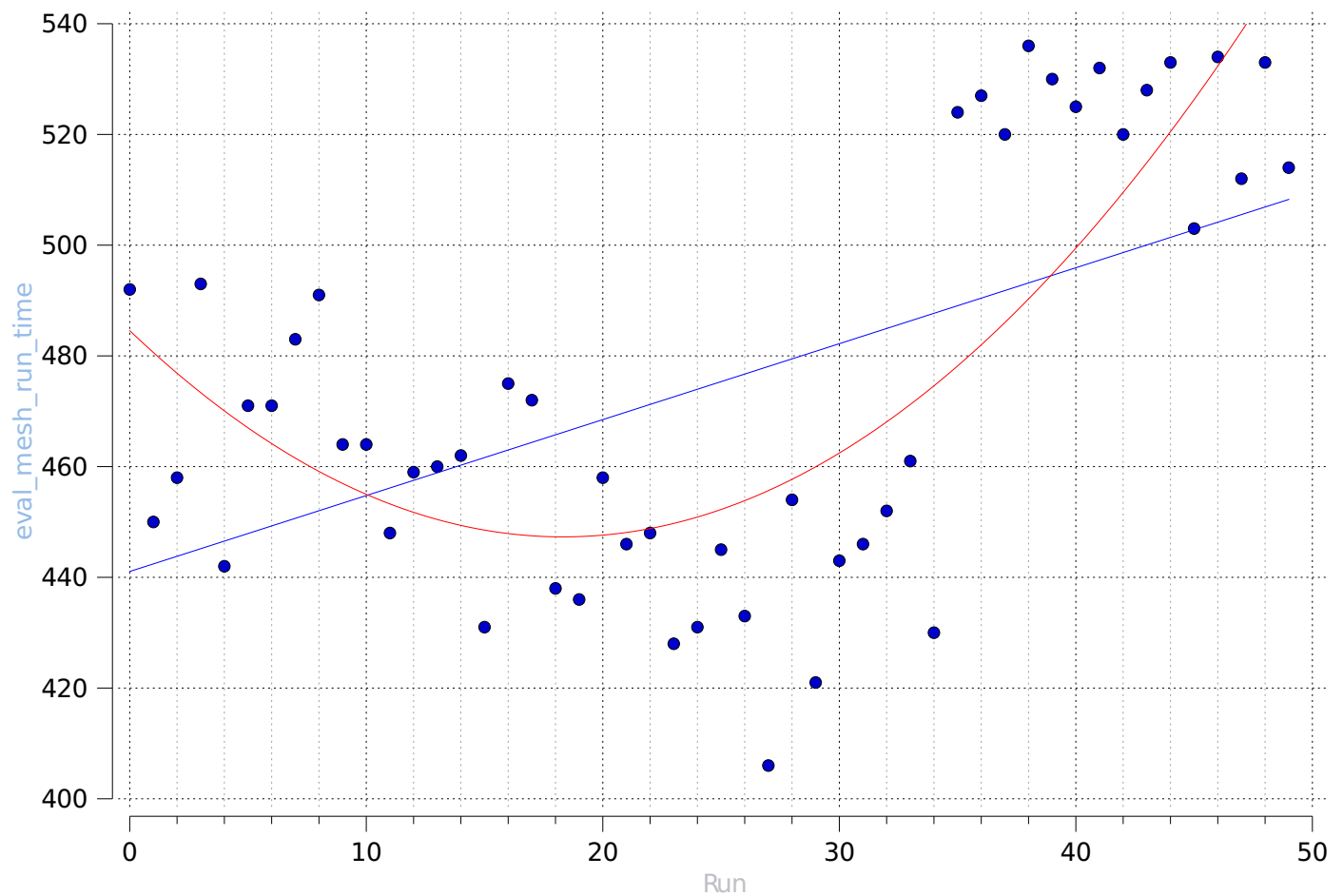
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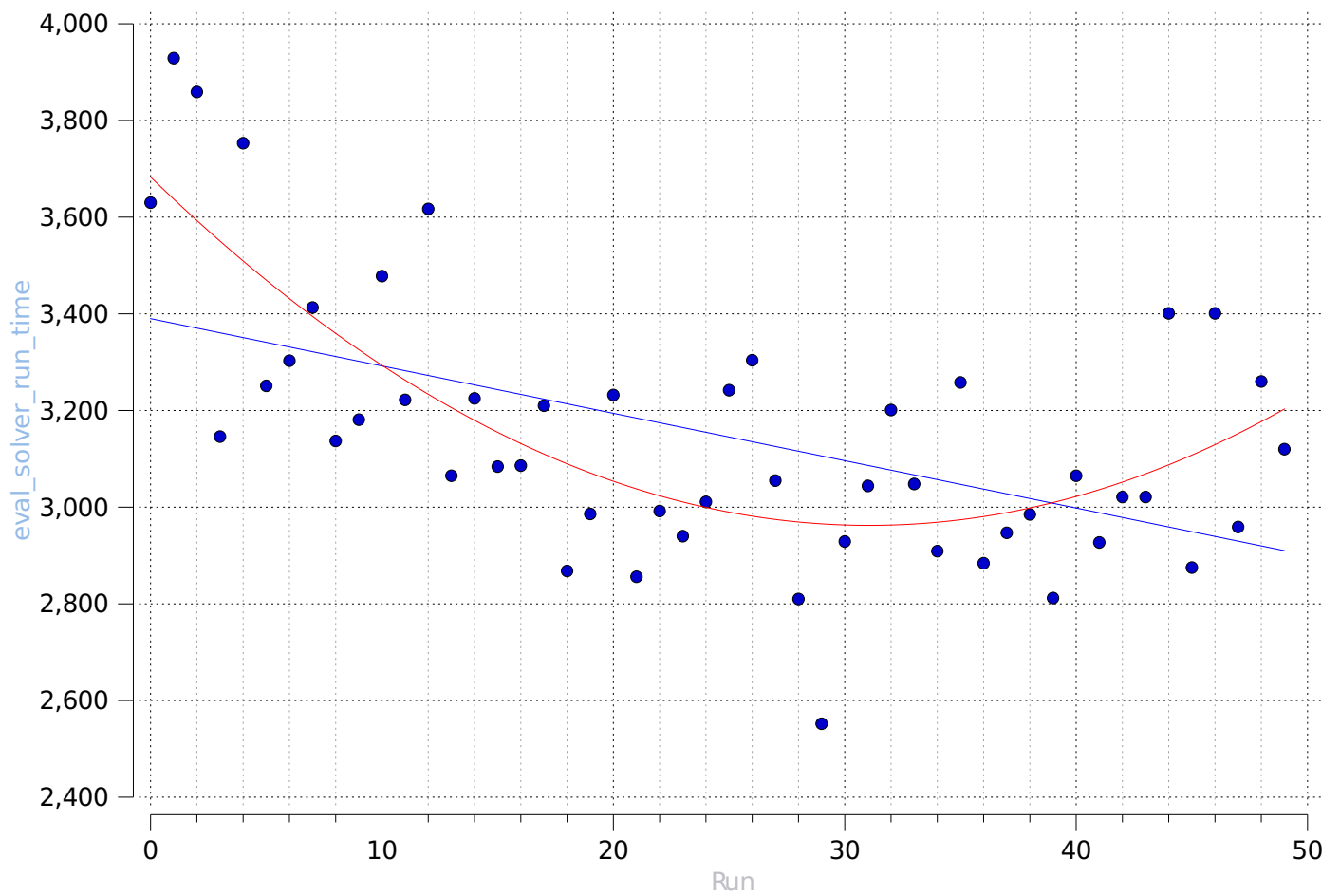
|LiftBalance
Run



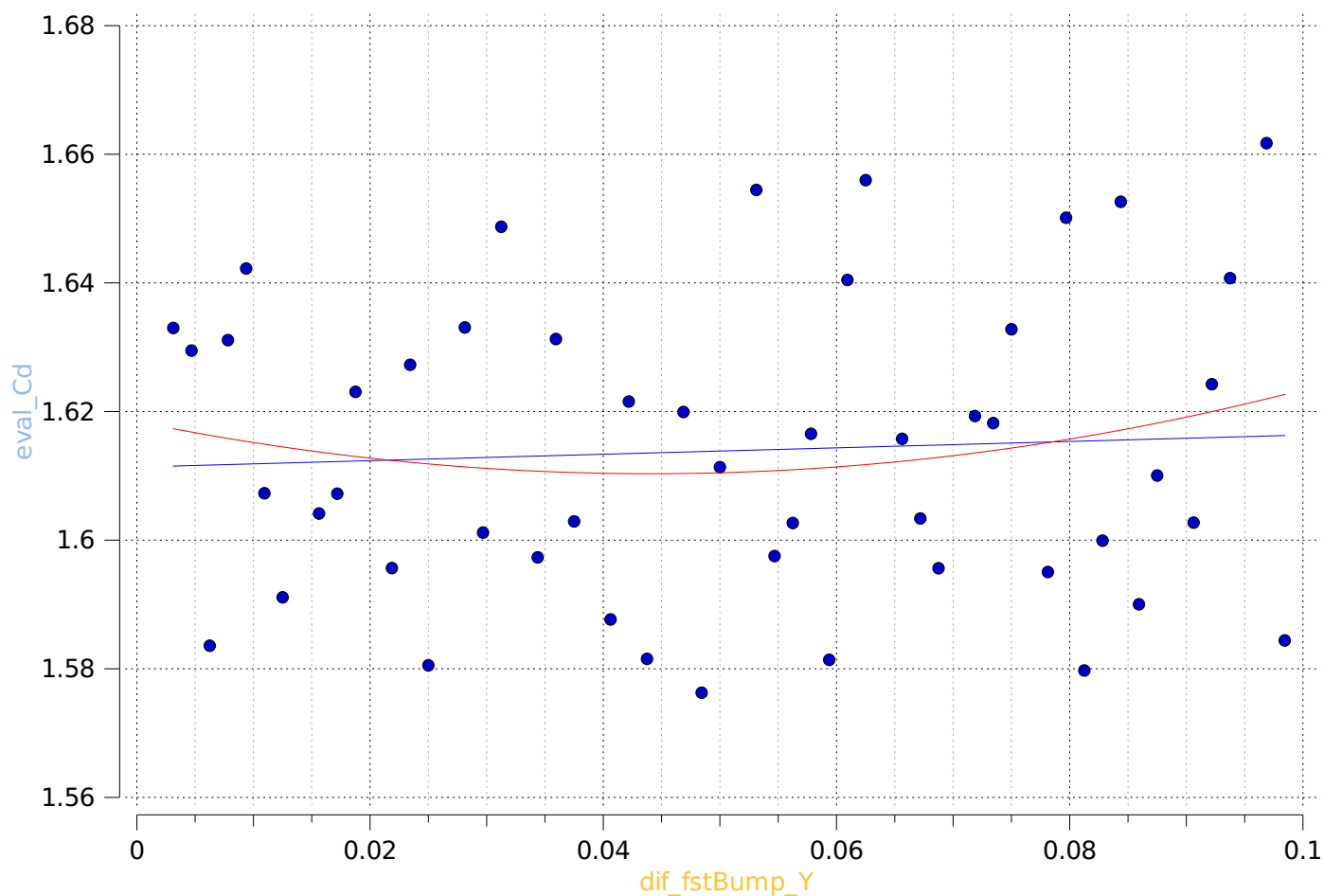
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Run

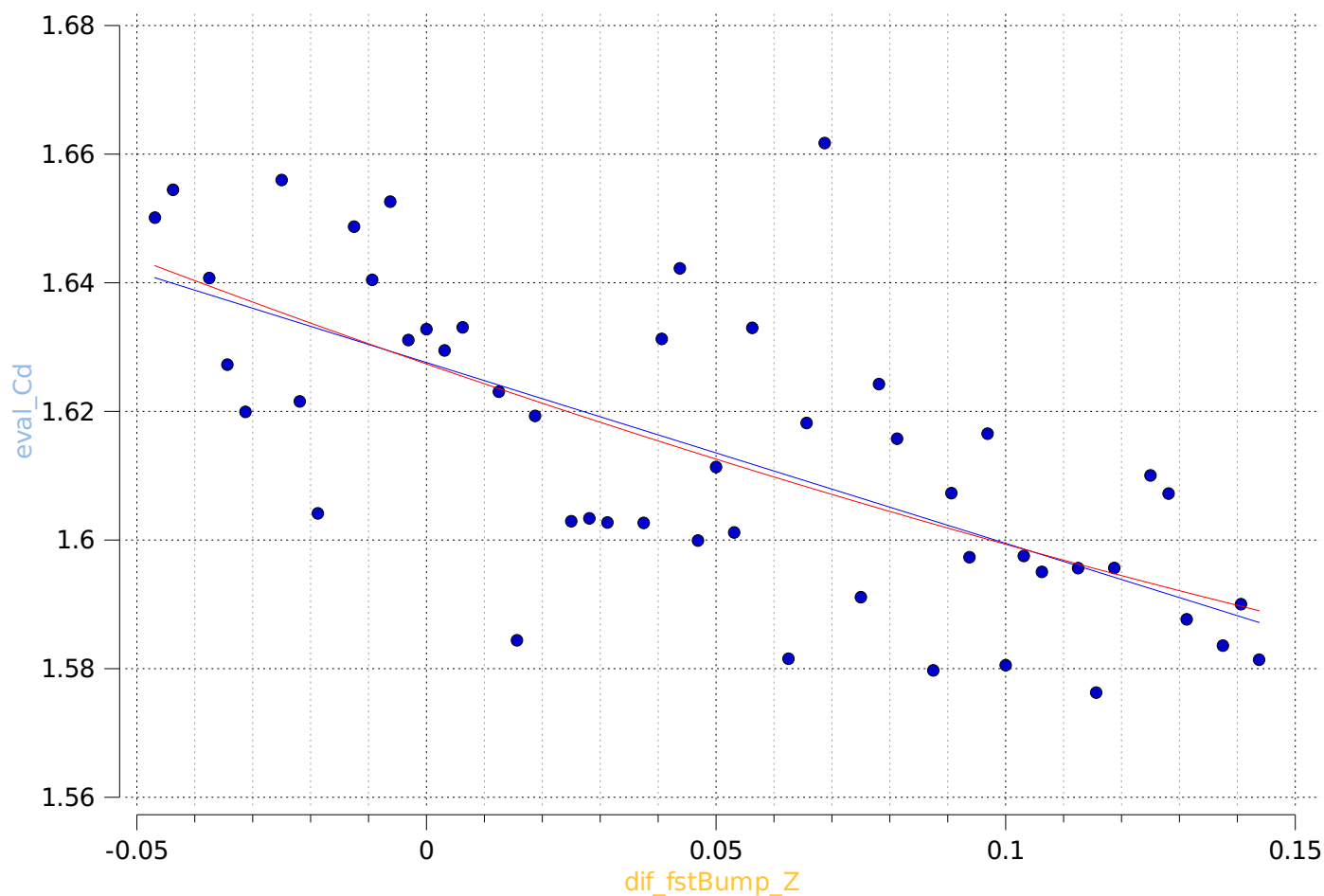




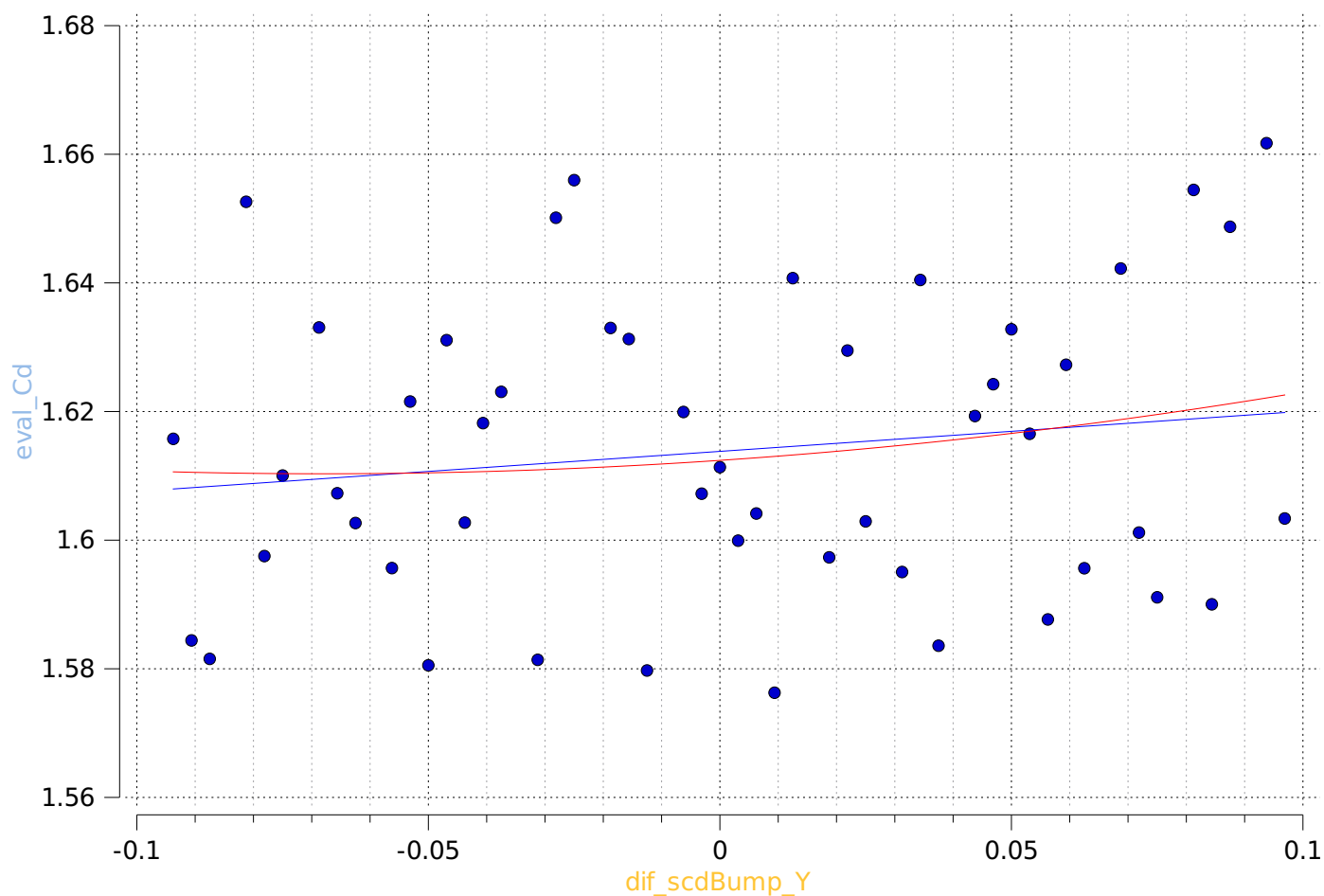
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Design Variable |DVs|dif_fstBump_Y



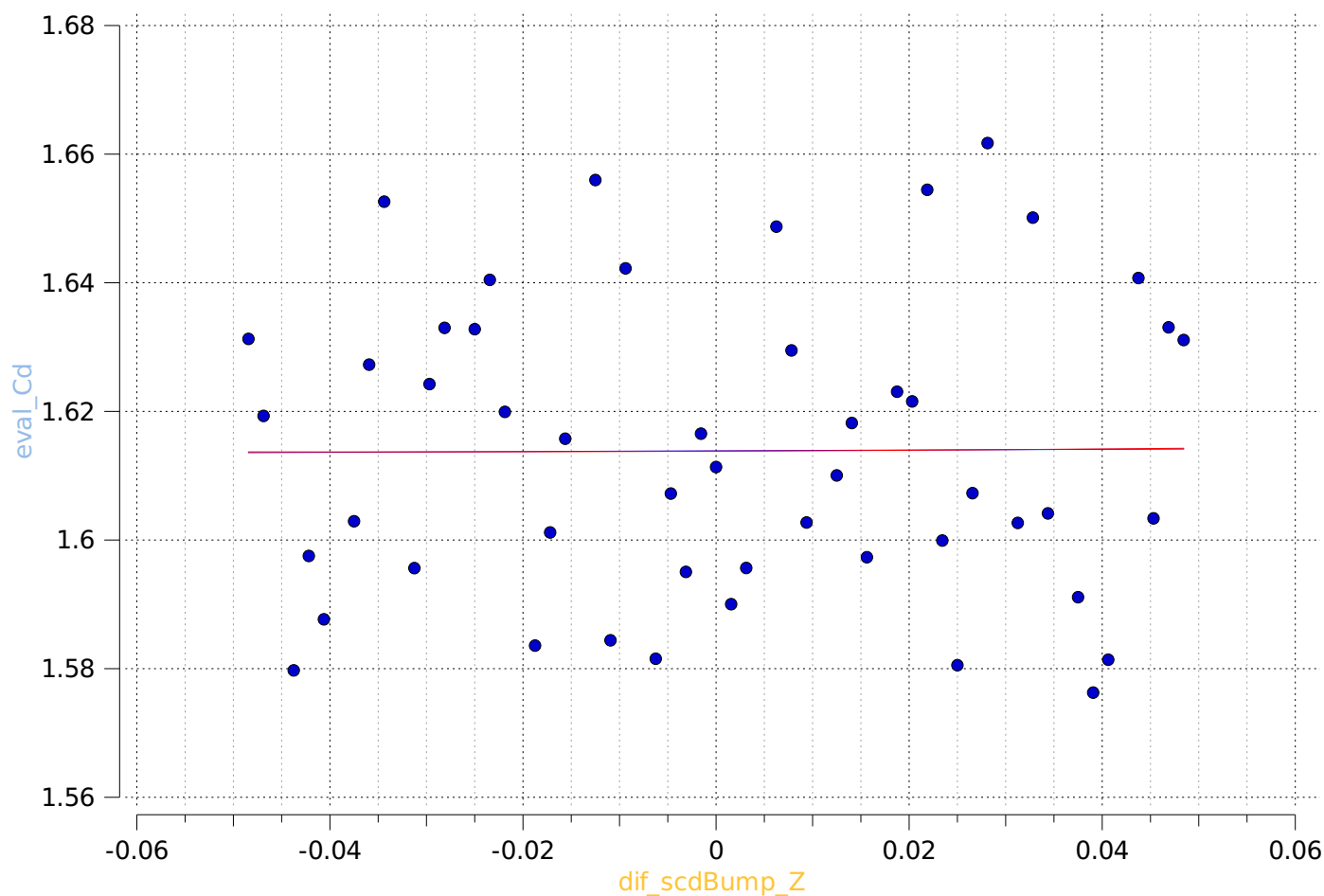
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Design Variable |DVs|dif_fstBump_Z



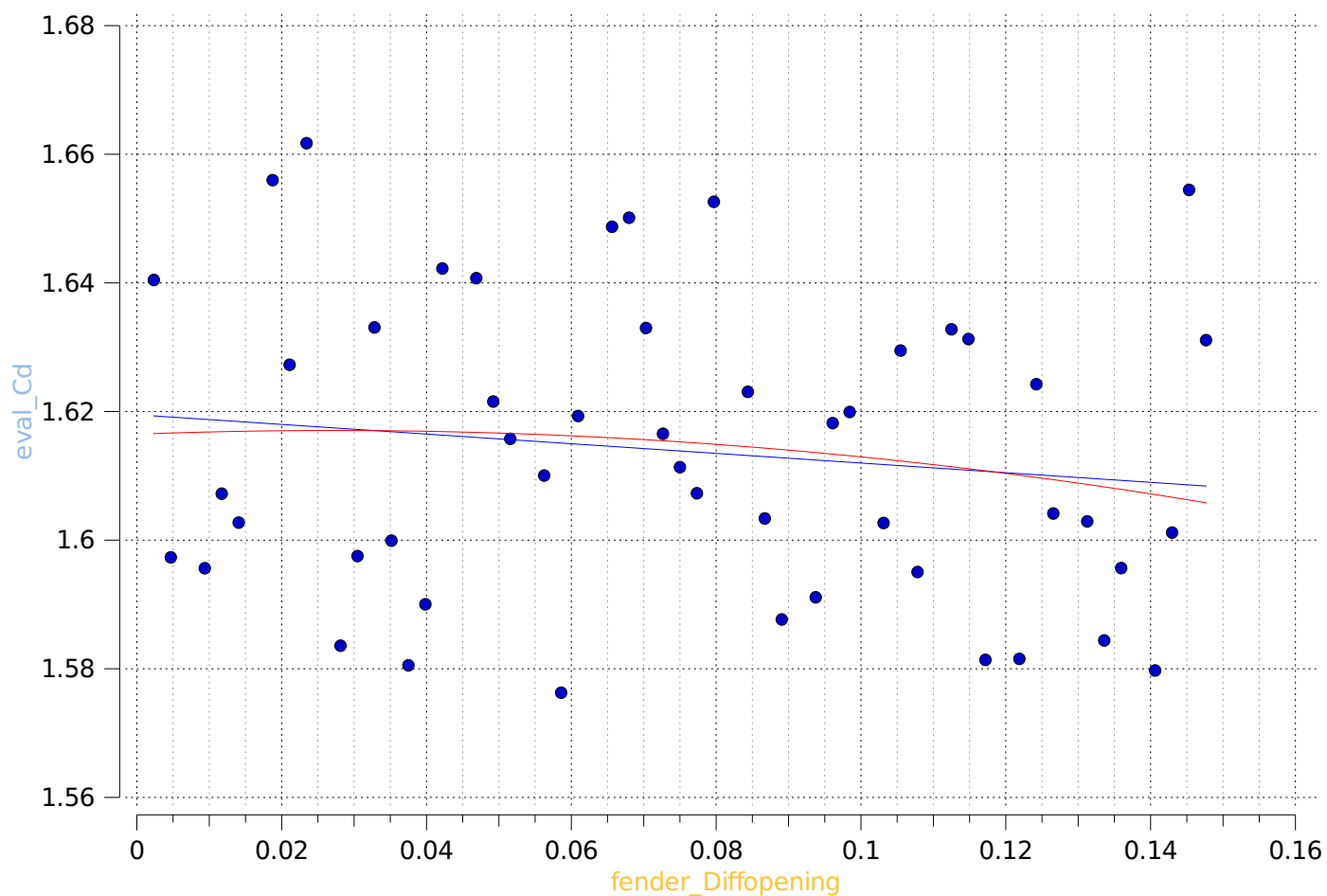
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Design Variable |DVs|dif_scdBump_Y



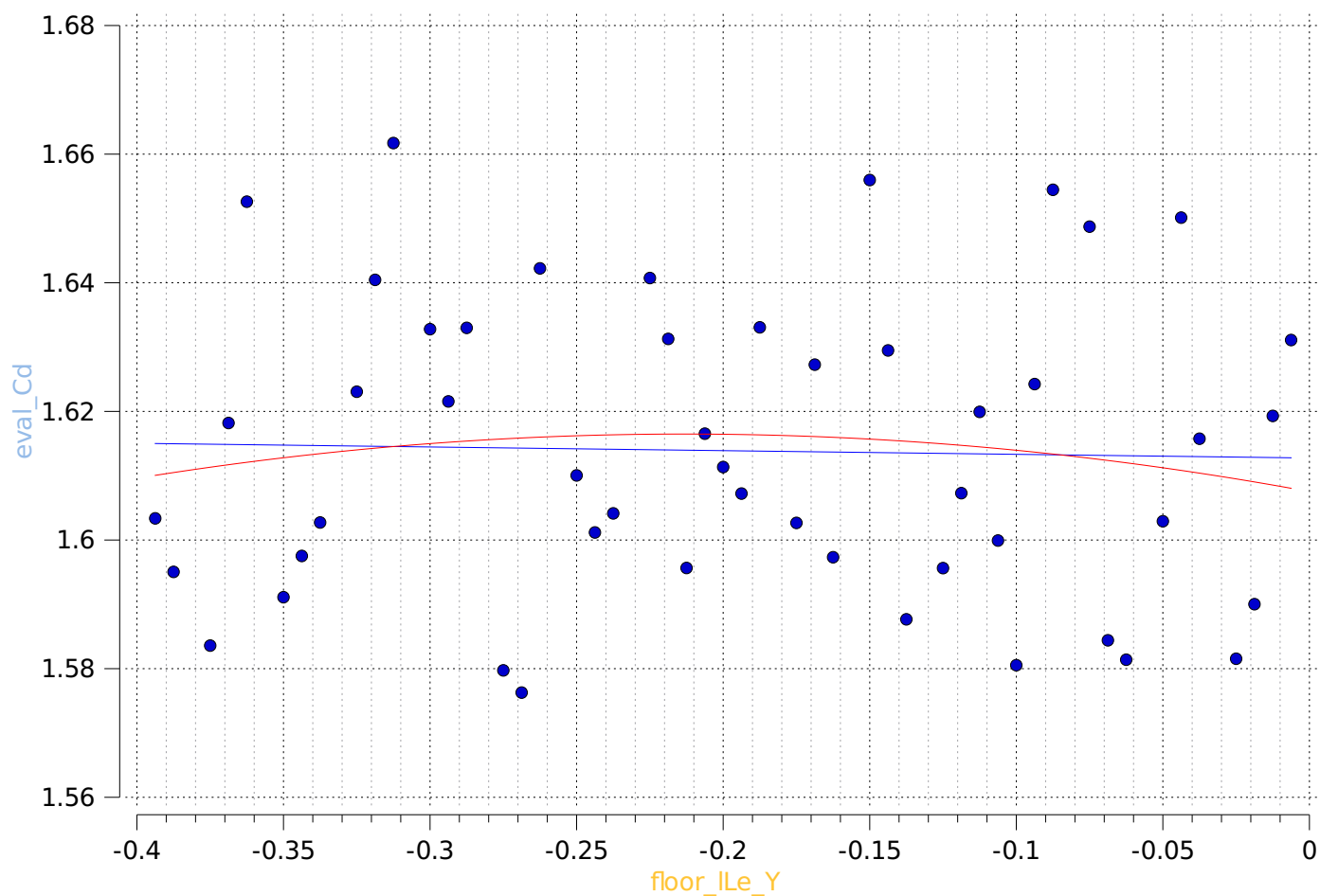
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Design Variable |DVs|dif_scdBump_Z



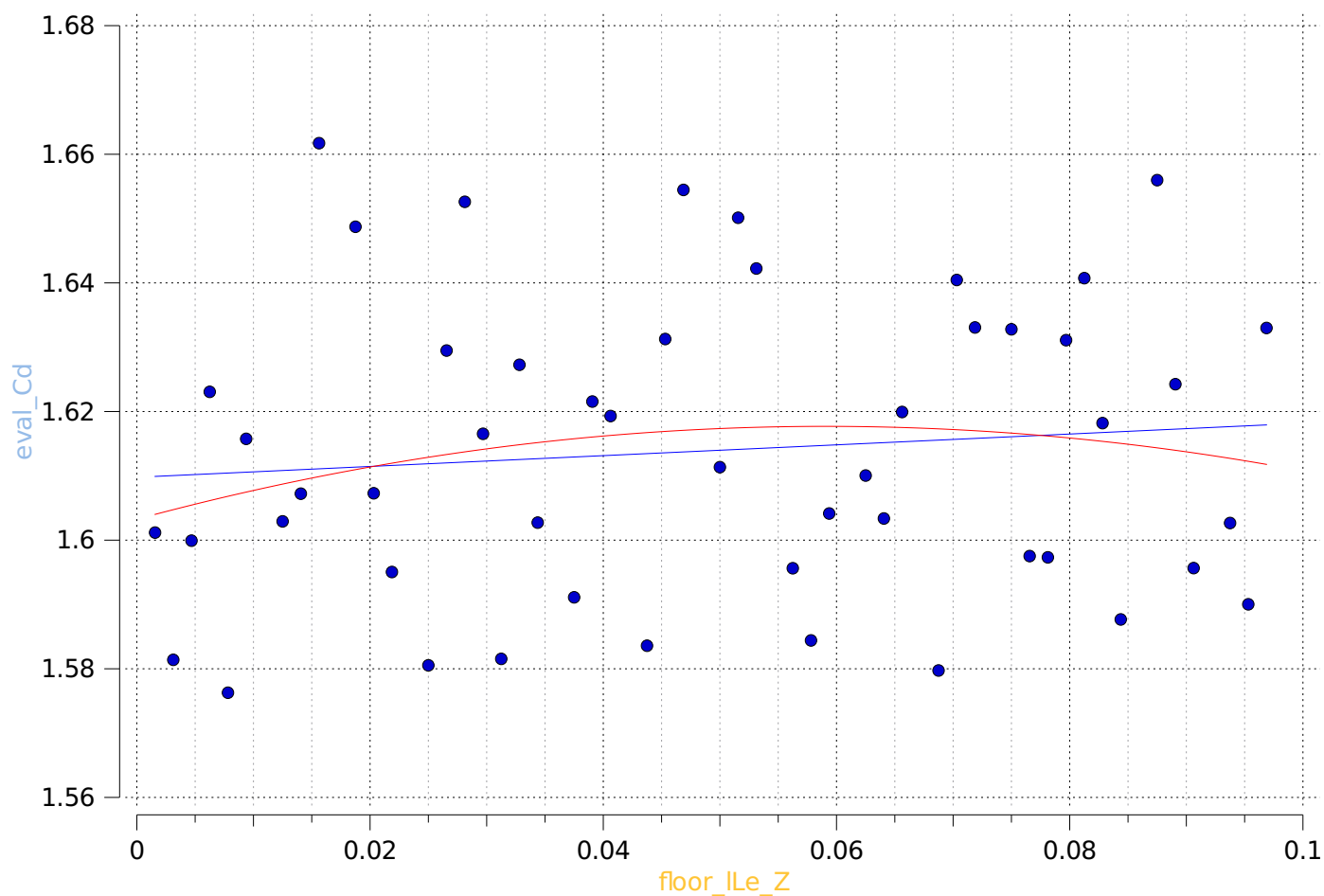
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Design Variable |DVs|fender_Diffopening



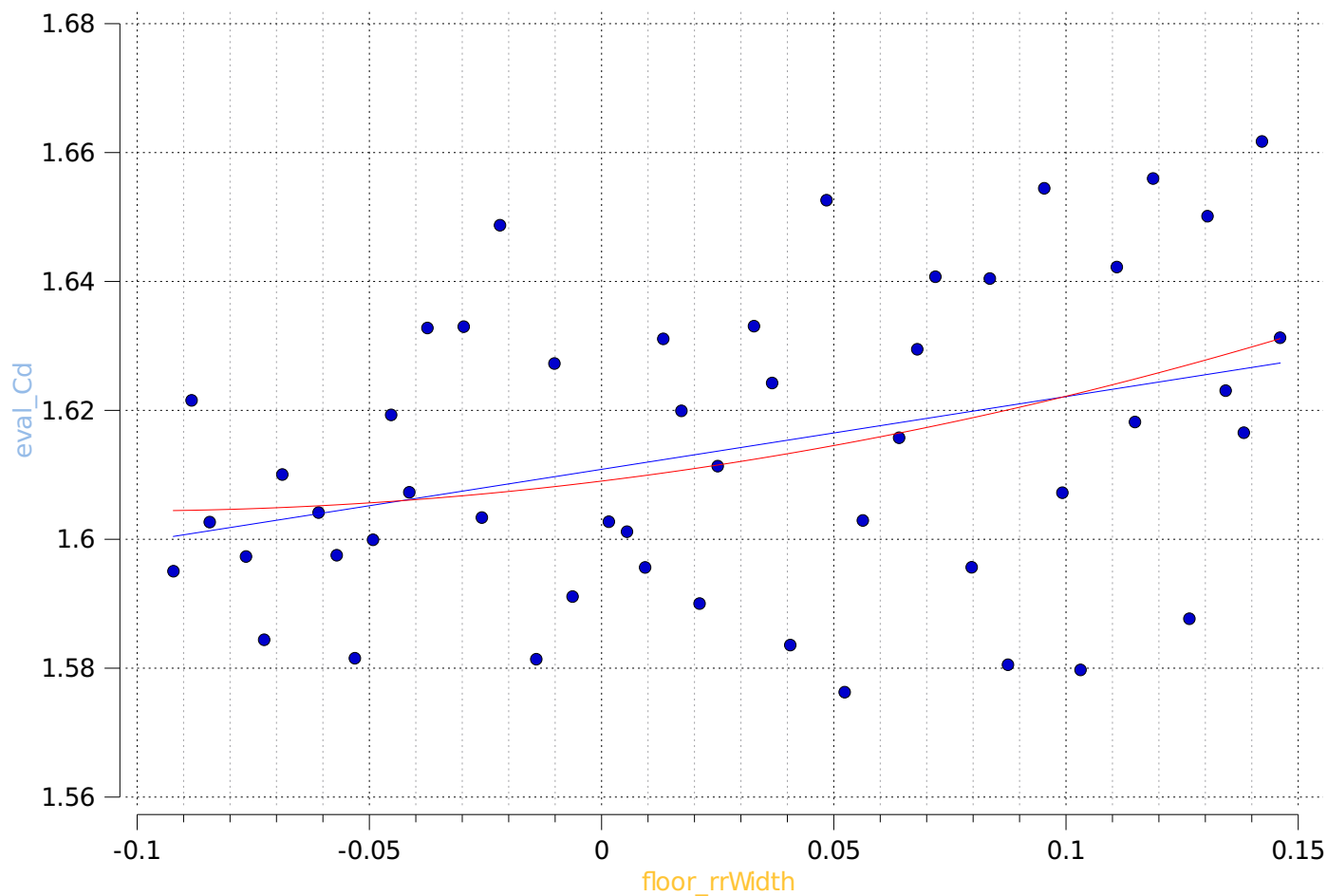
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Design Variable |DVs|floor_ILe_Y



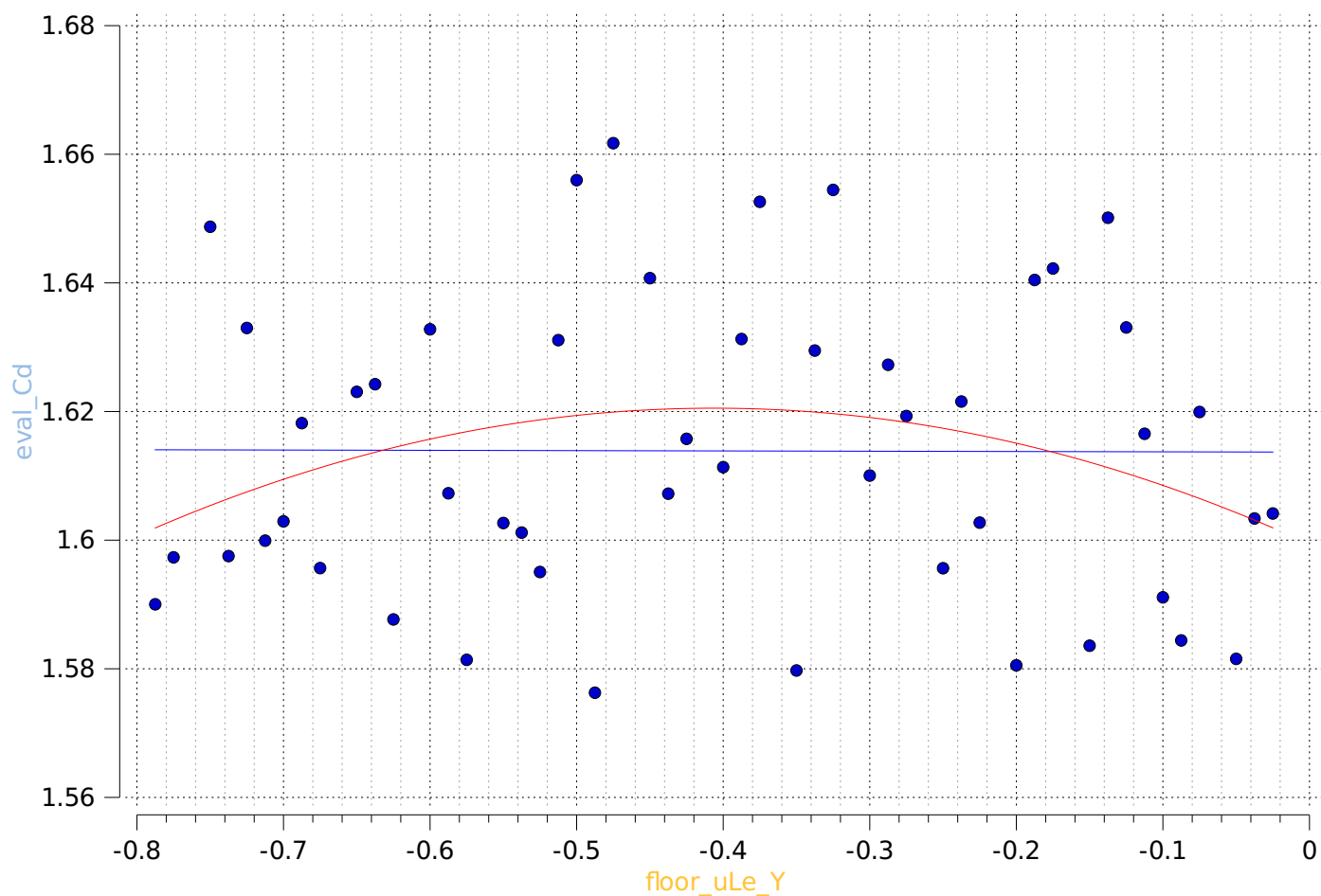
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Design Variable |DVs|floor_ILe_Z



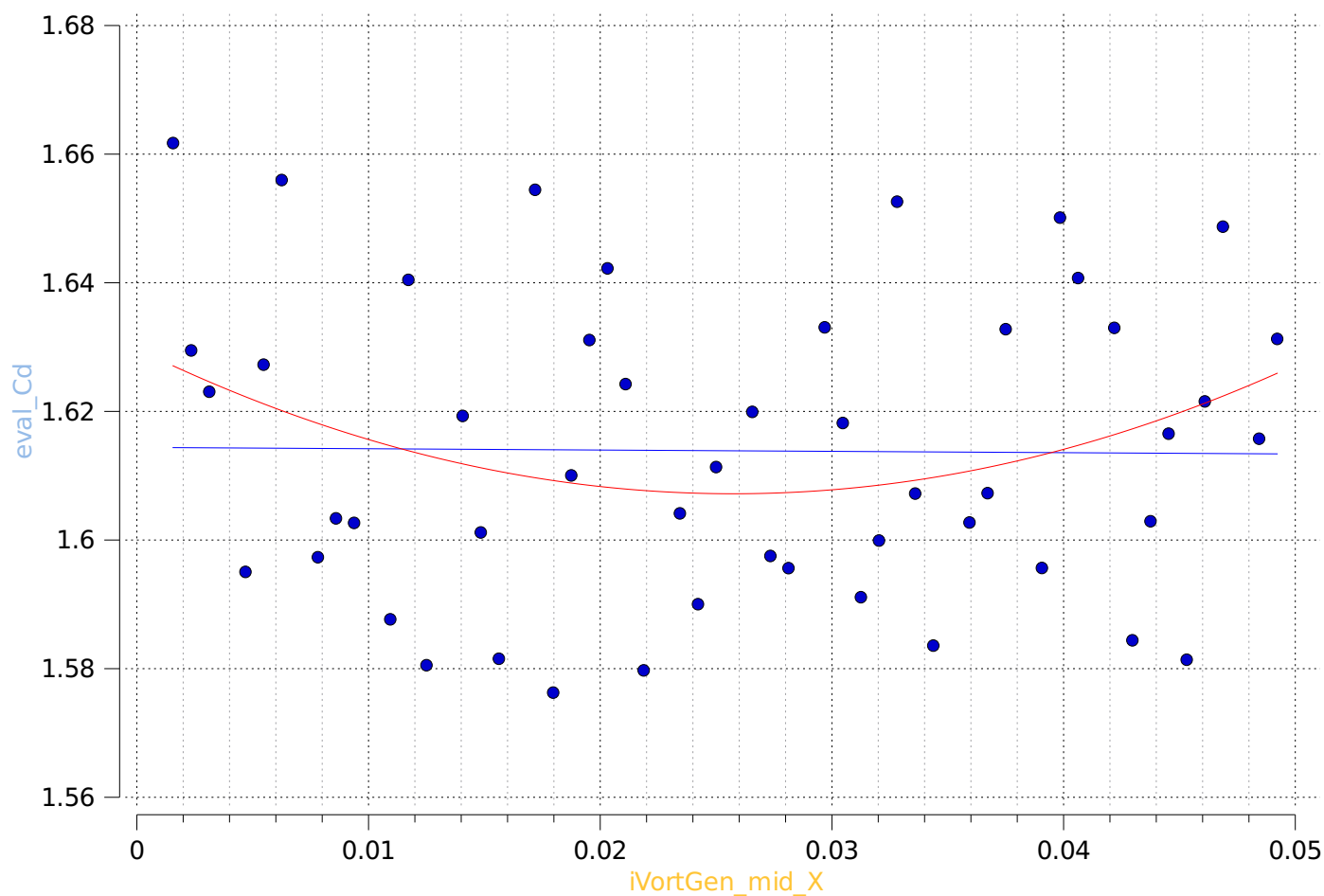
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Design Variable |DVs|floor_rrWidth



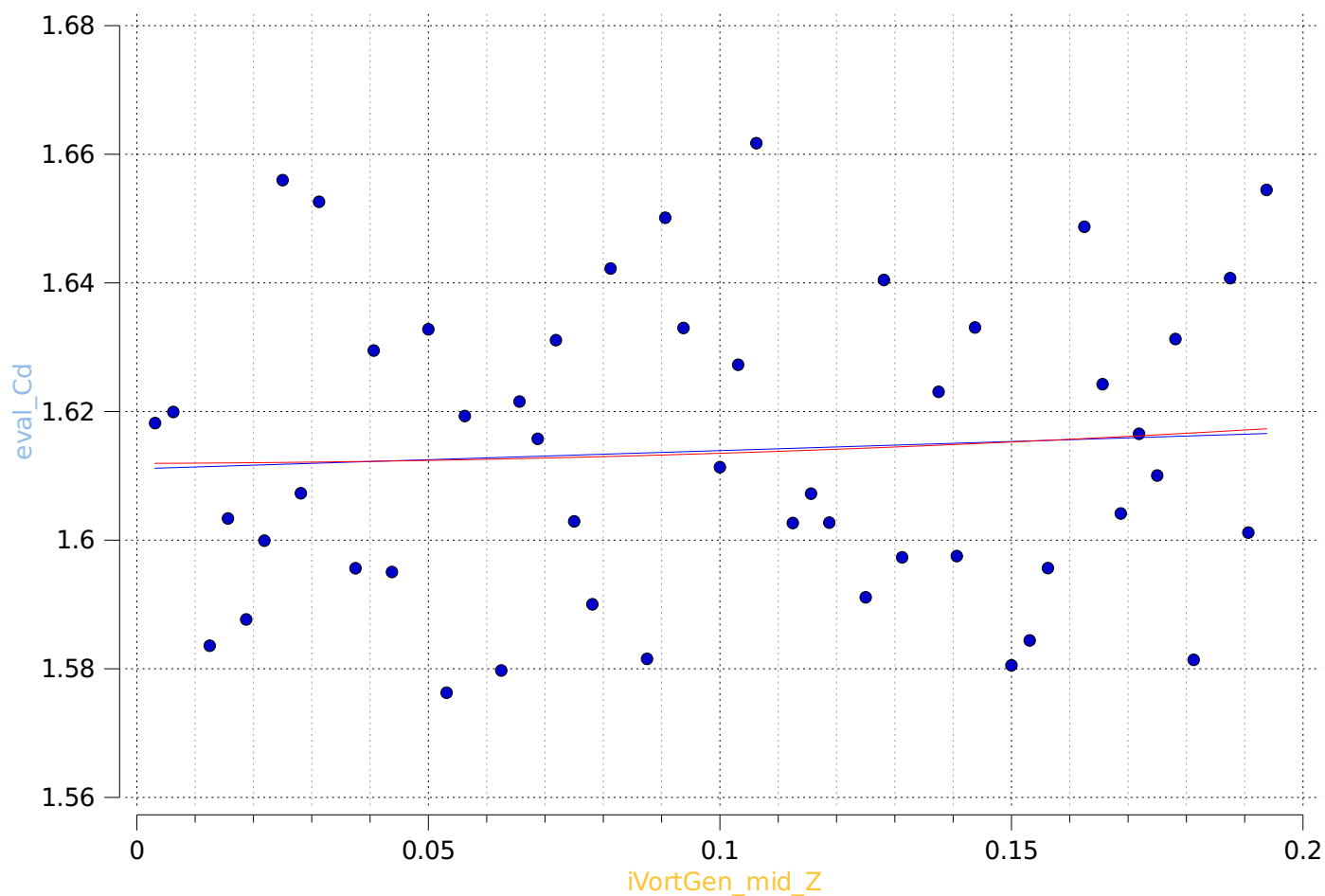
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Design Variable |DVs|floor_uLe_Y



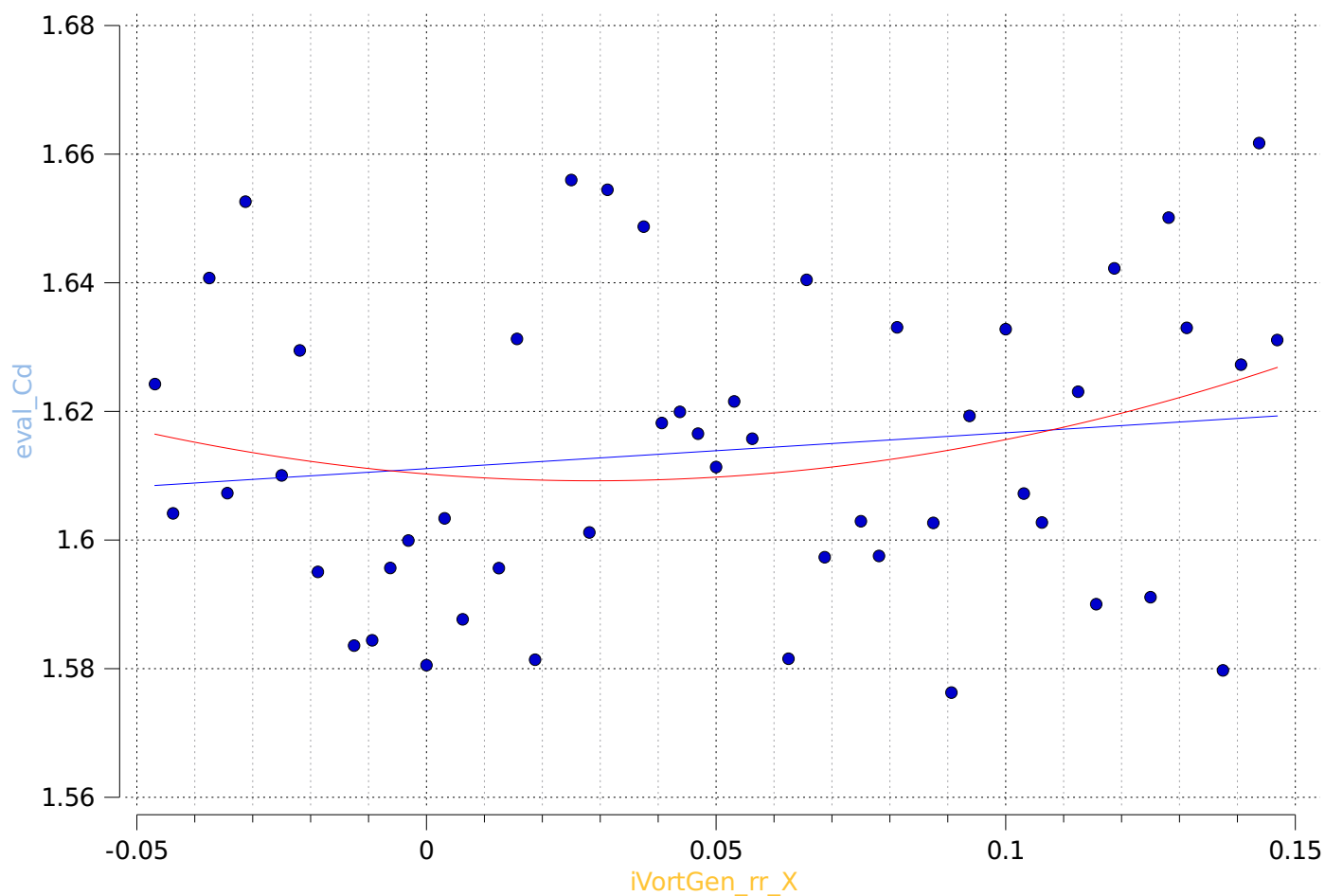
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Design Variable |DVs|iVortGen_mid_X



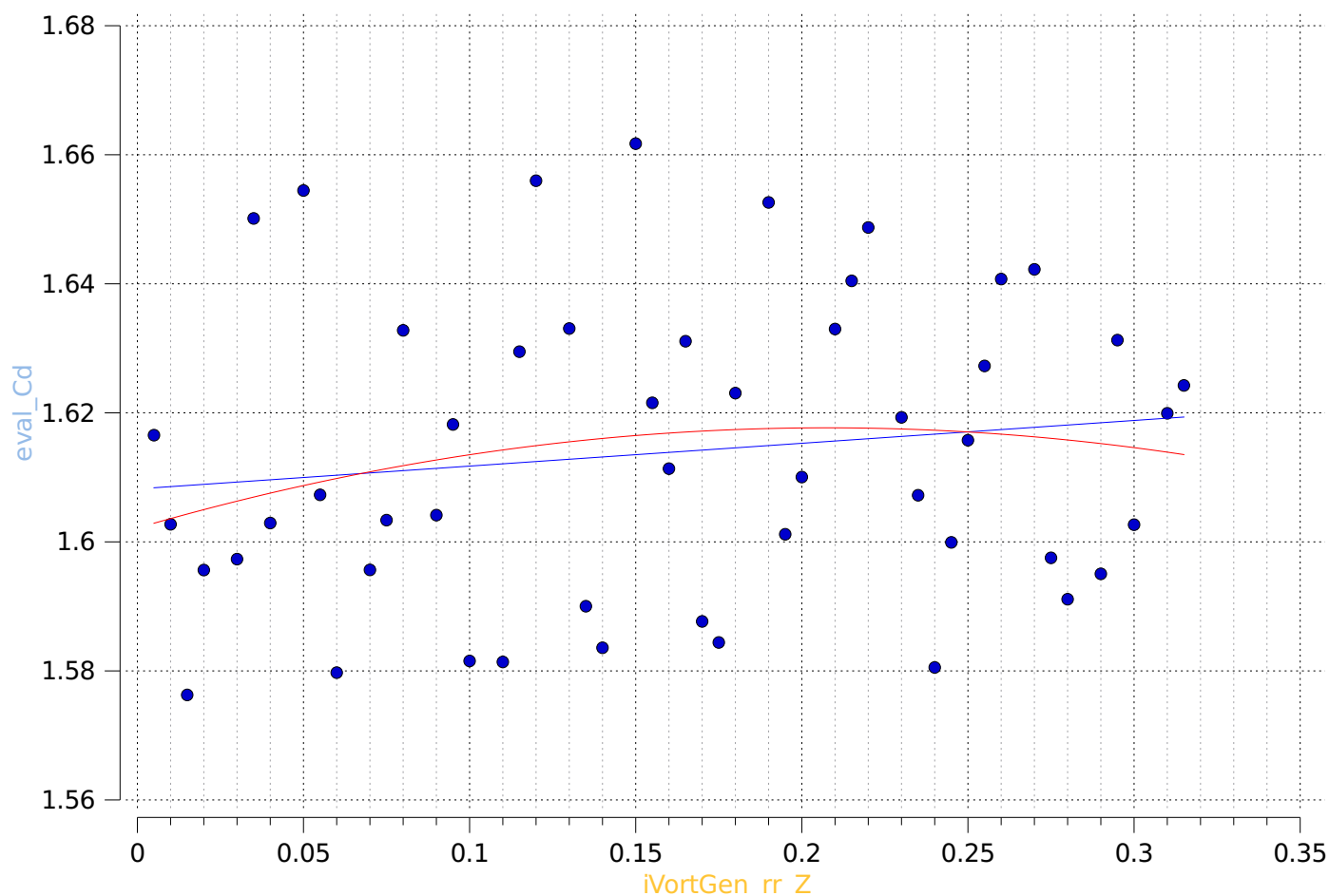
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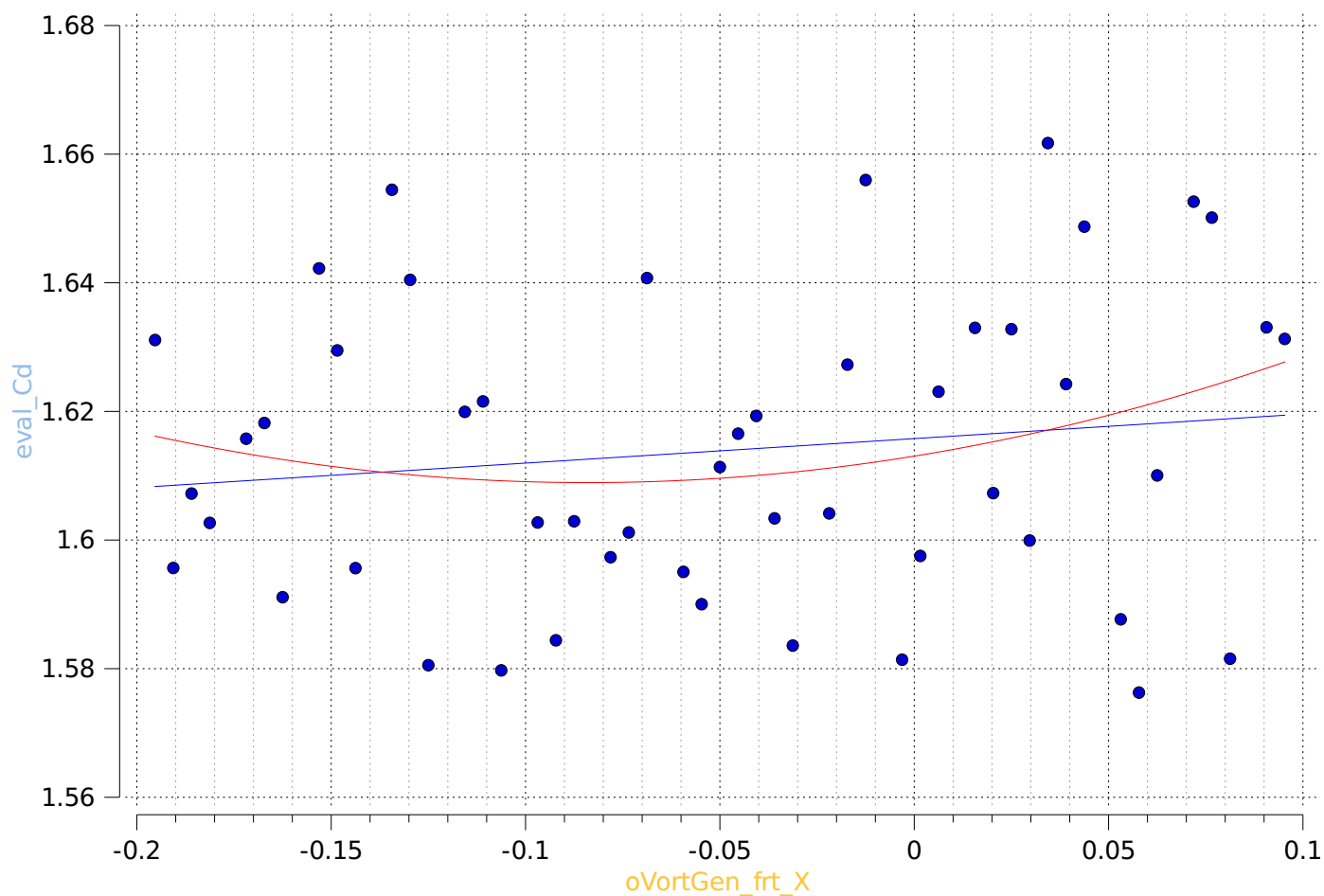
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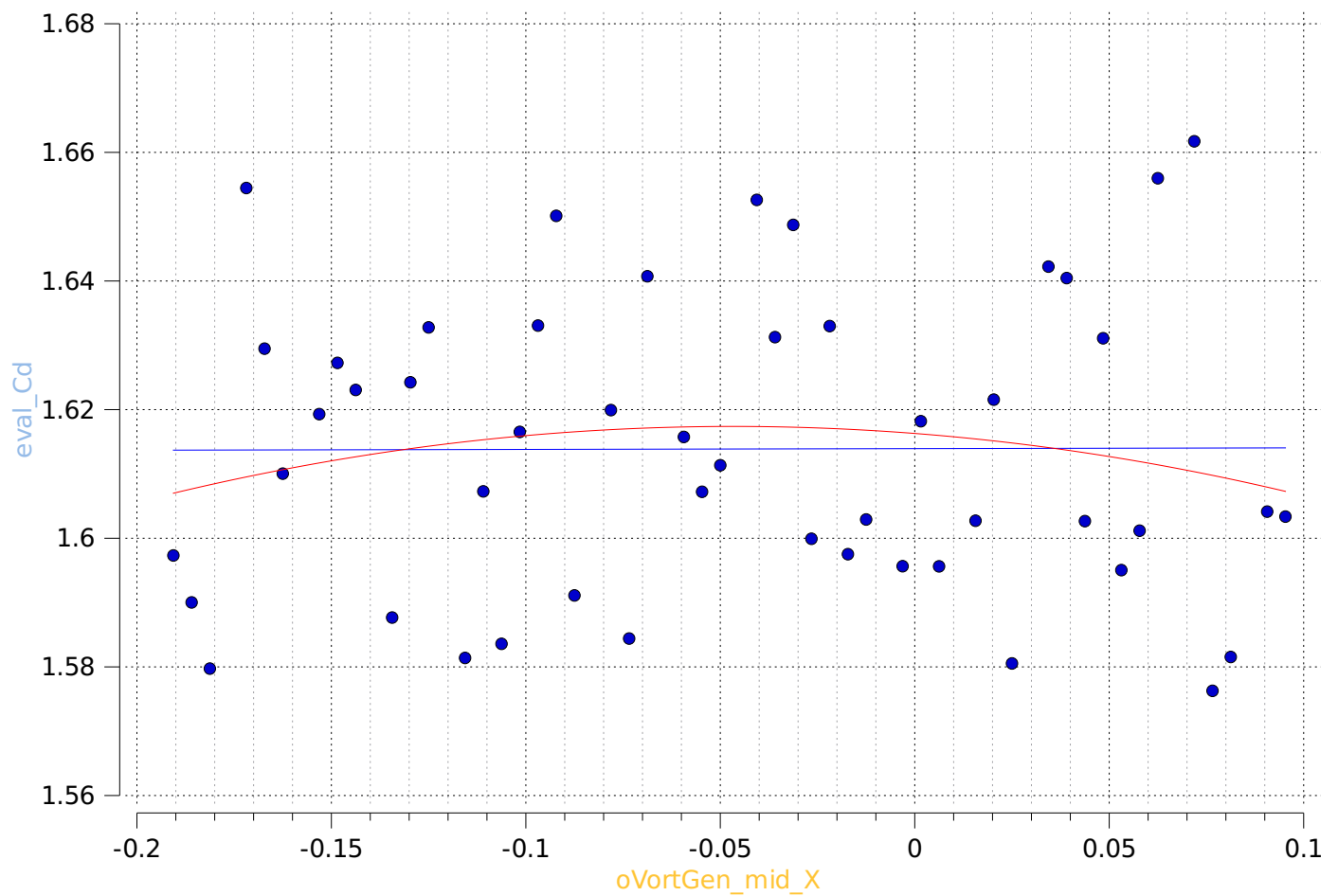
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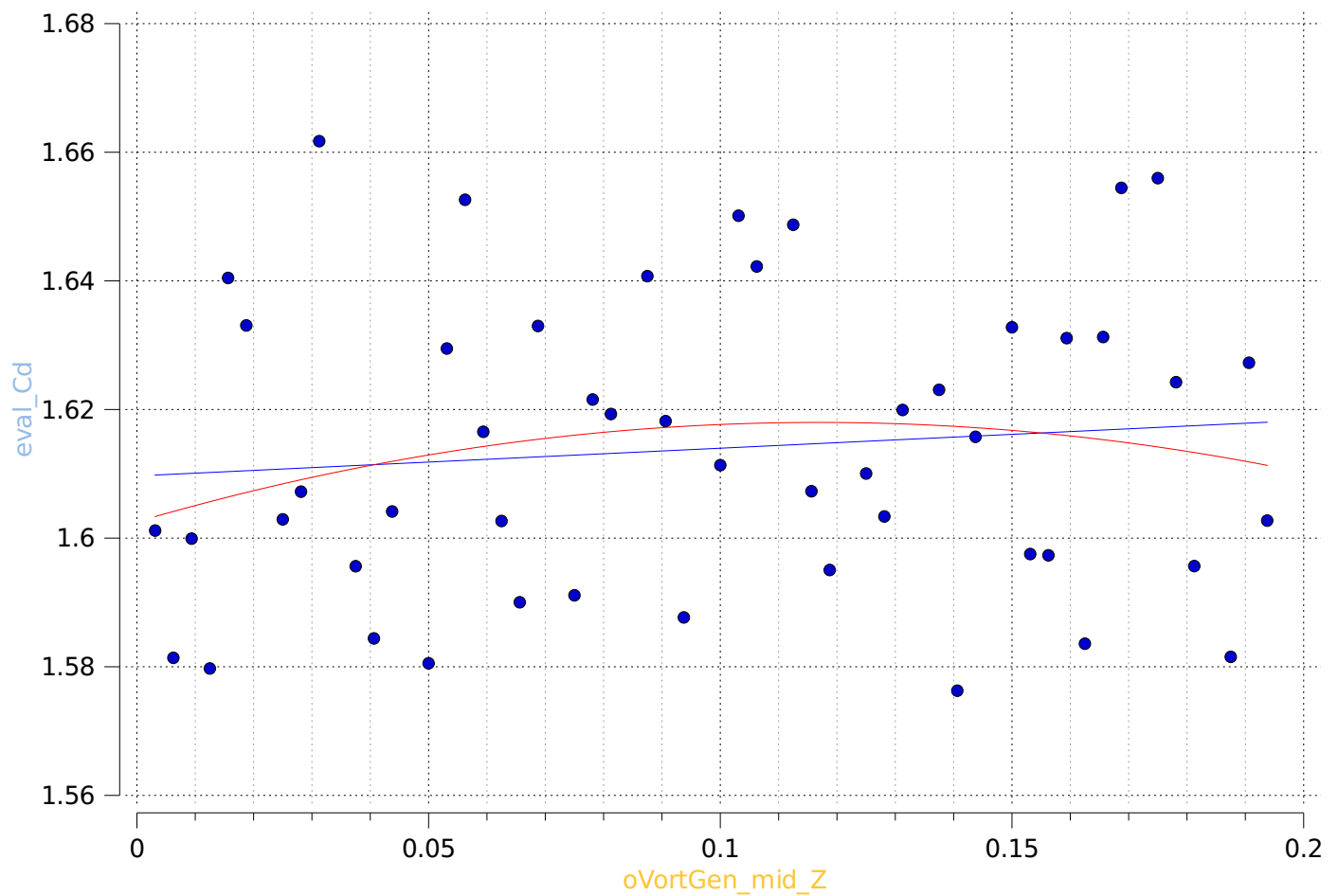
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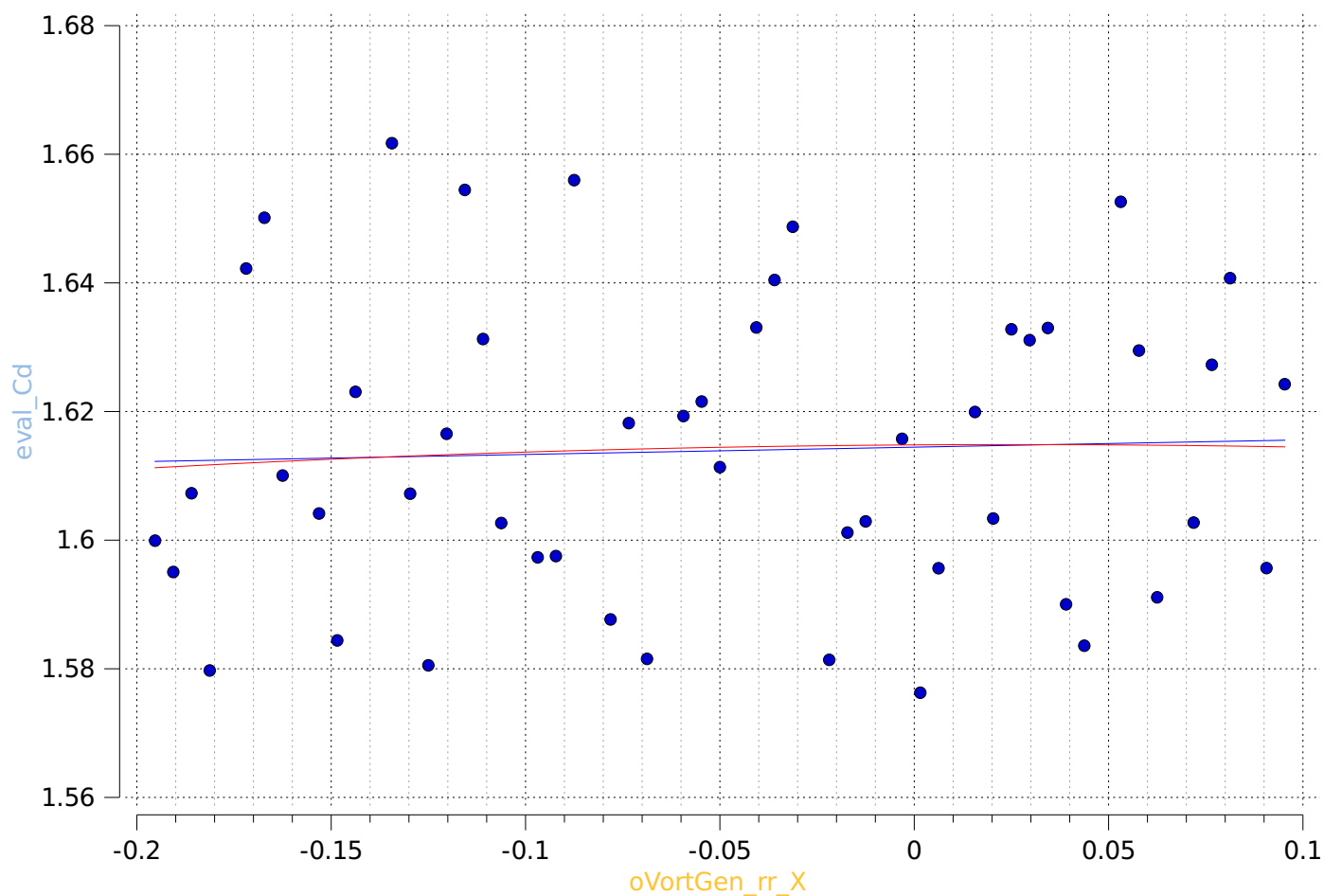
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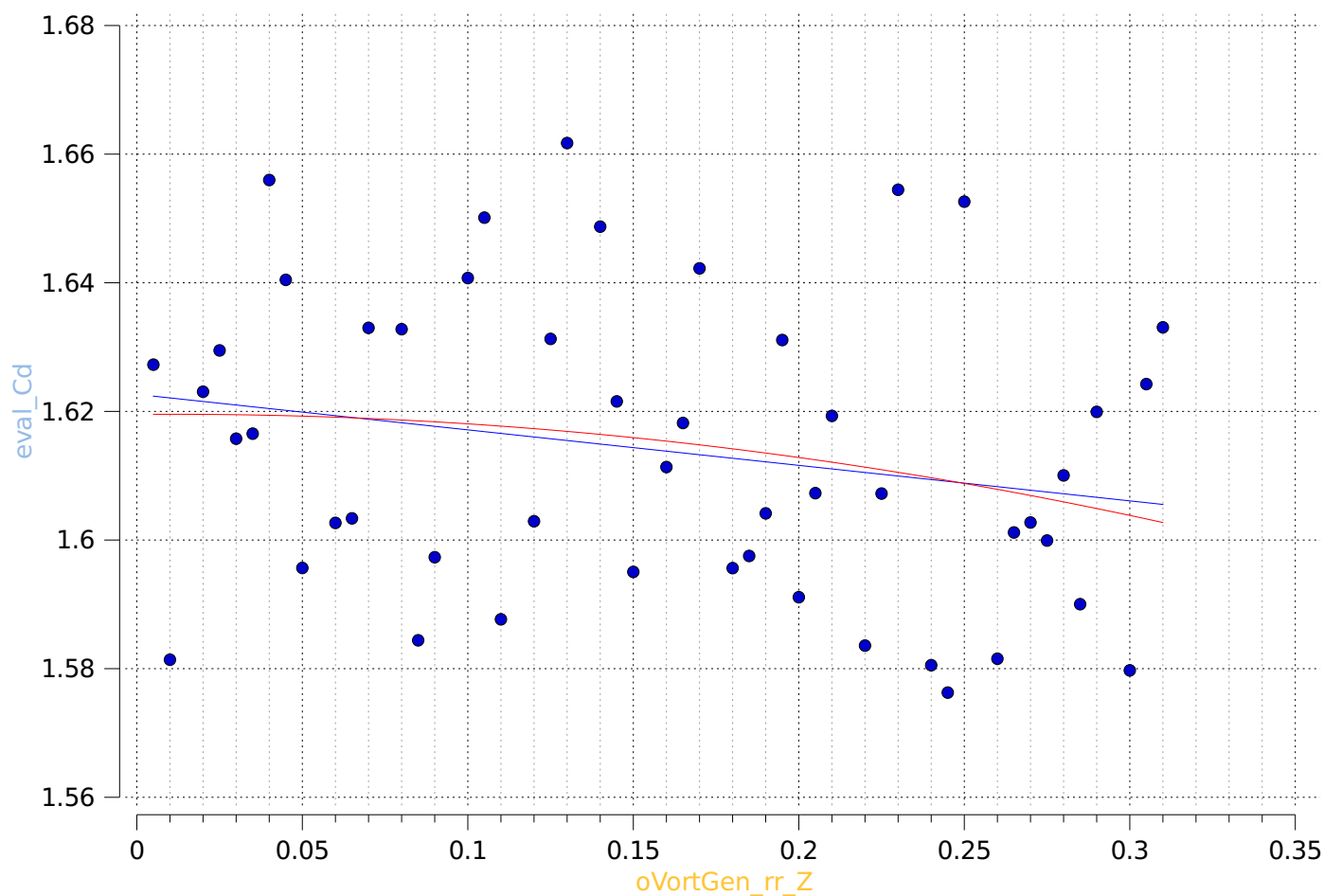
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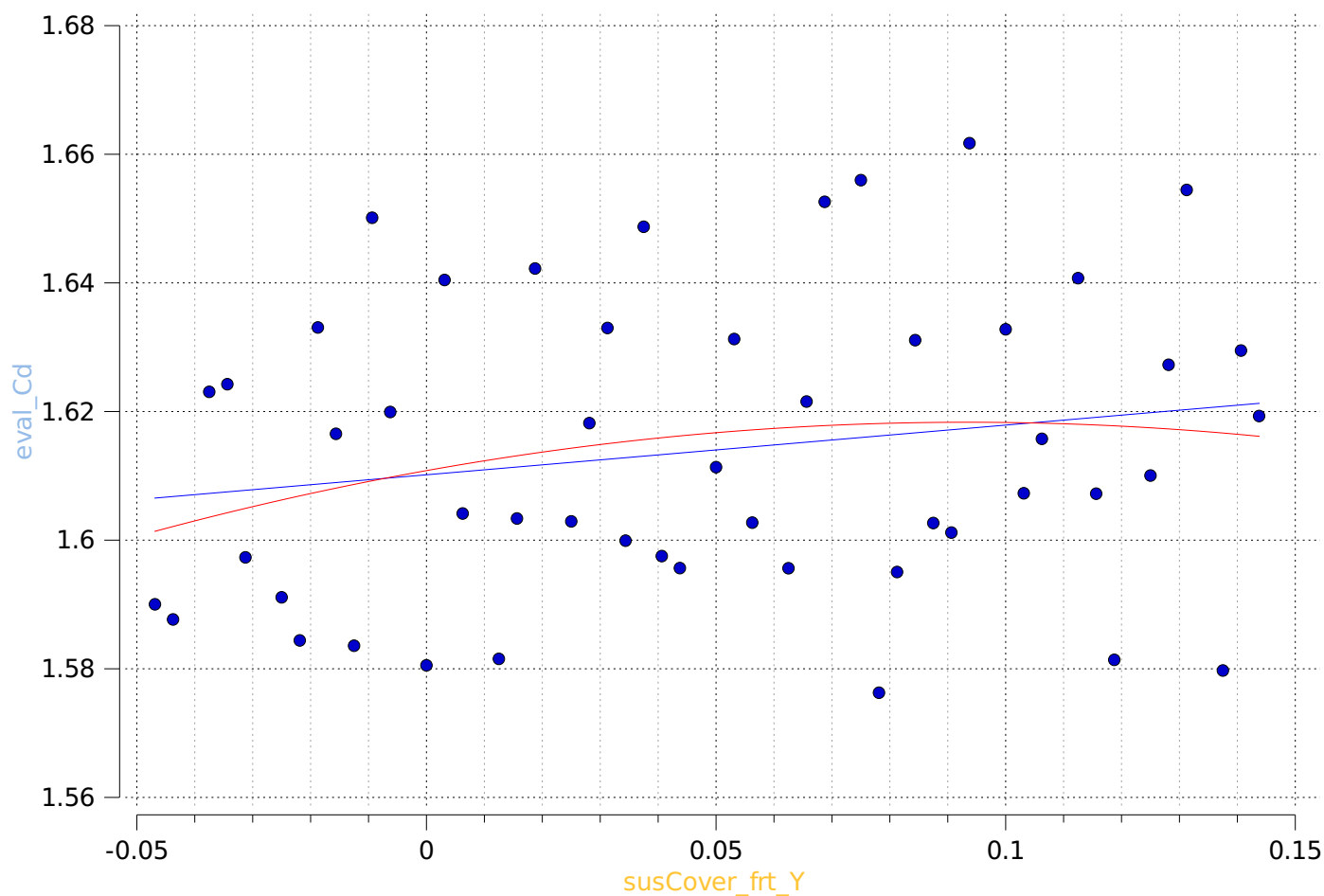
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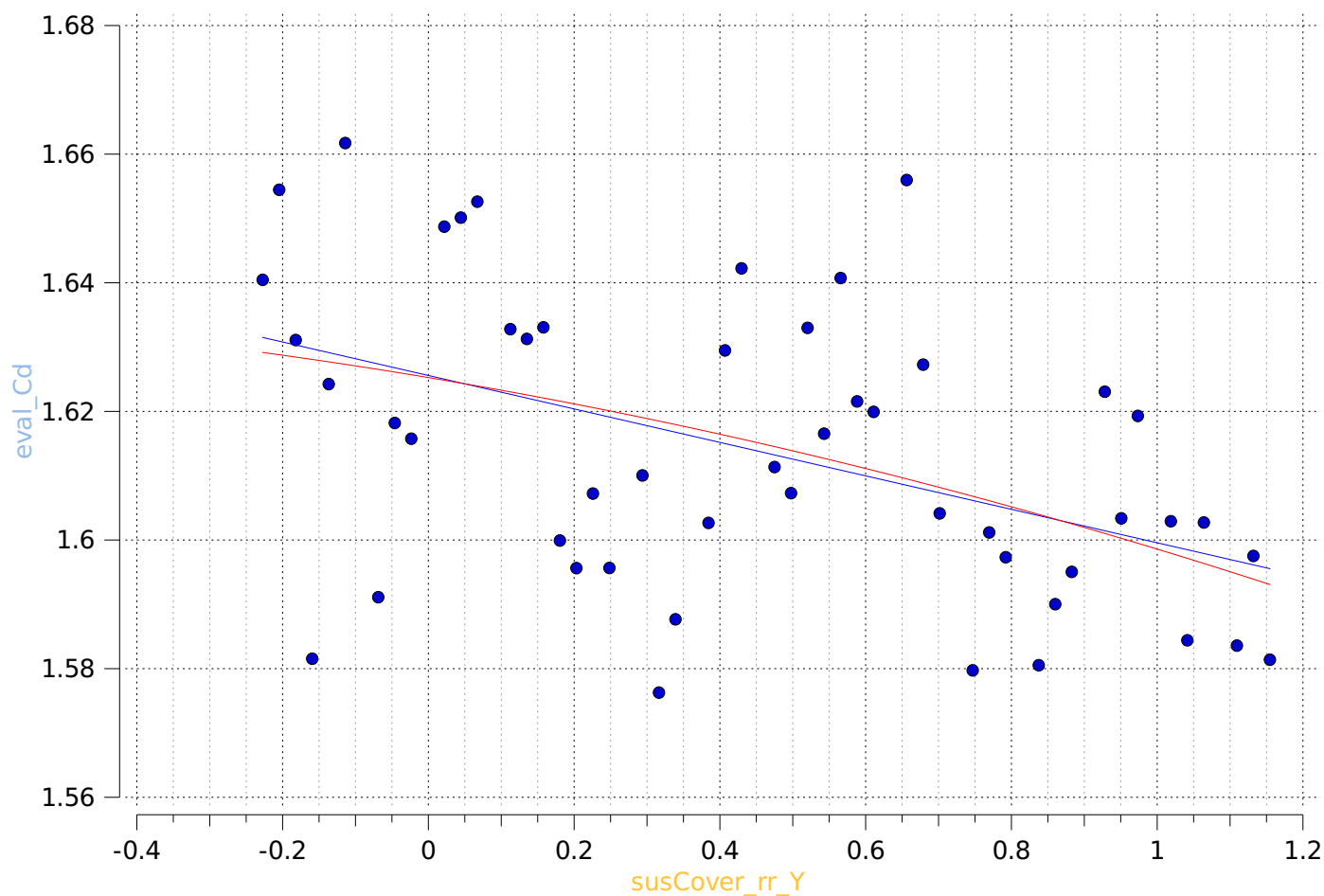
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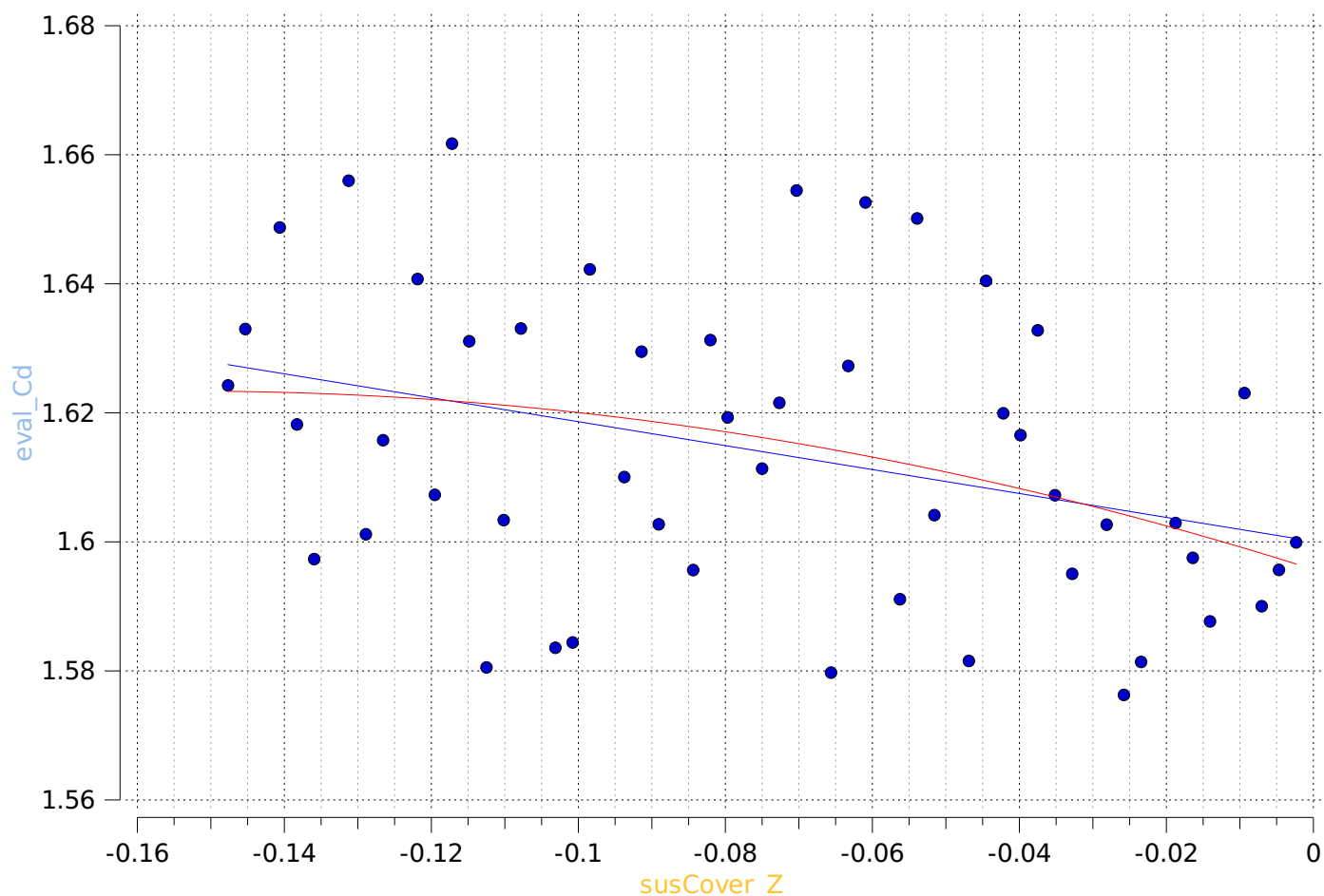
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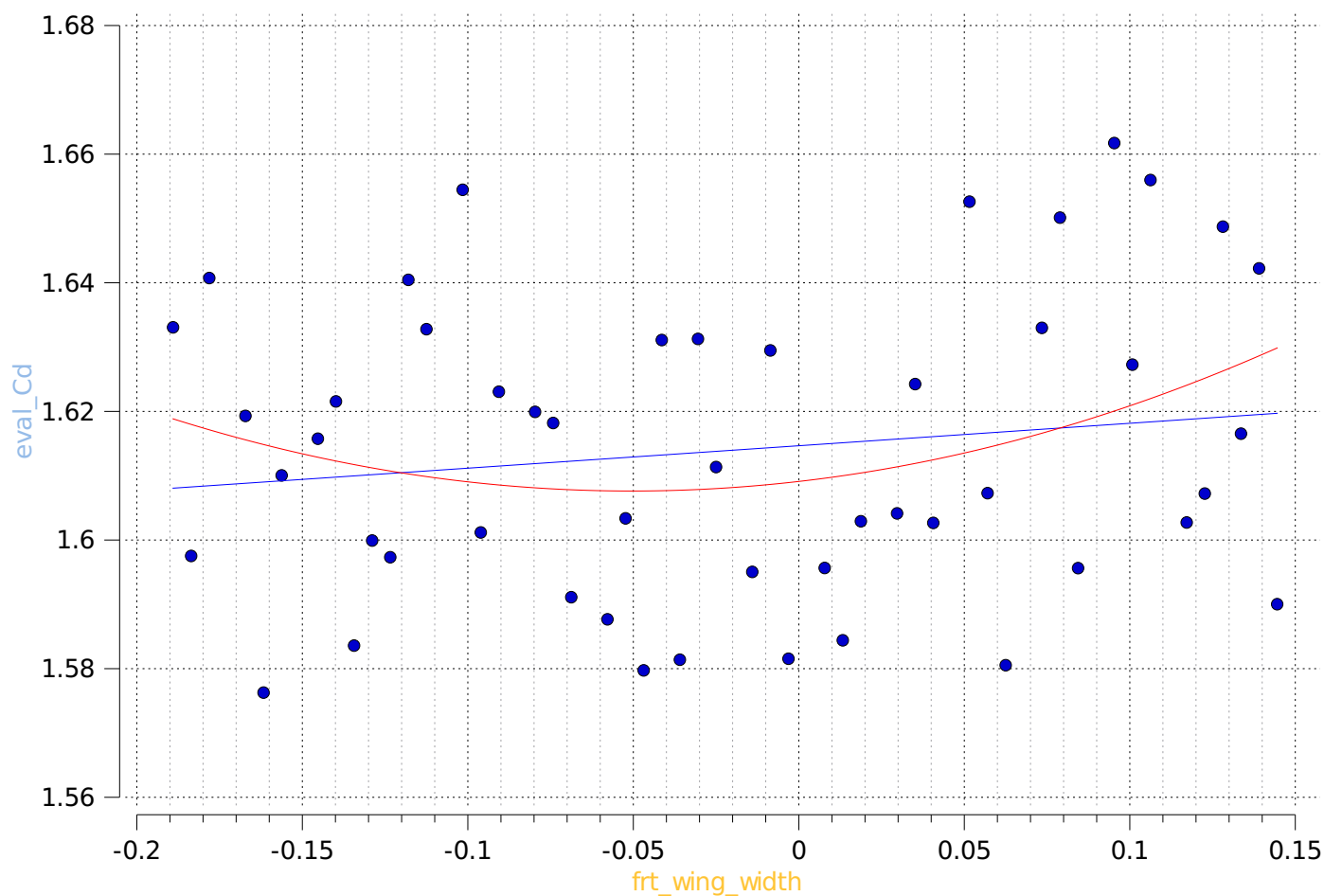
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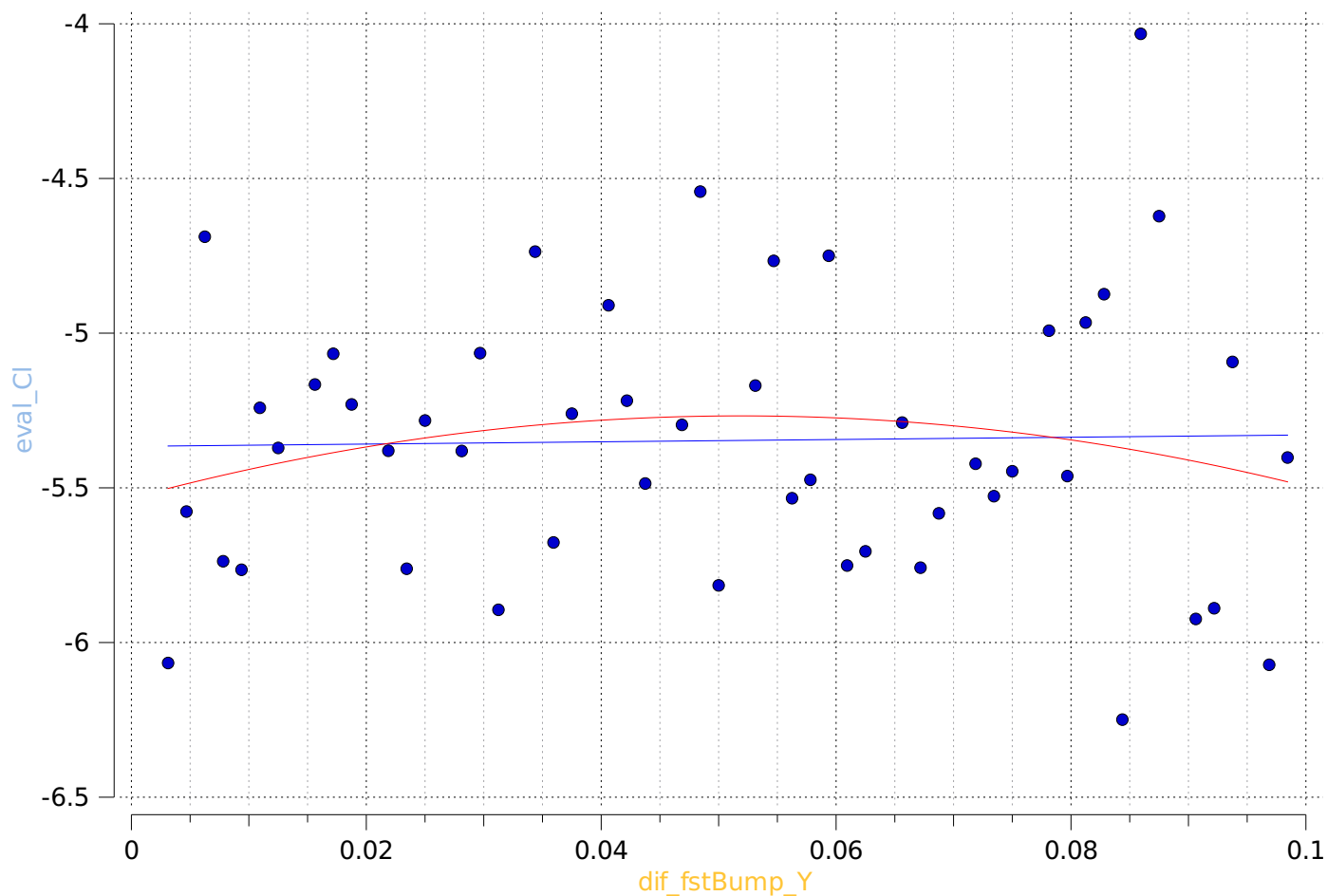
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Design Variable |DVs|susCover_Z



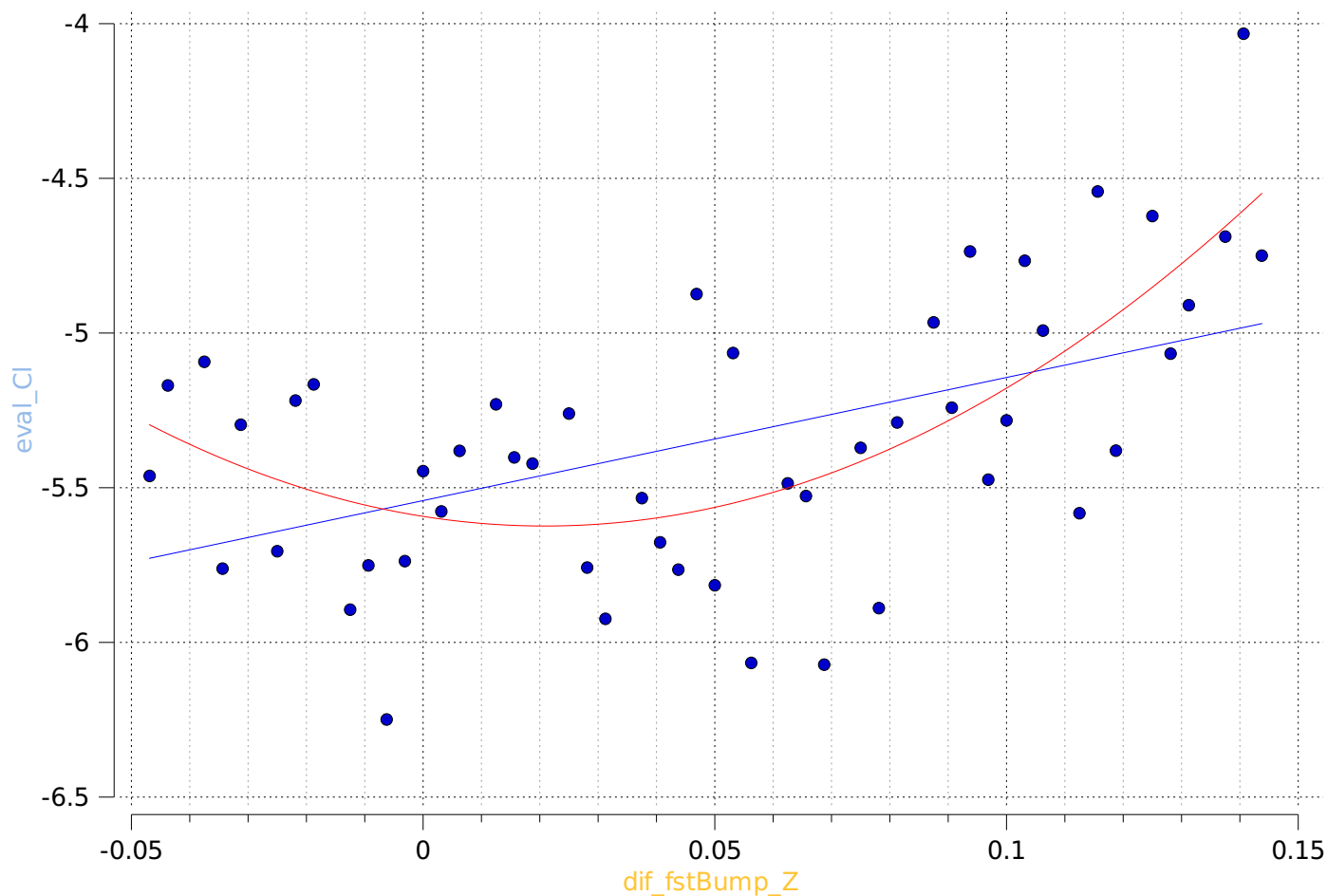
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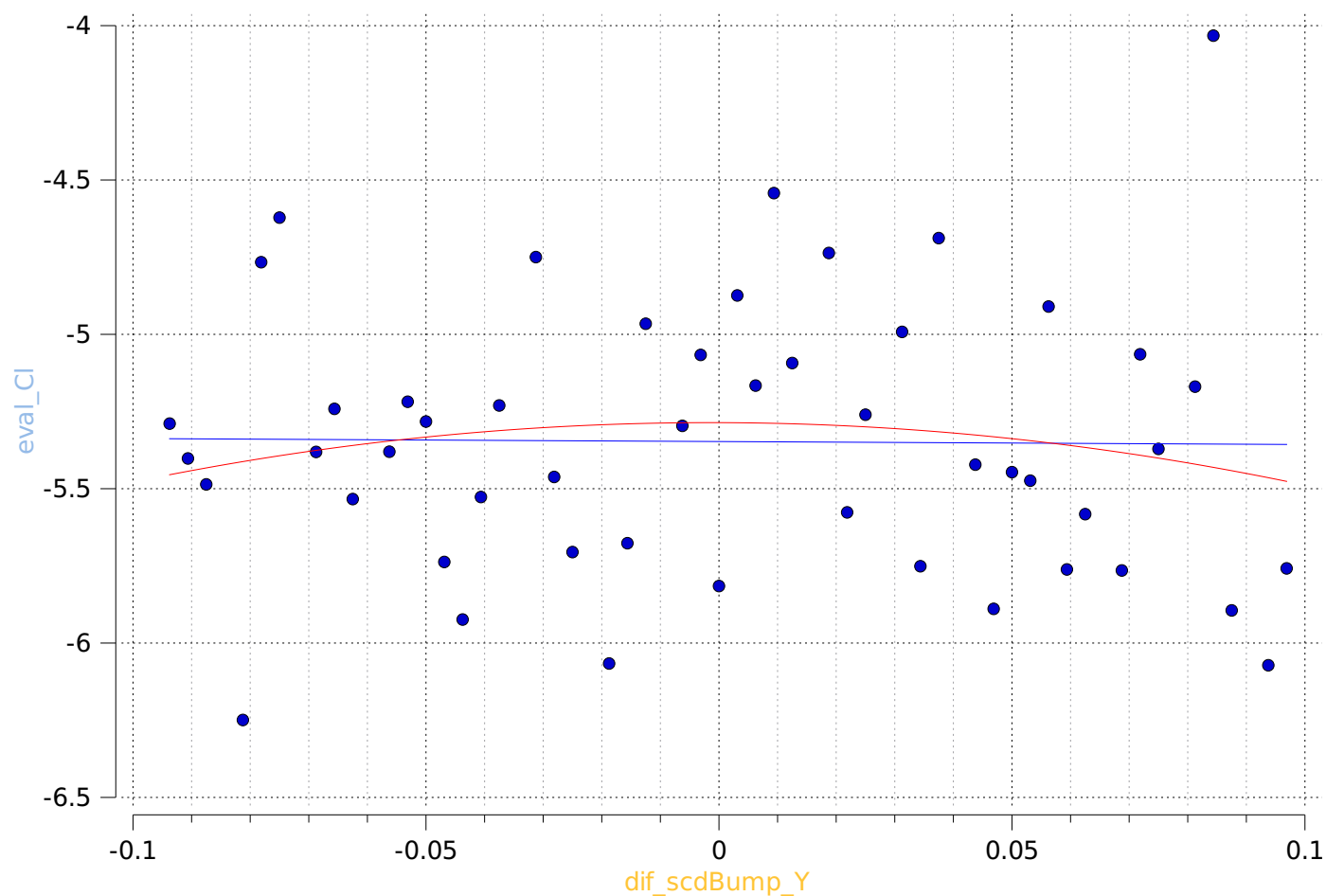
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Design Variable |DVs|dif_fstBump_Y



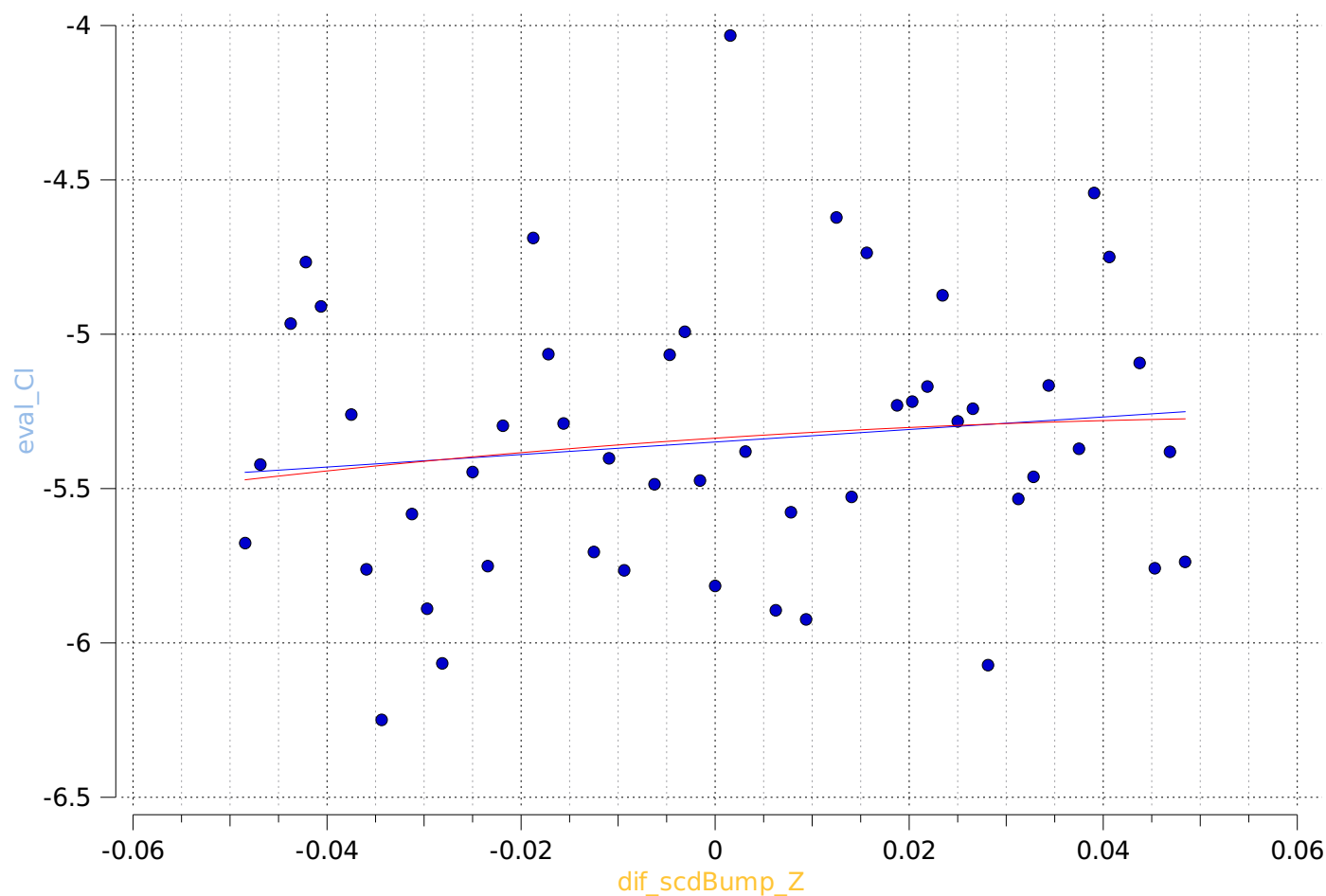
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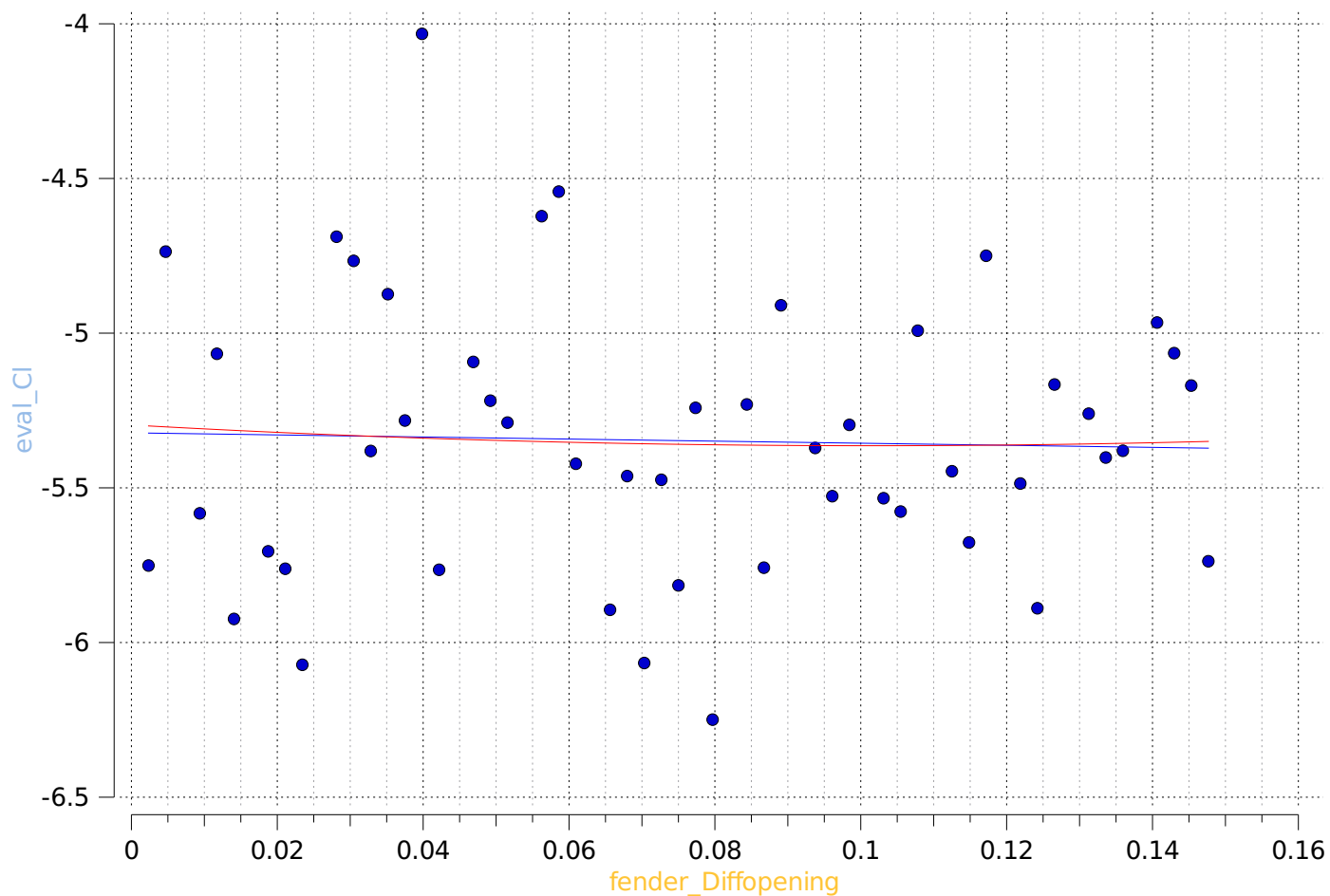
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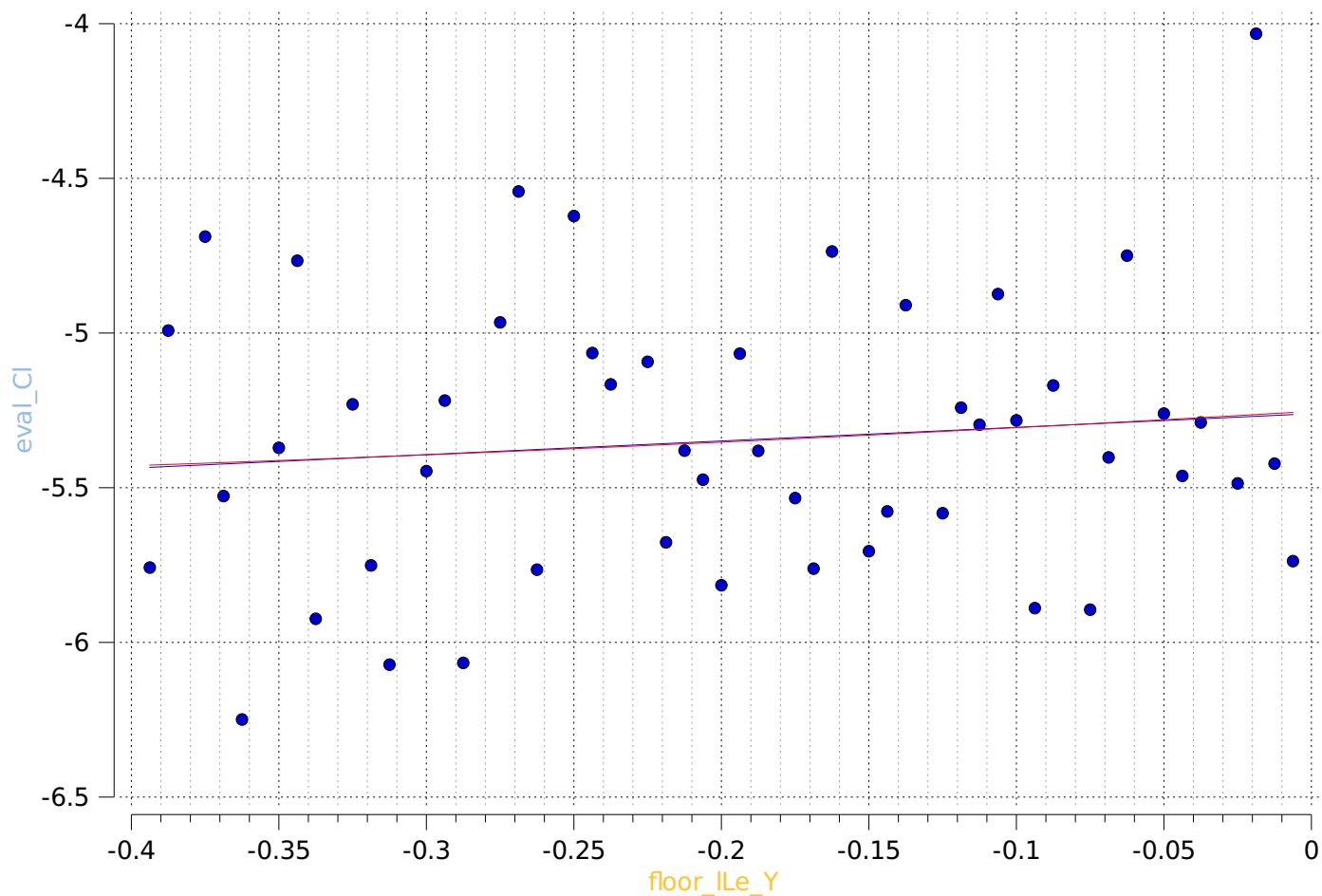
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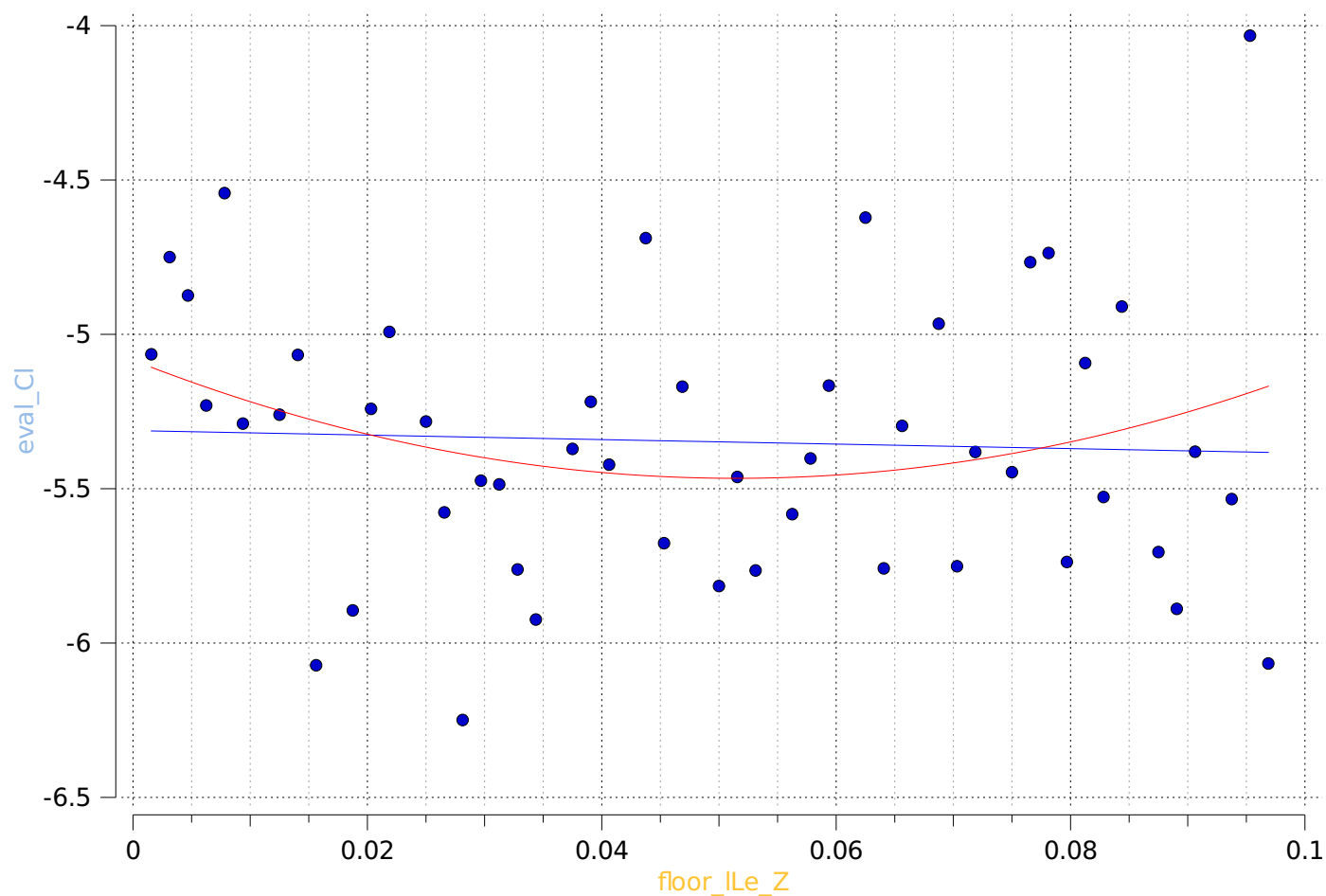
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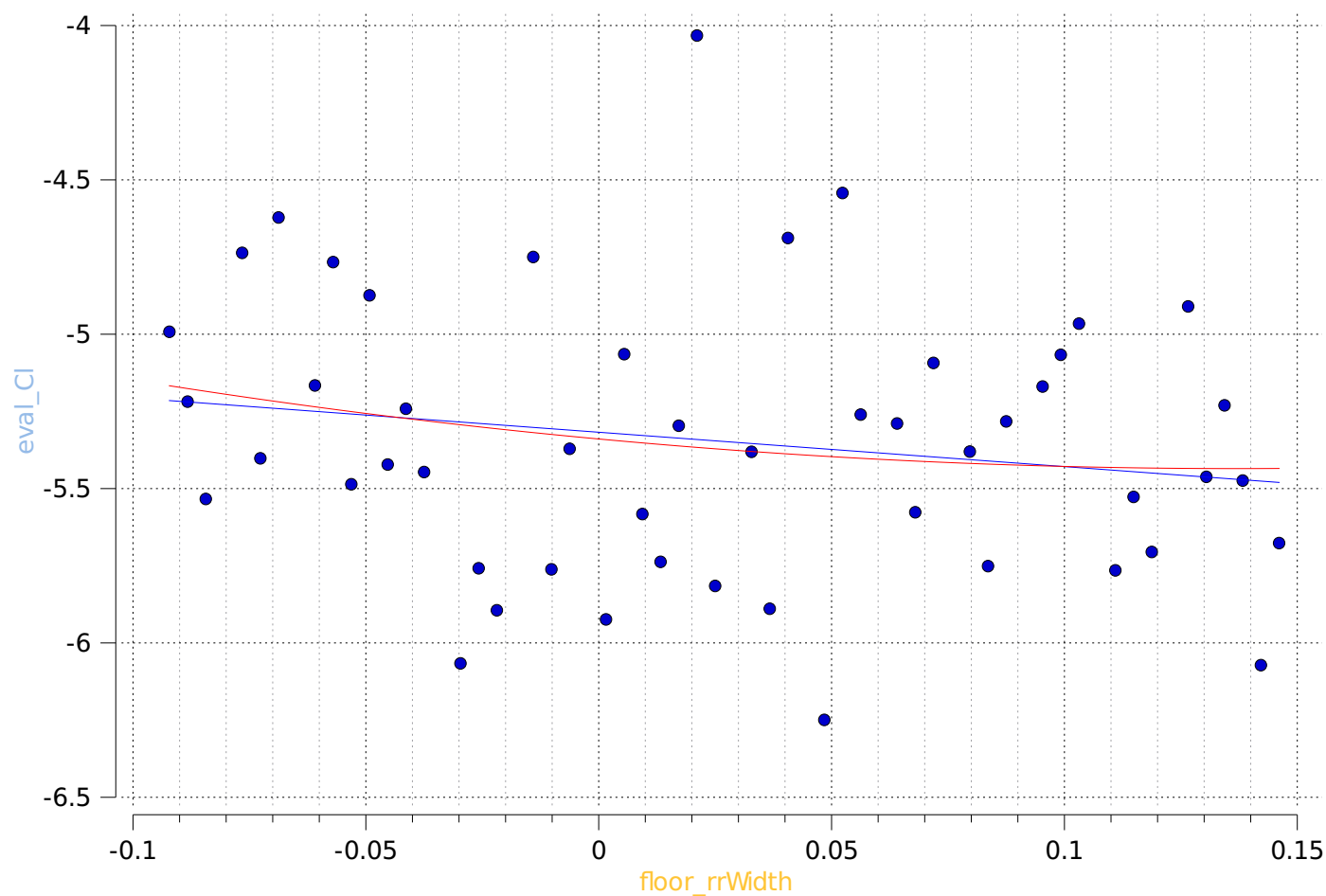
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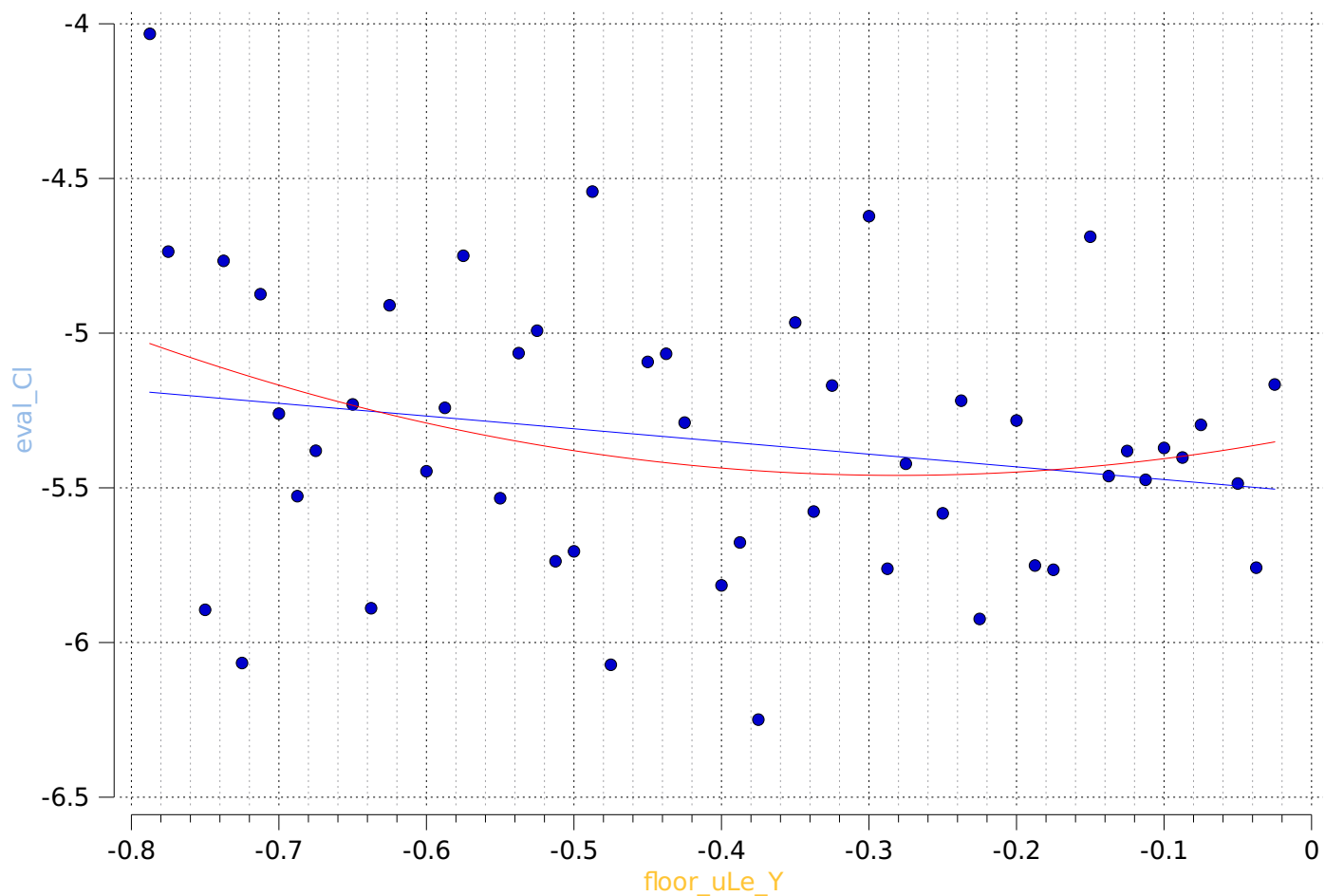
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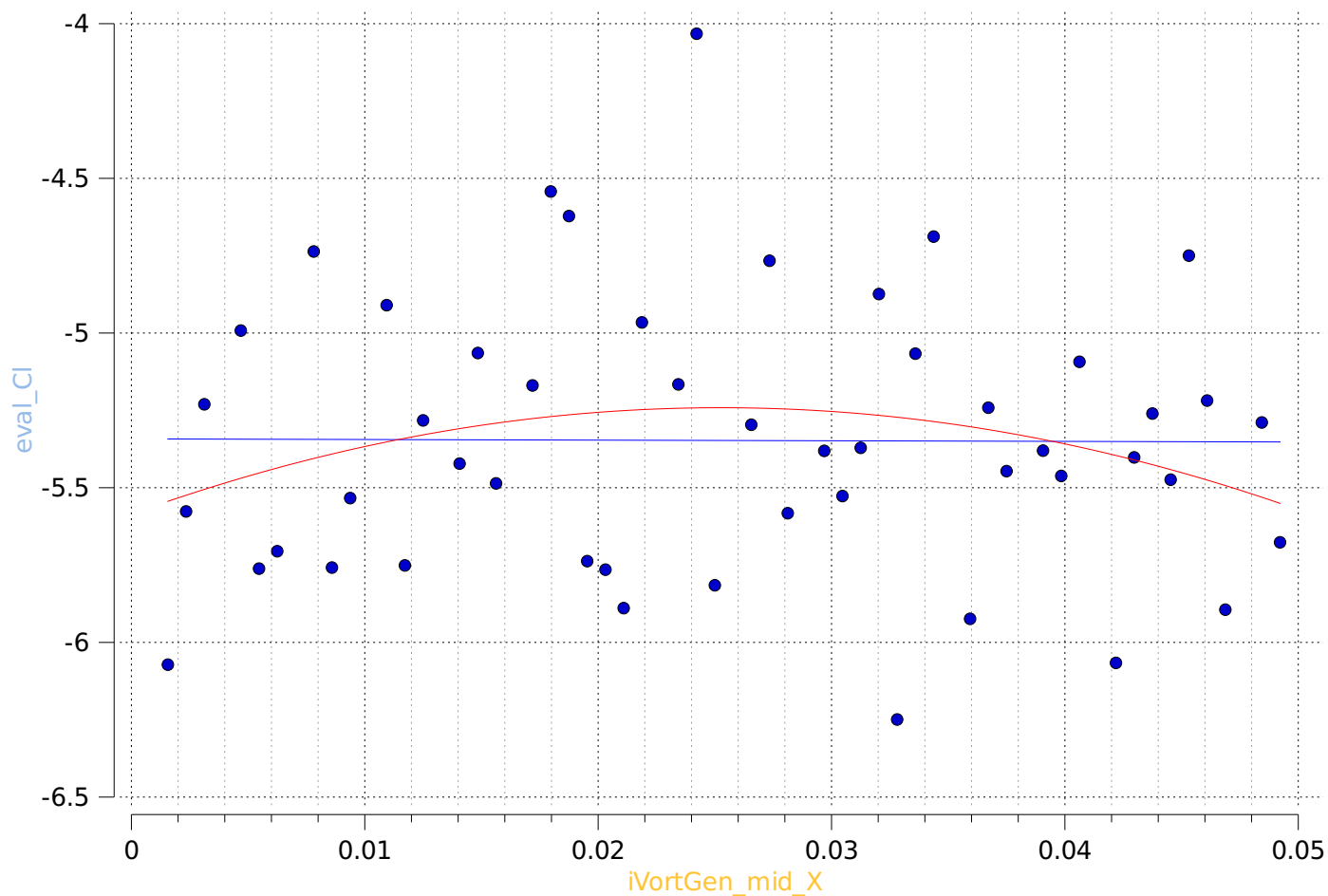
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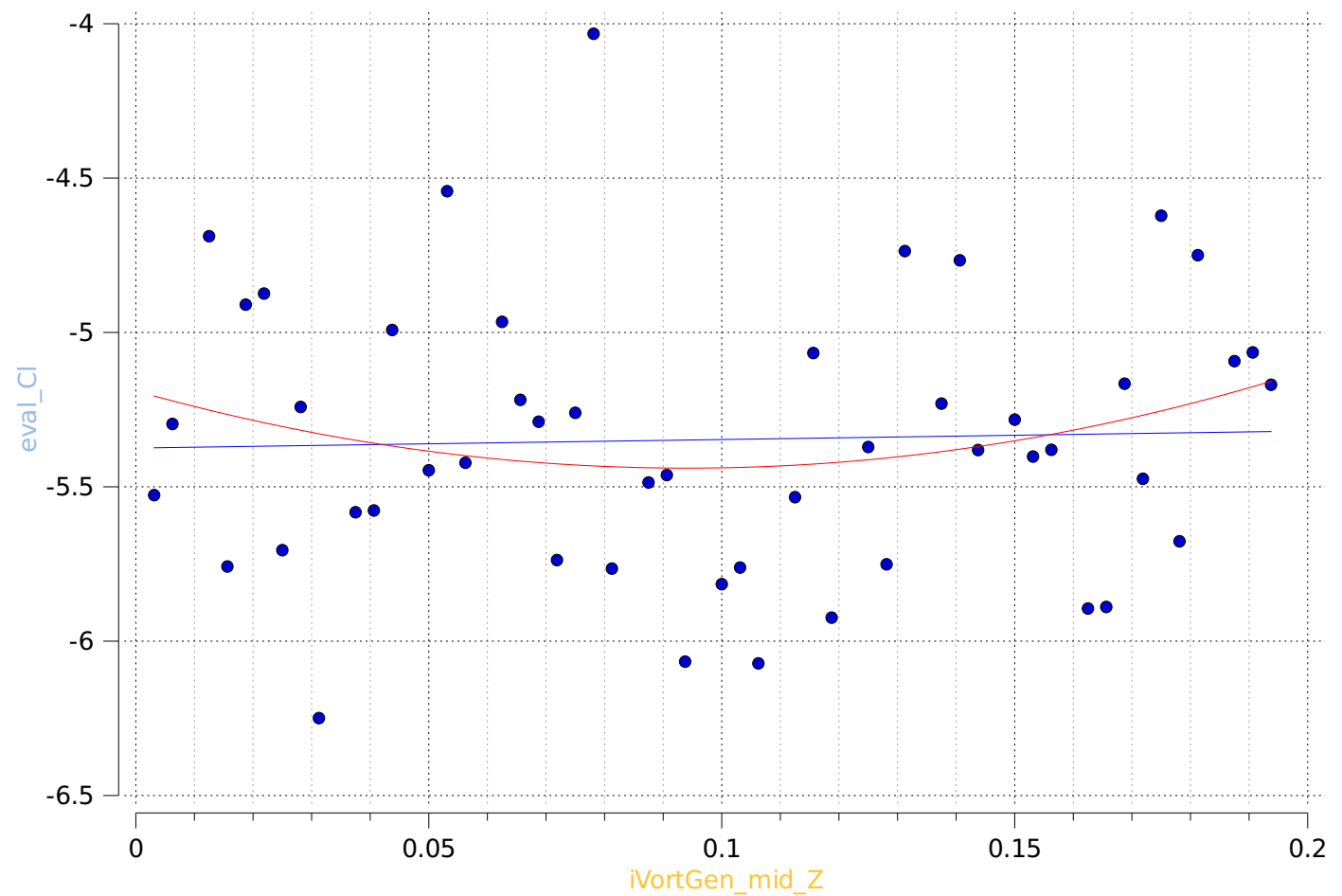
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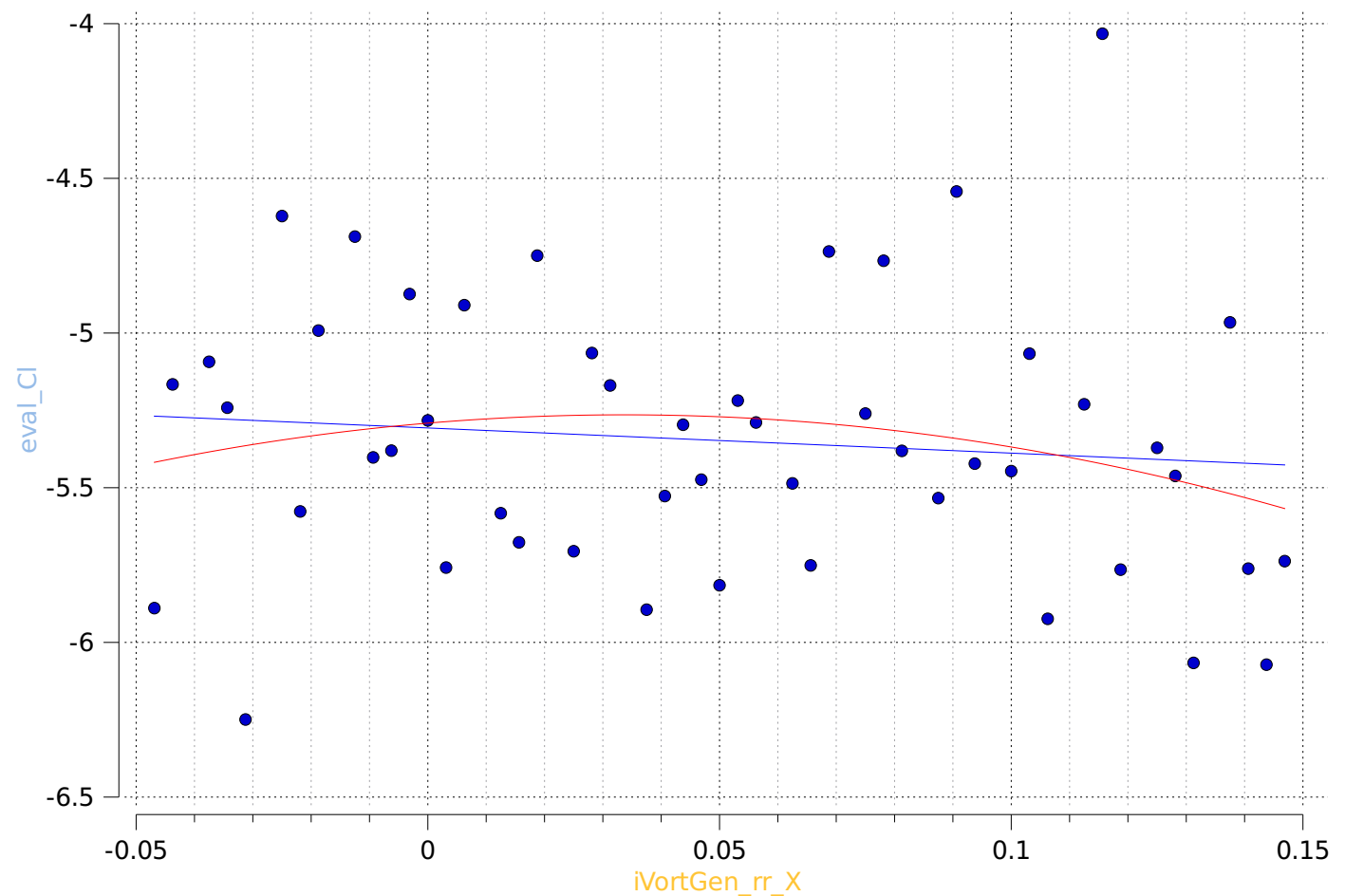
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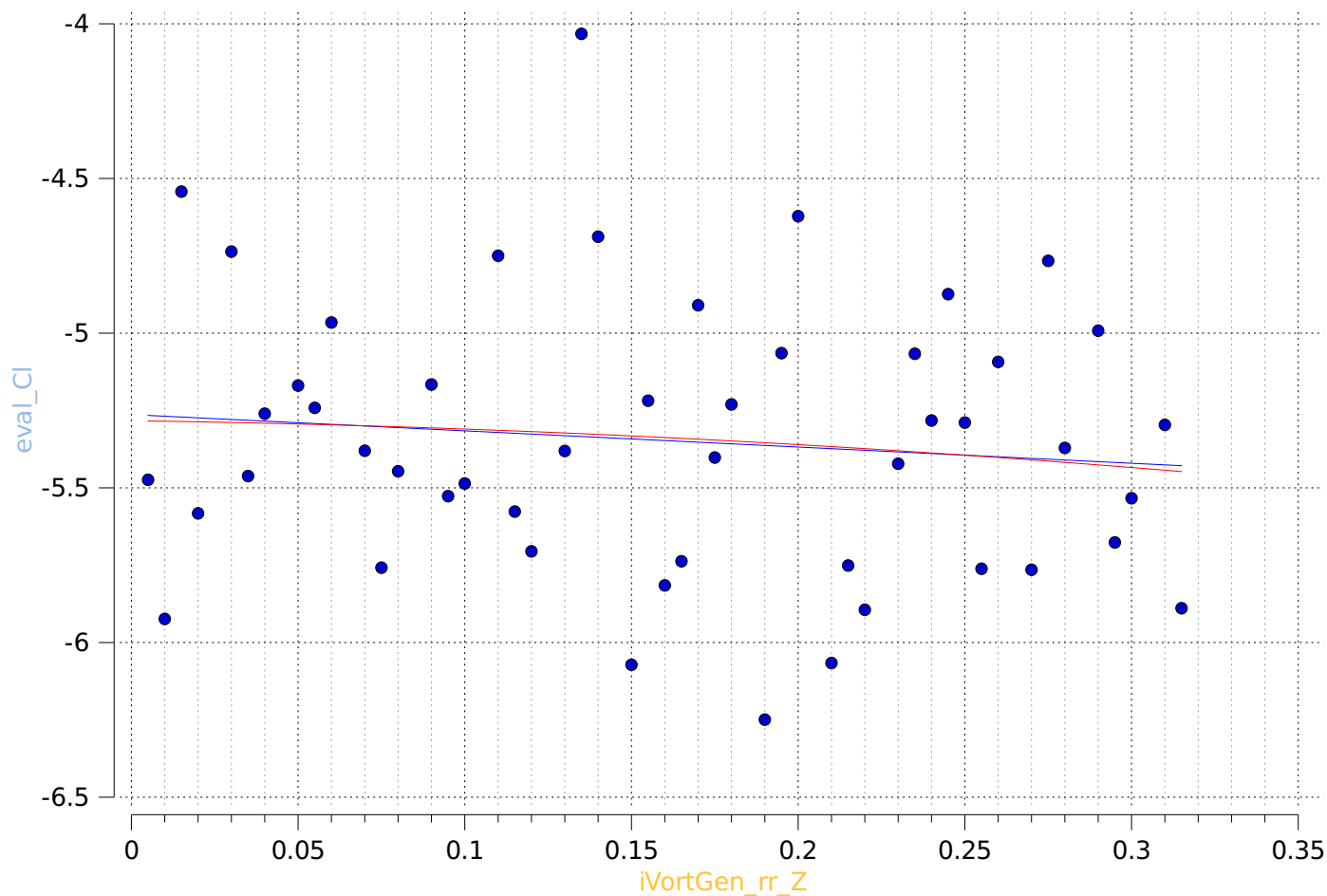
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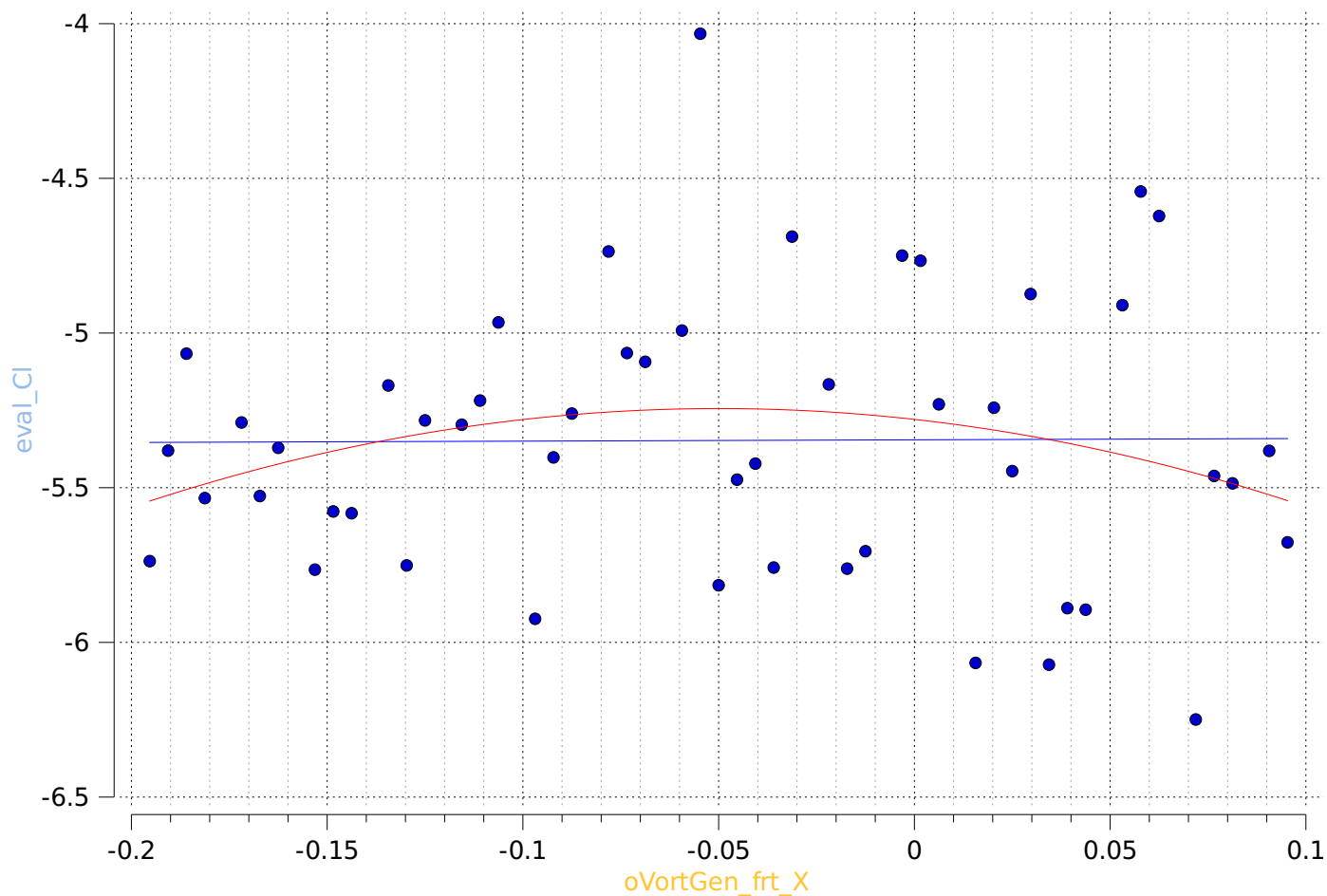
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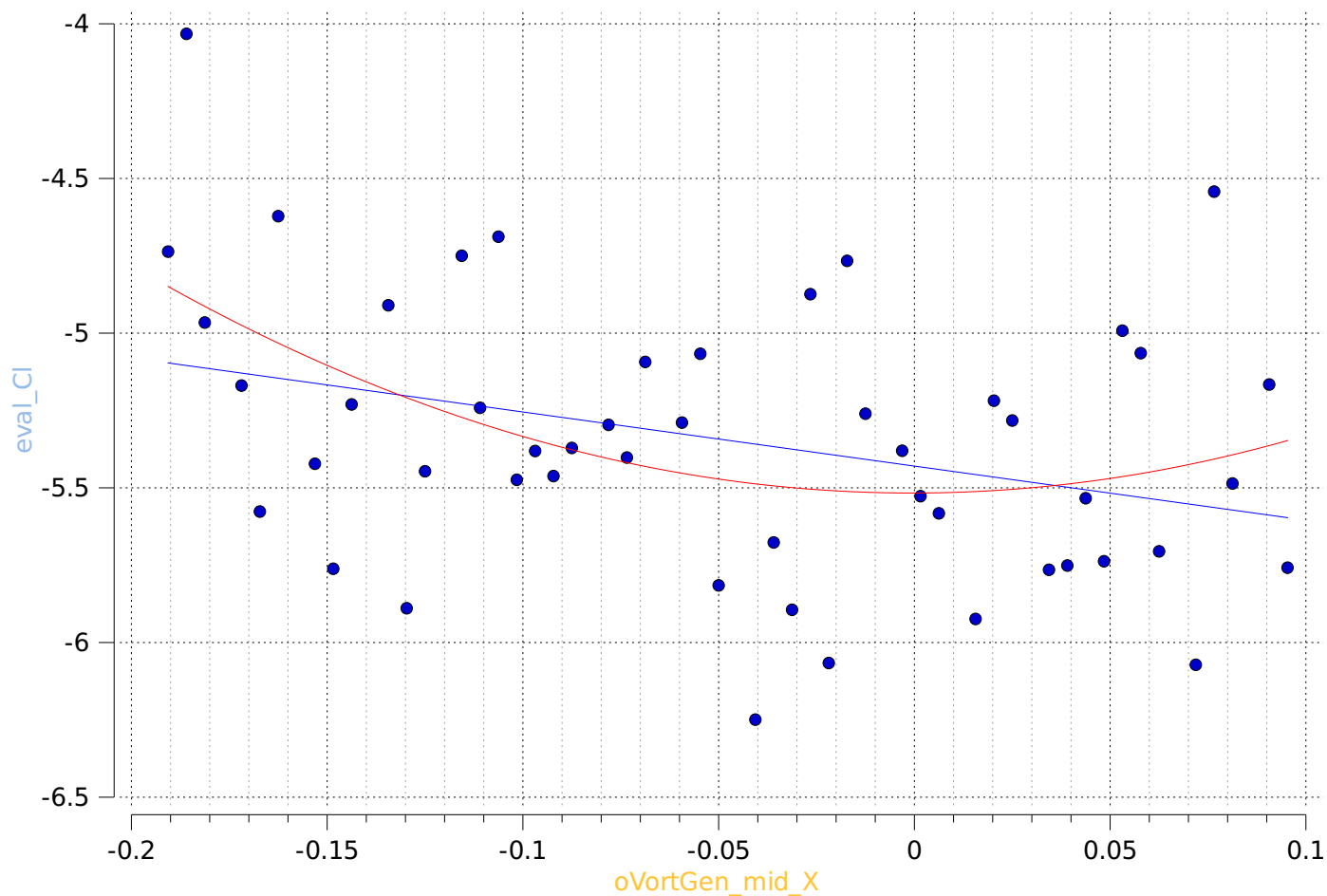
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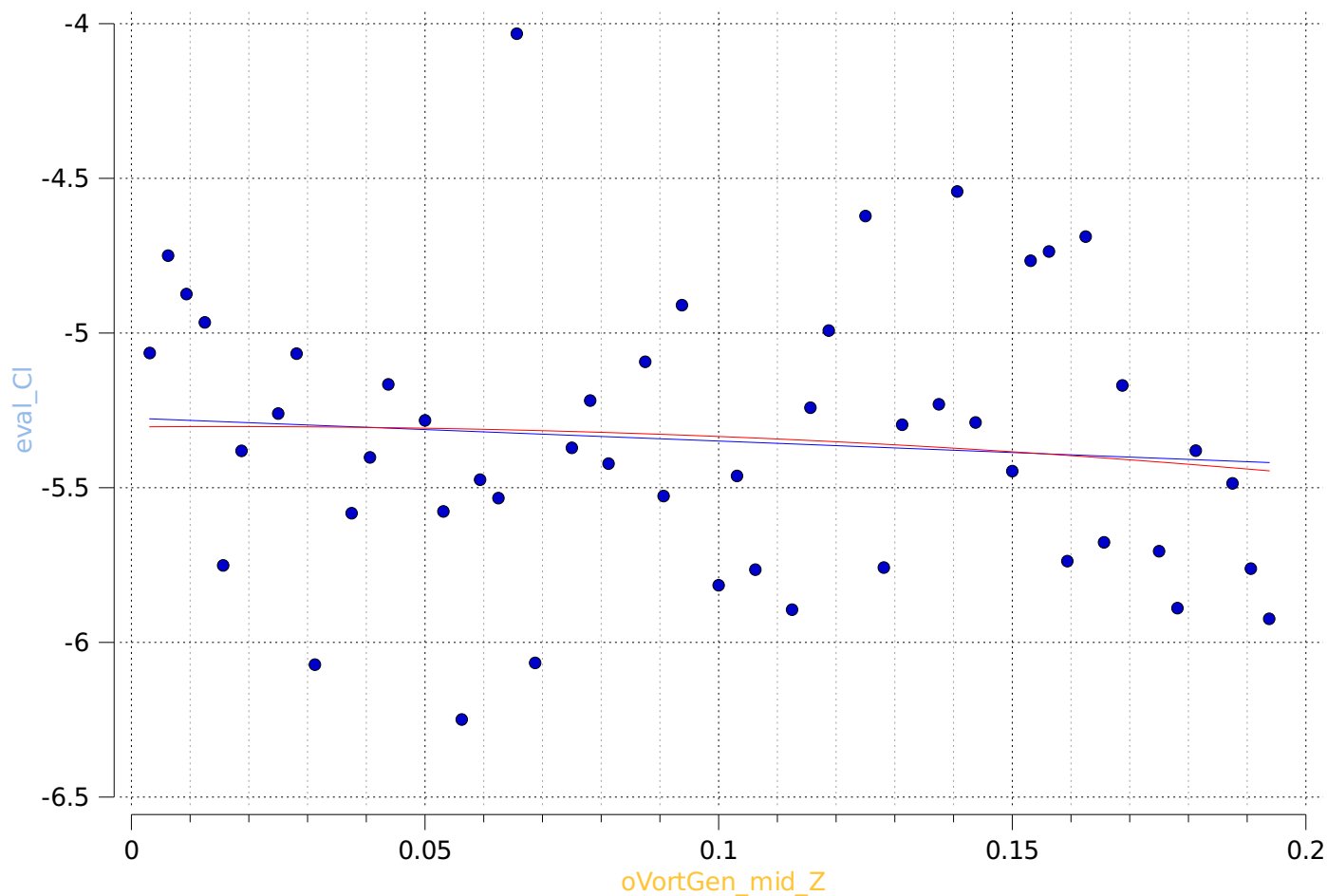
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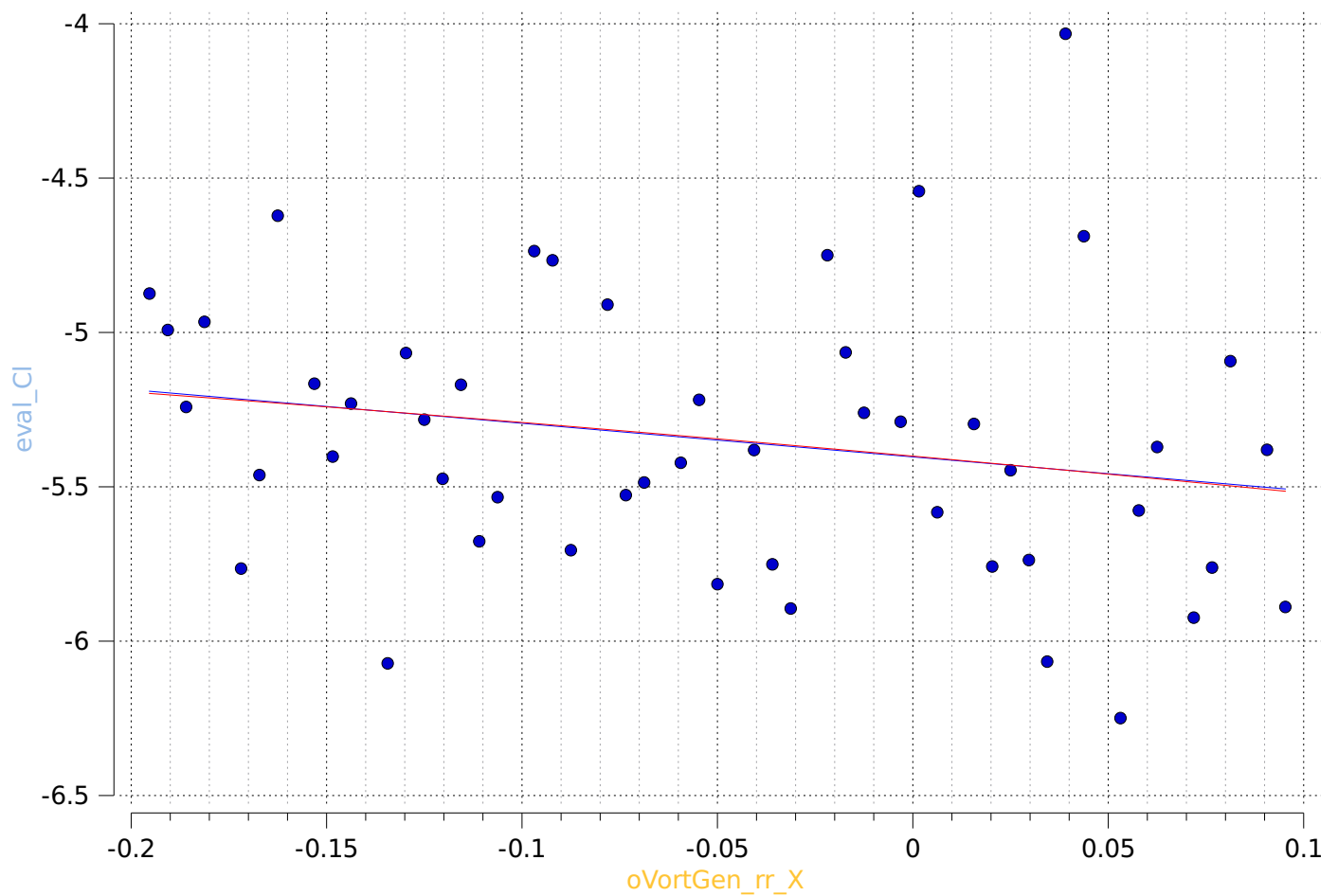
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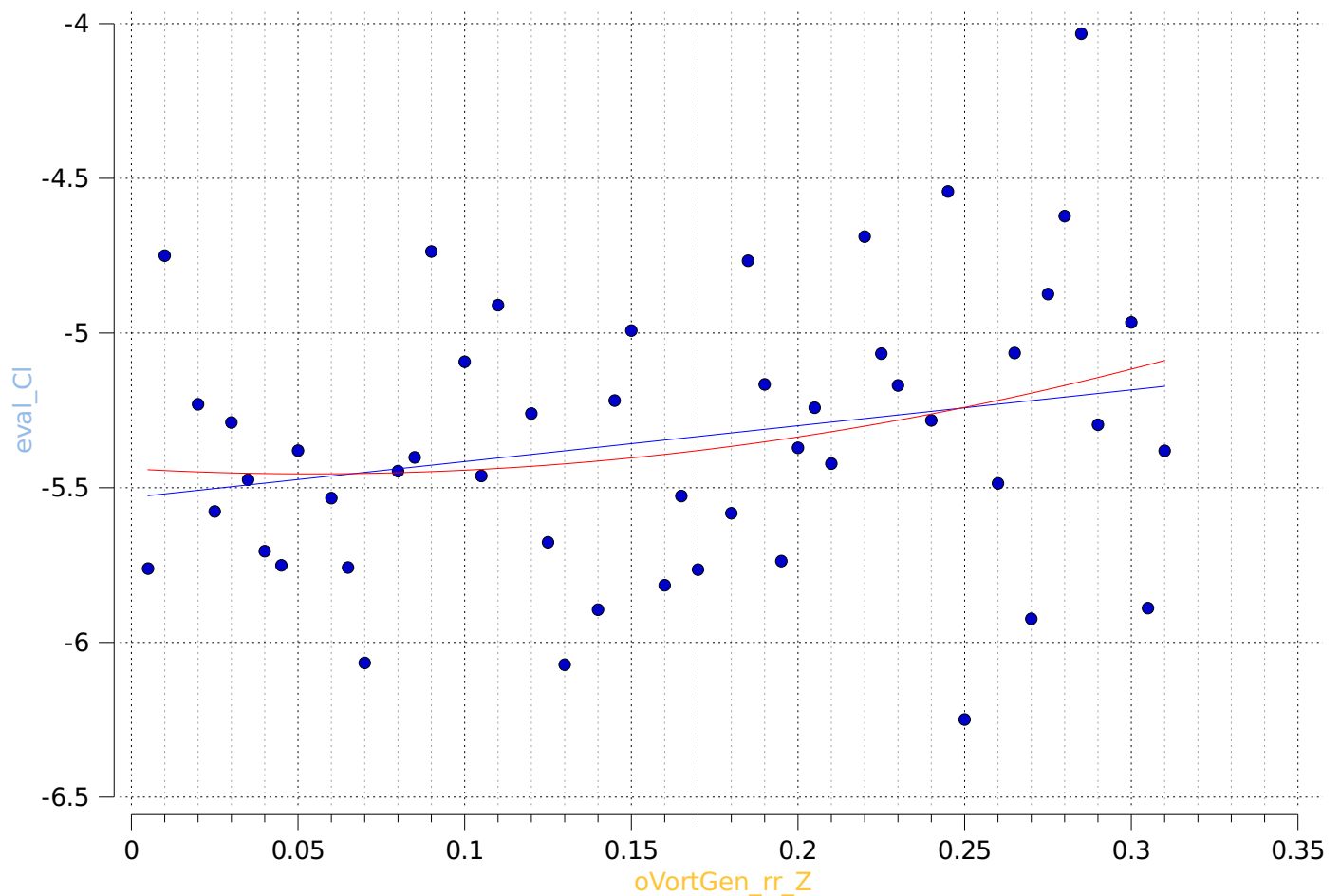
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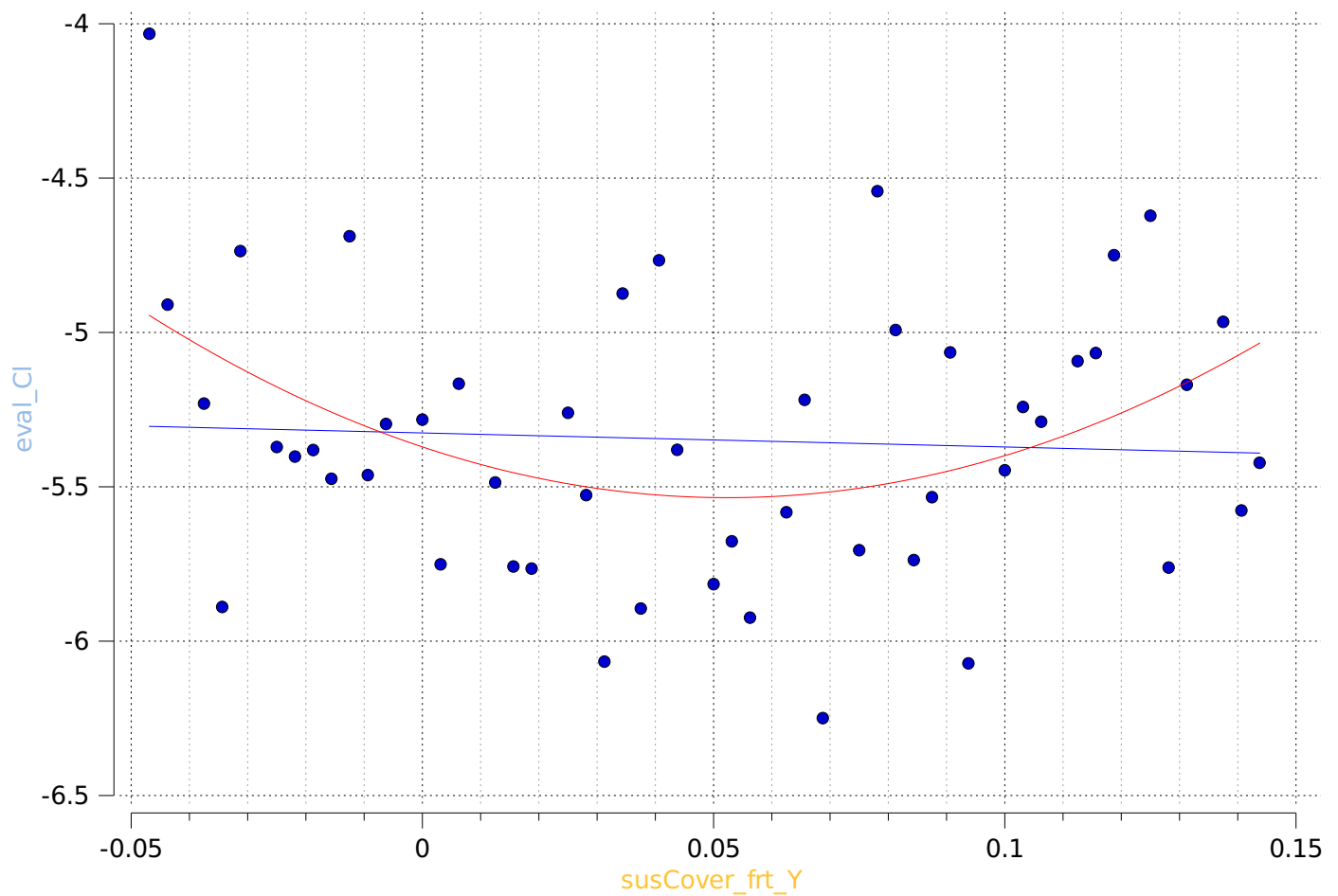
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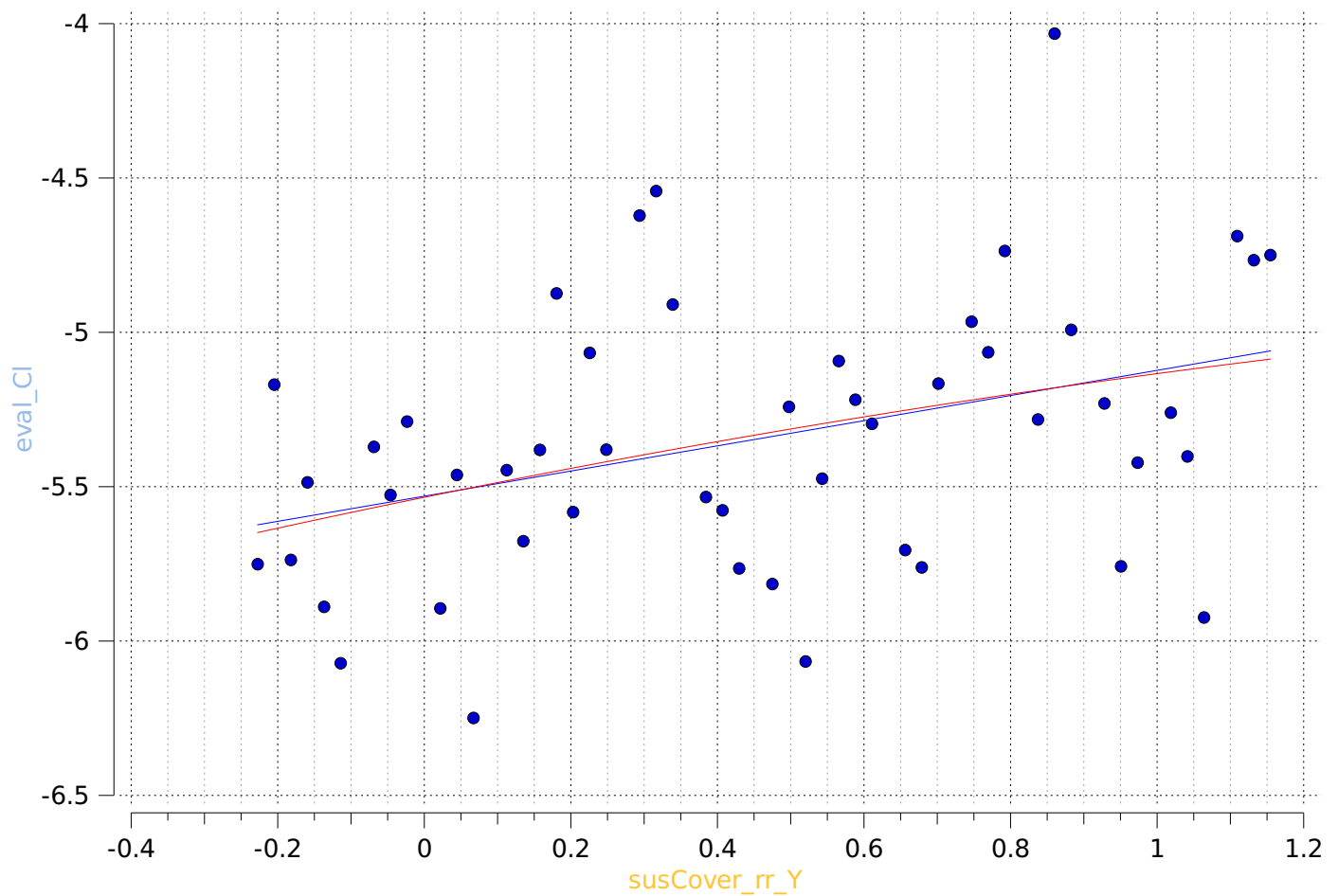
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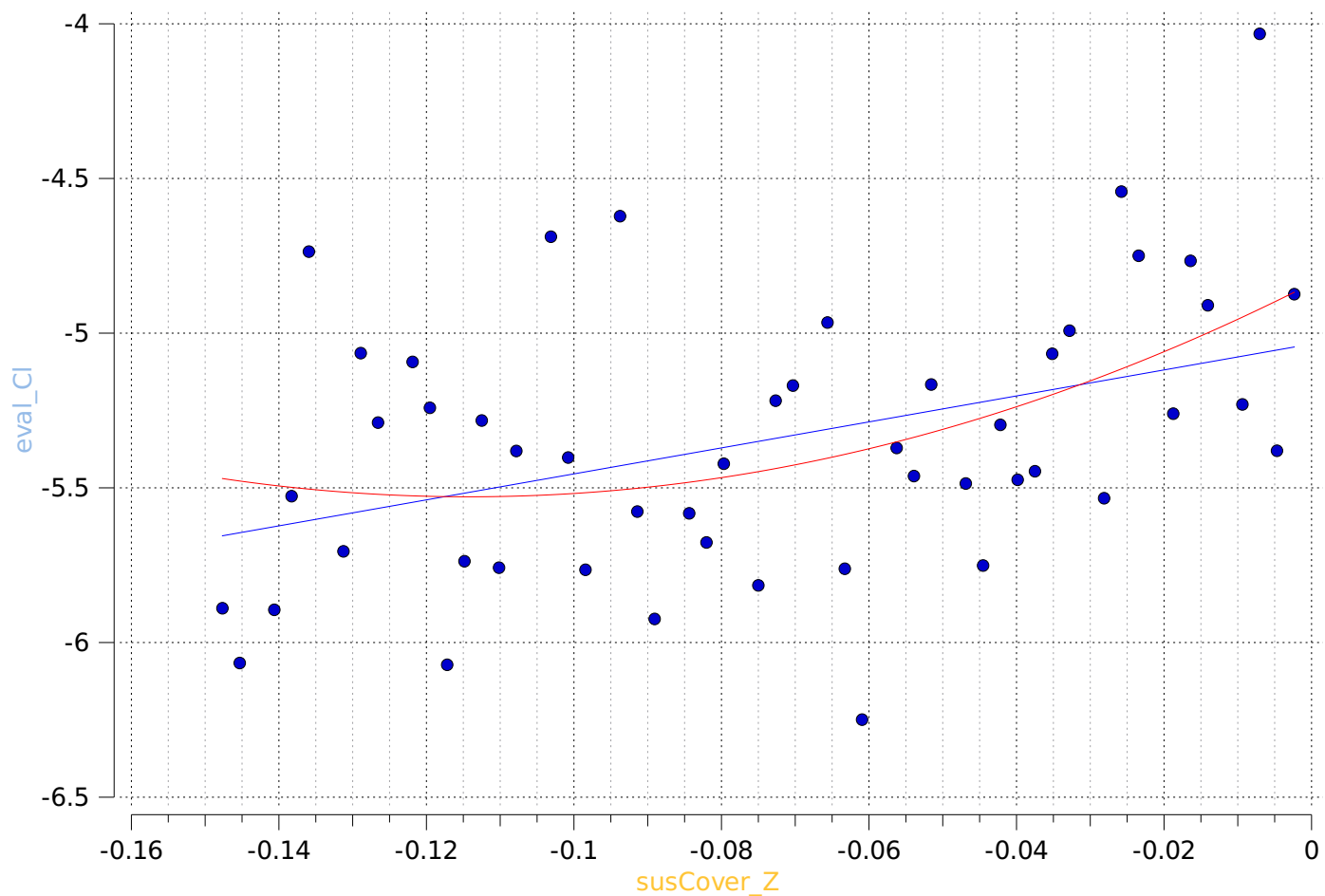
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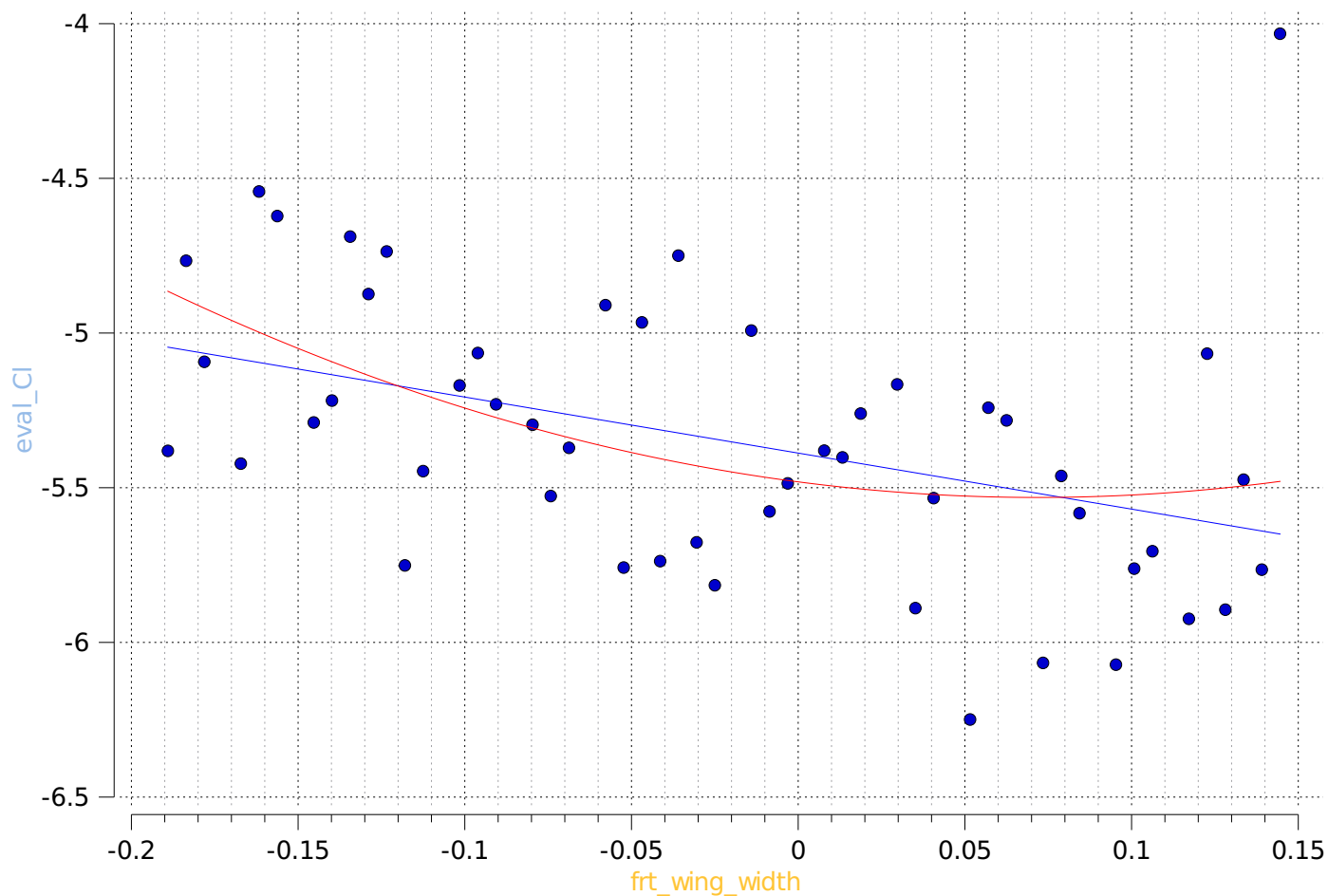
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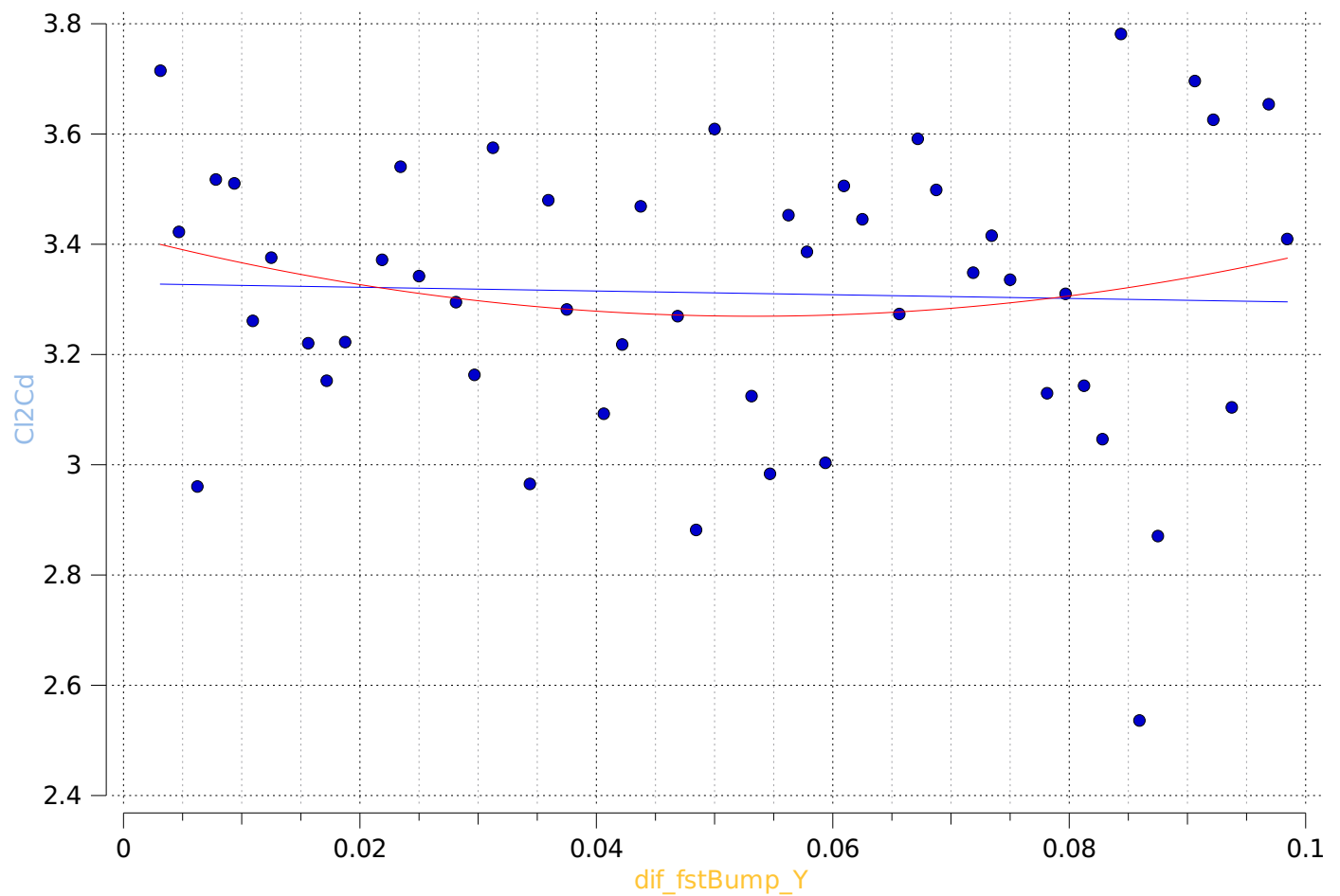
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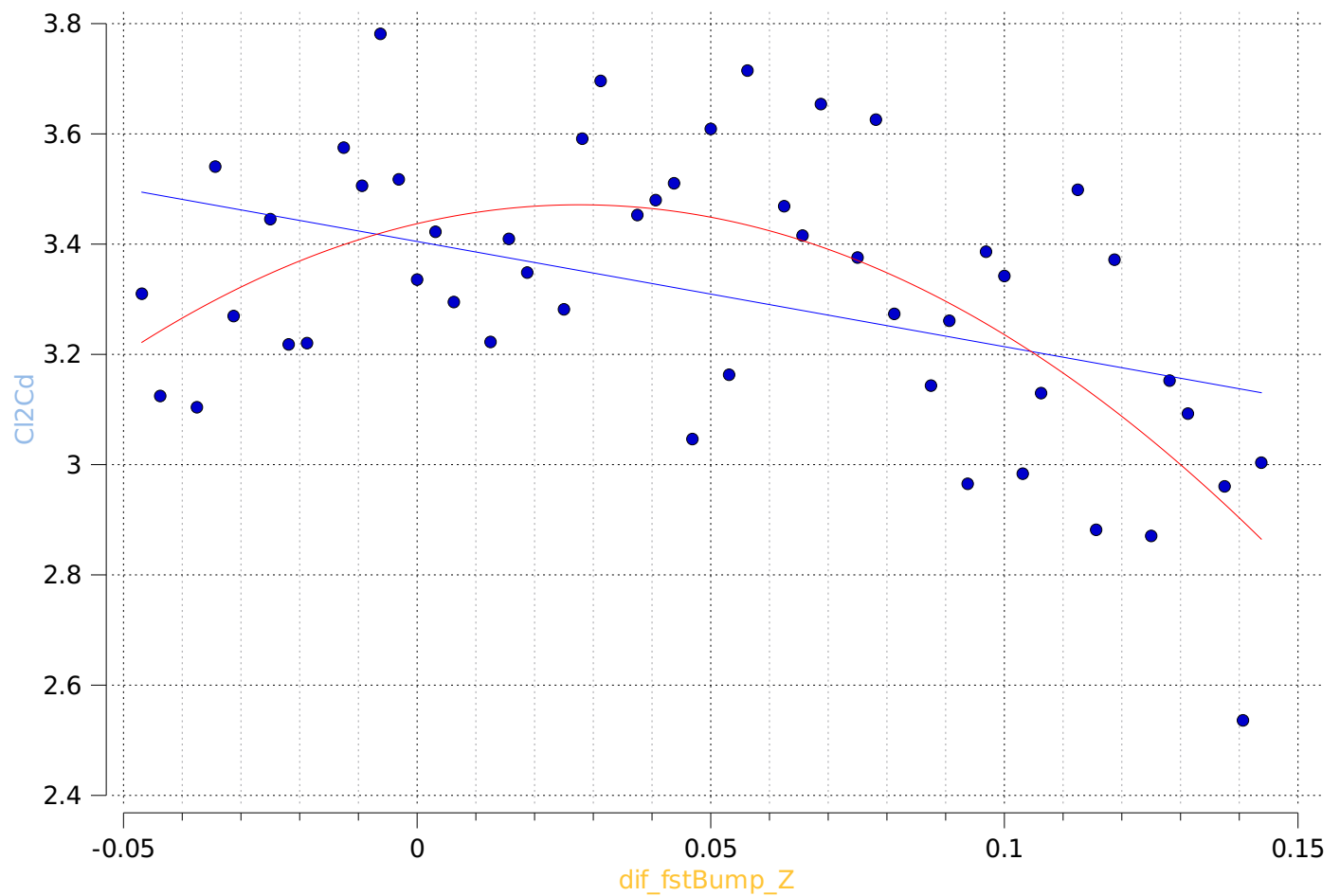
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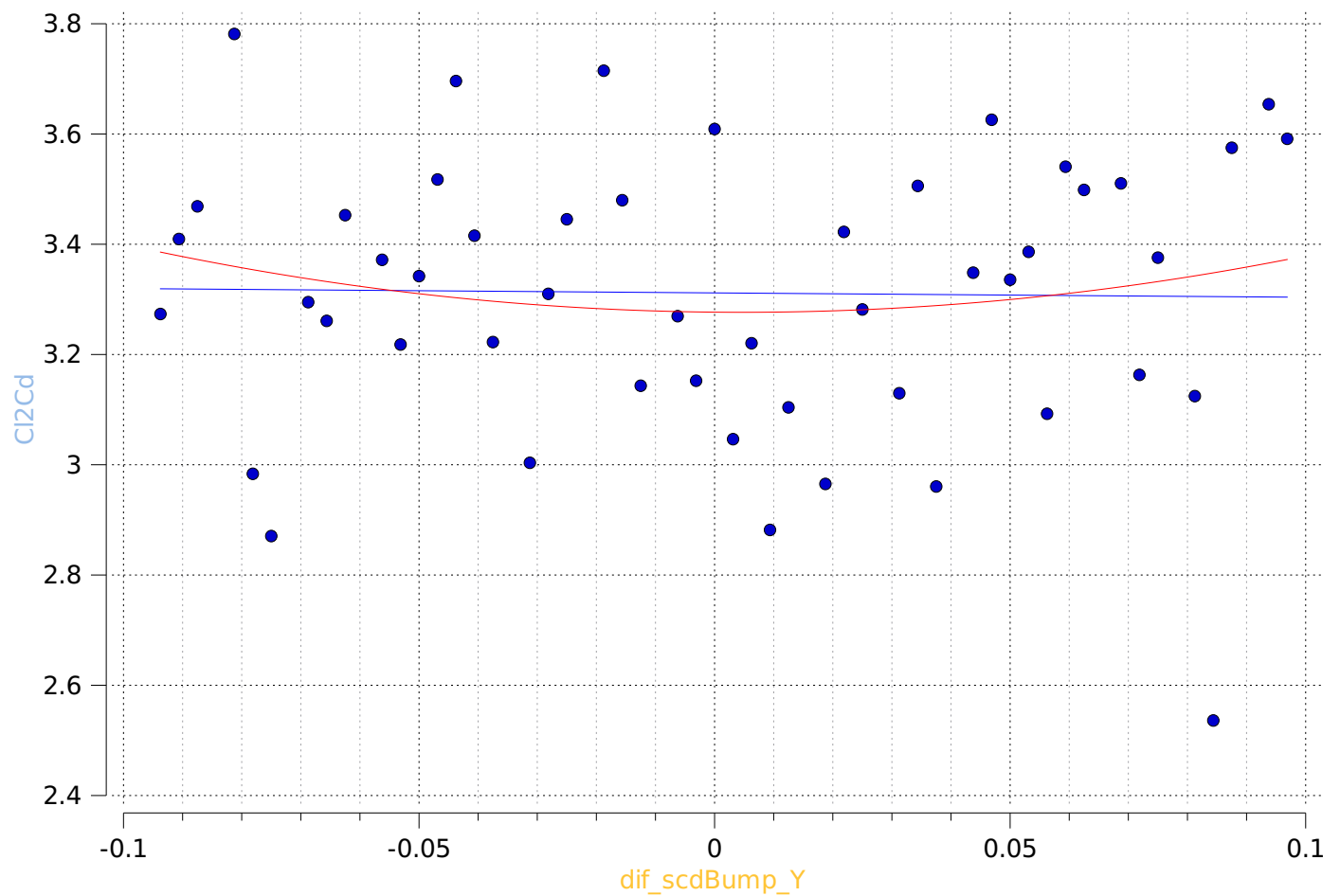
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Design Variable | DVs|dif_fstBump_Y



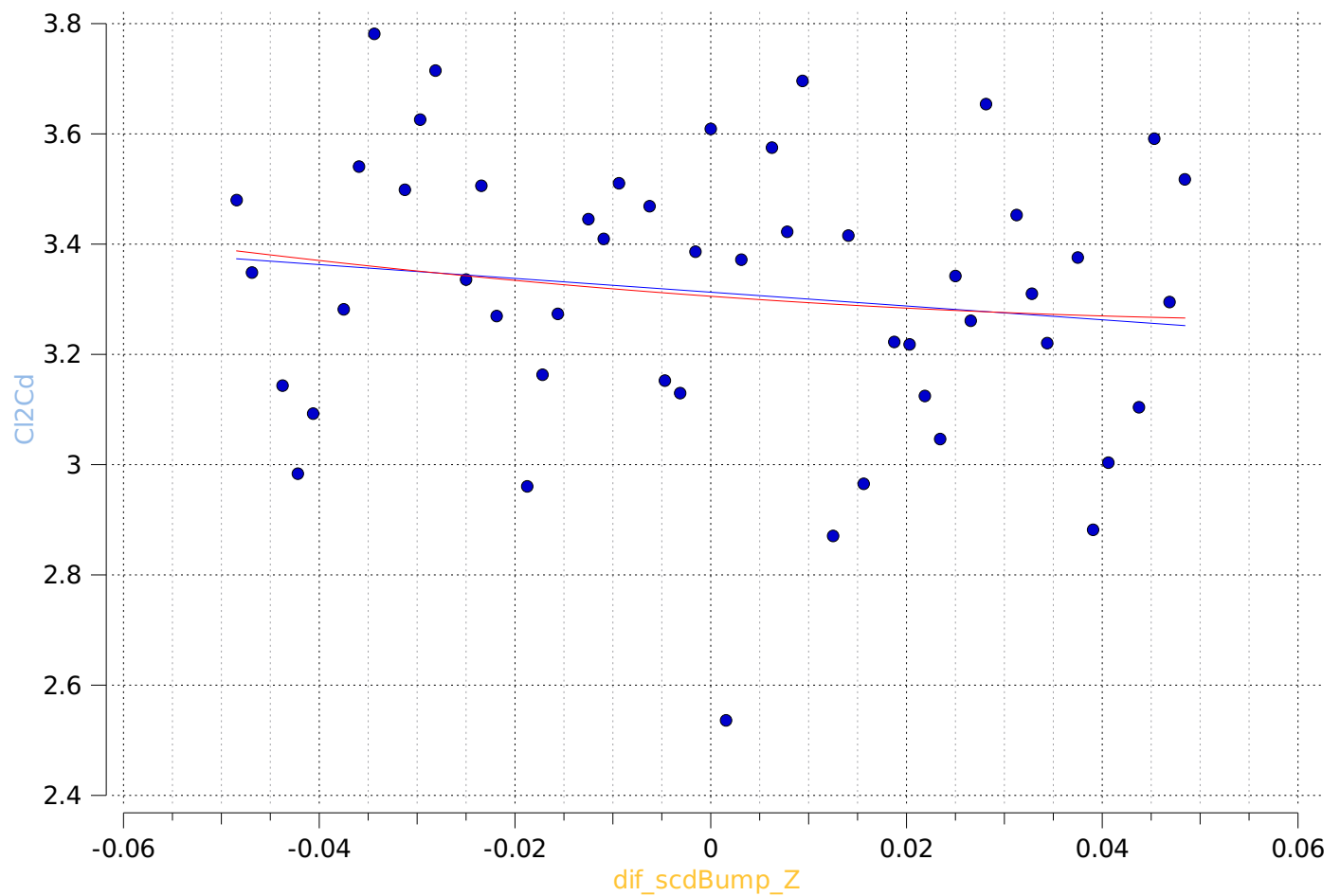
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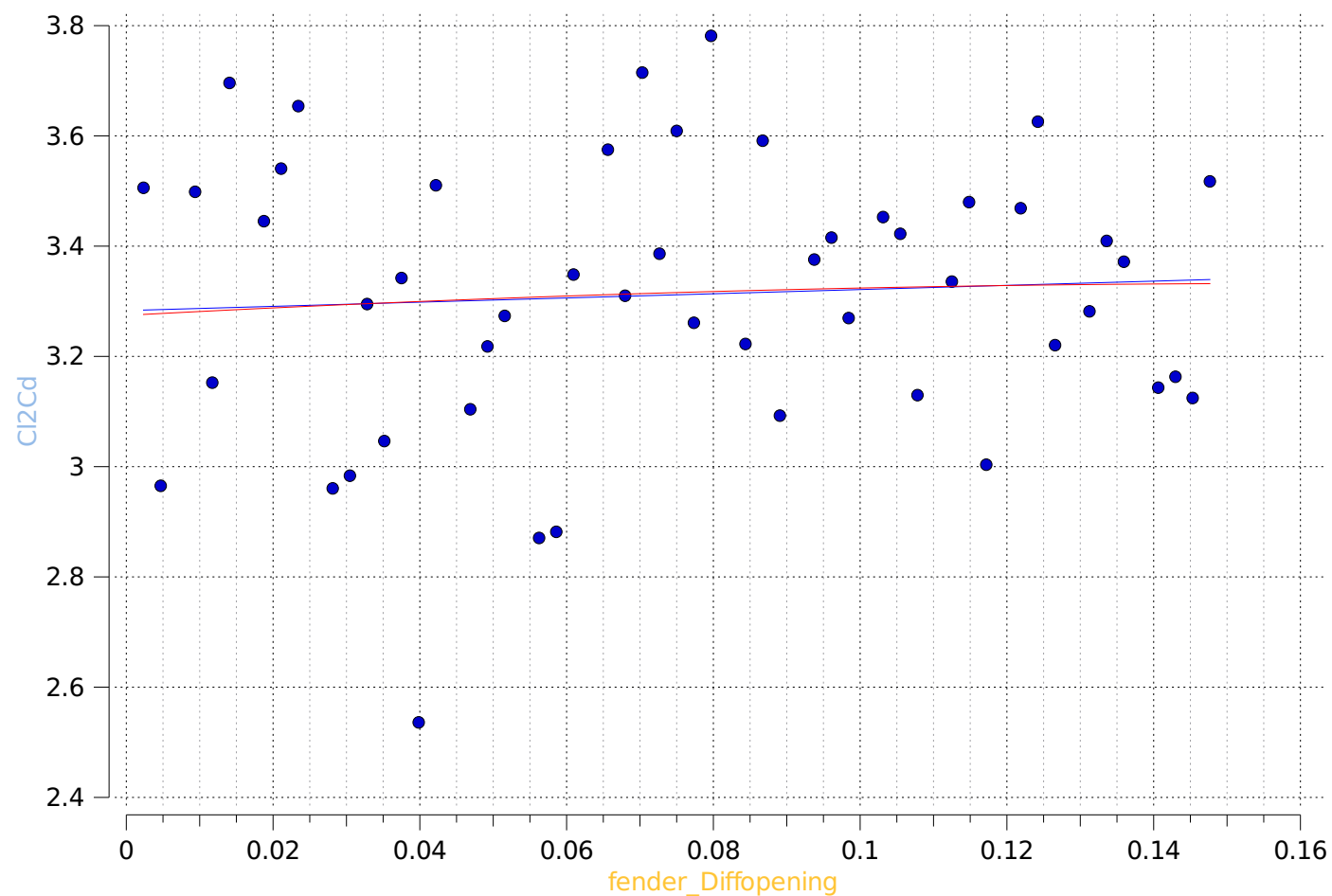
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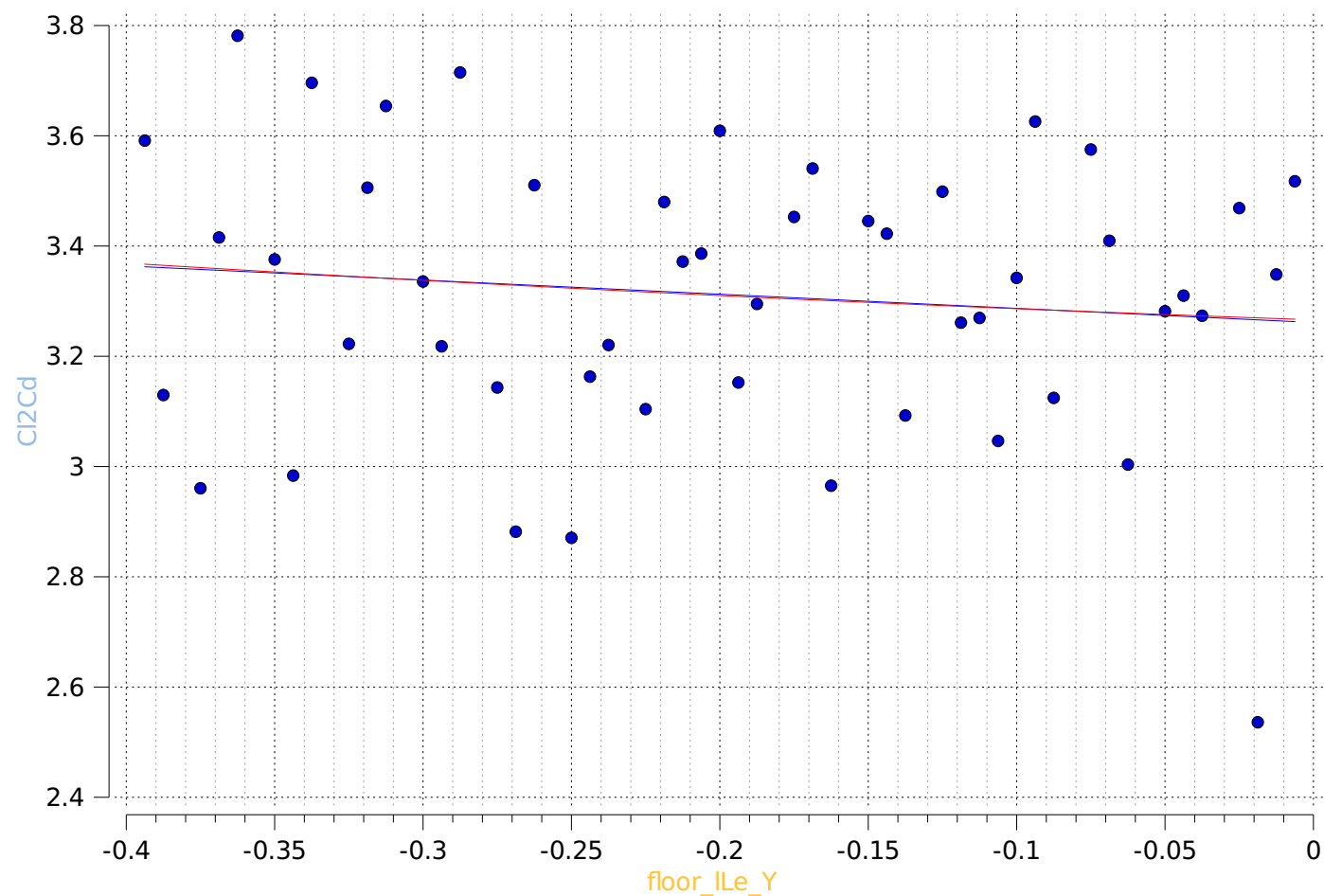
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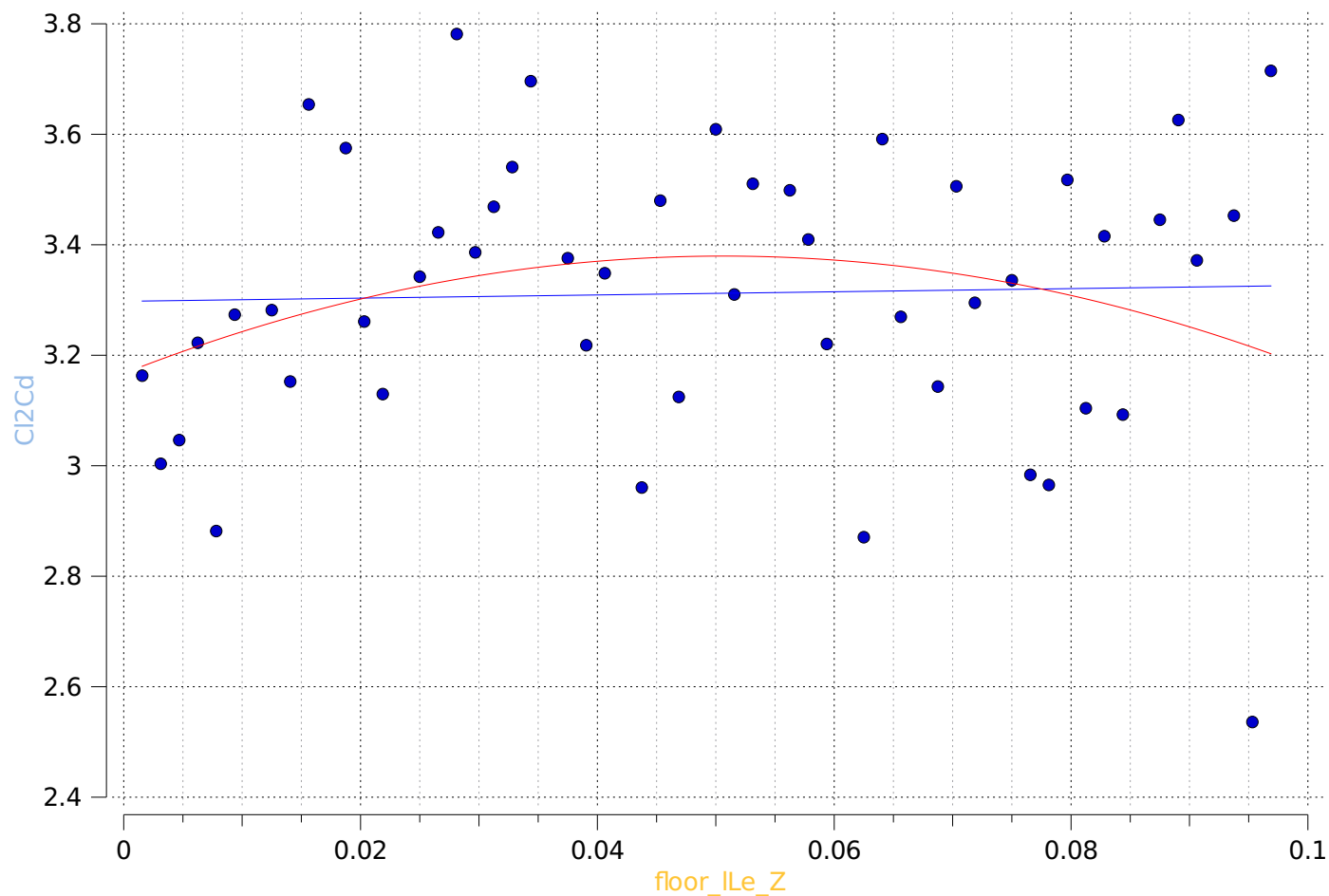
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Design Variable | DVs|fender_Diffopening



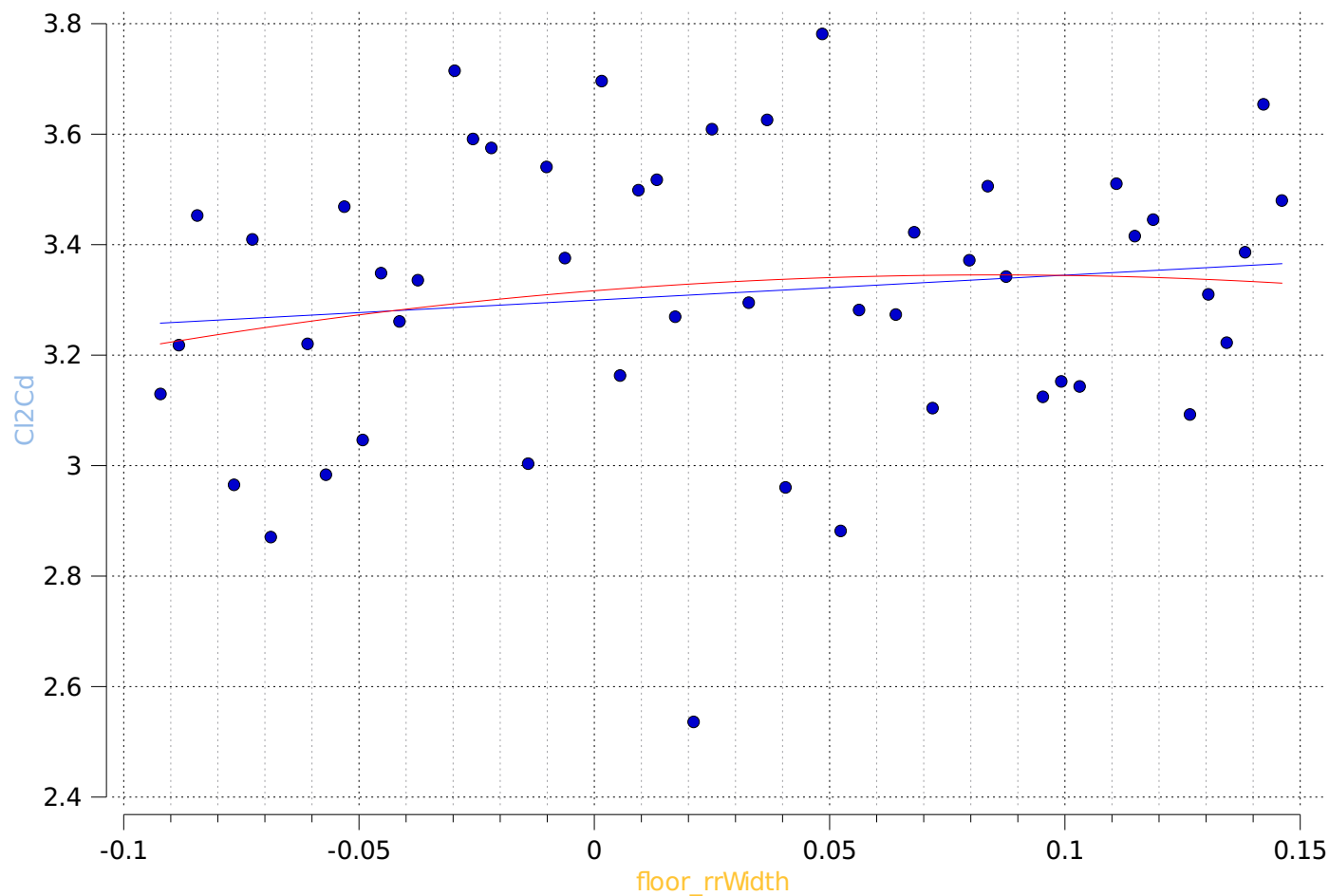
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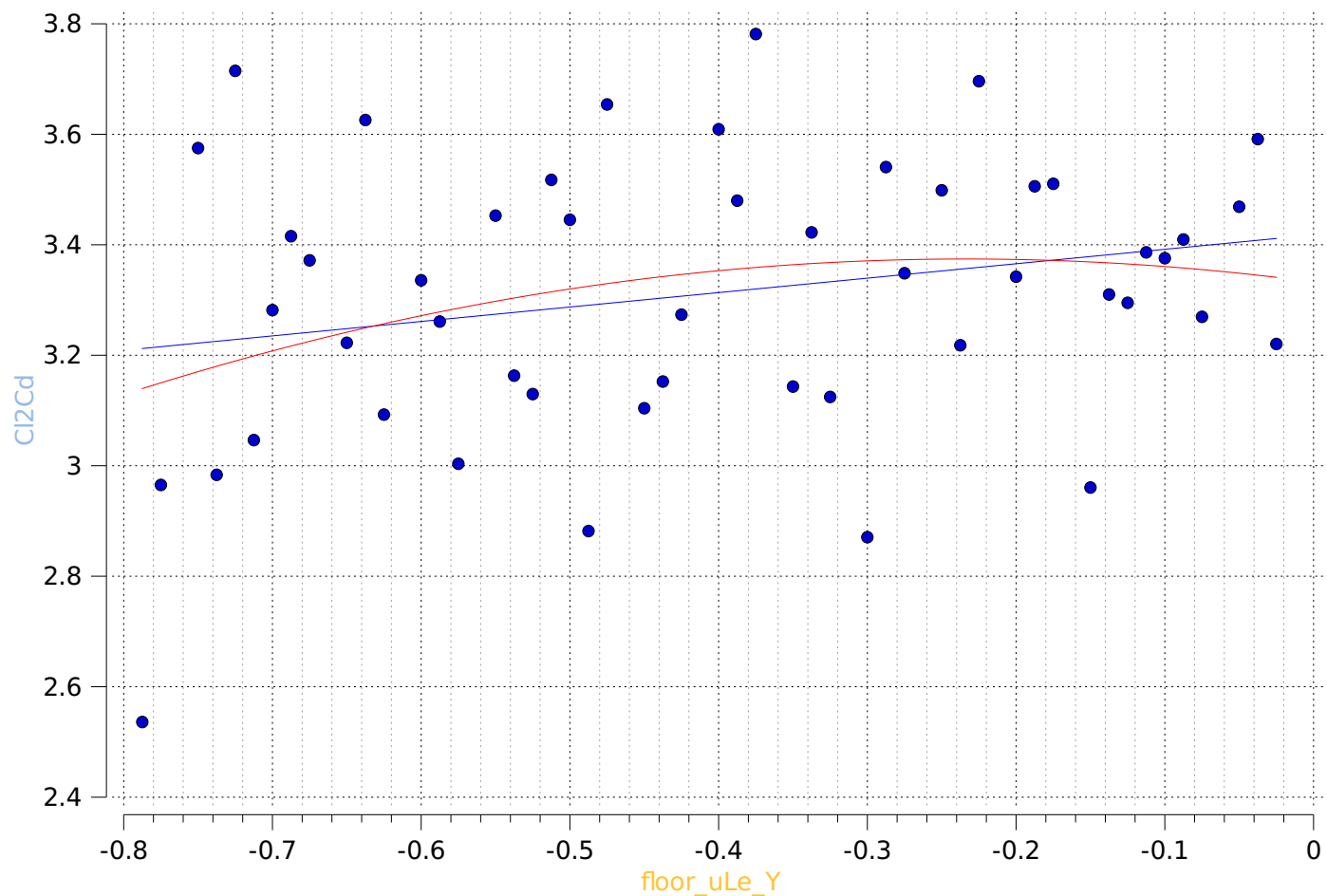
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 Design Variable | DVs|floor_ILe_Z



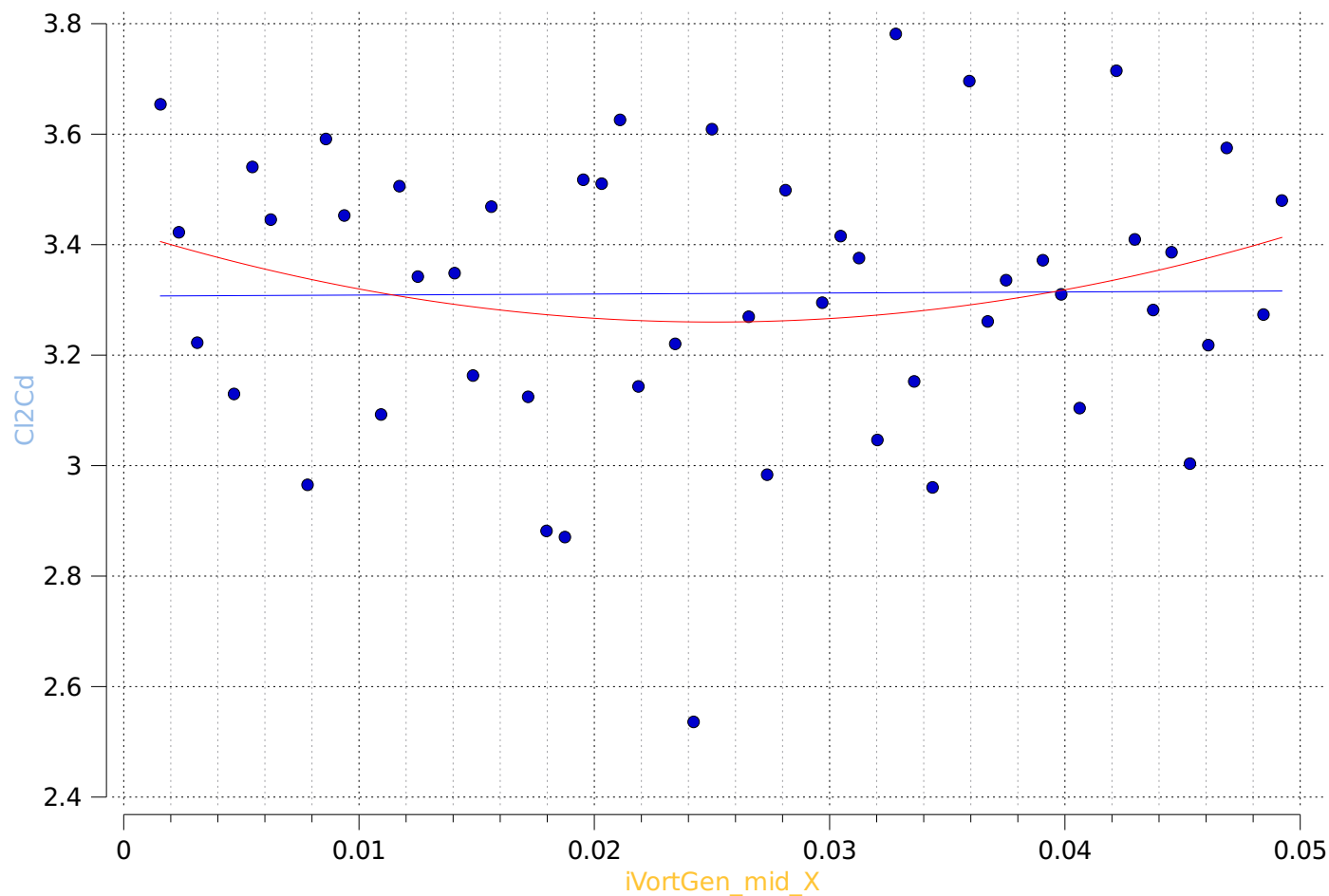
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 Design Variable | DVs|floor_rrWidth



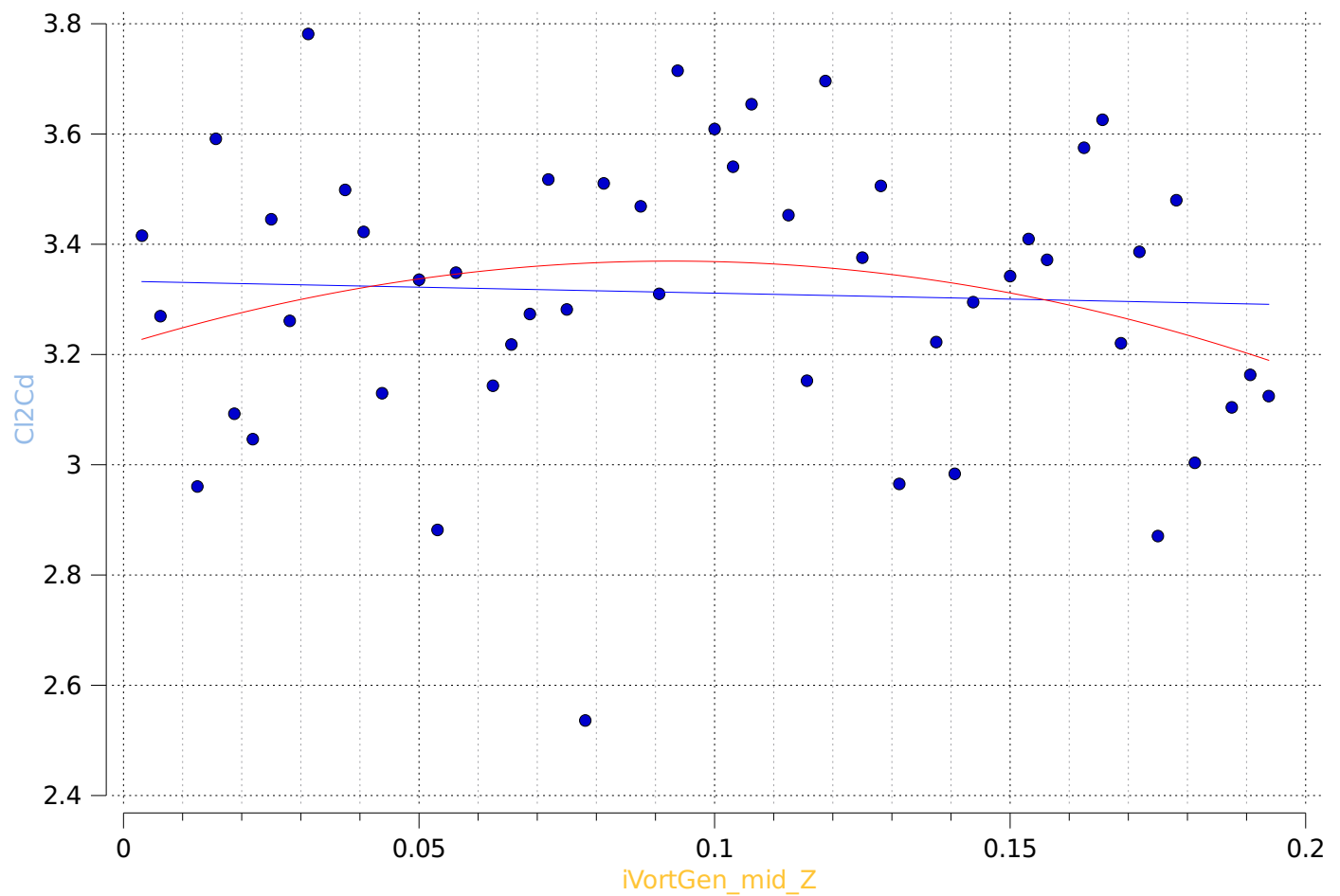
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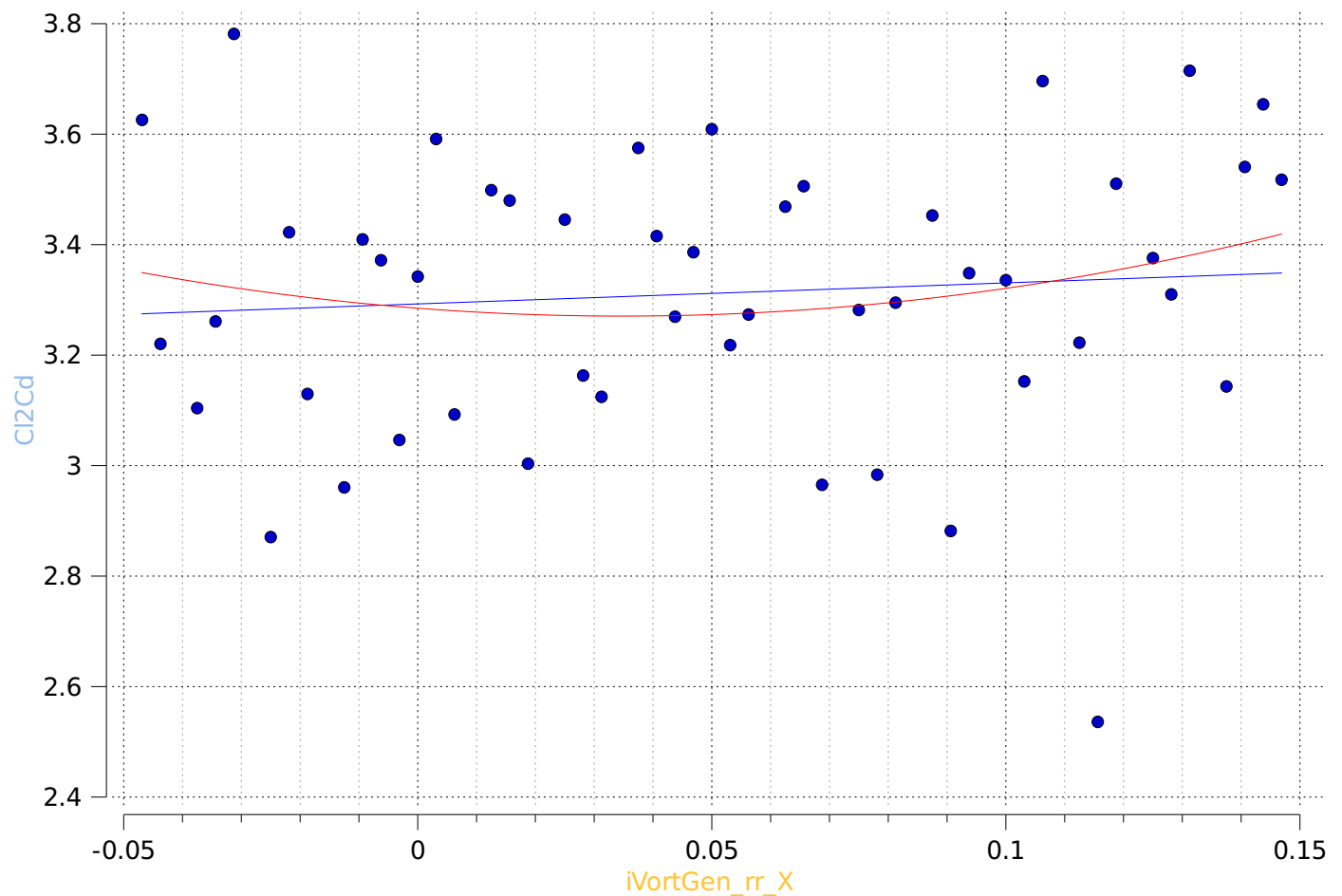
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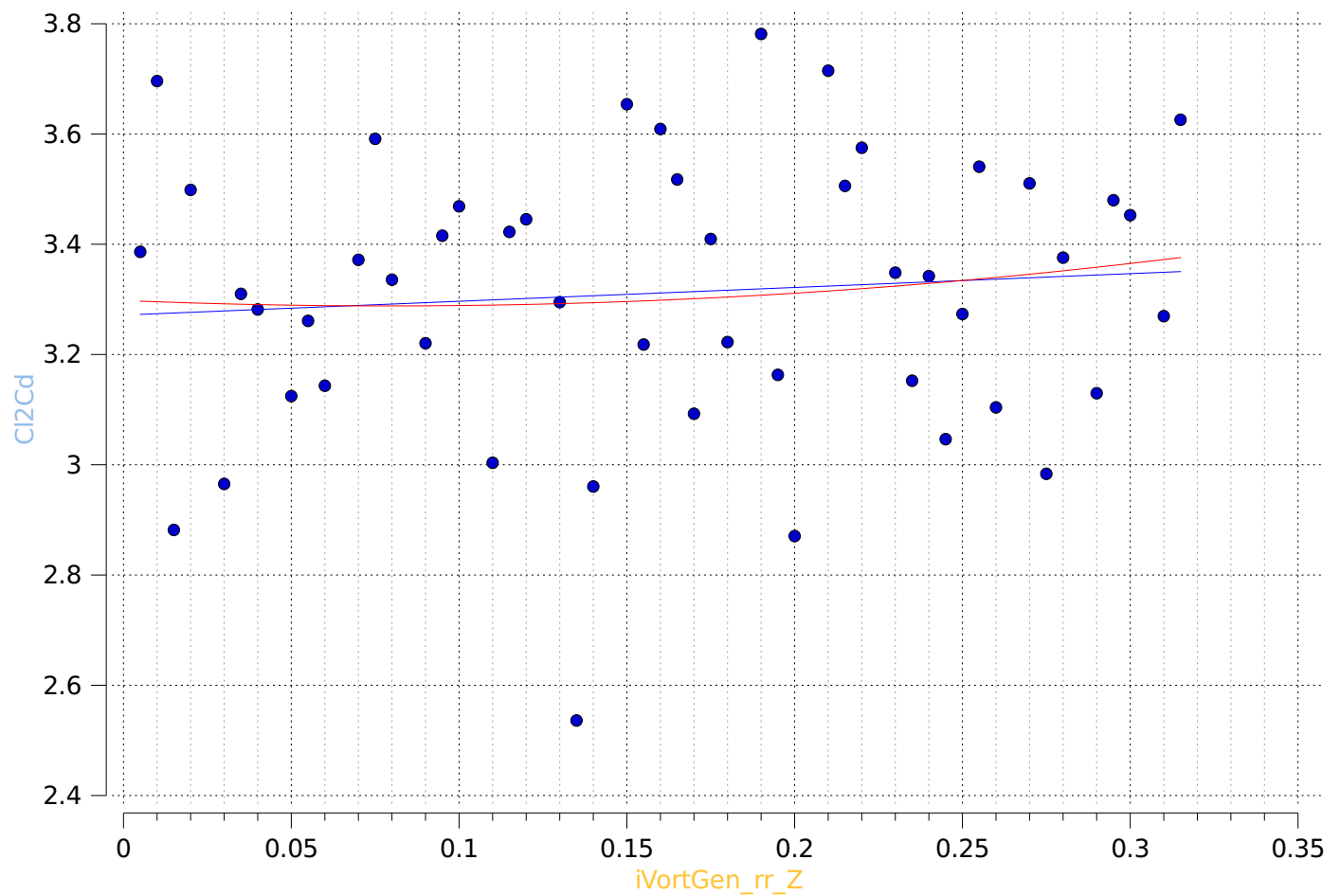
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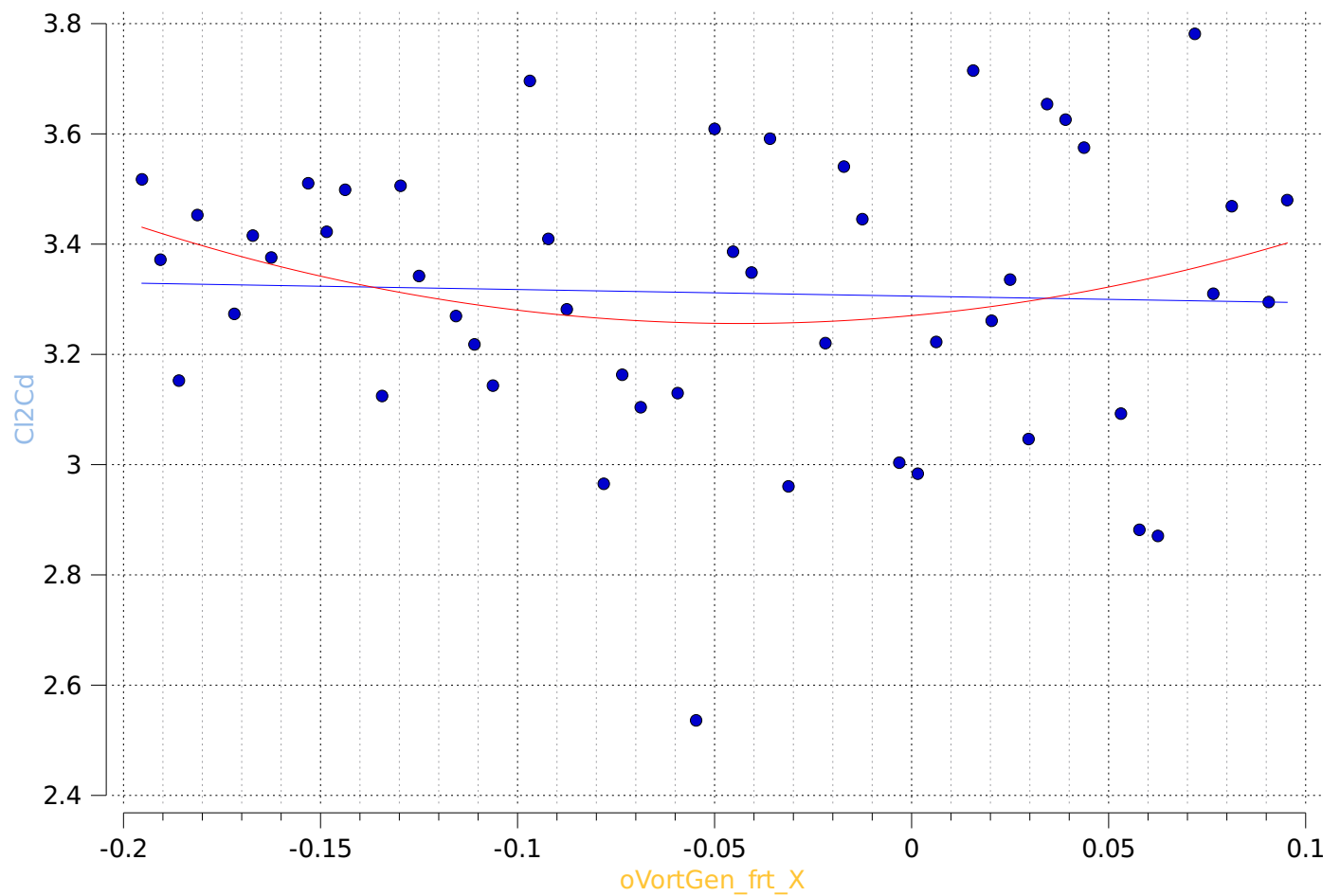
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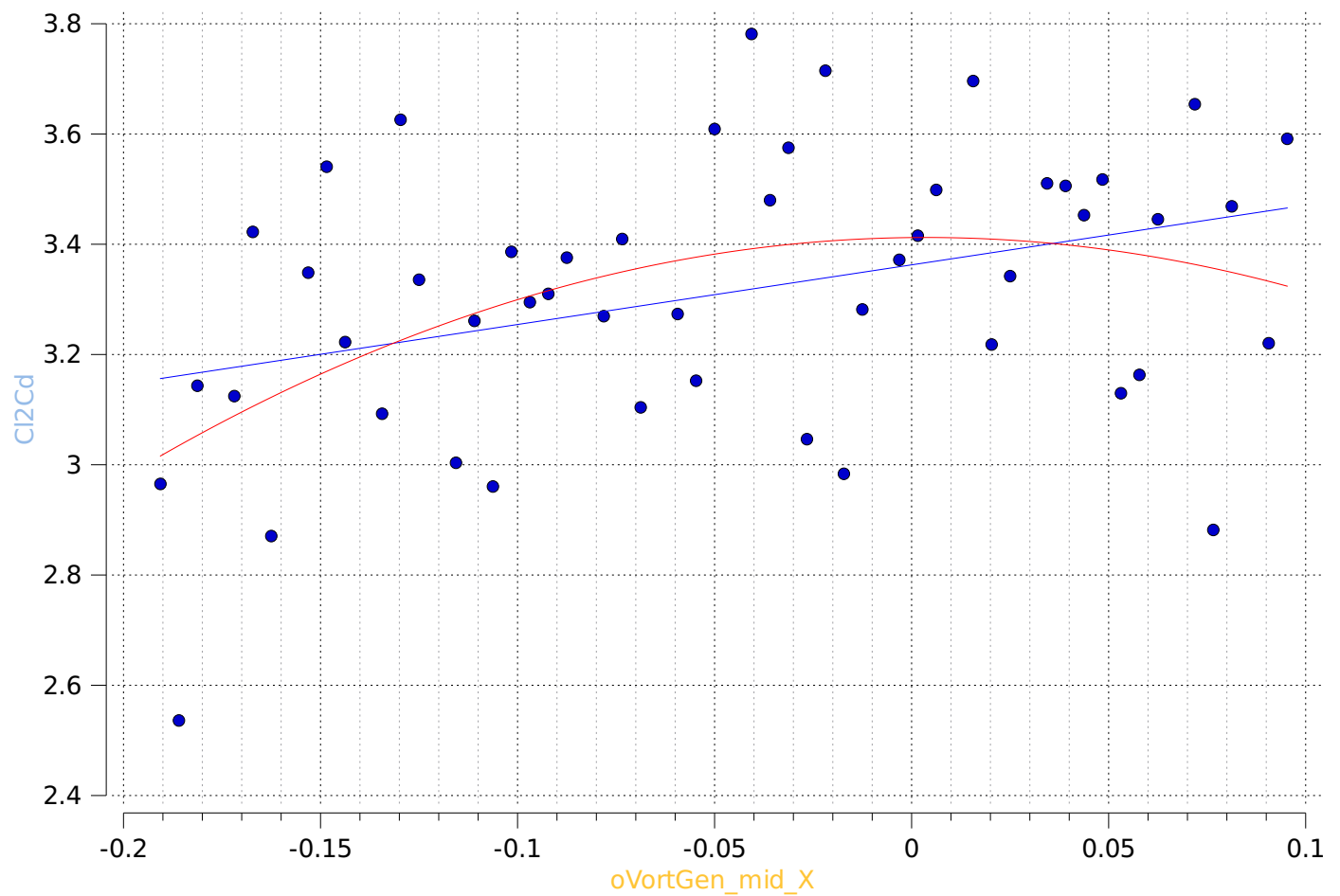
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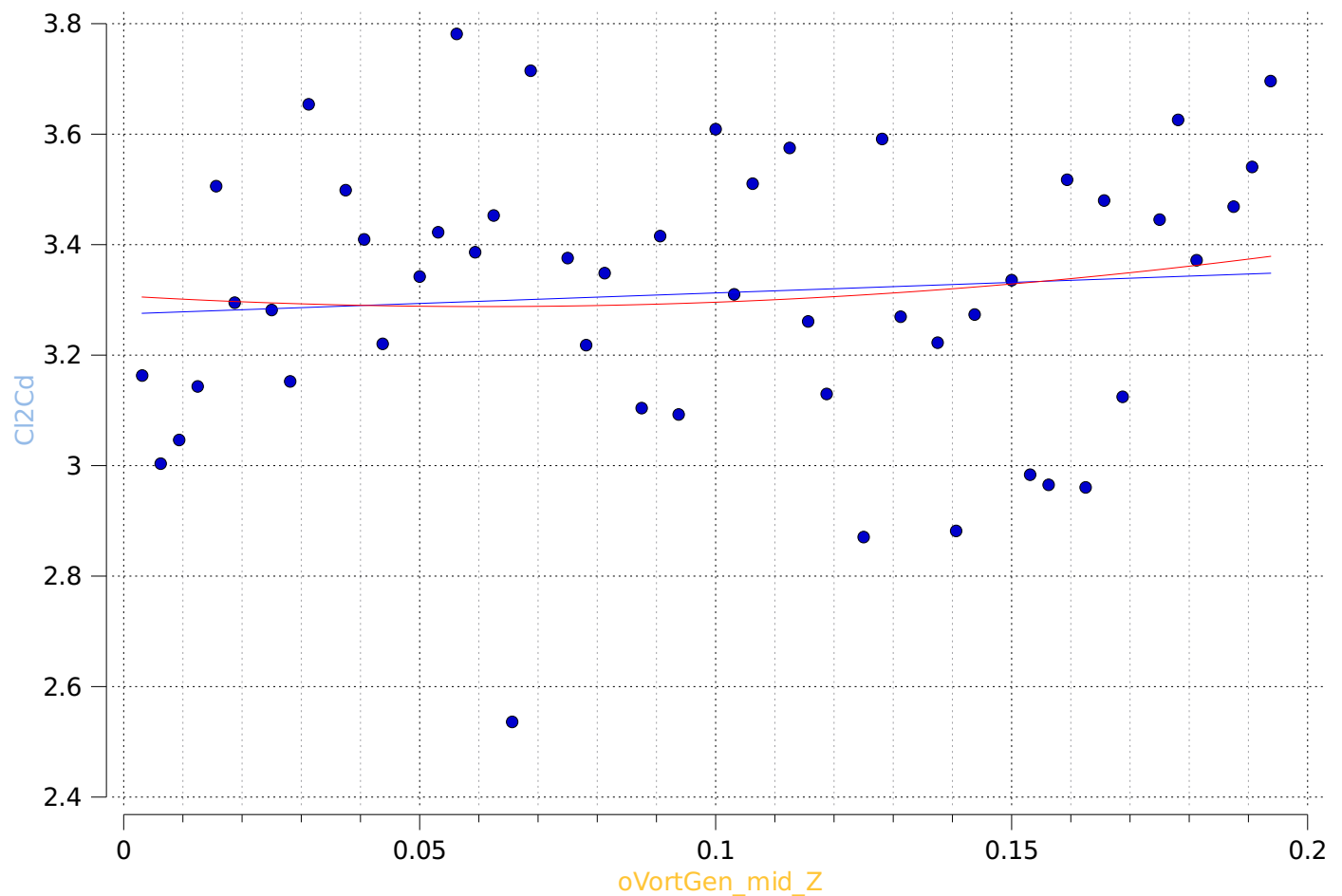
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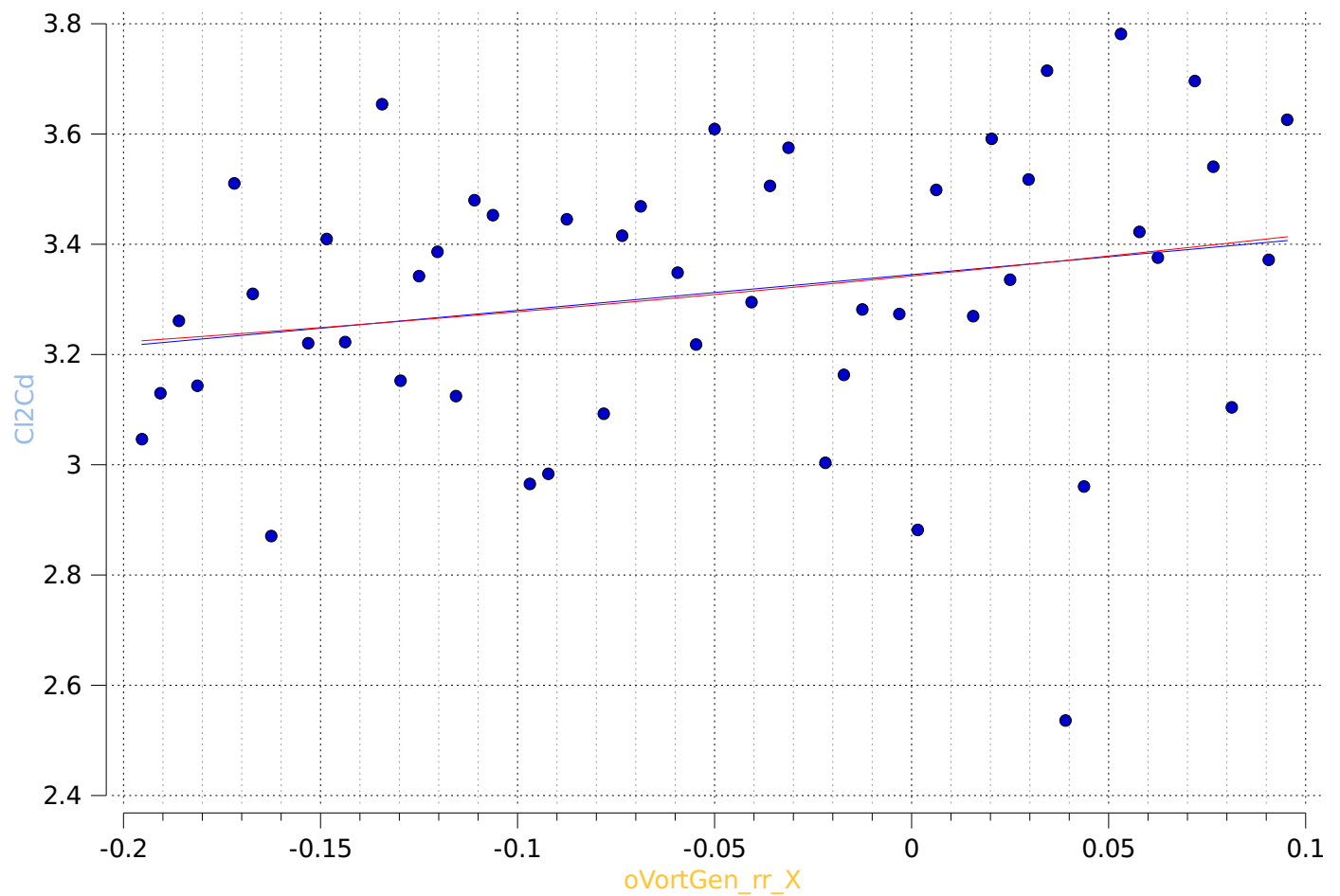
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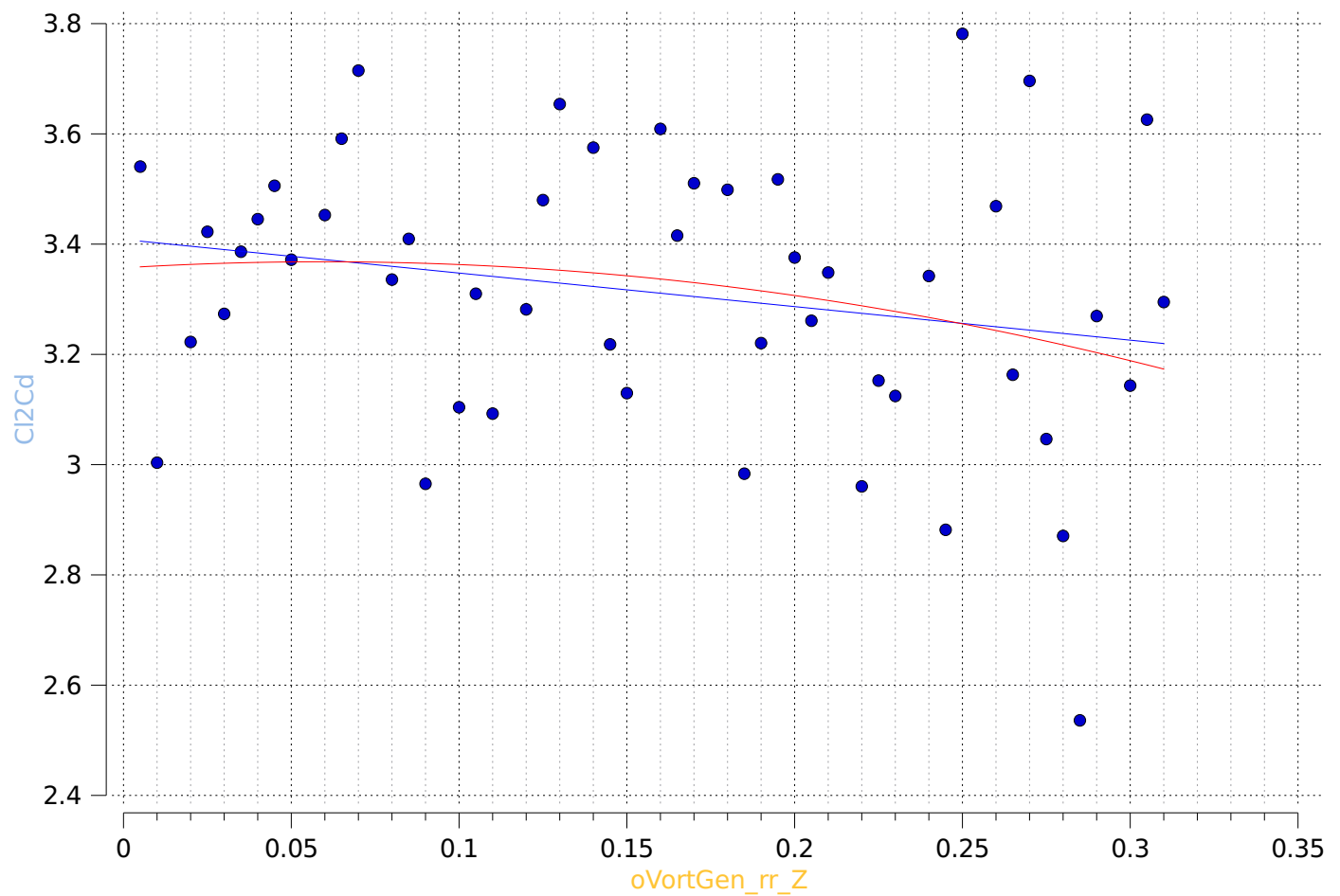
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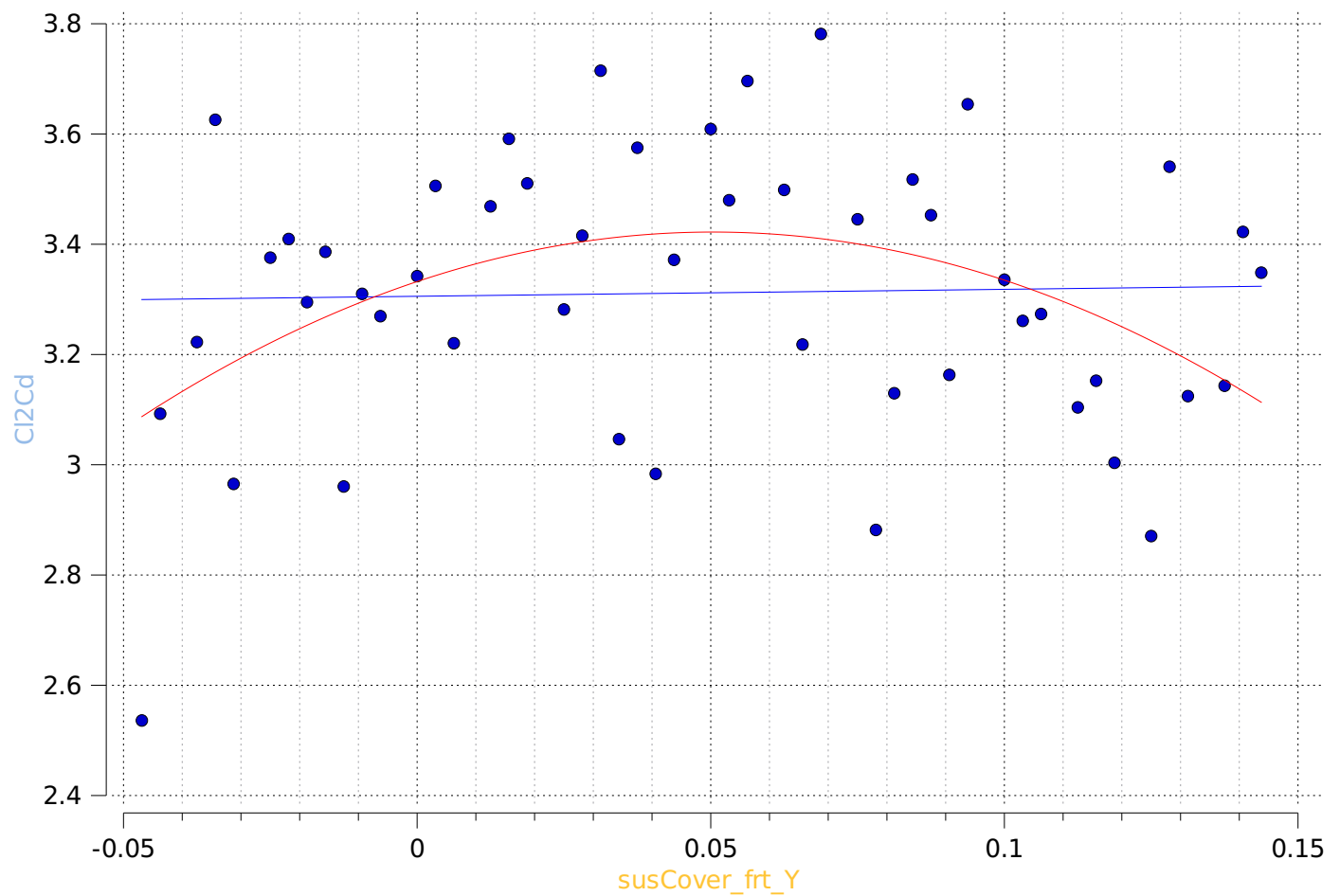
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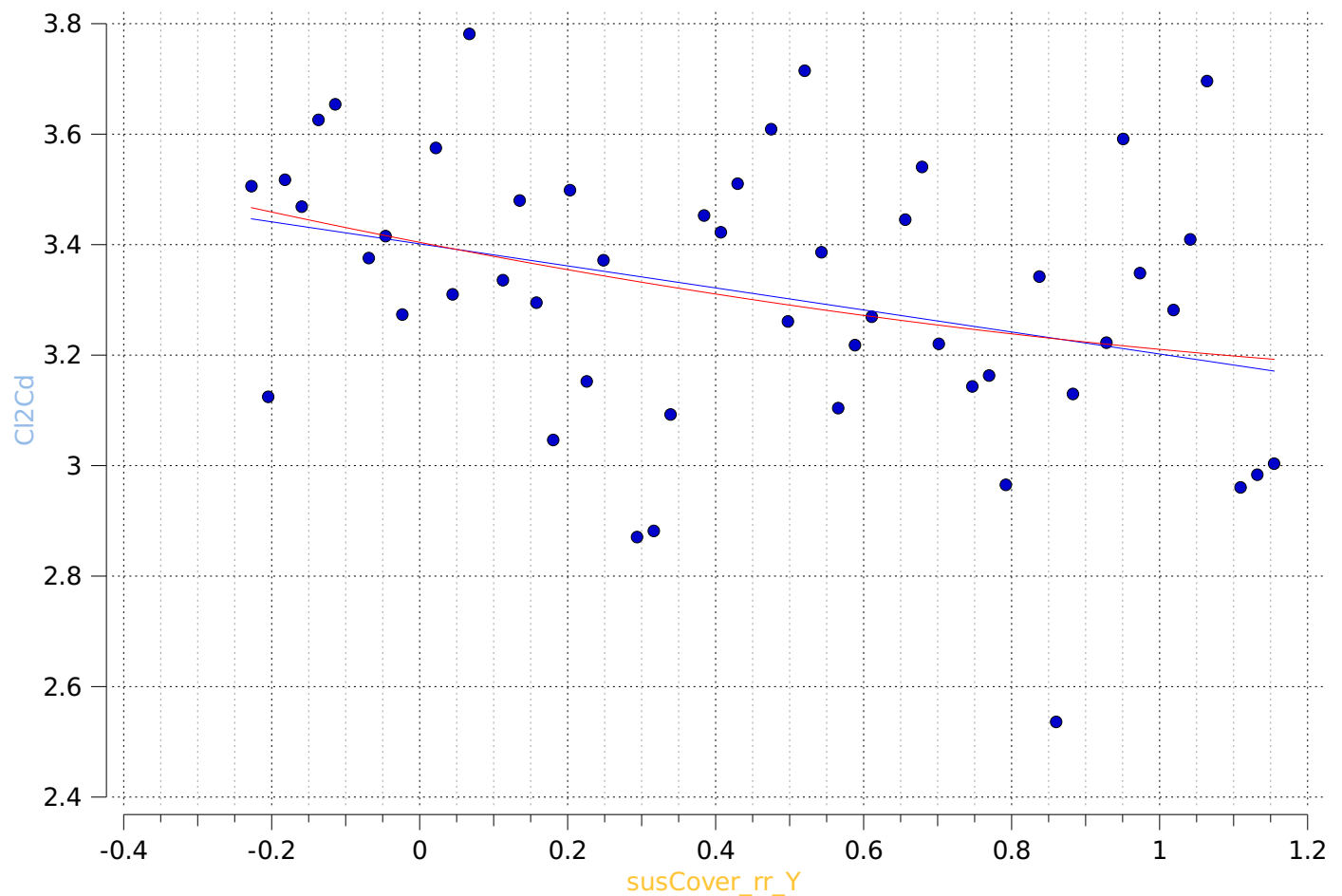
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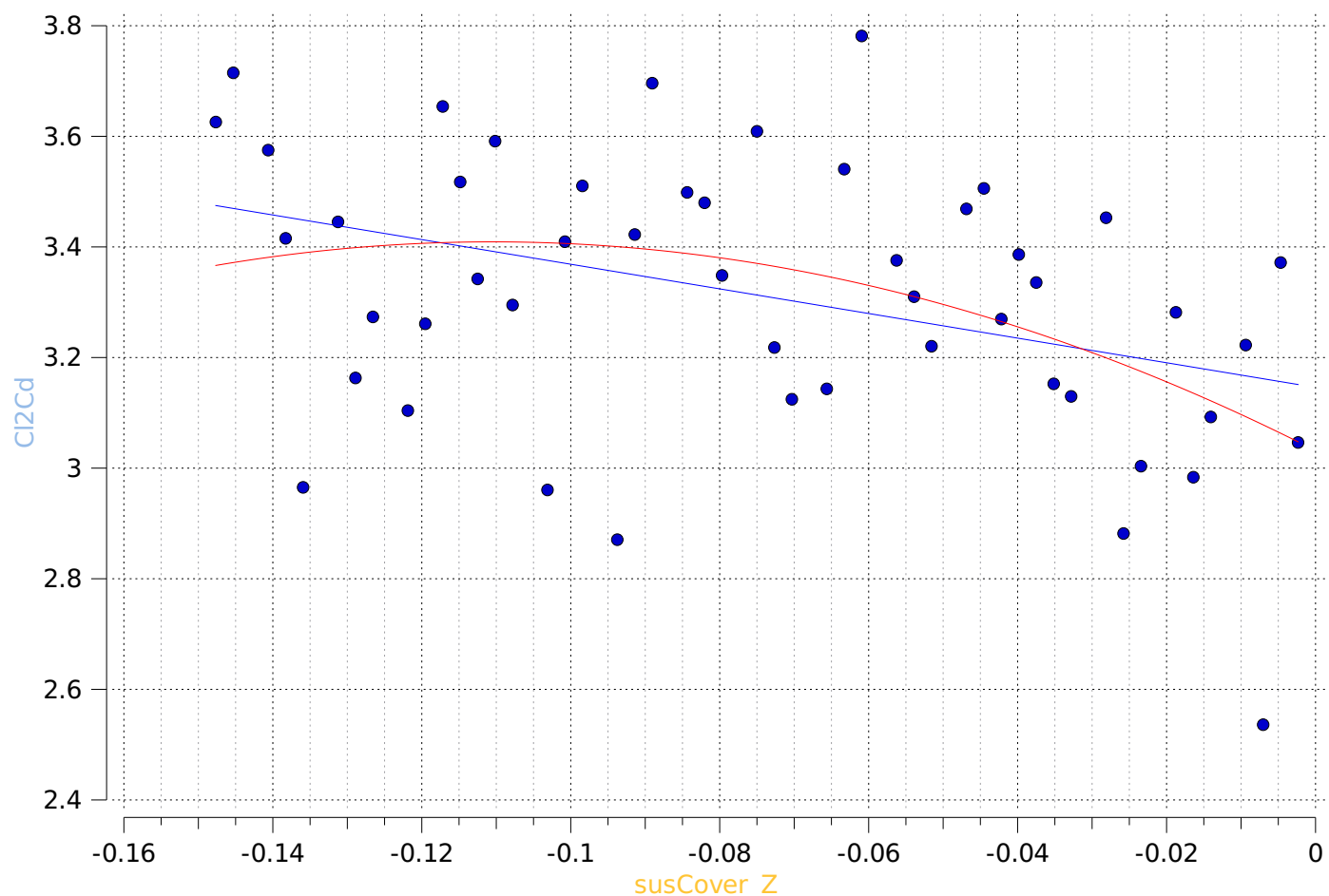
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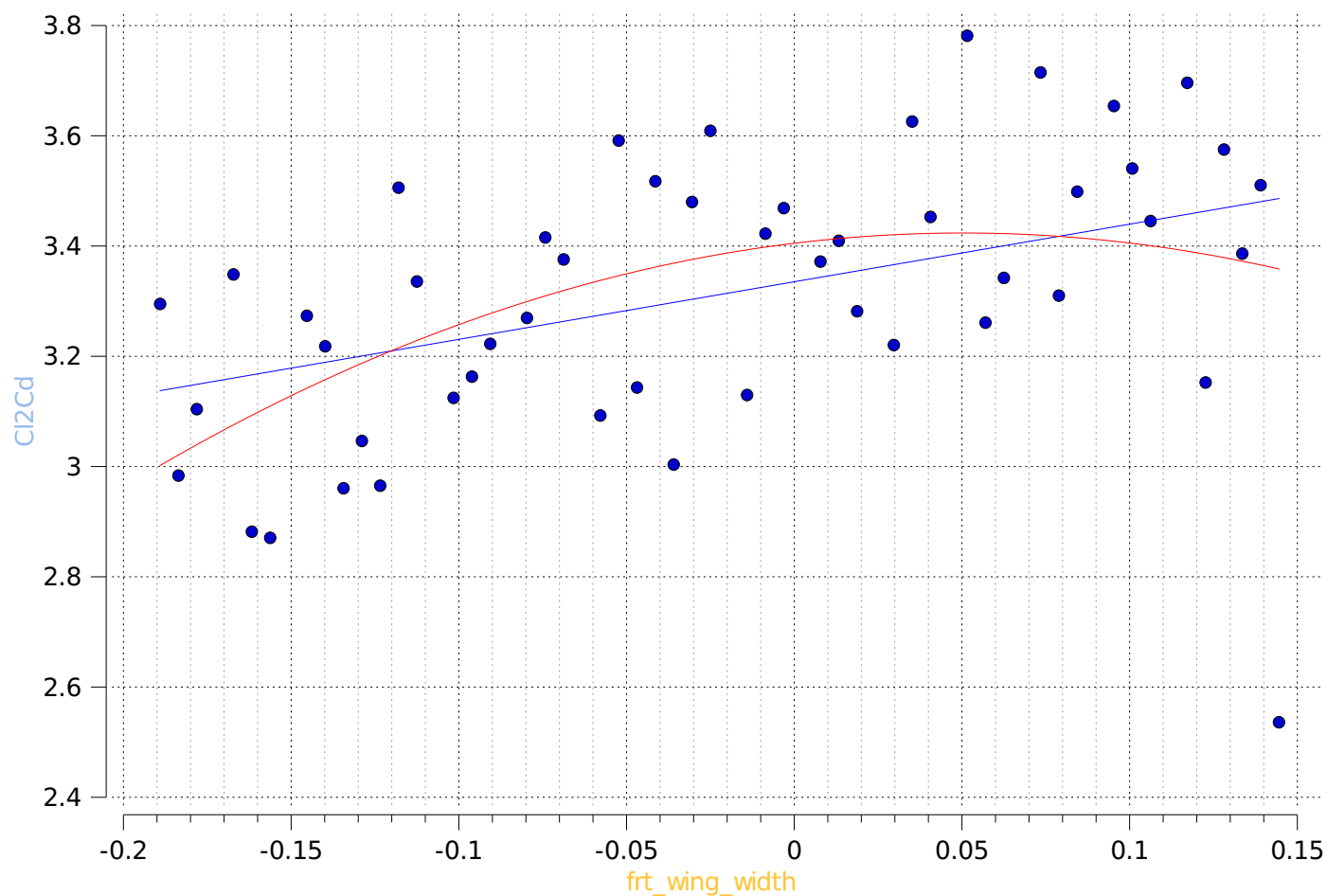
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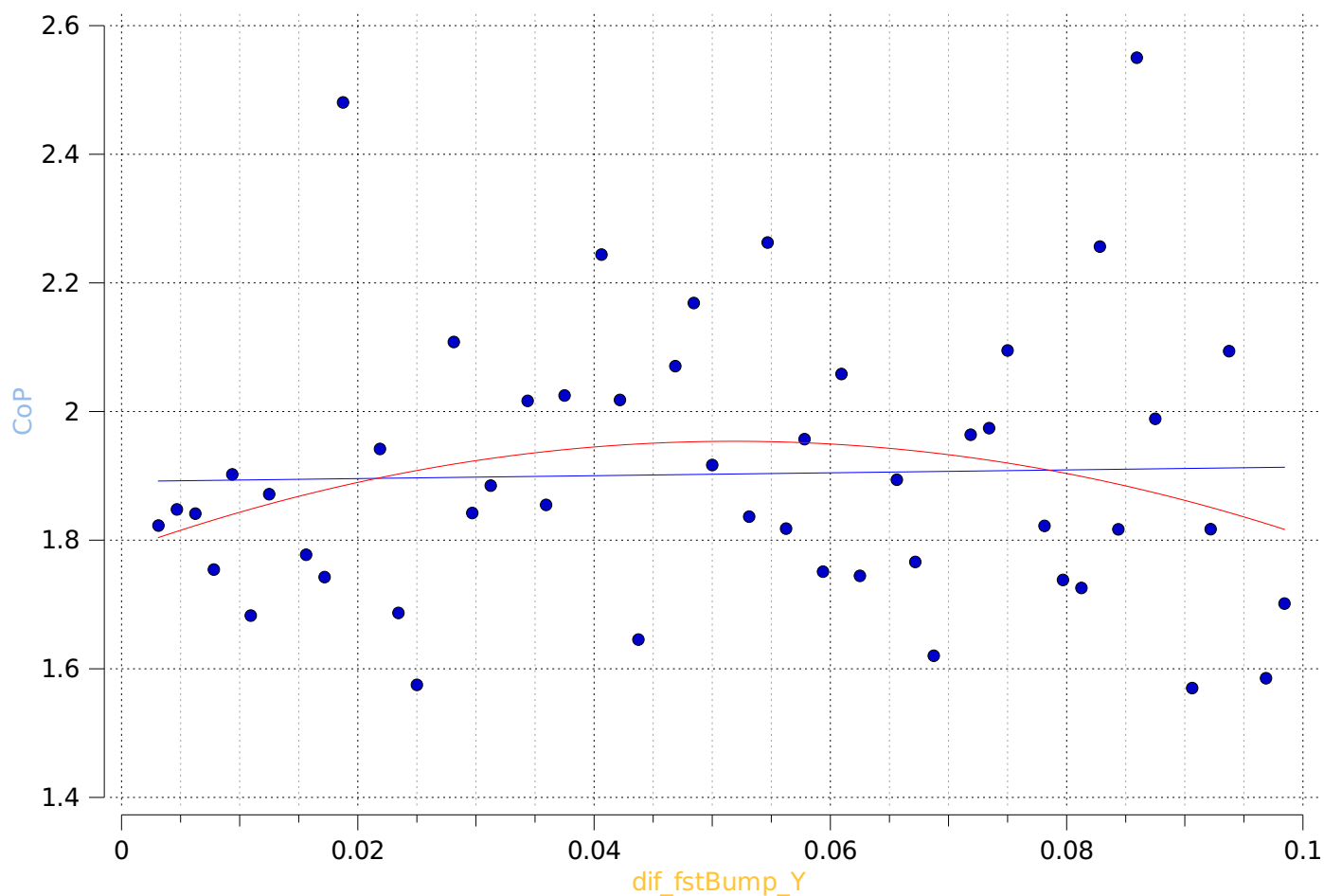
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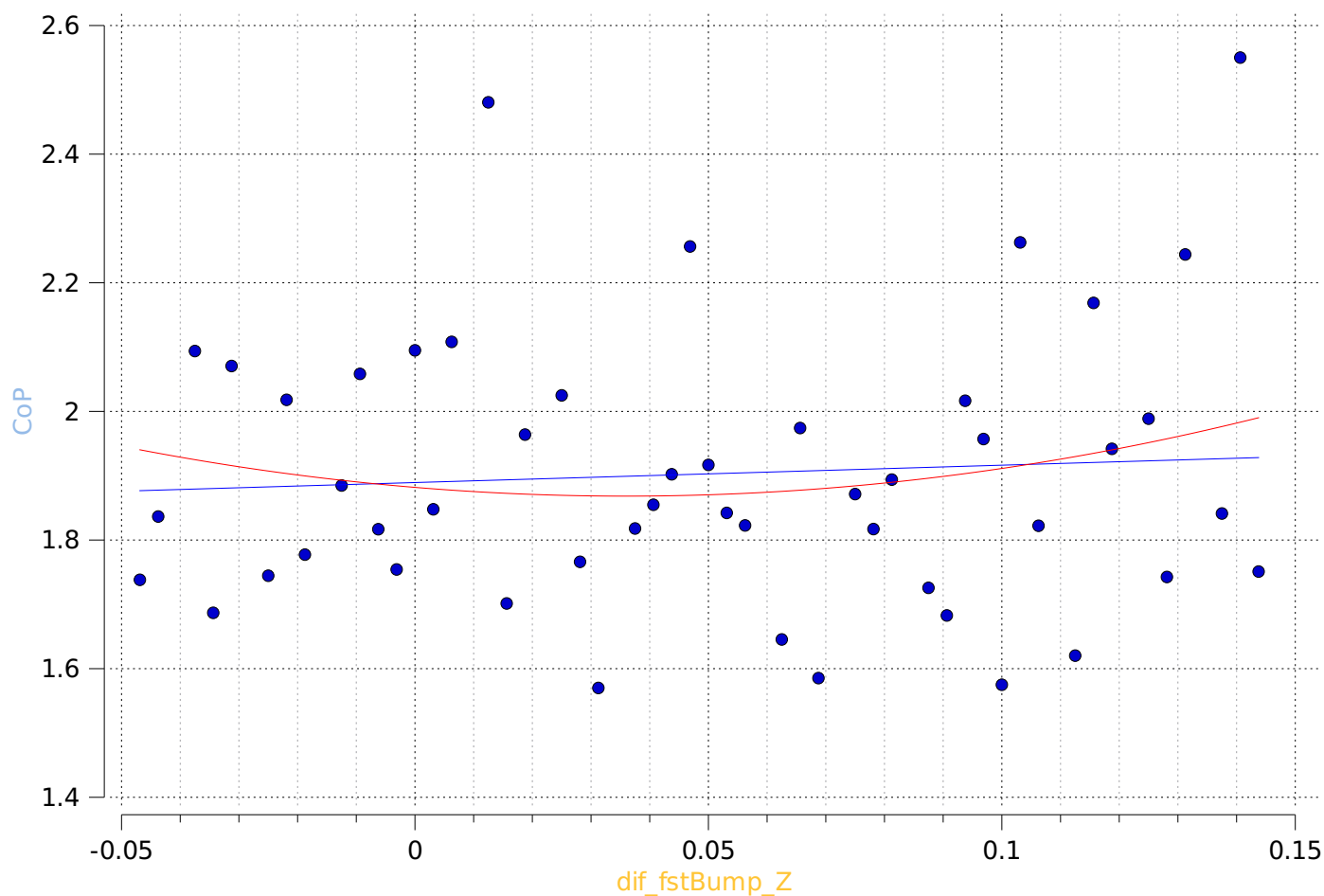
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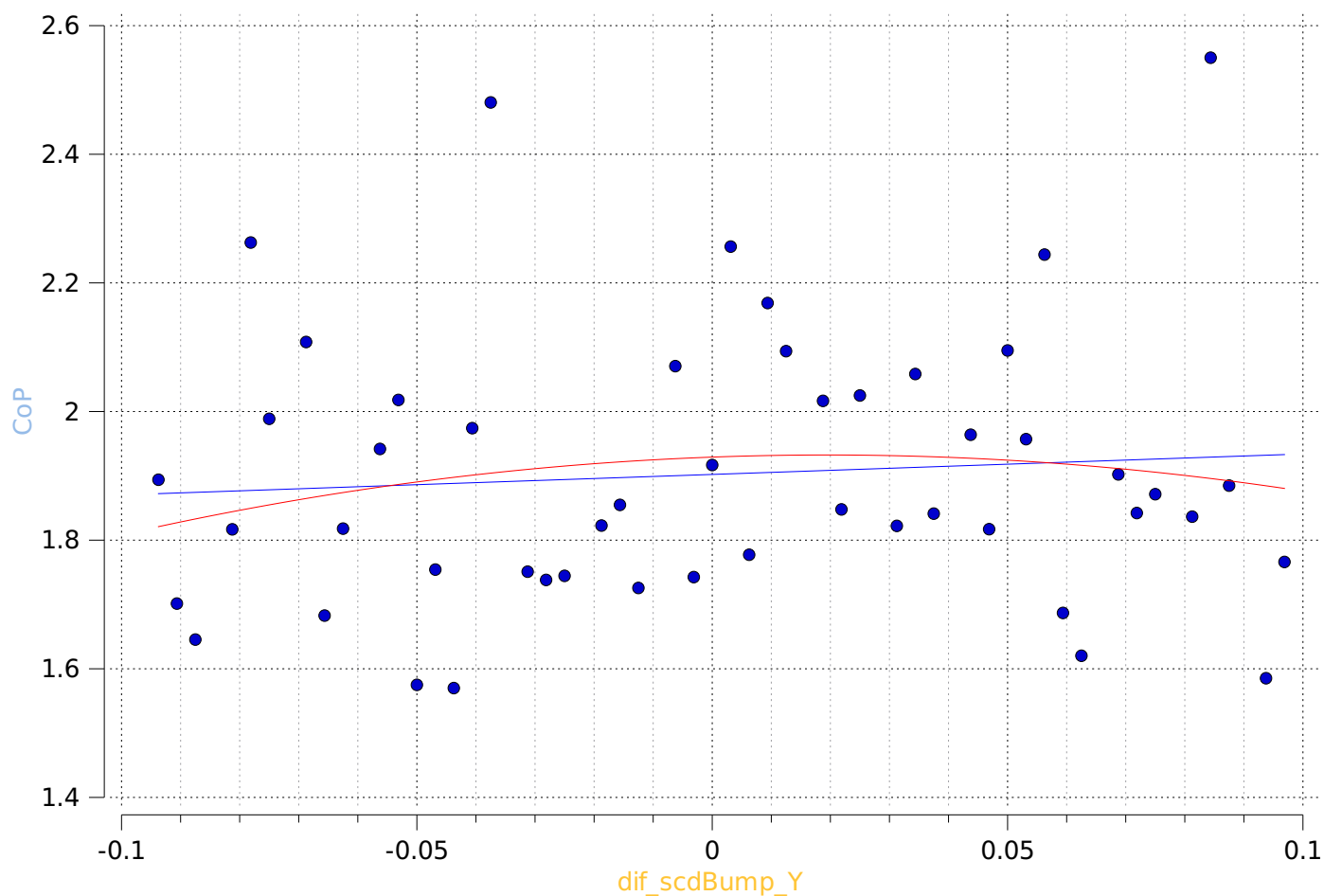
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Design Variable |DVs|dif_fstBump_Y



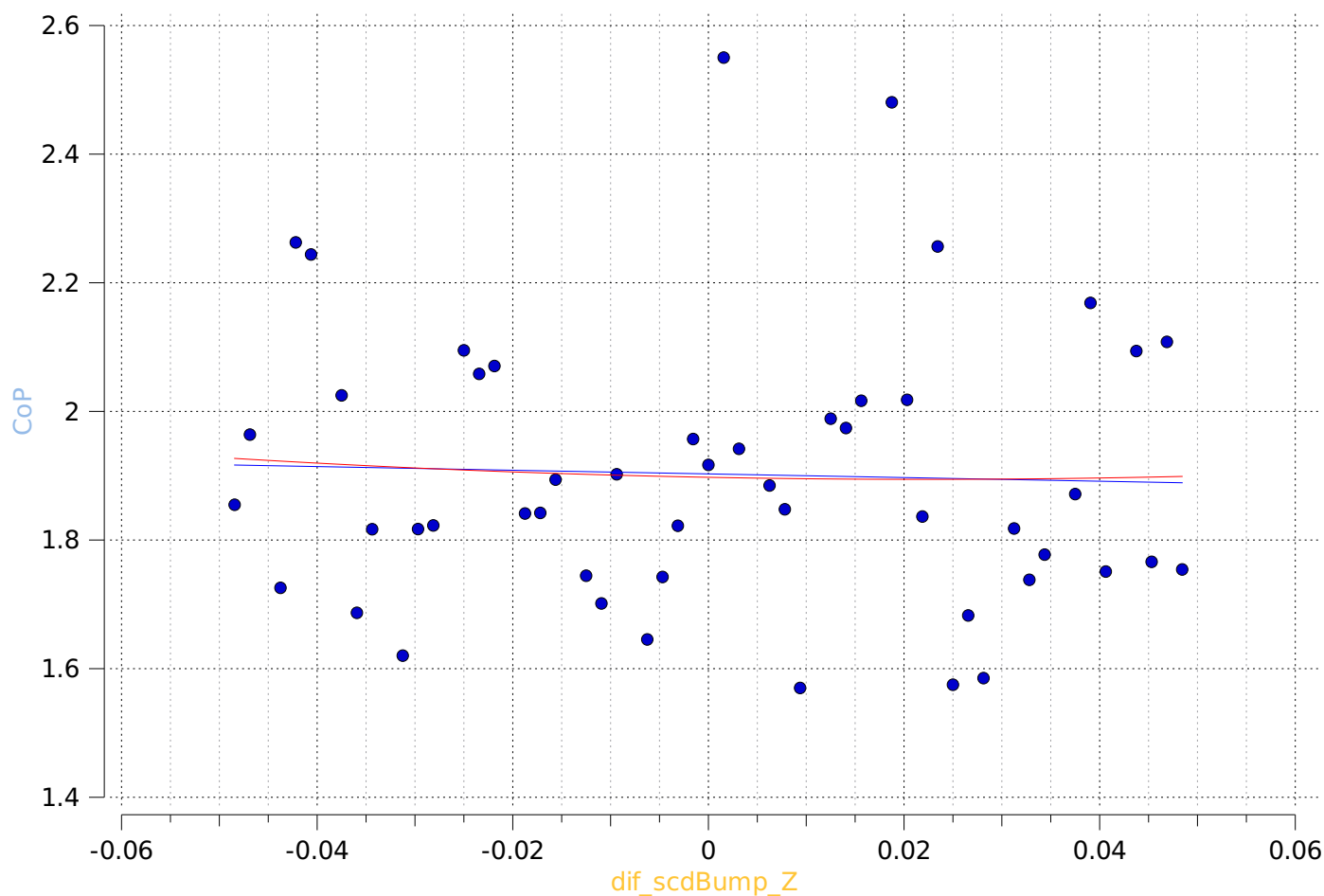
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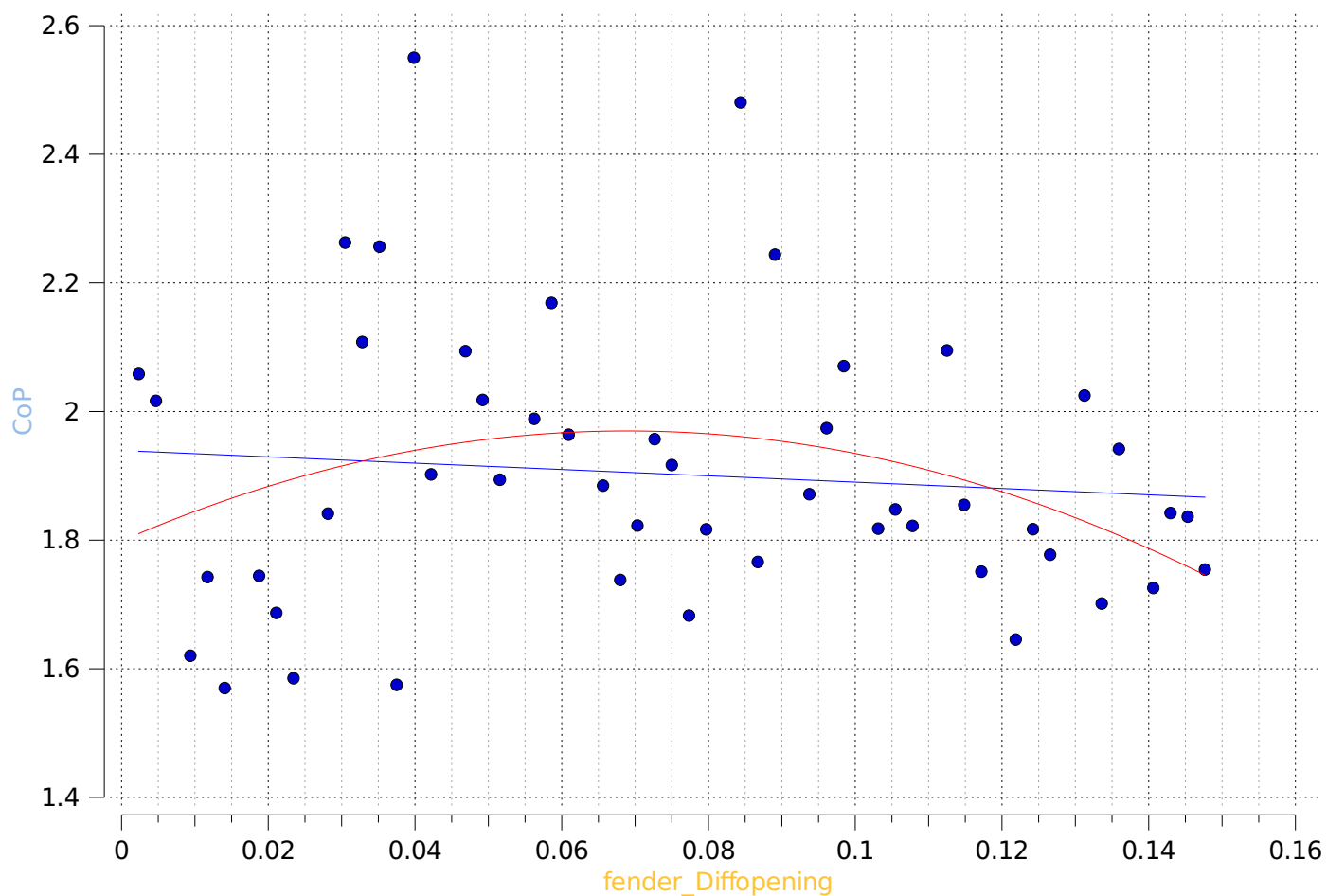
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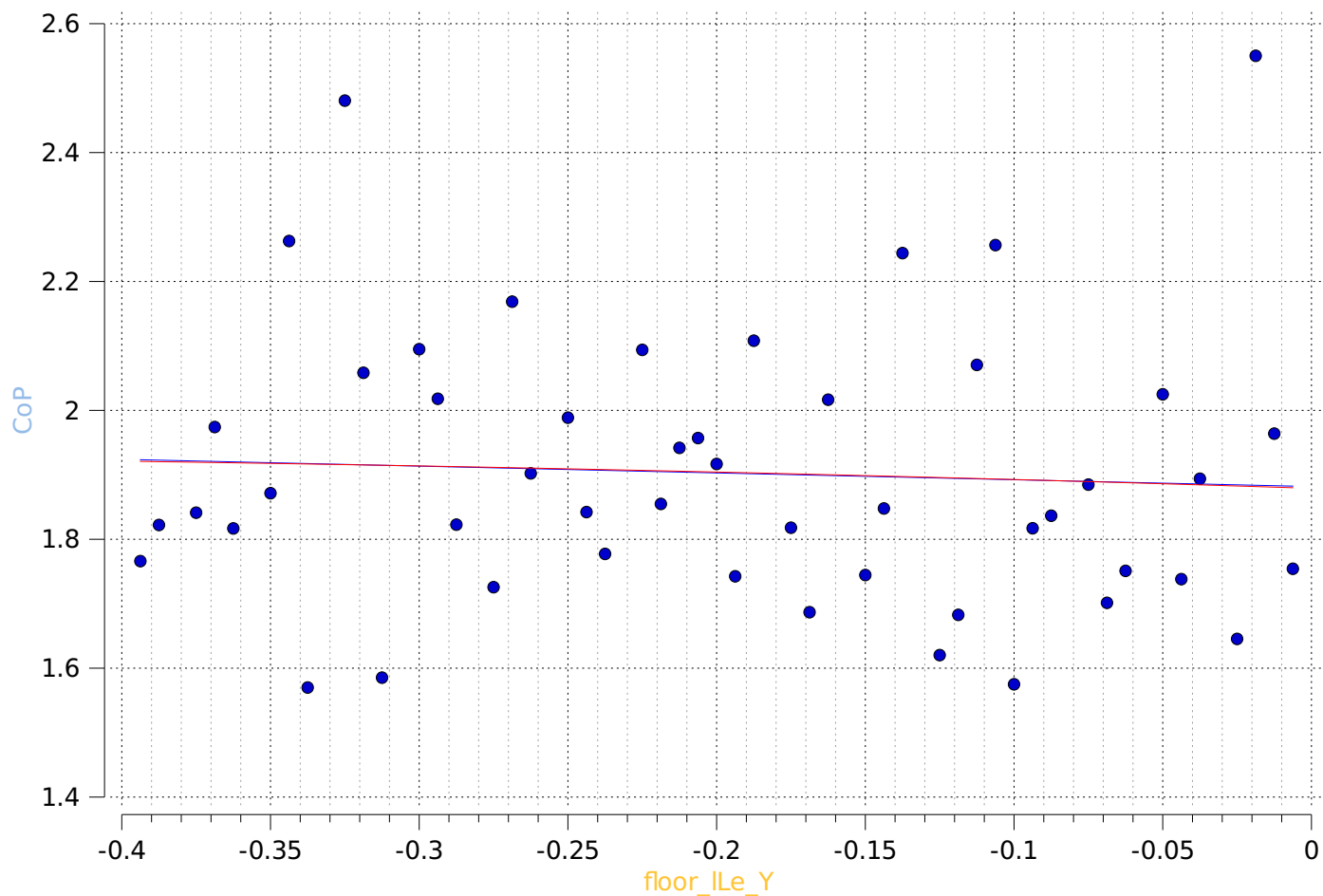
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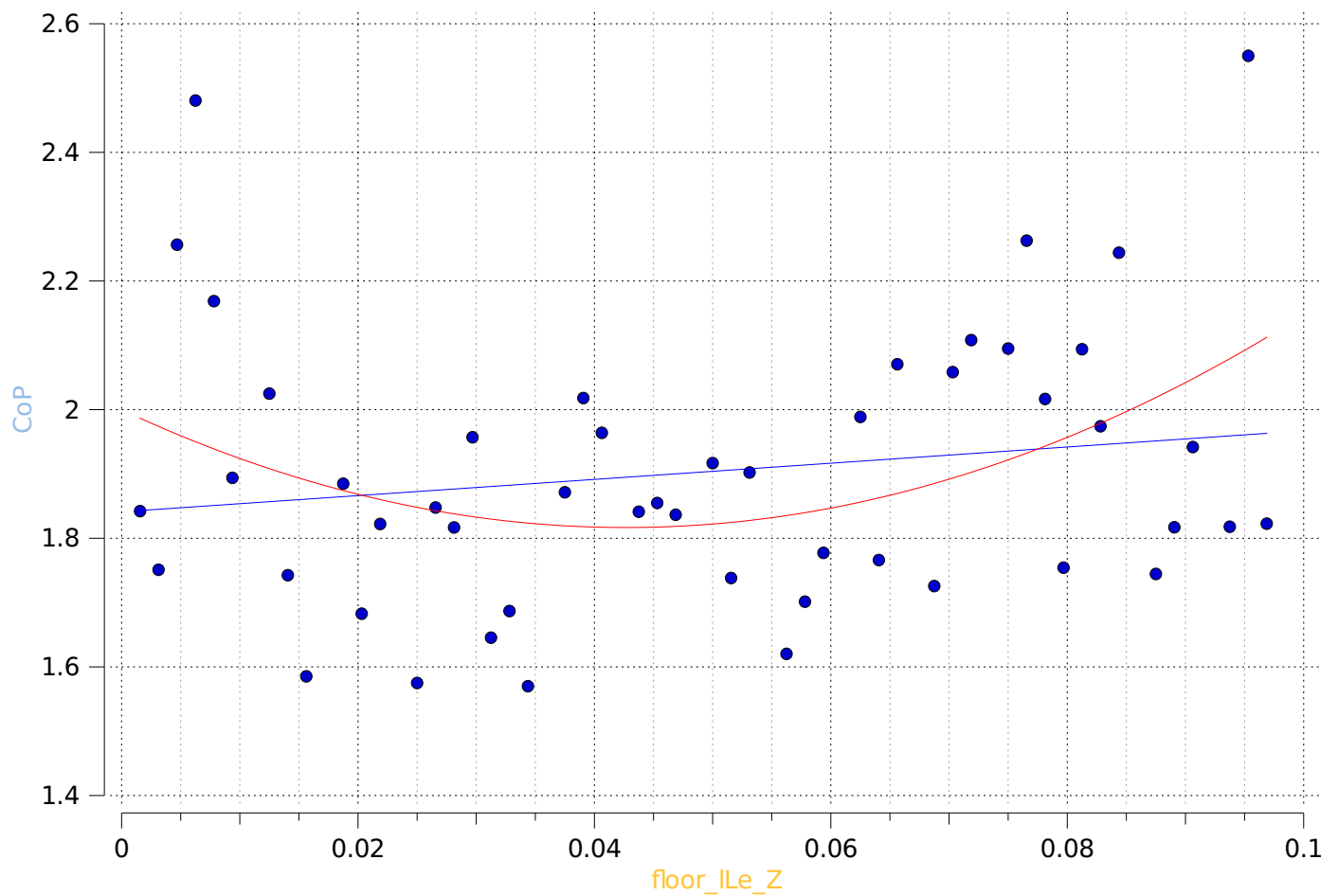
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Design Variable |DVs|fender_Diffopening



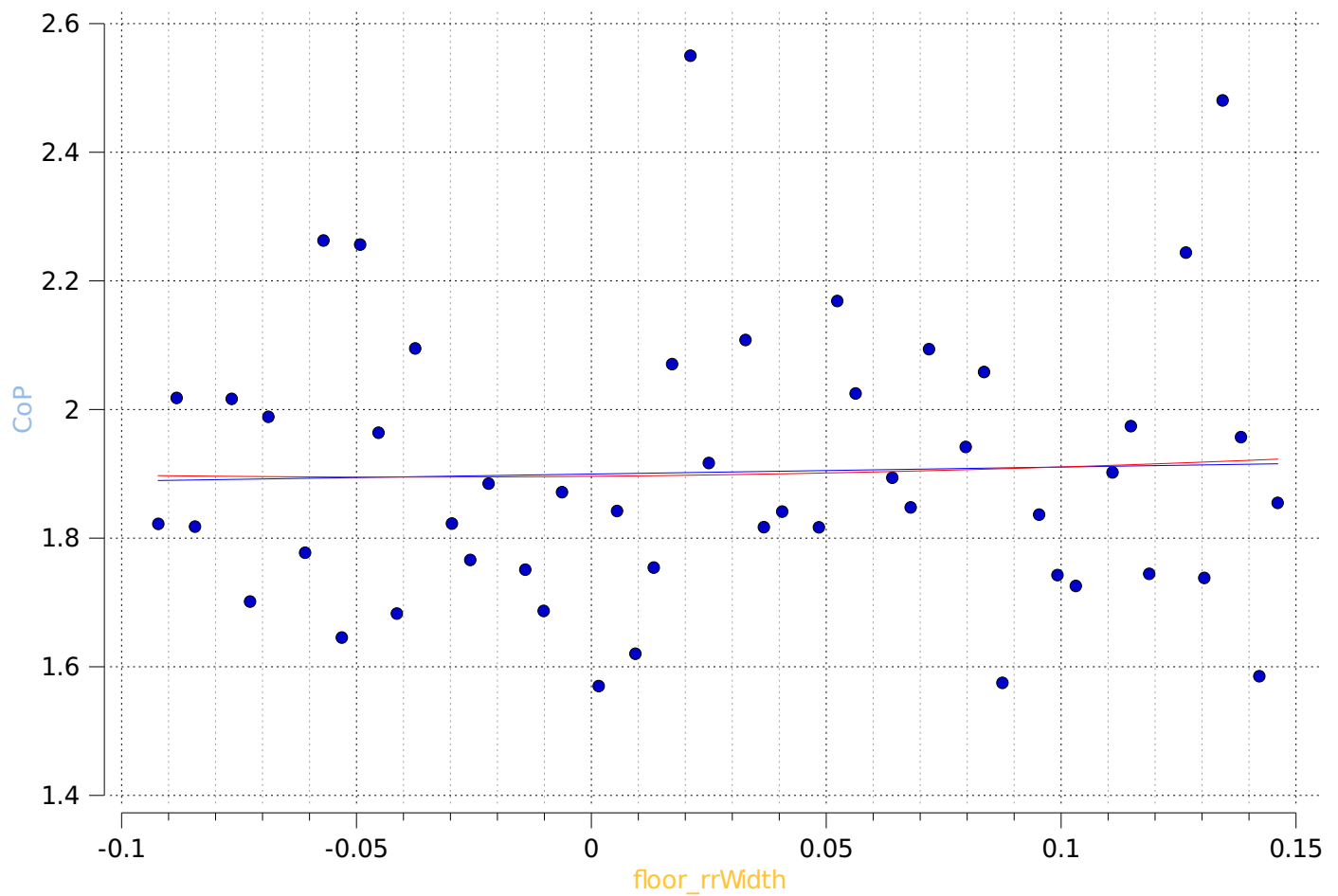
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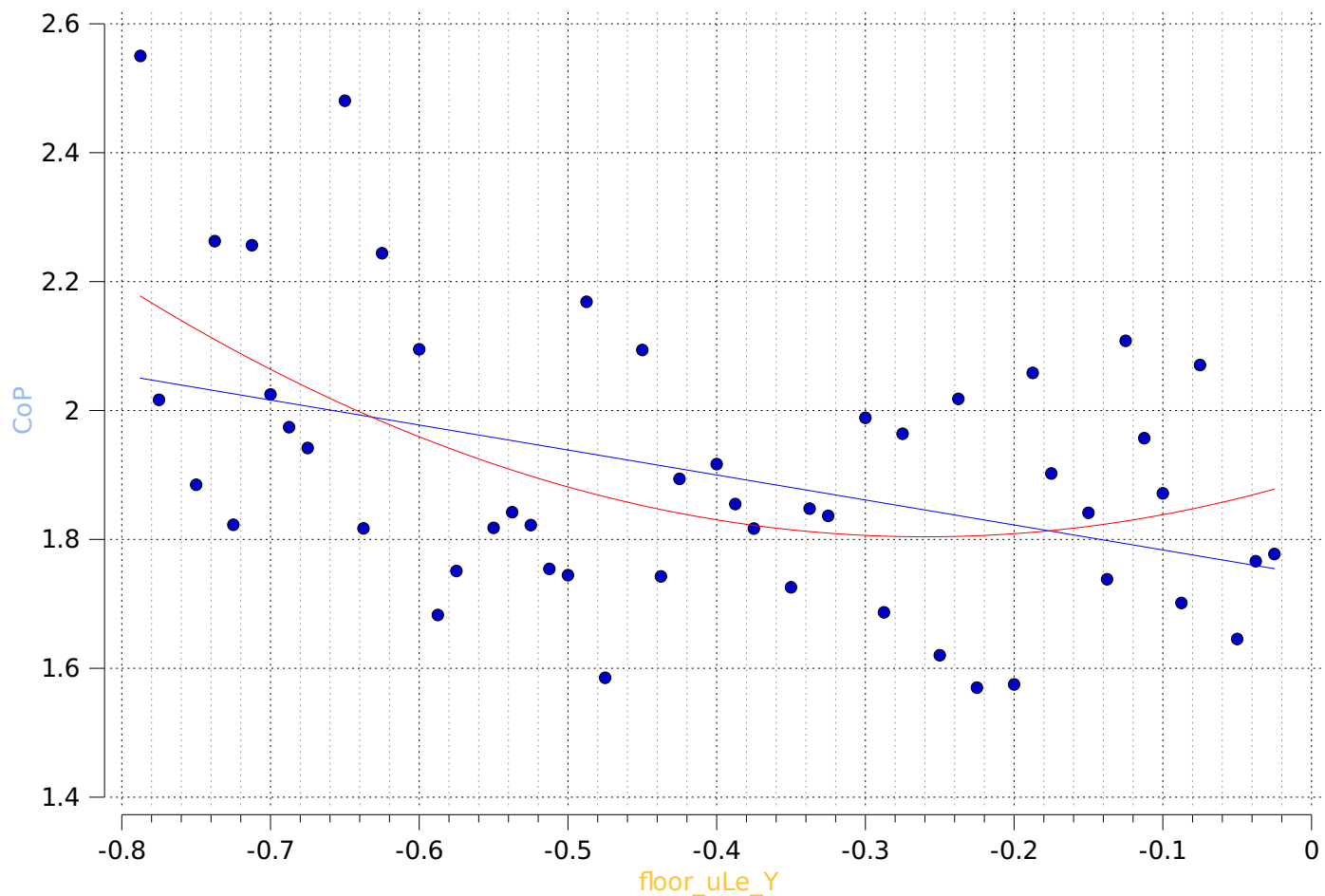
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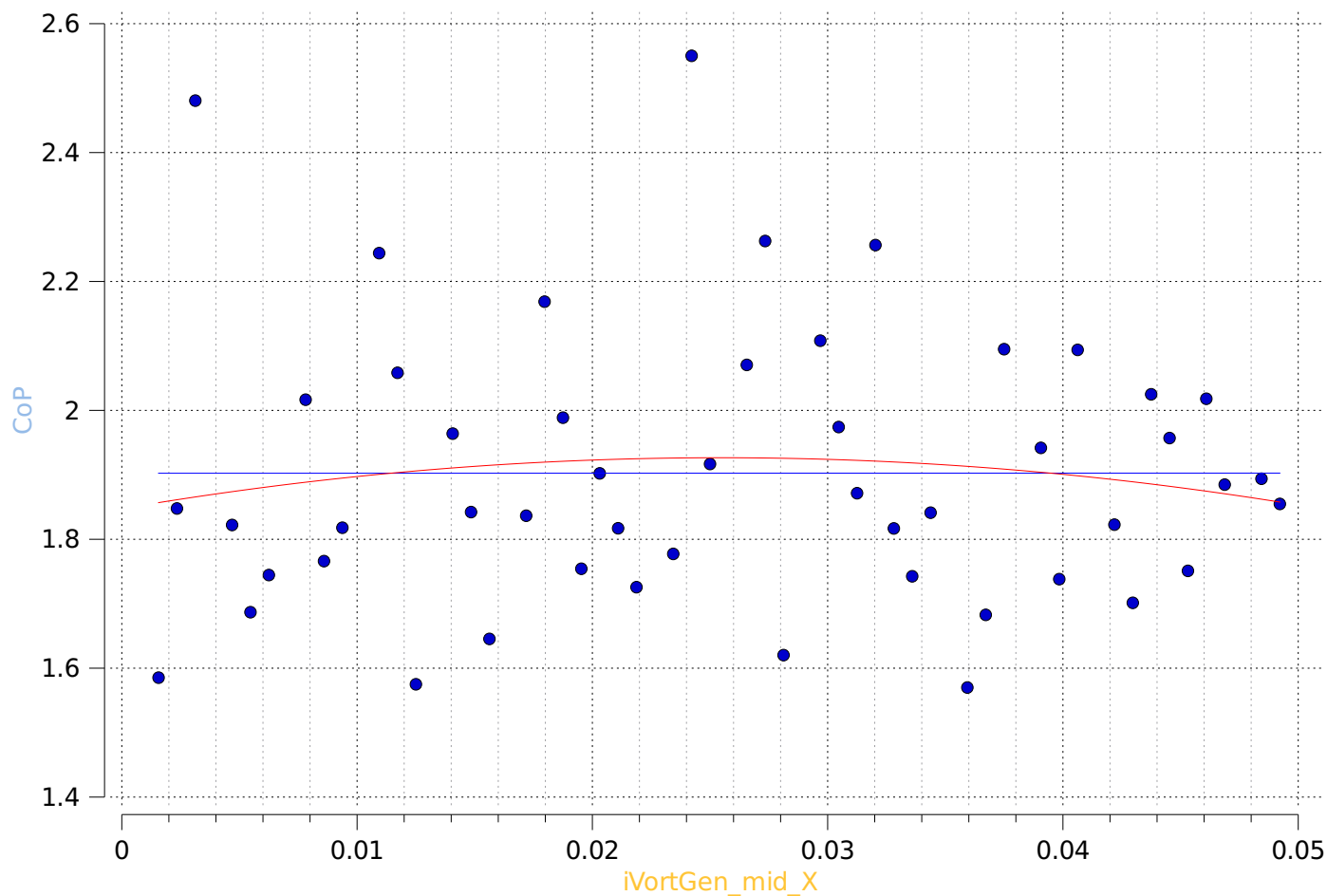
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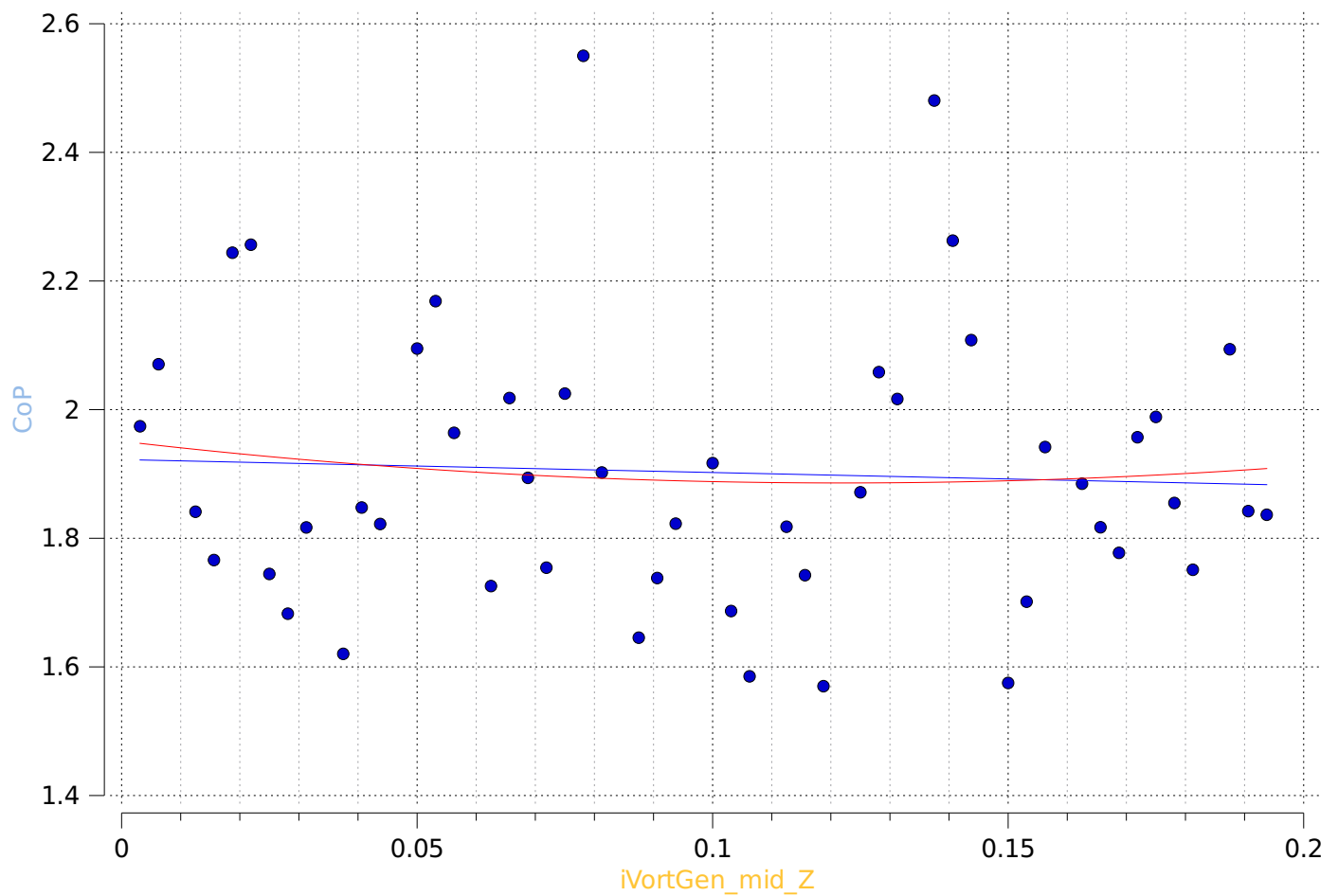
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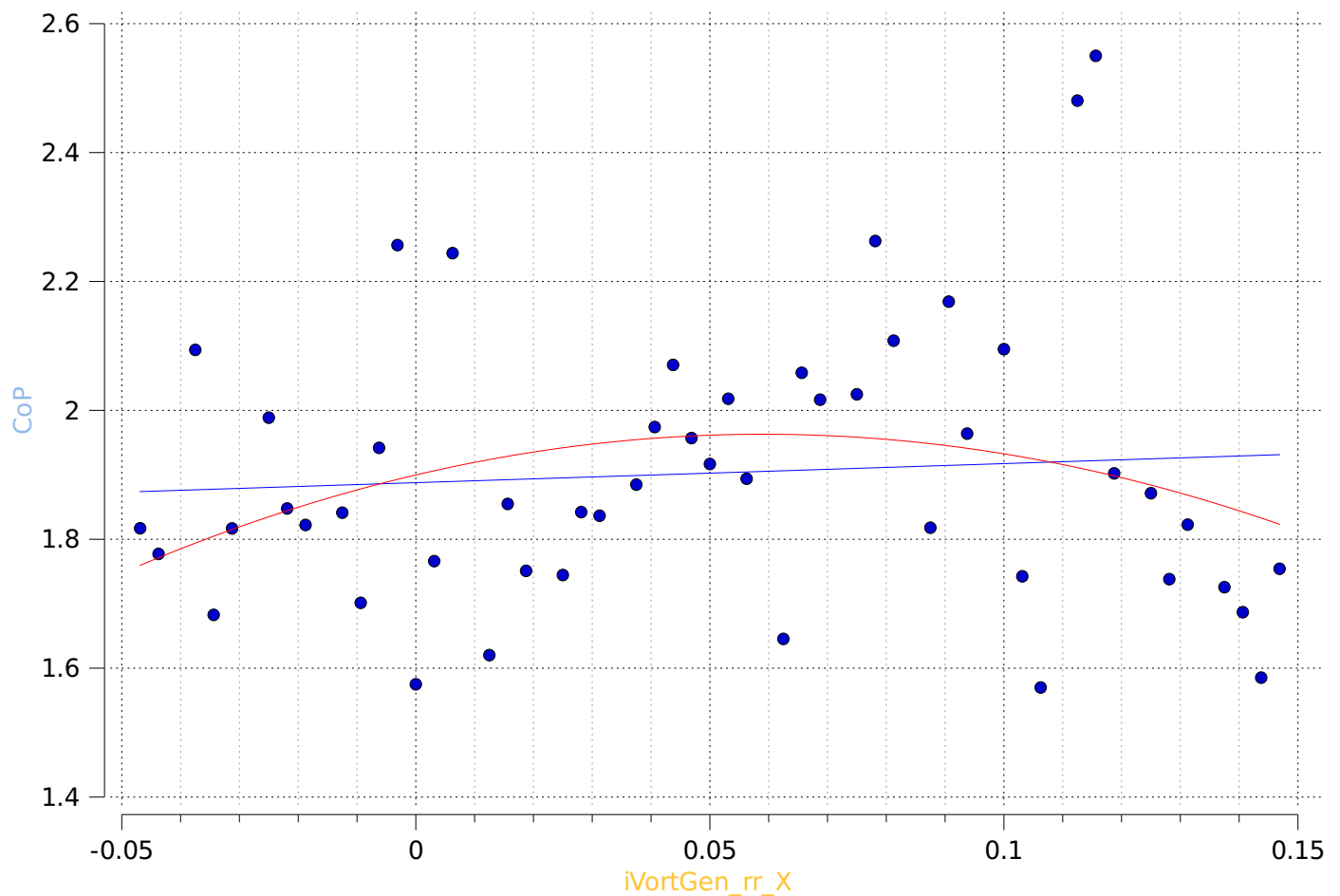
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Design Variable |DVs|iVortGen_mid_X



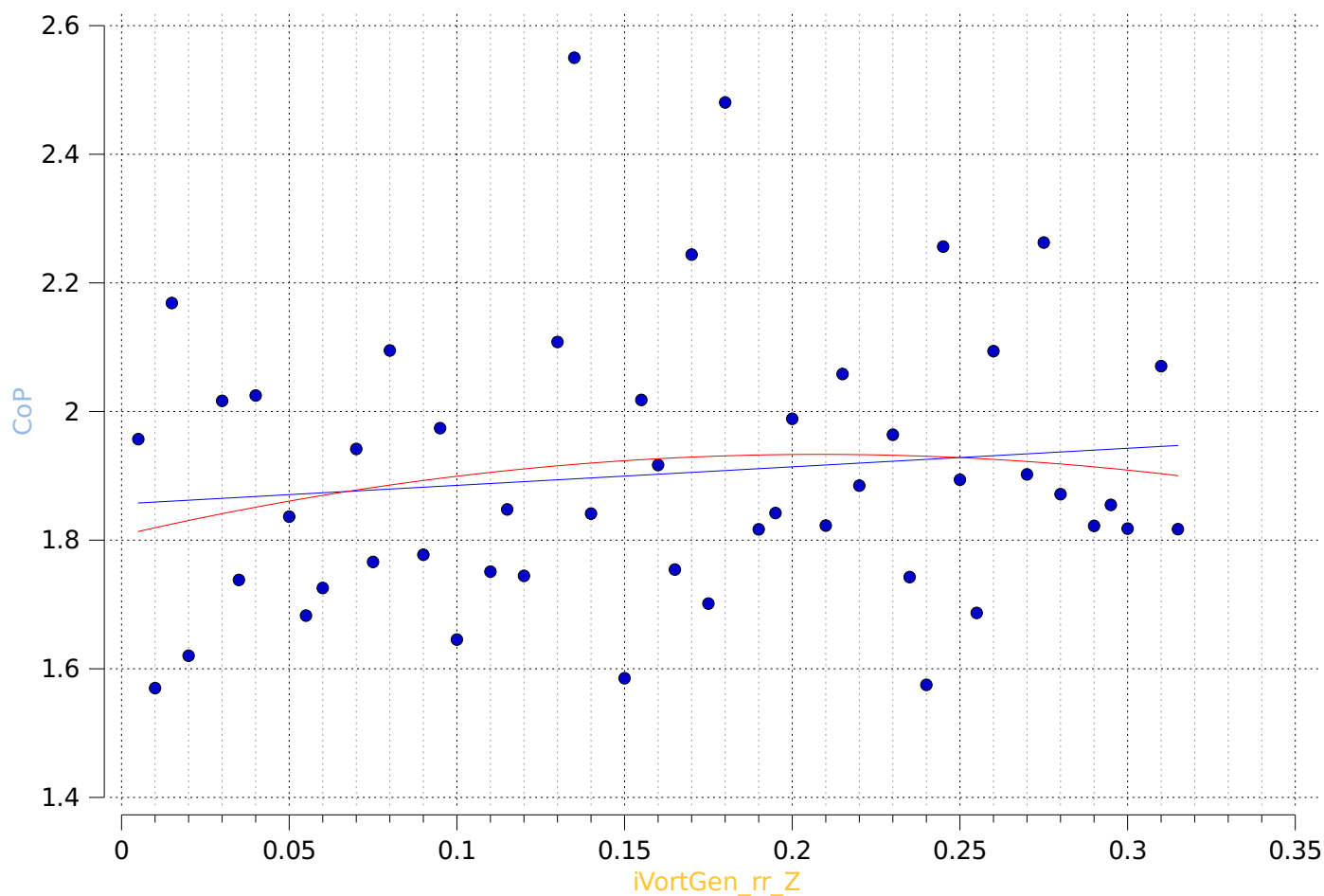
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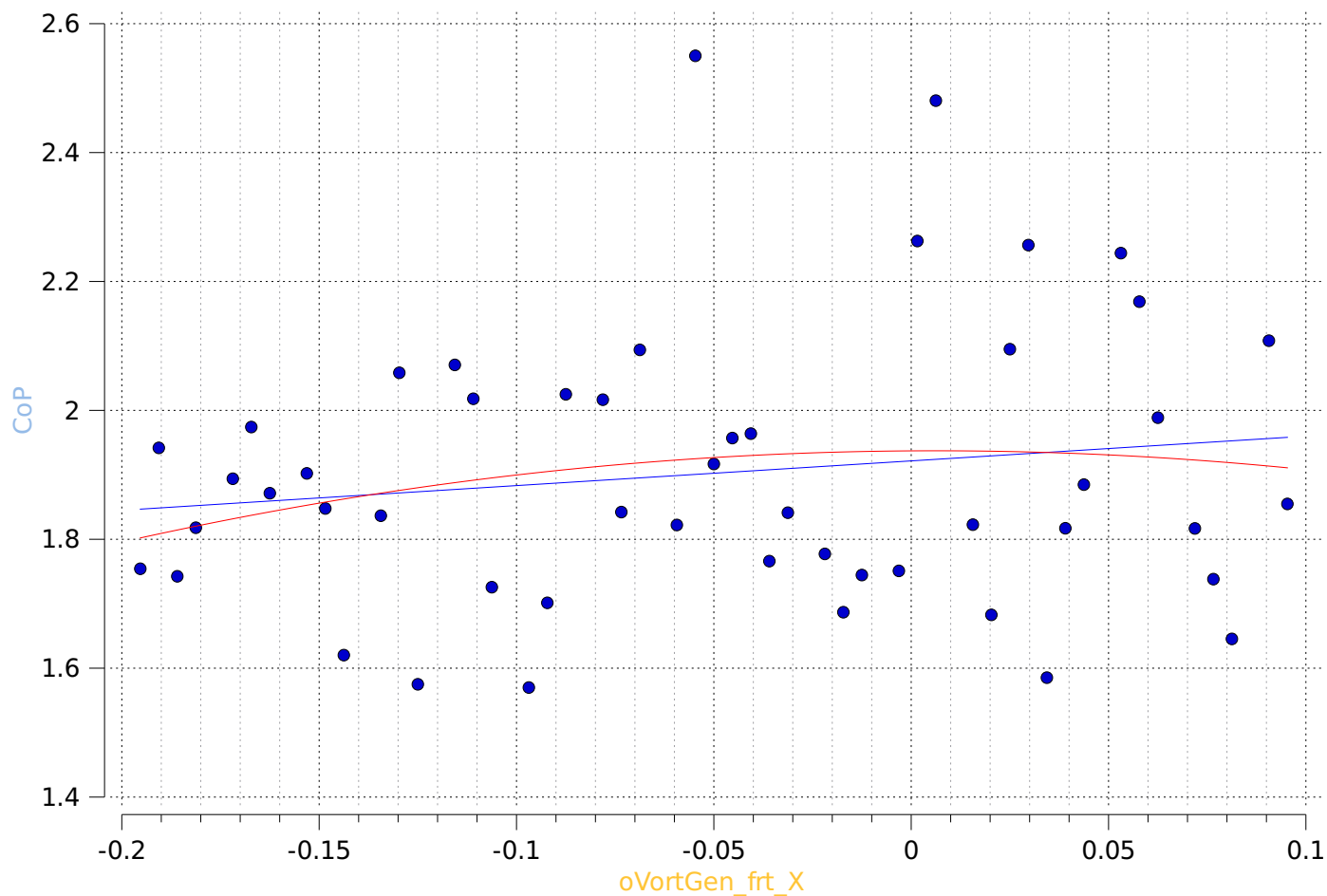
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Design Variable |DVs|iVortGen_rr_X



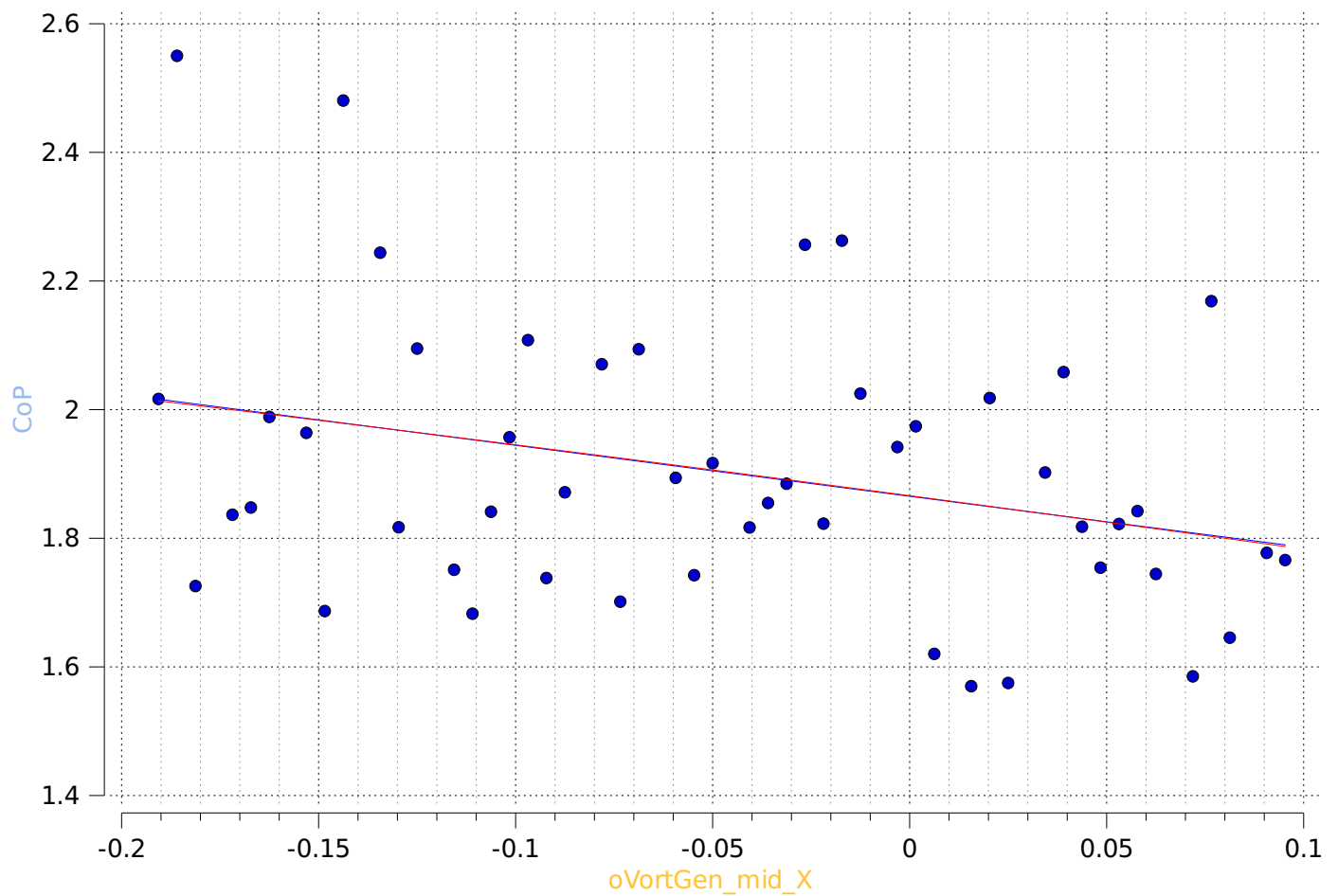
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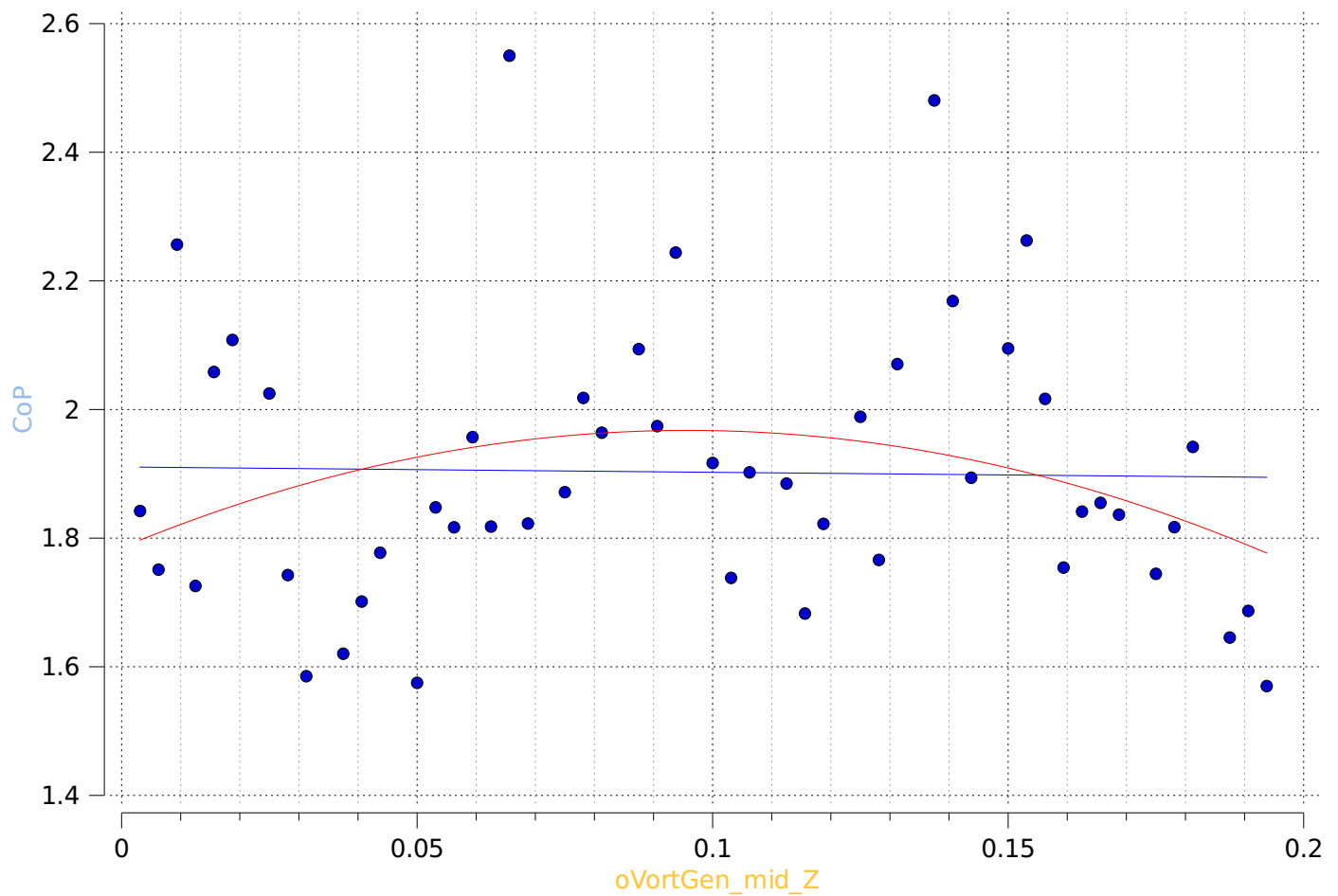
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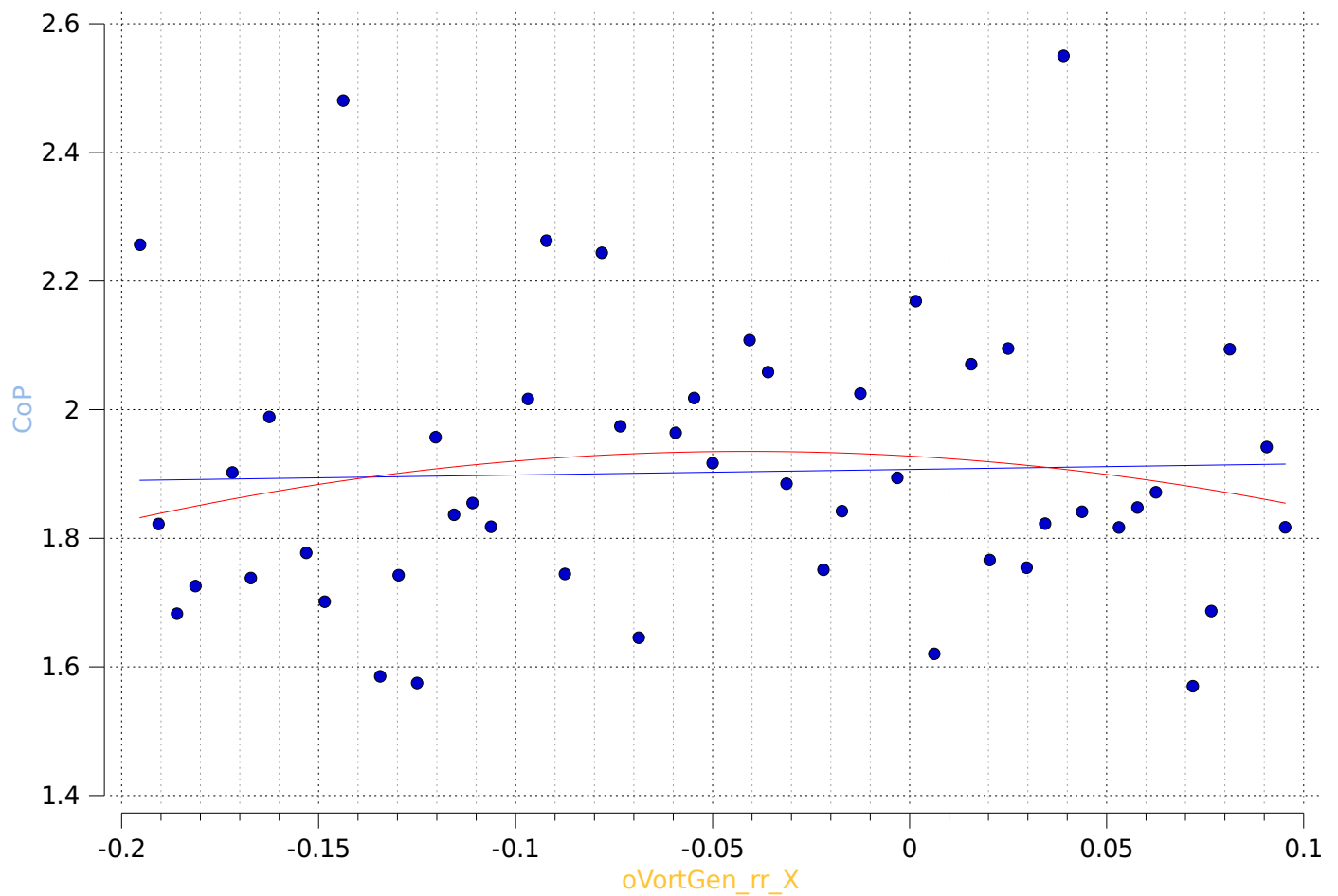
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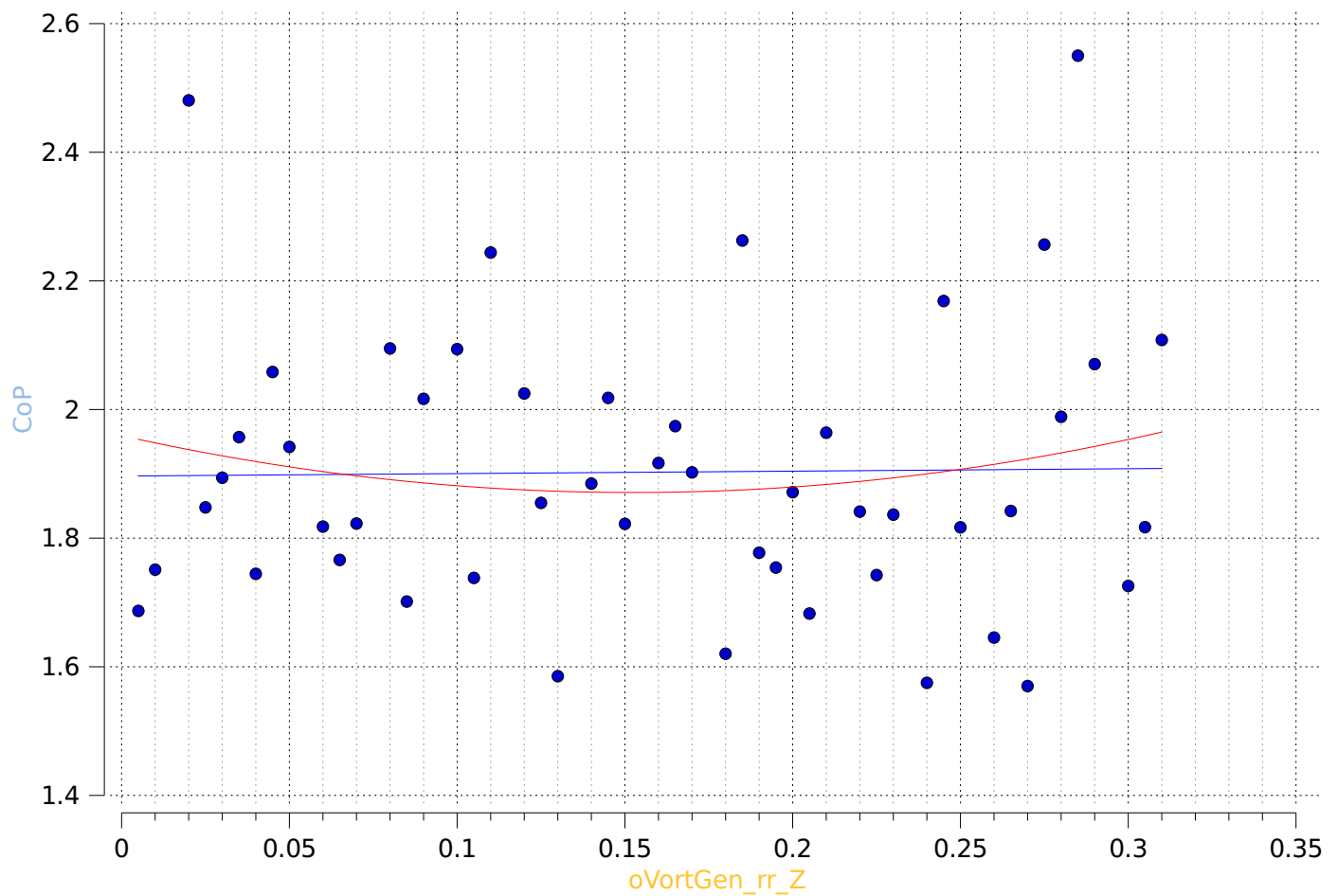
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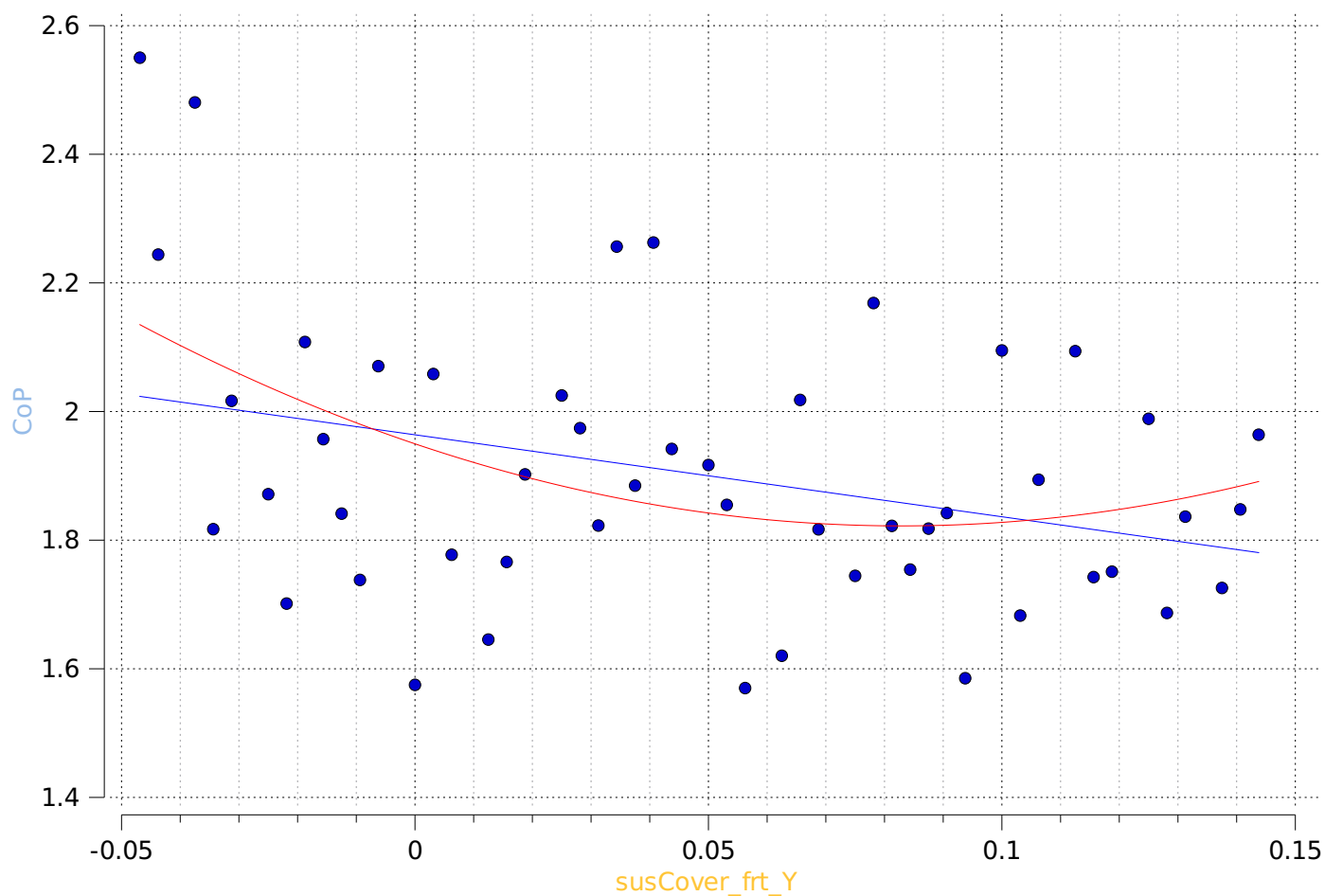
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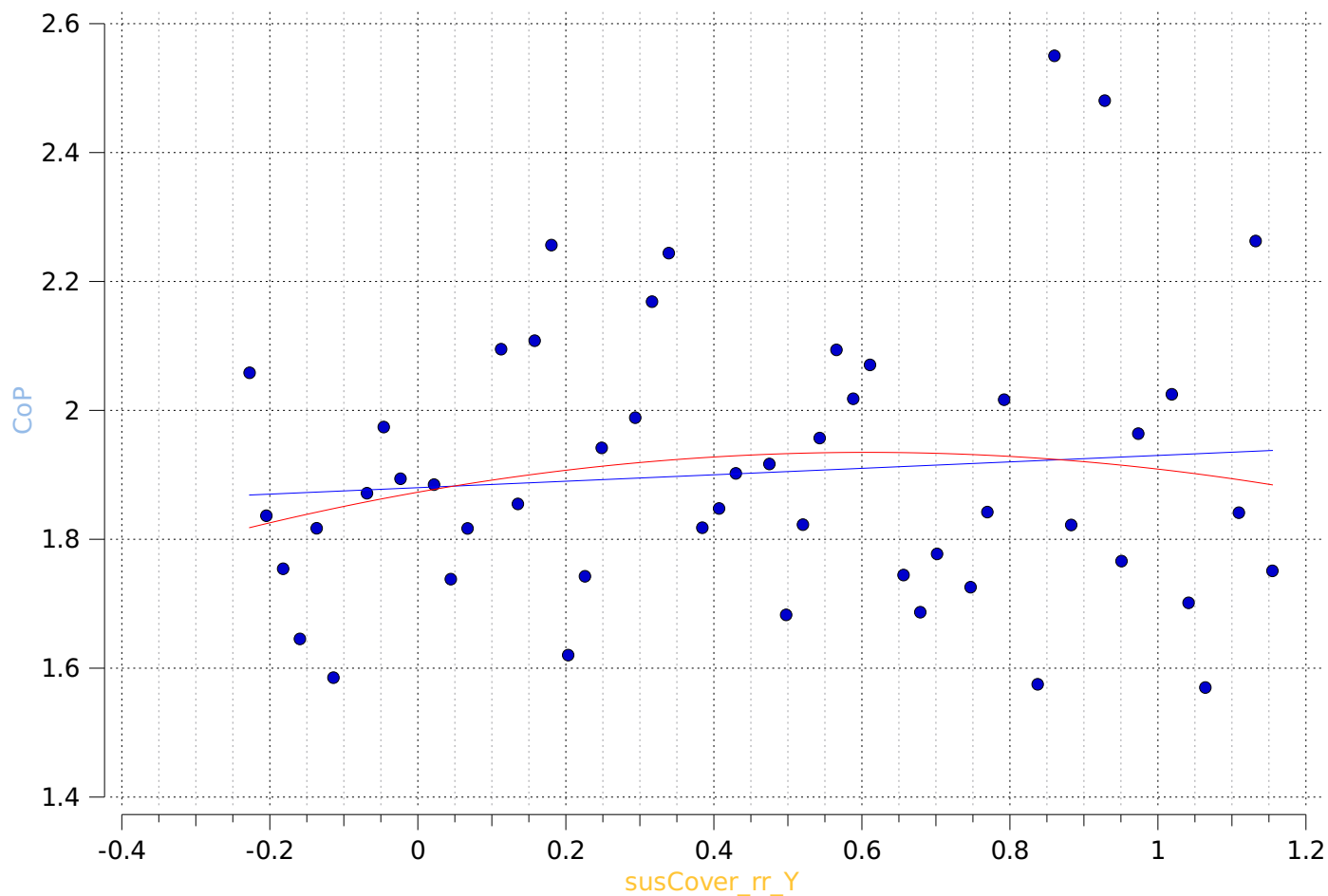
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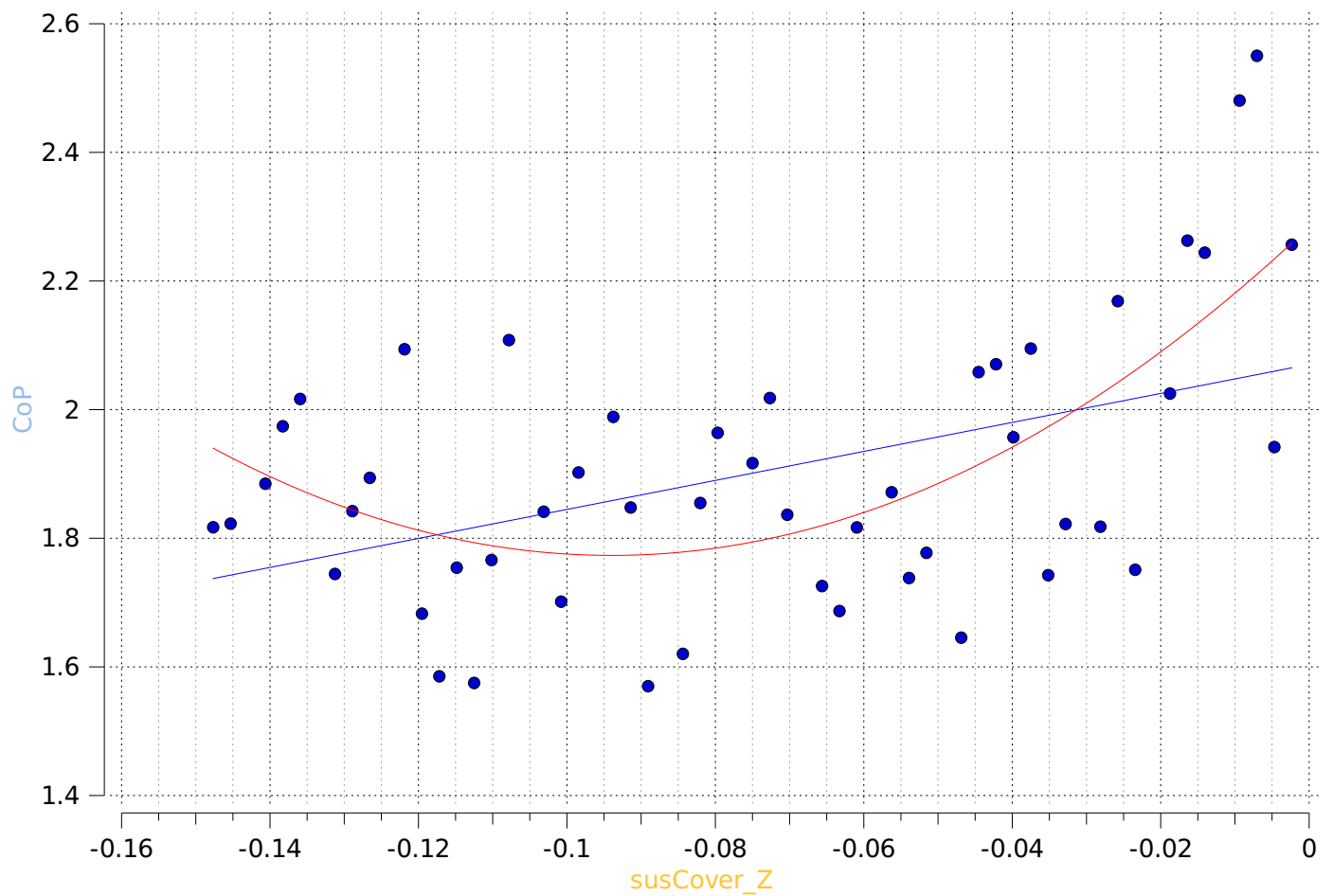
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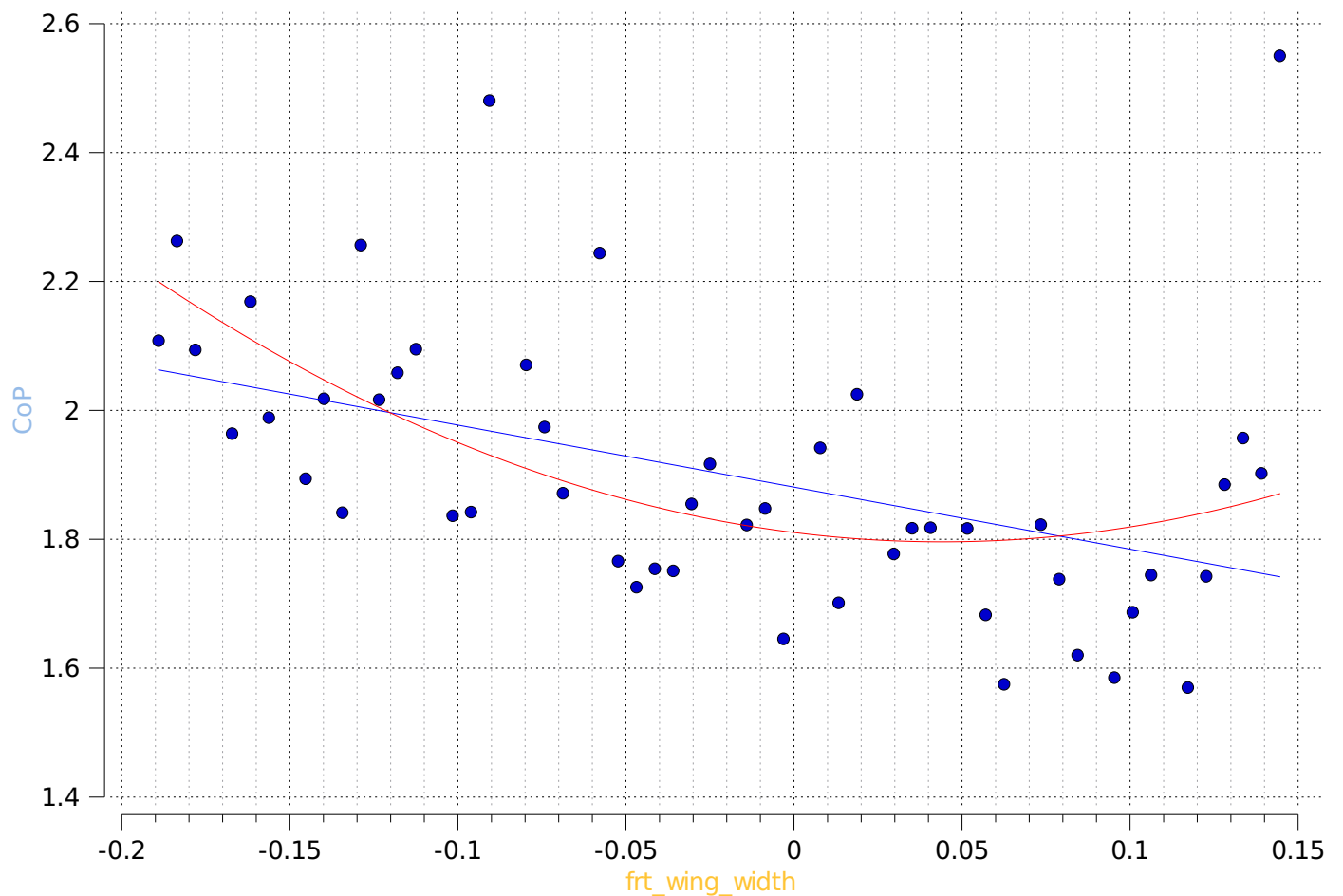
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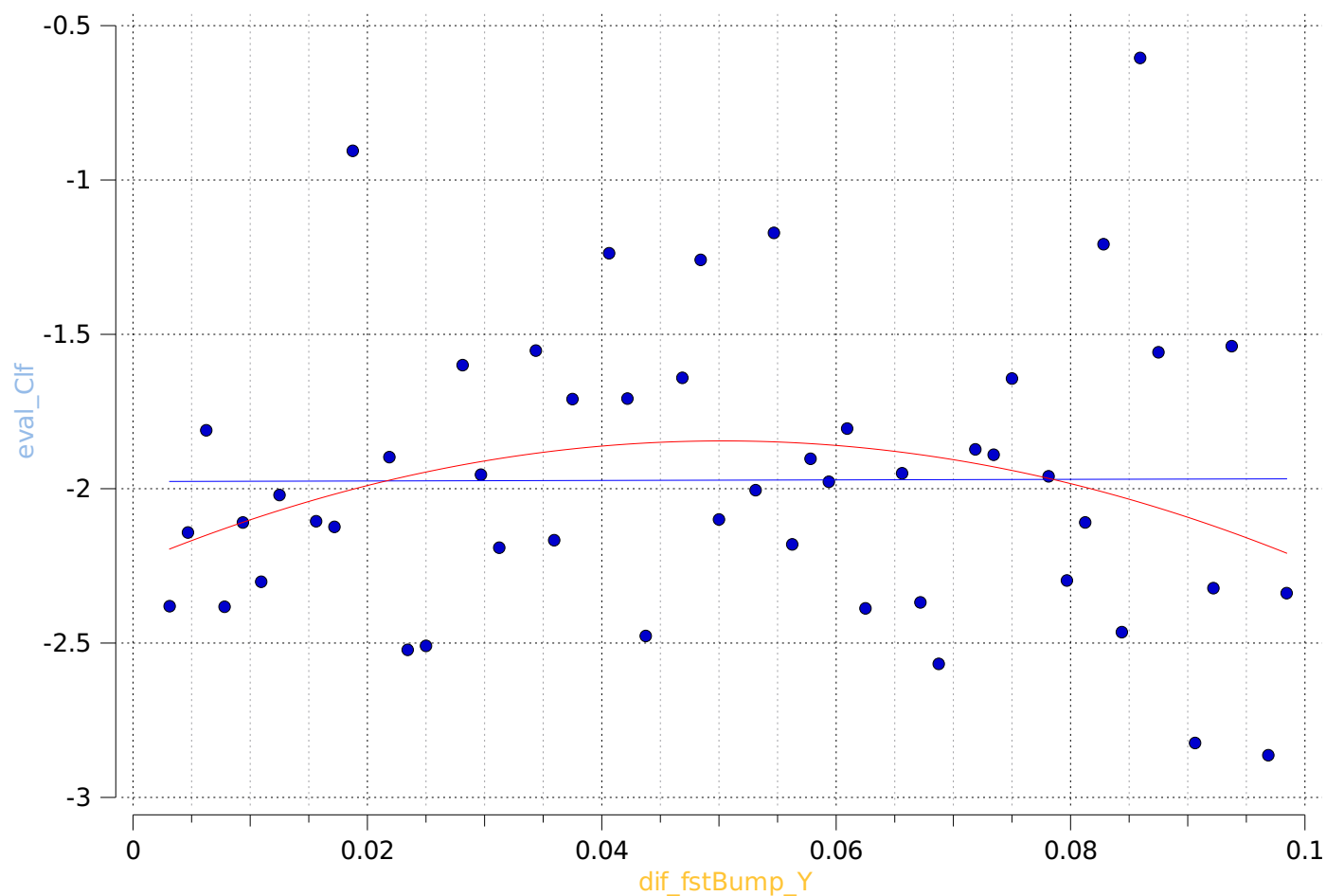
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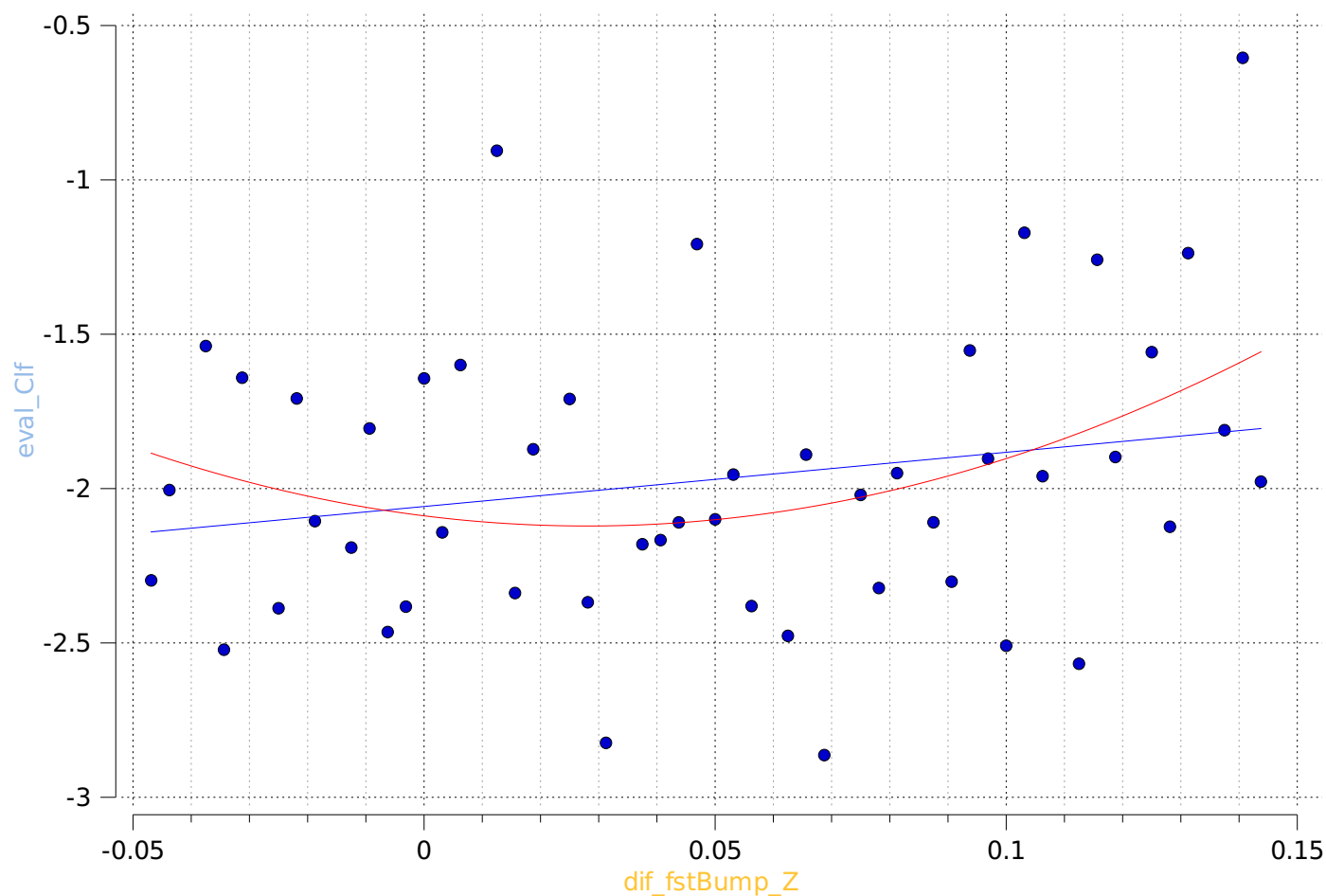
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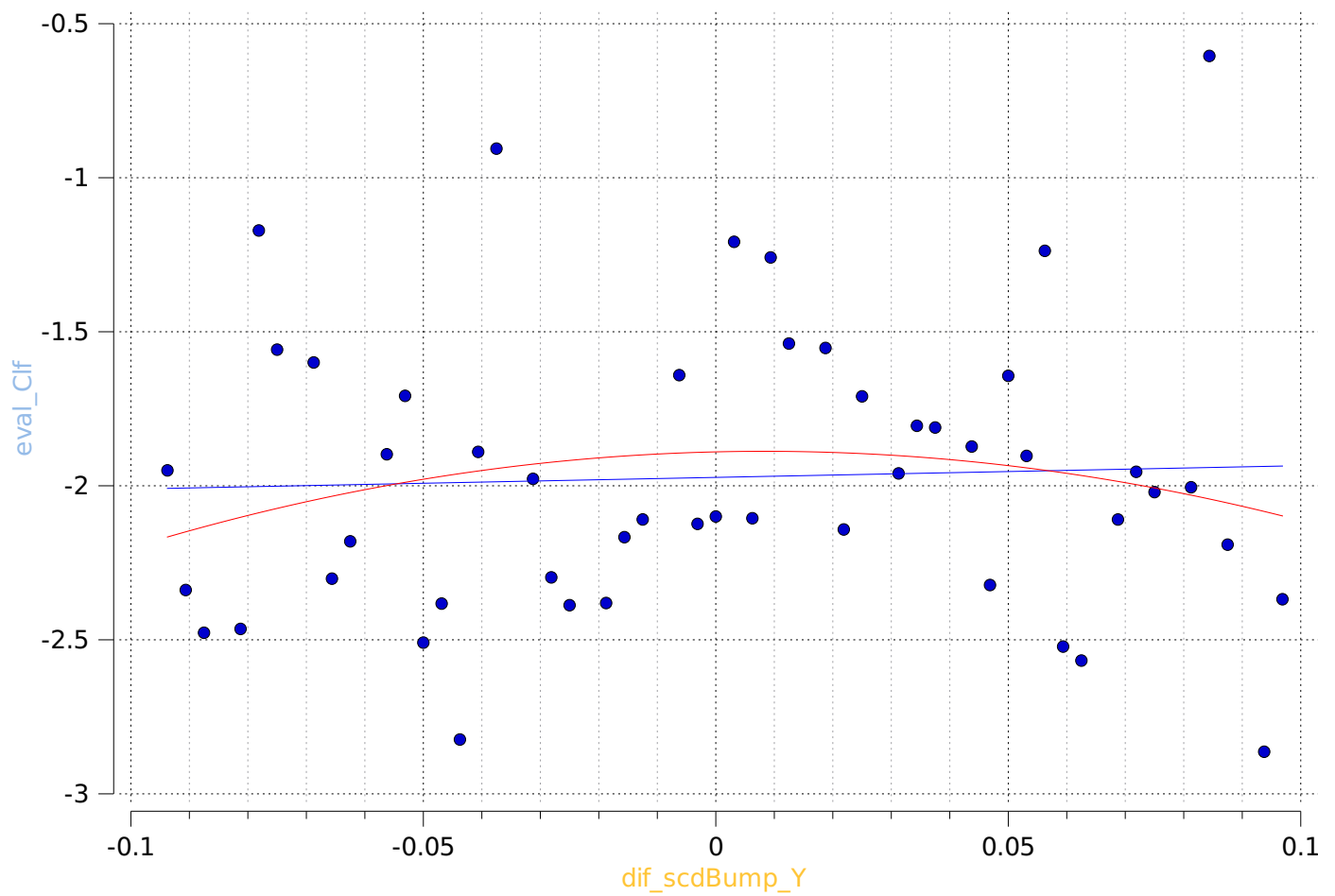
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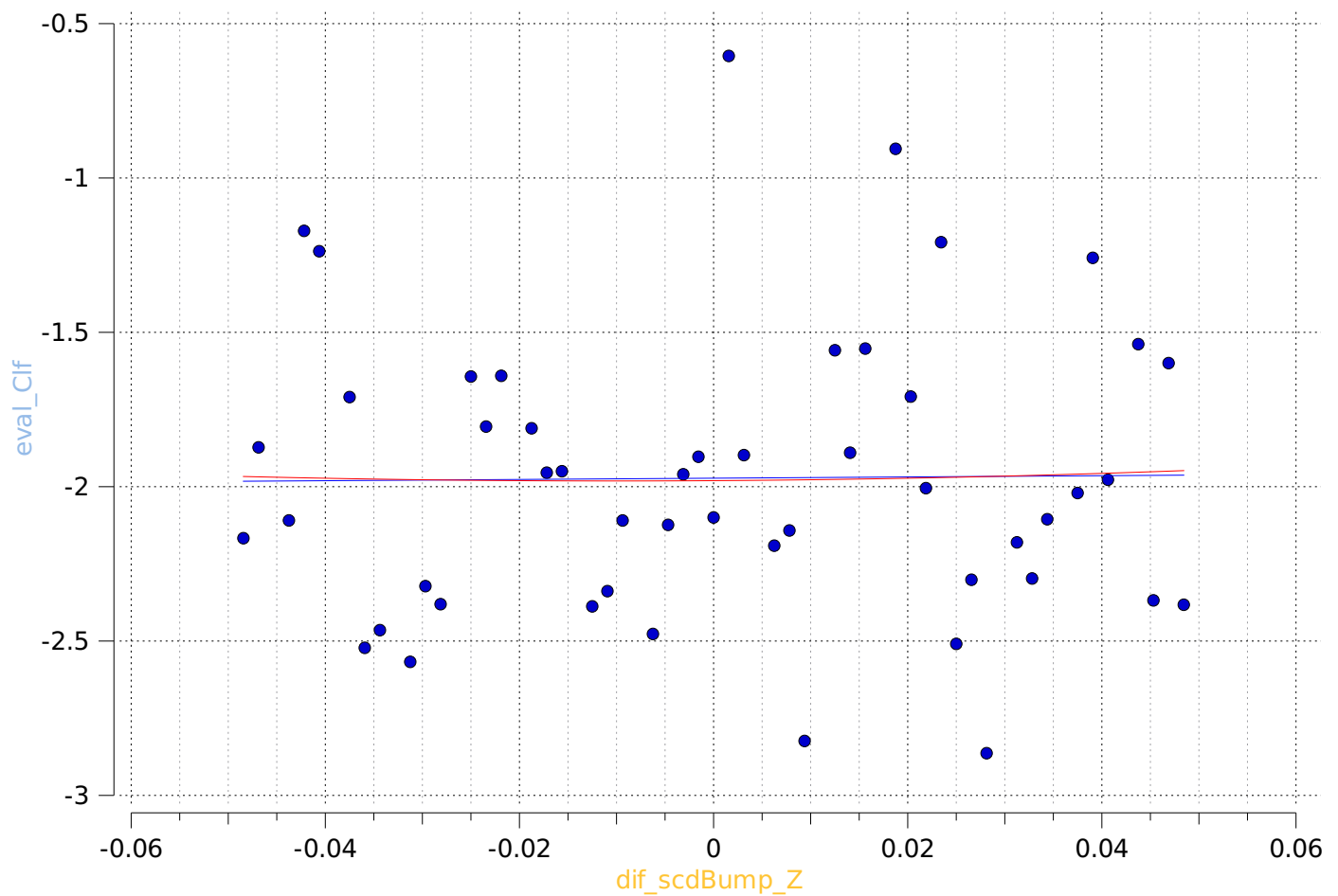
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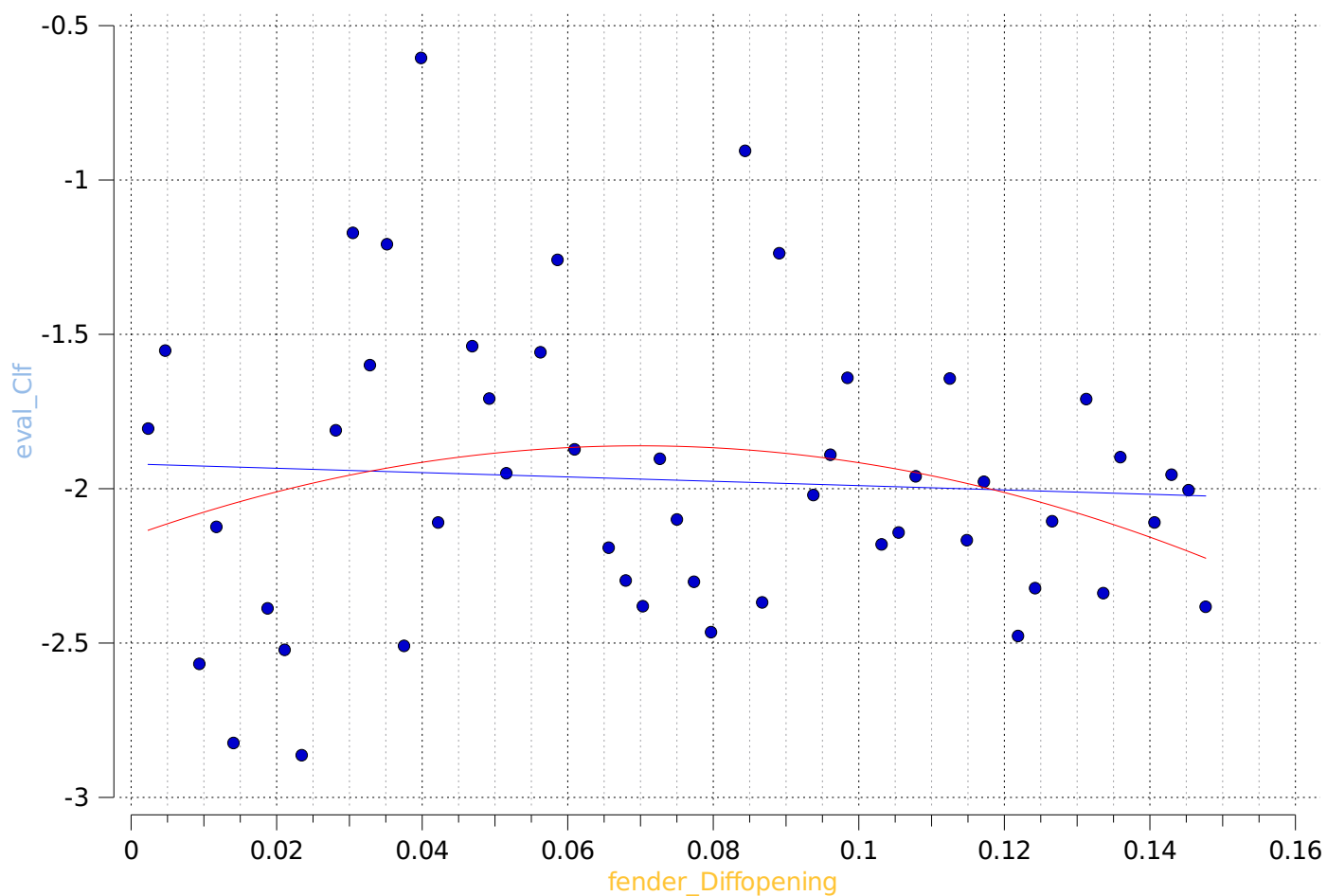
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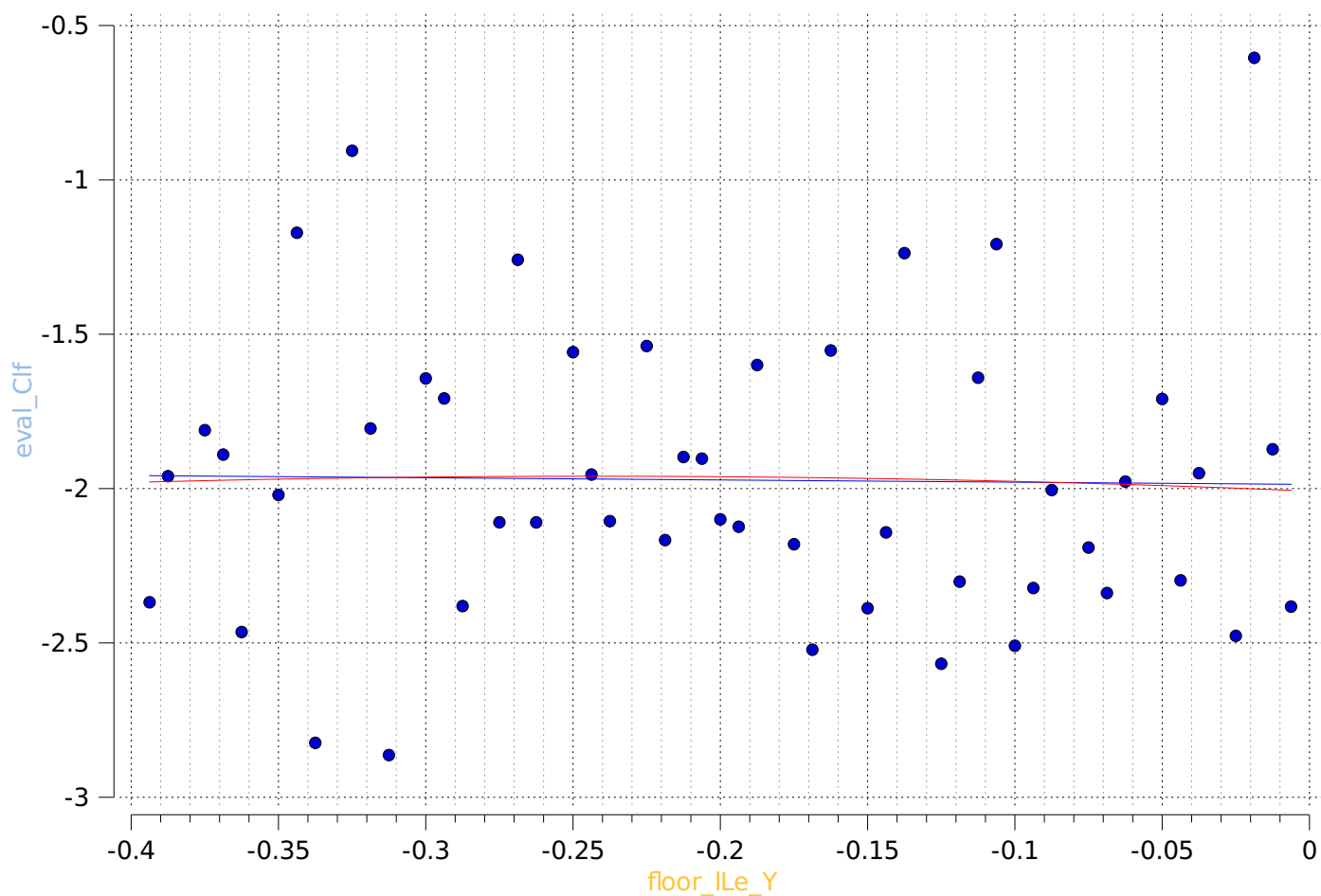
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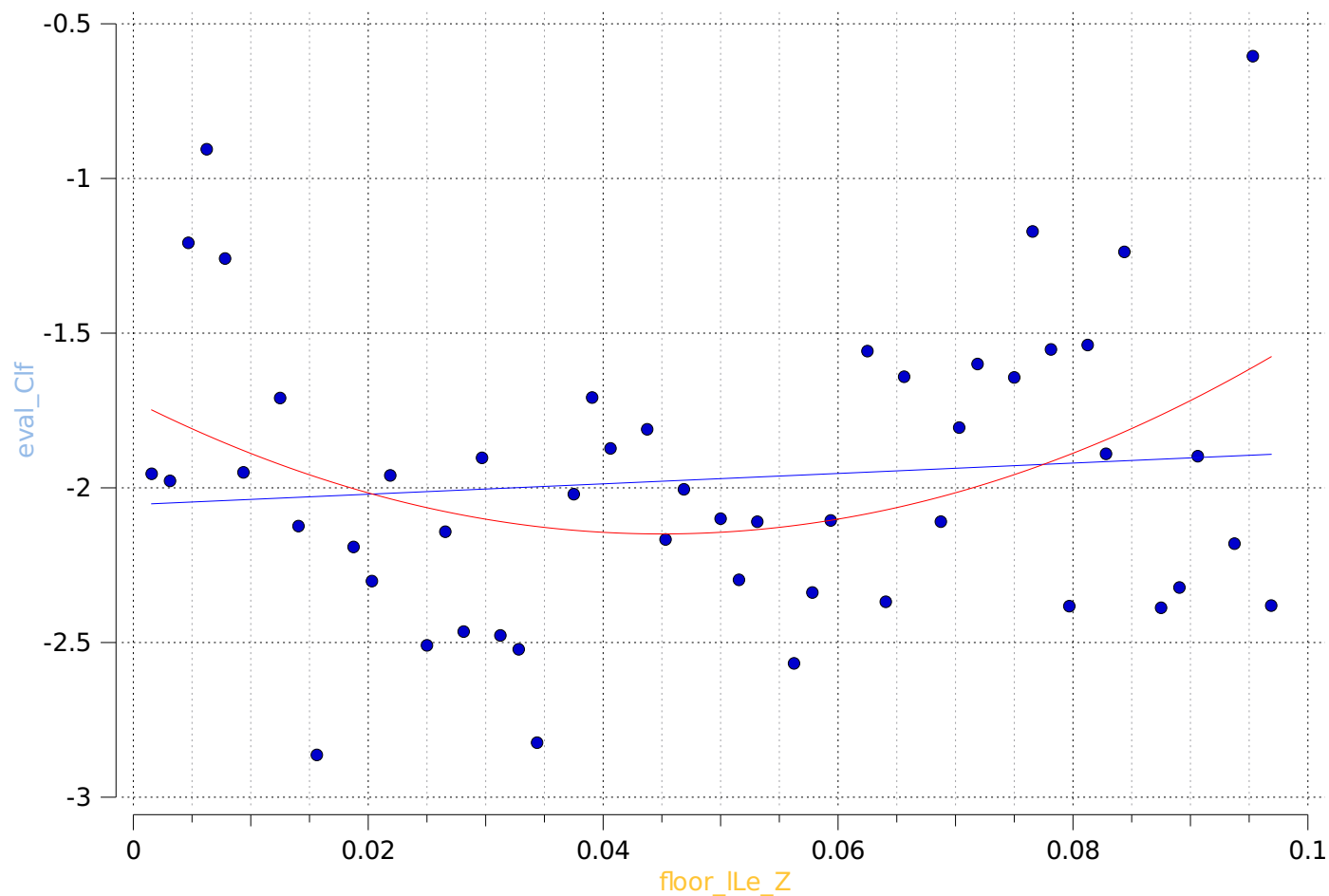
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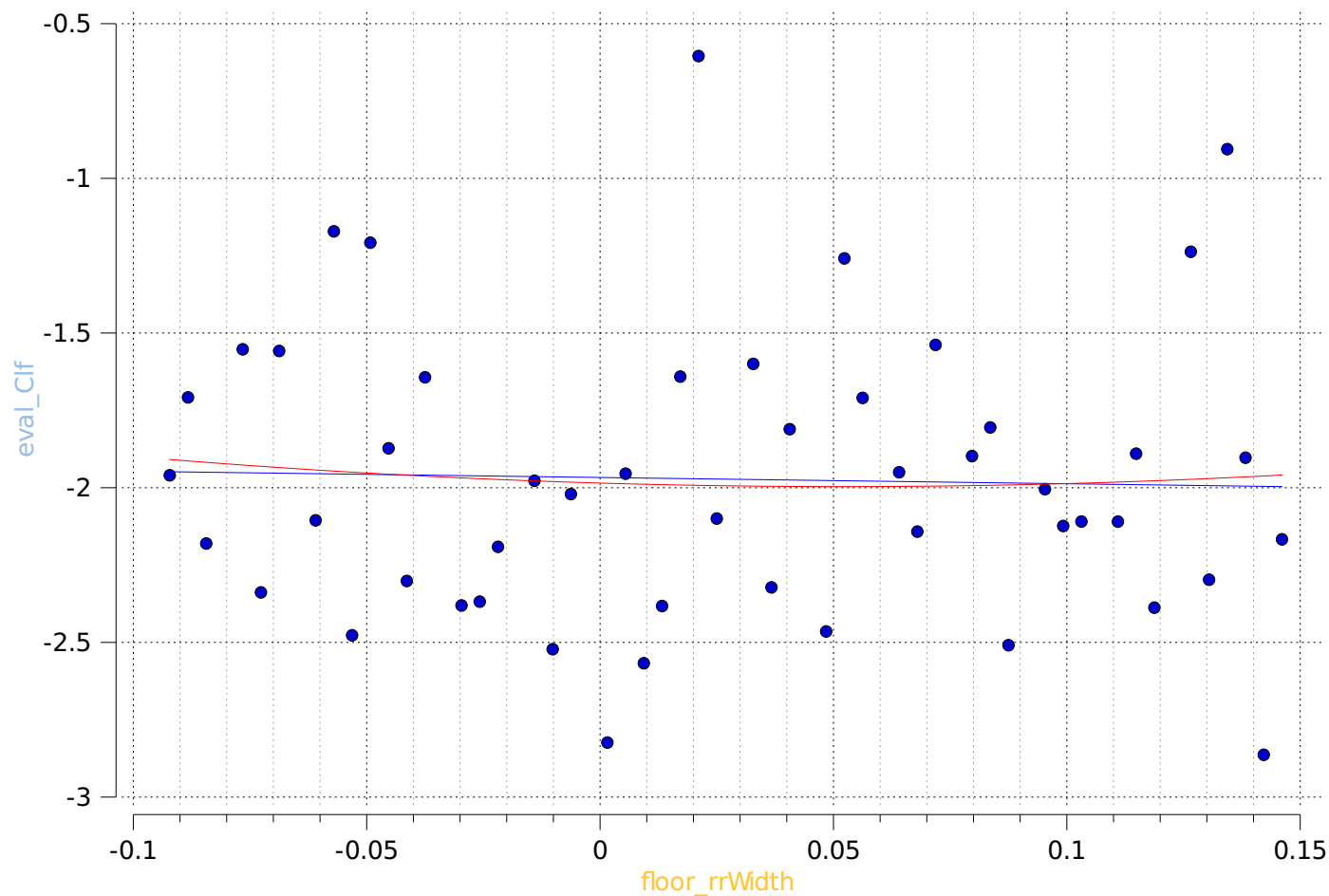
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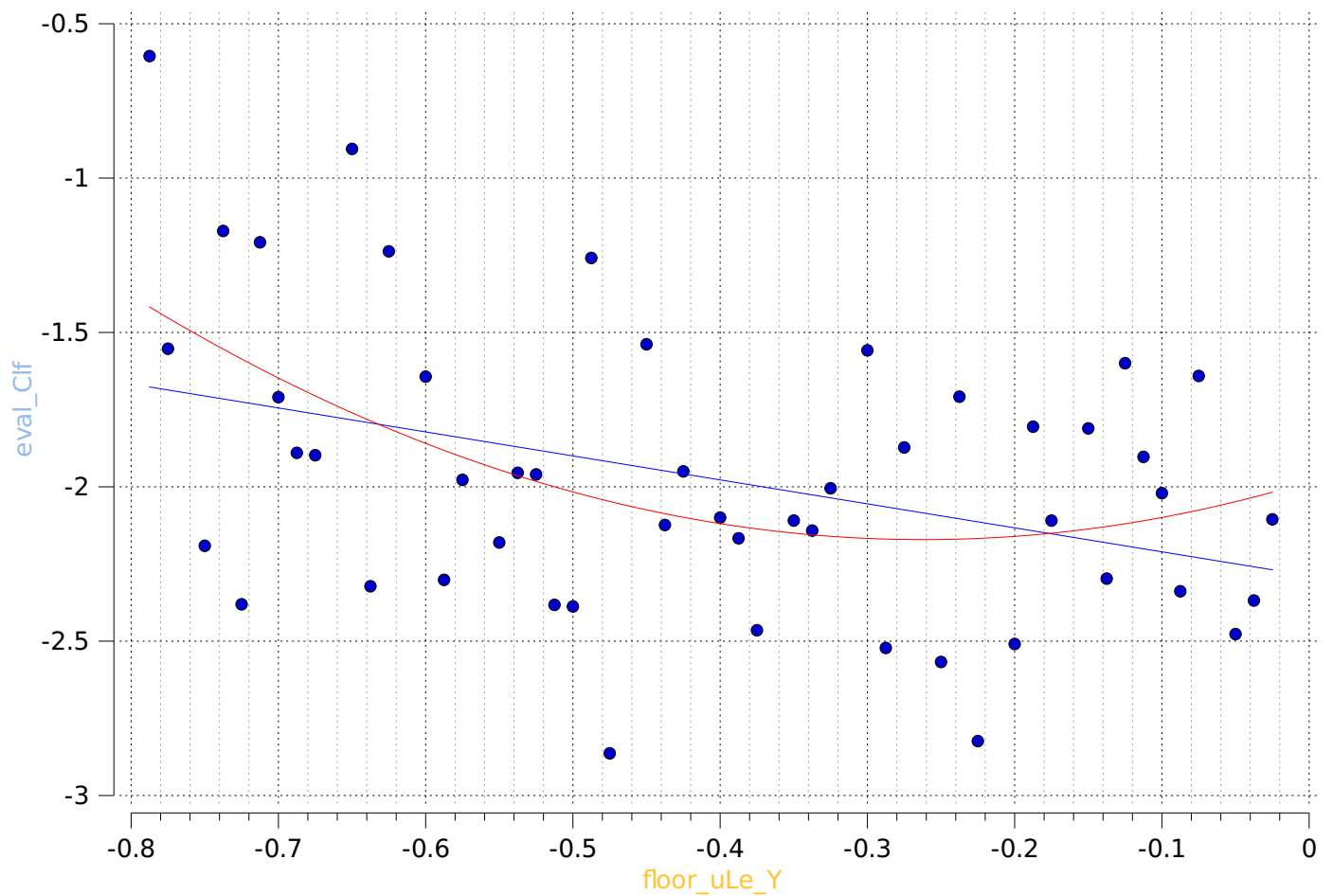
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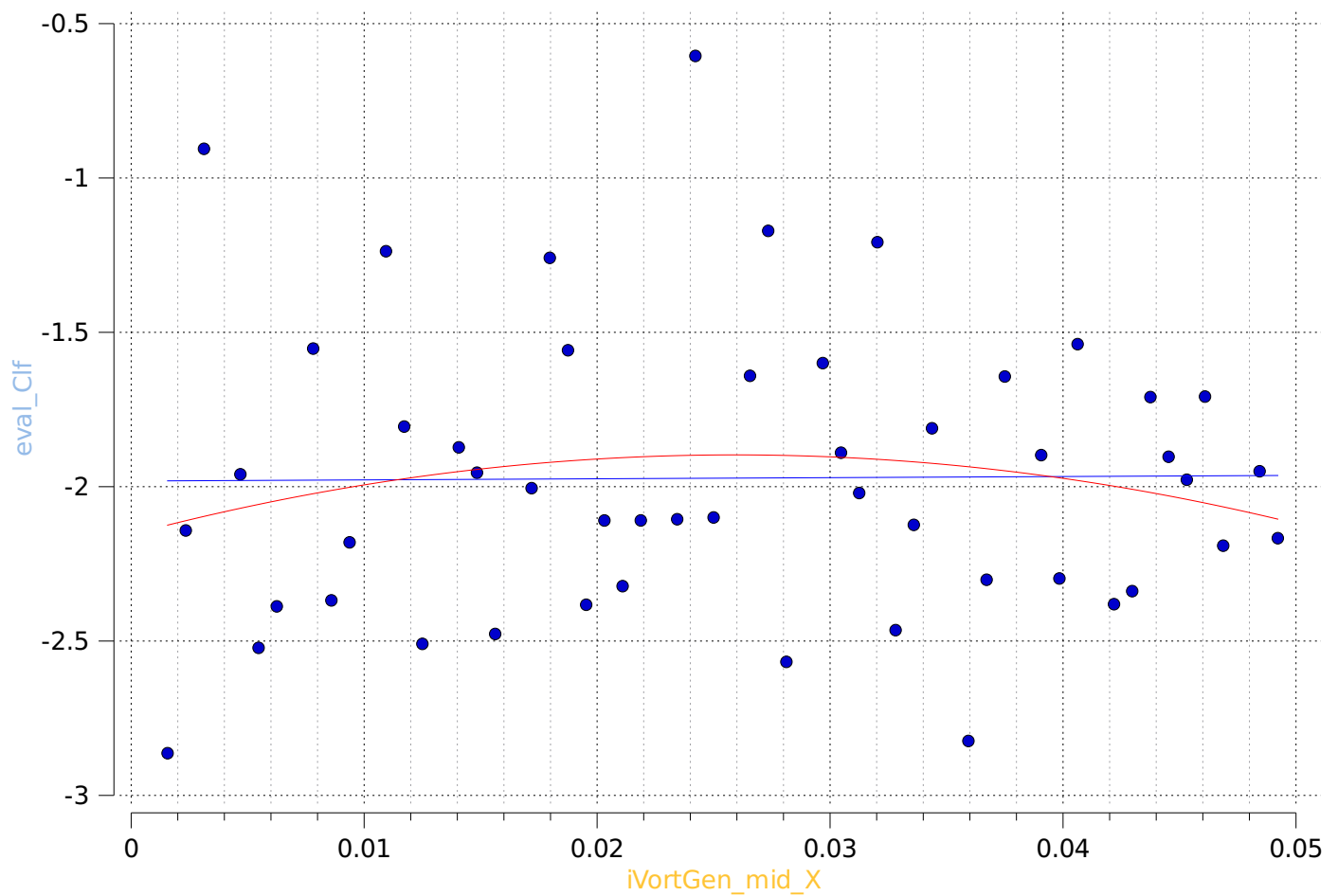
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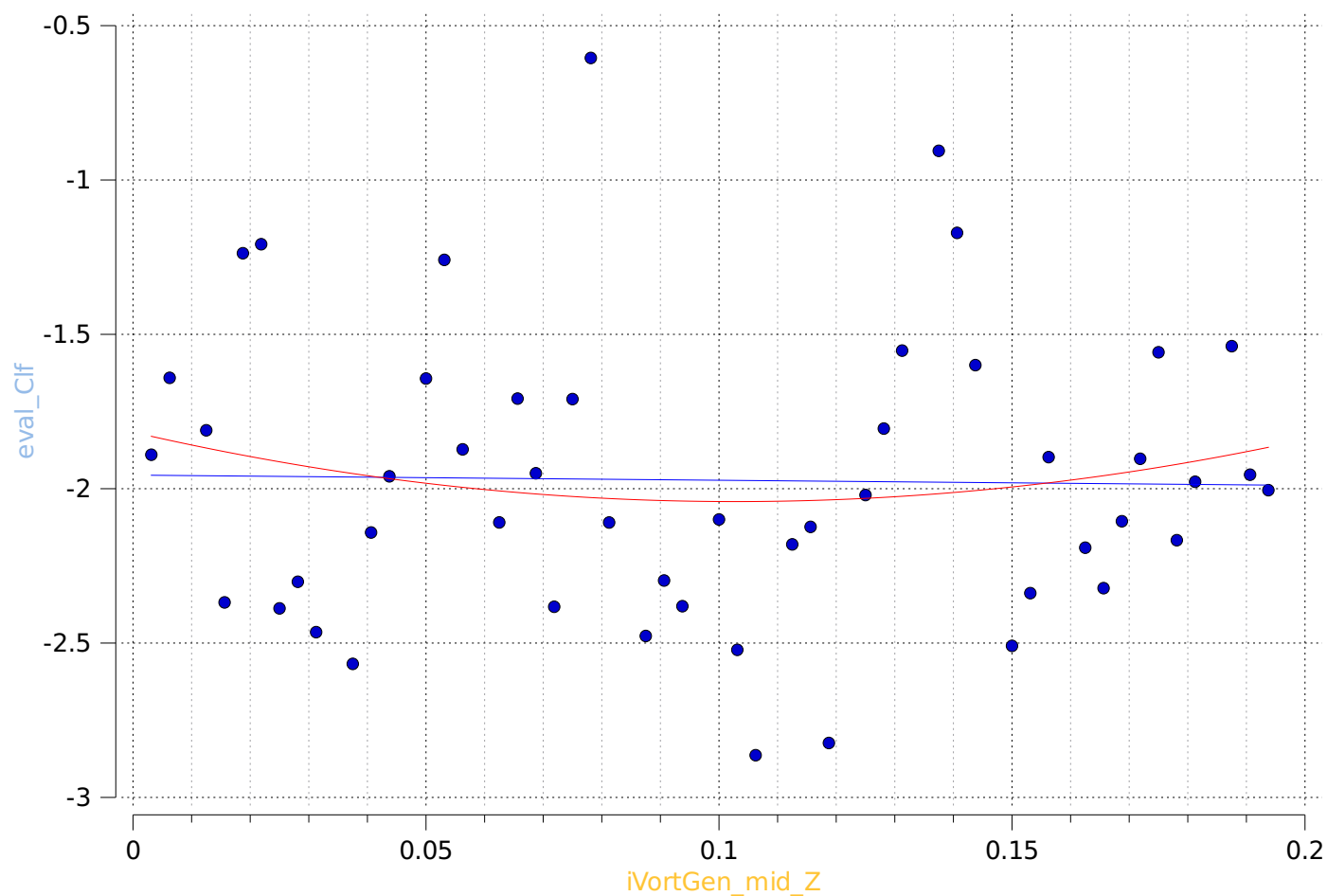
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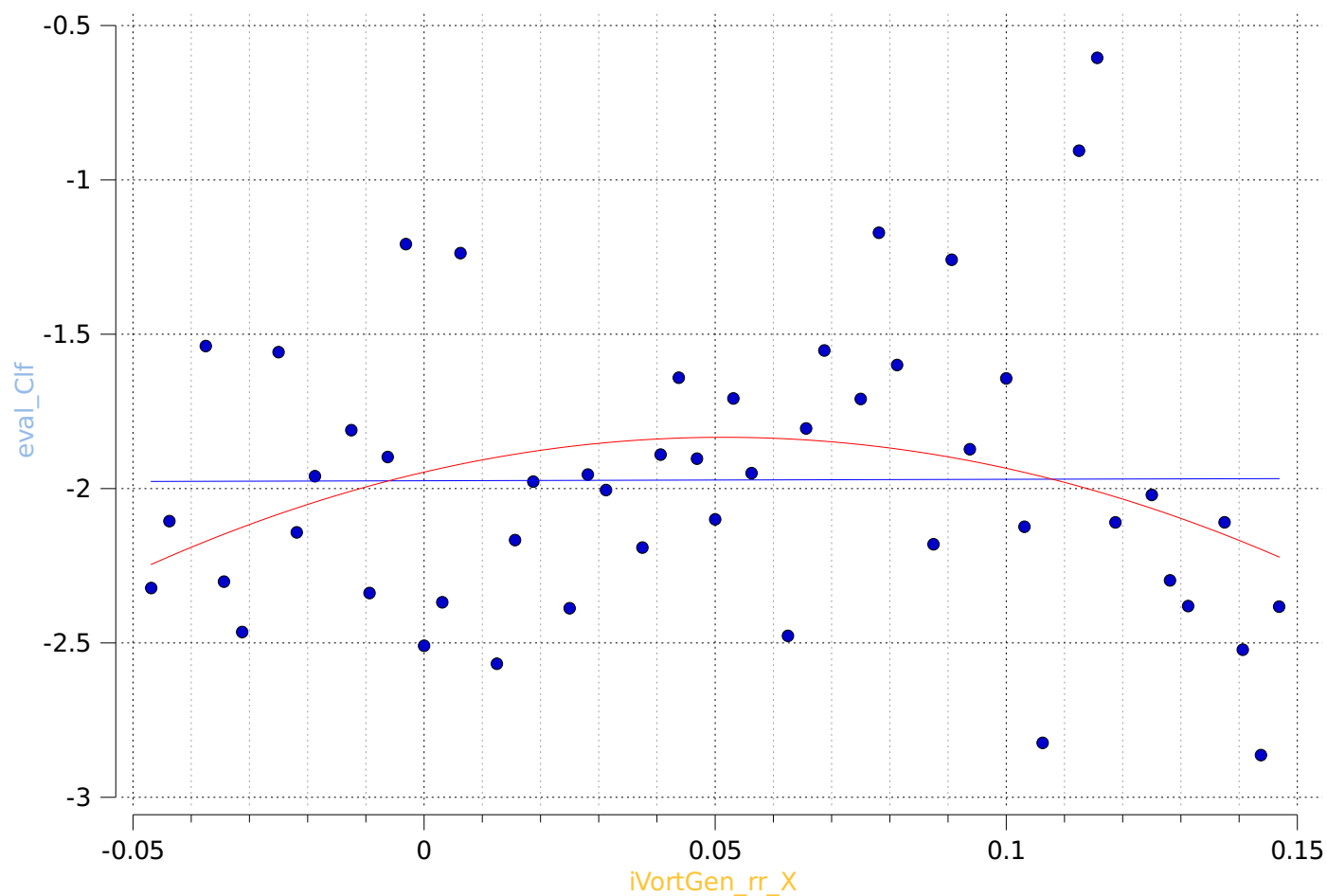
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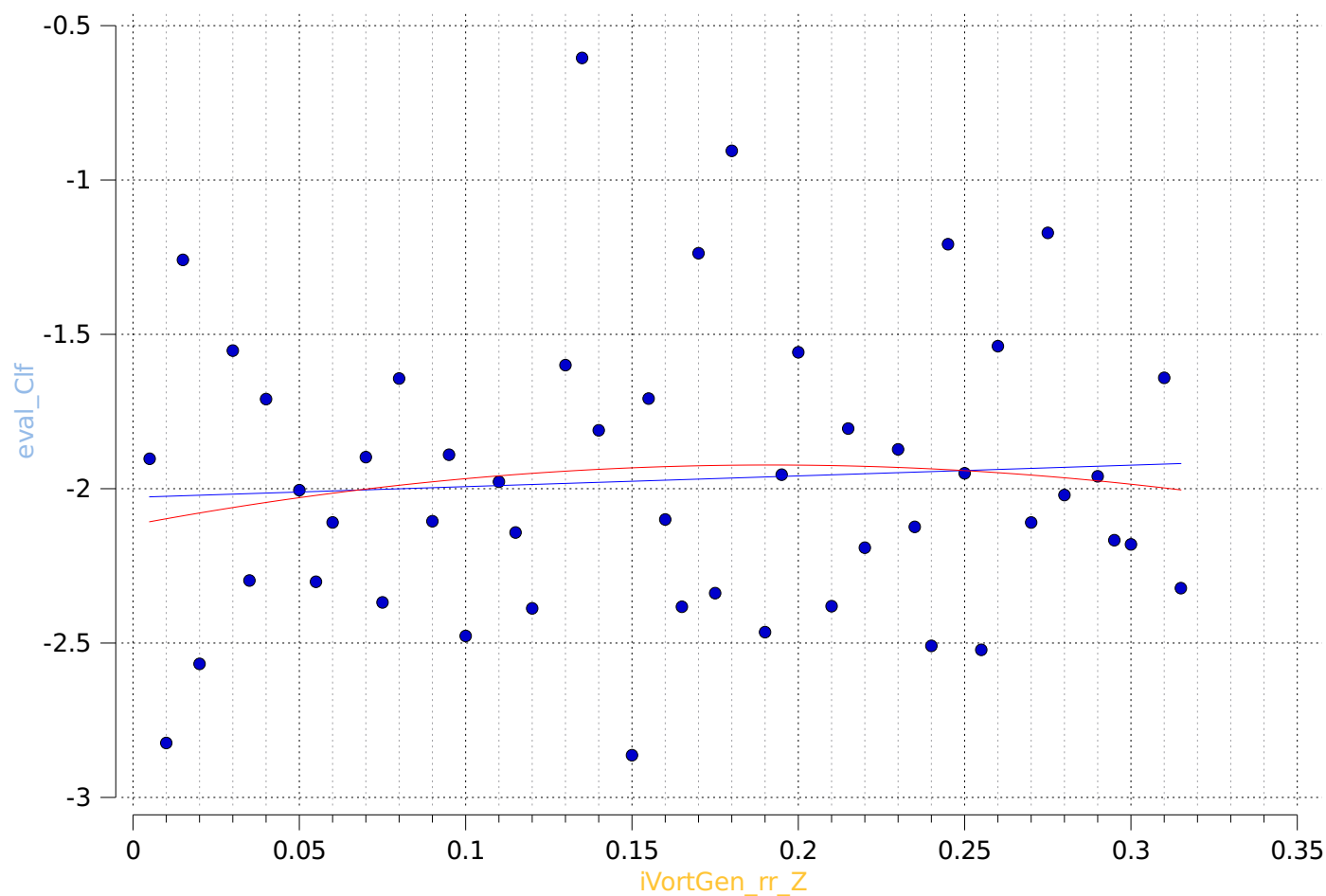
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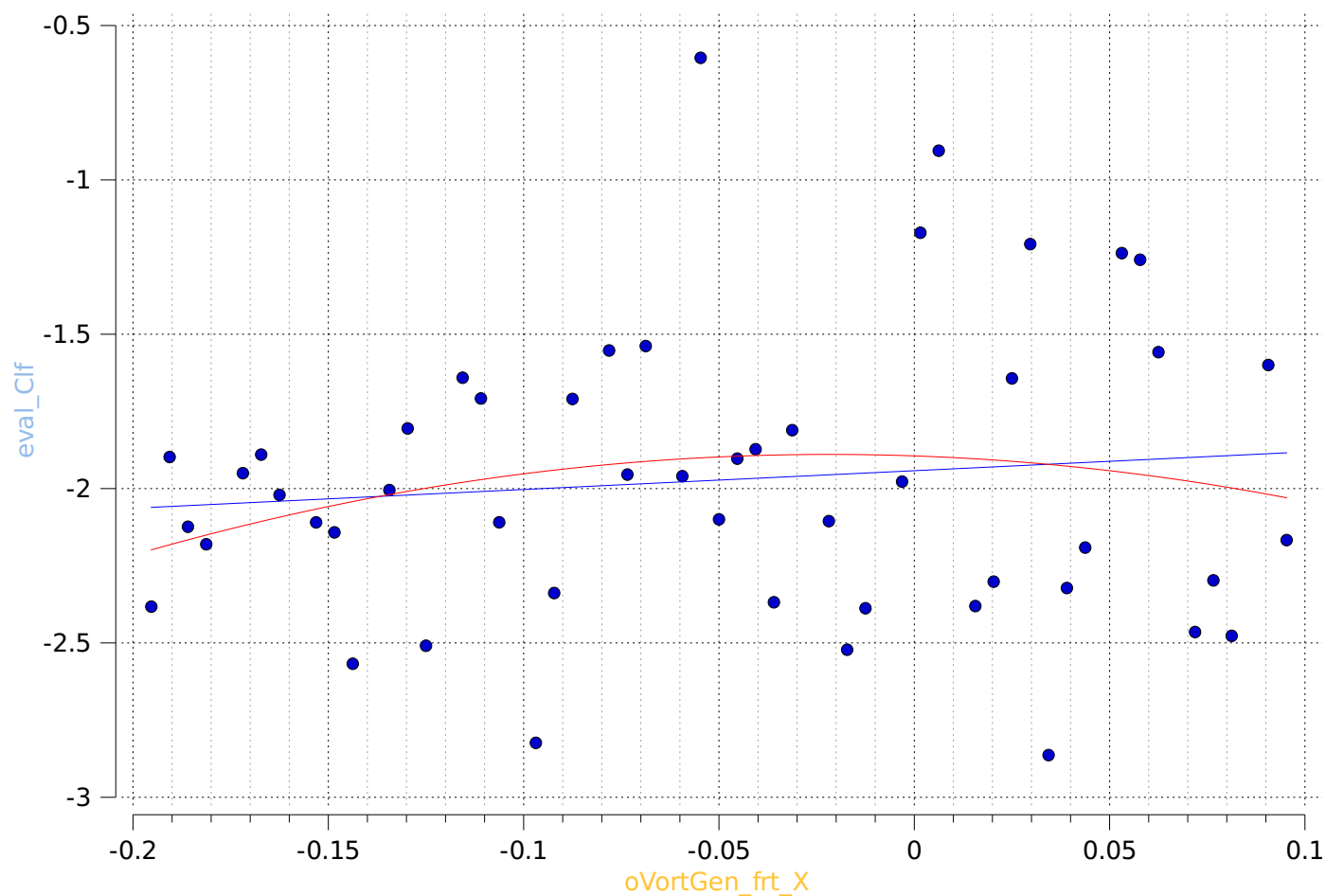
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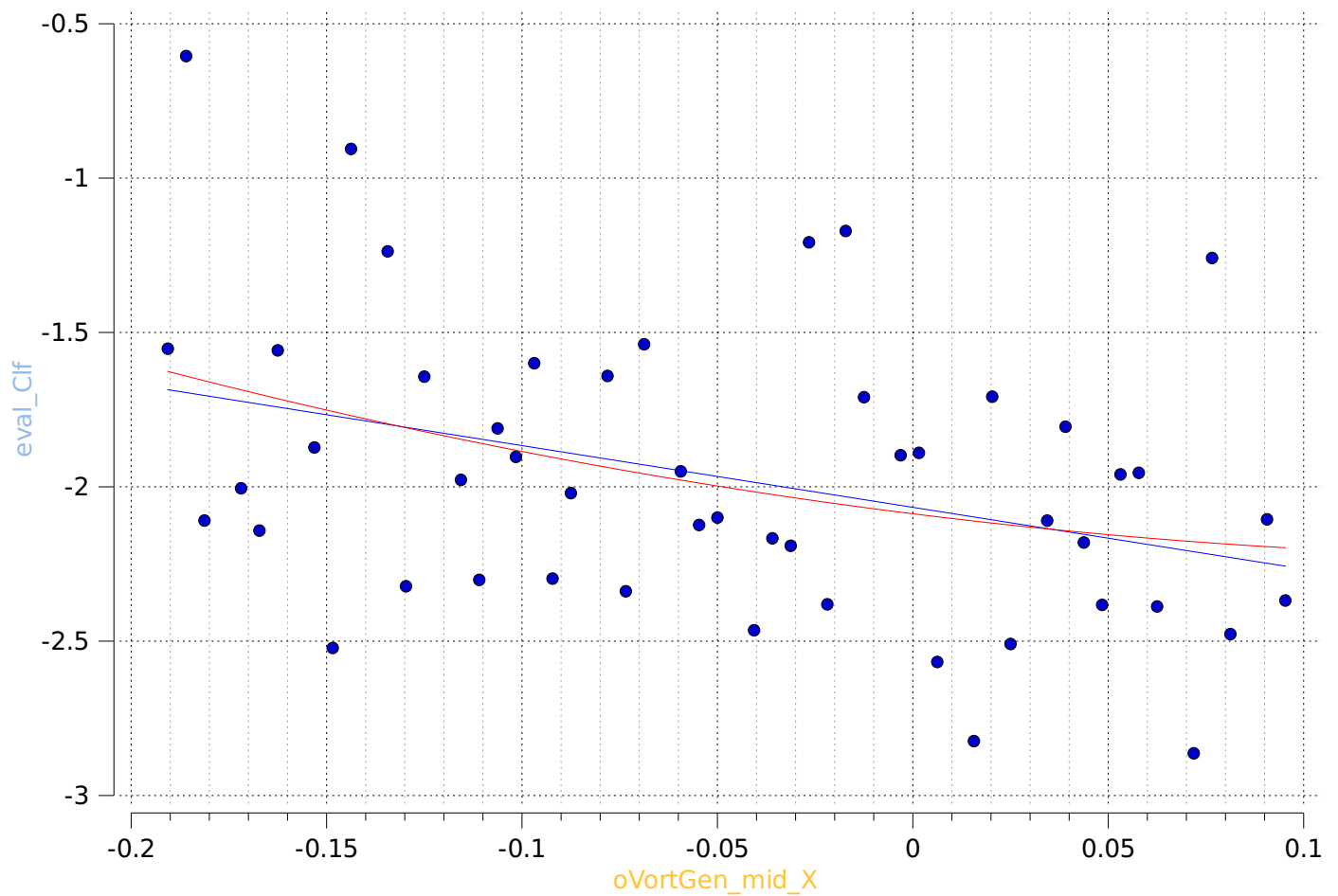
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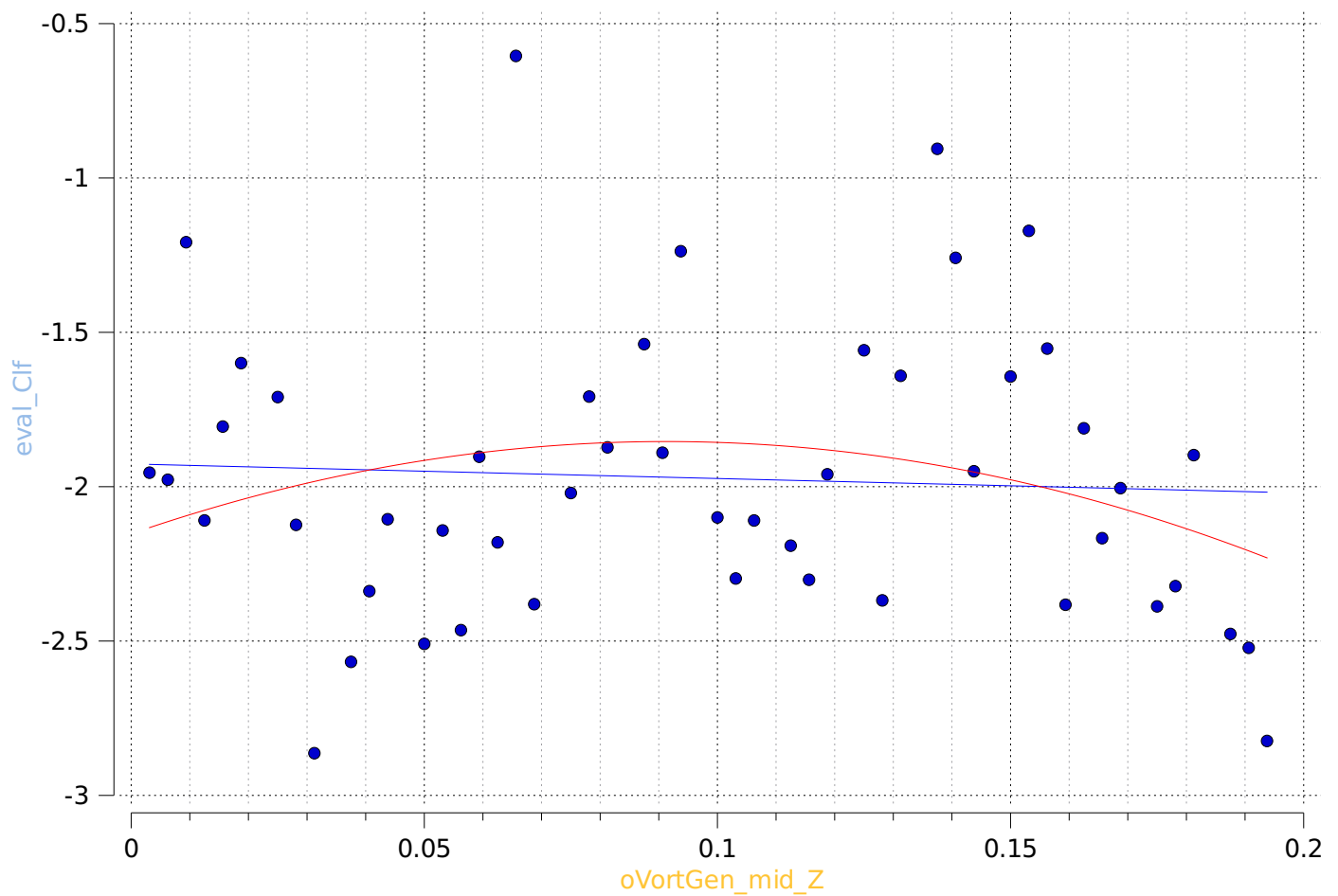
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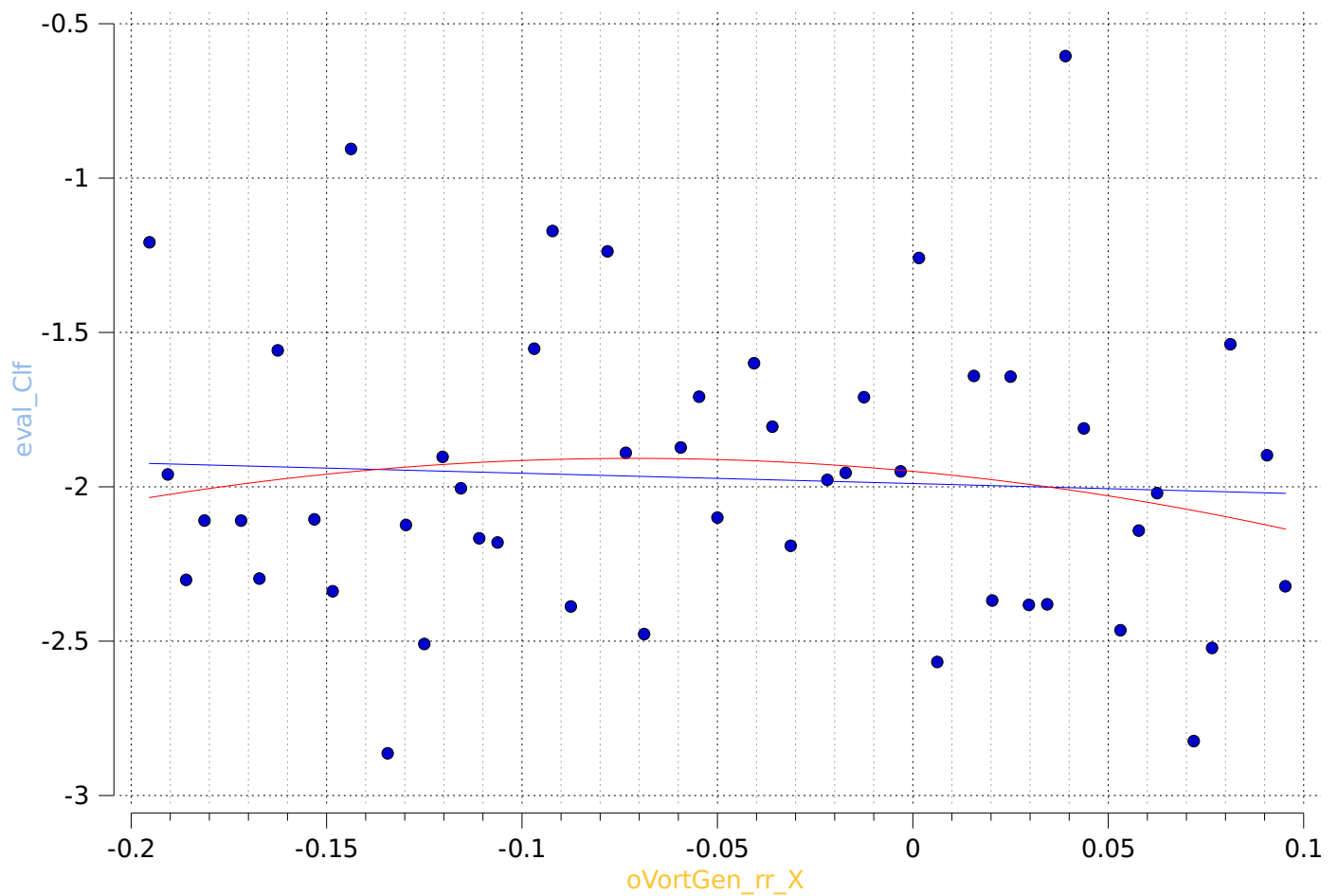
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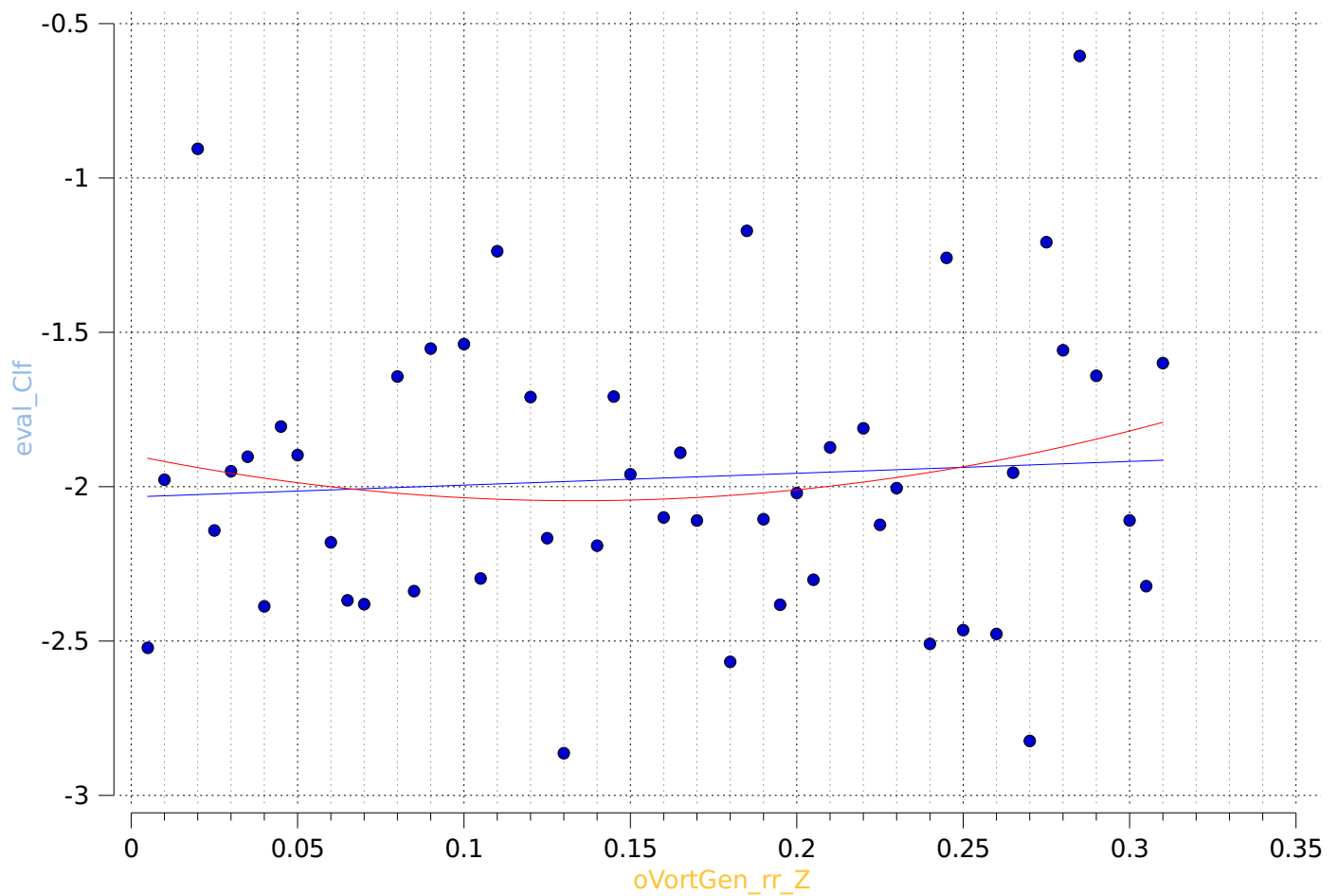
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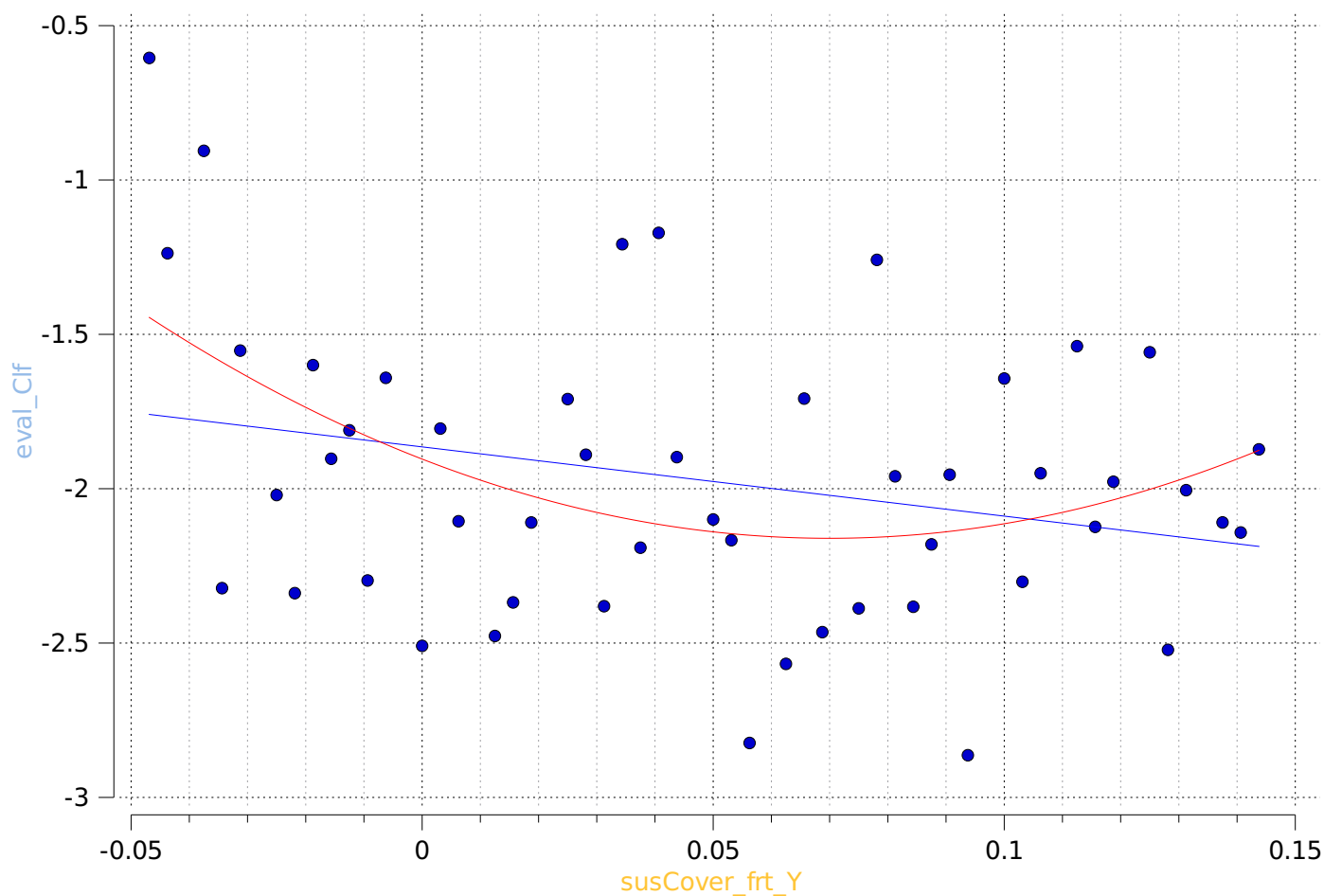
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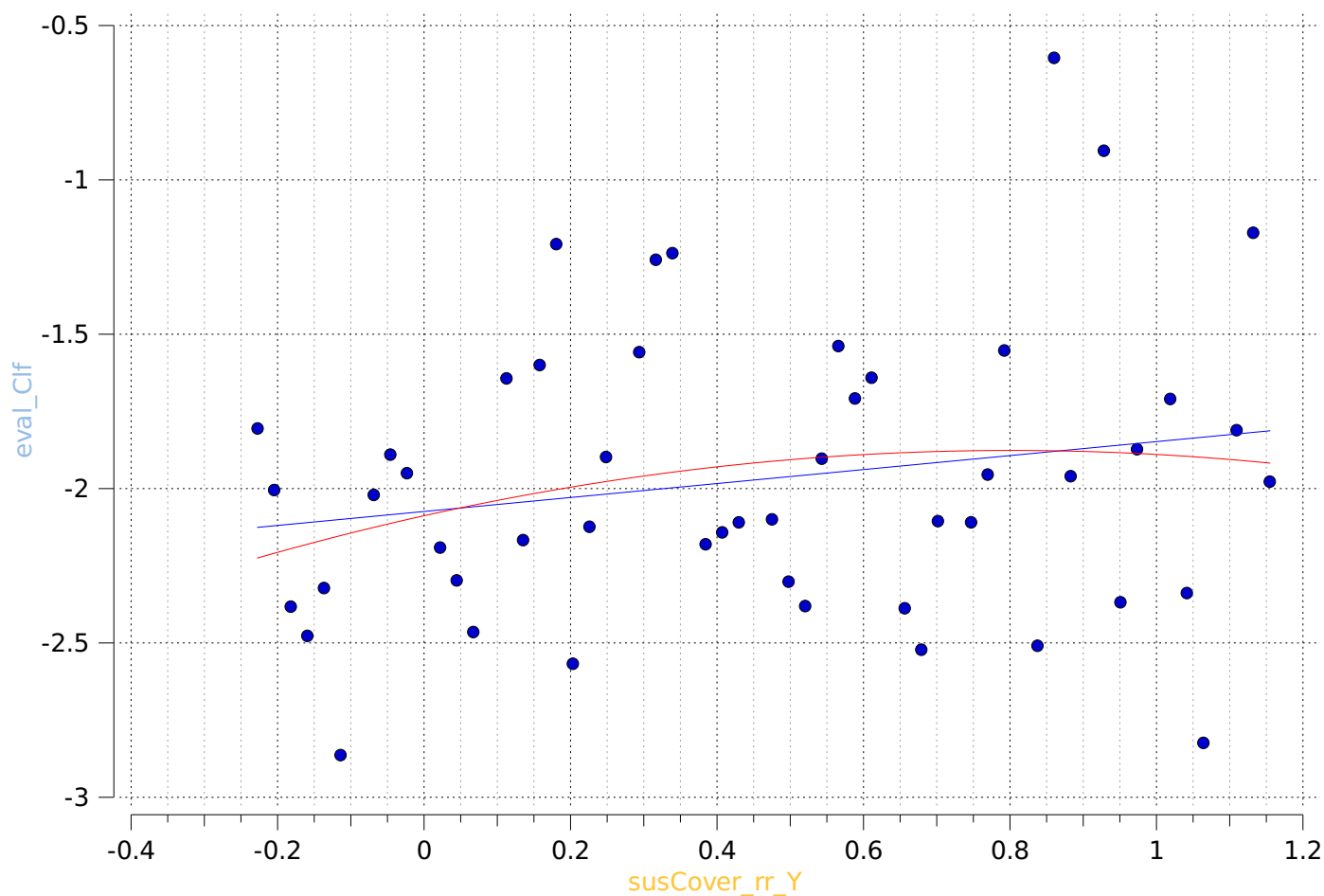
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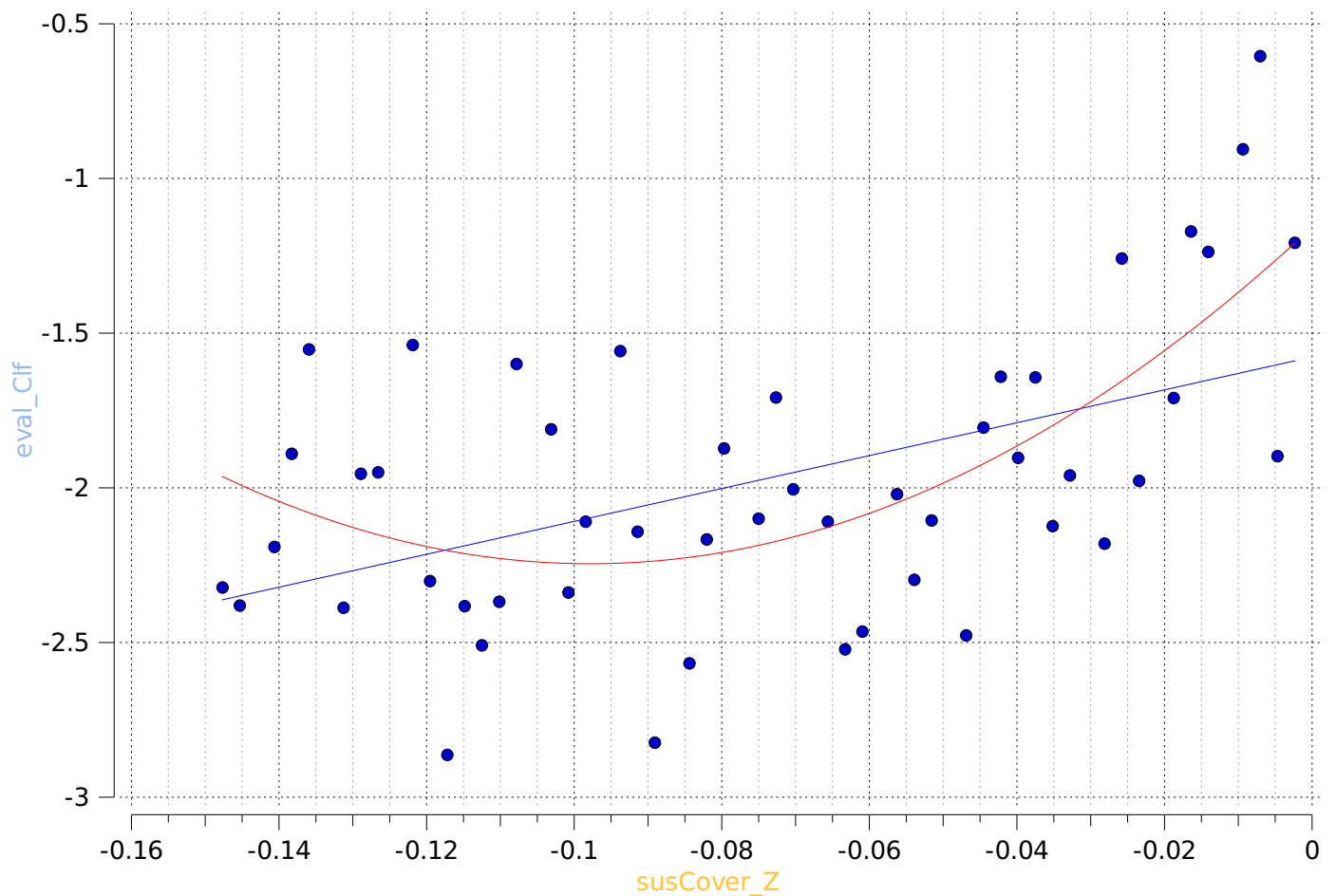
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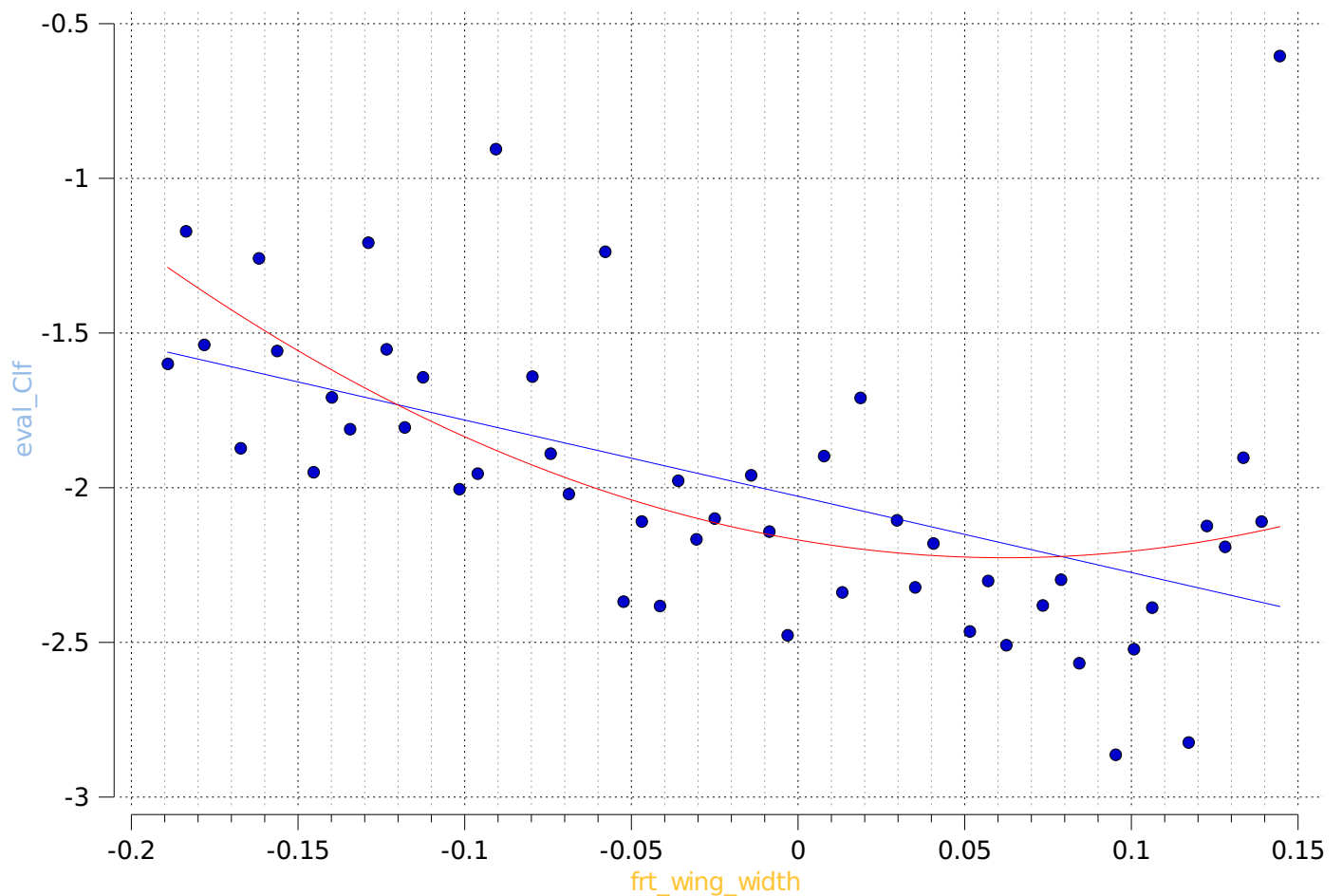
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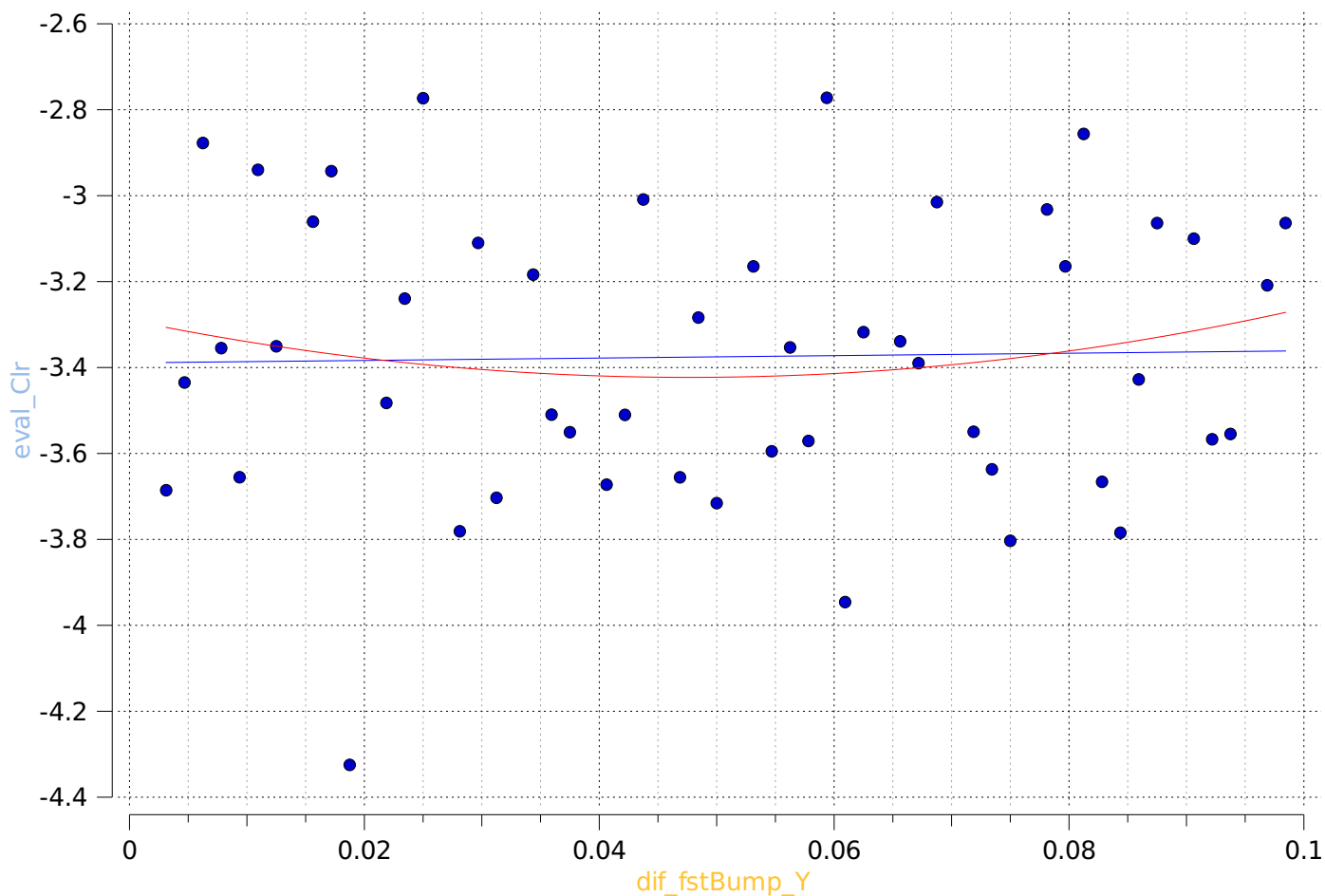
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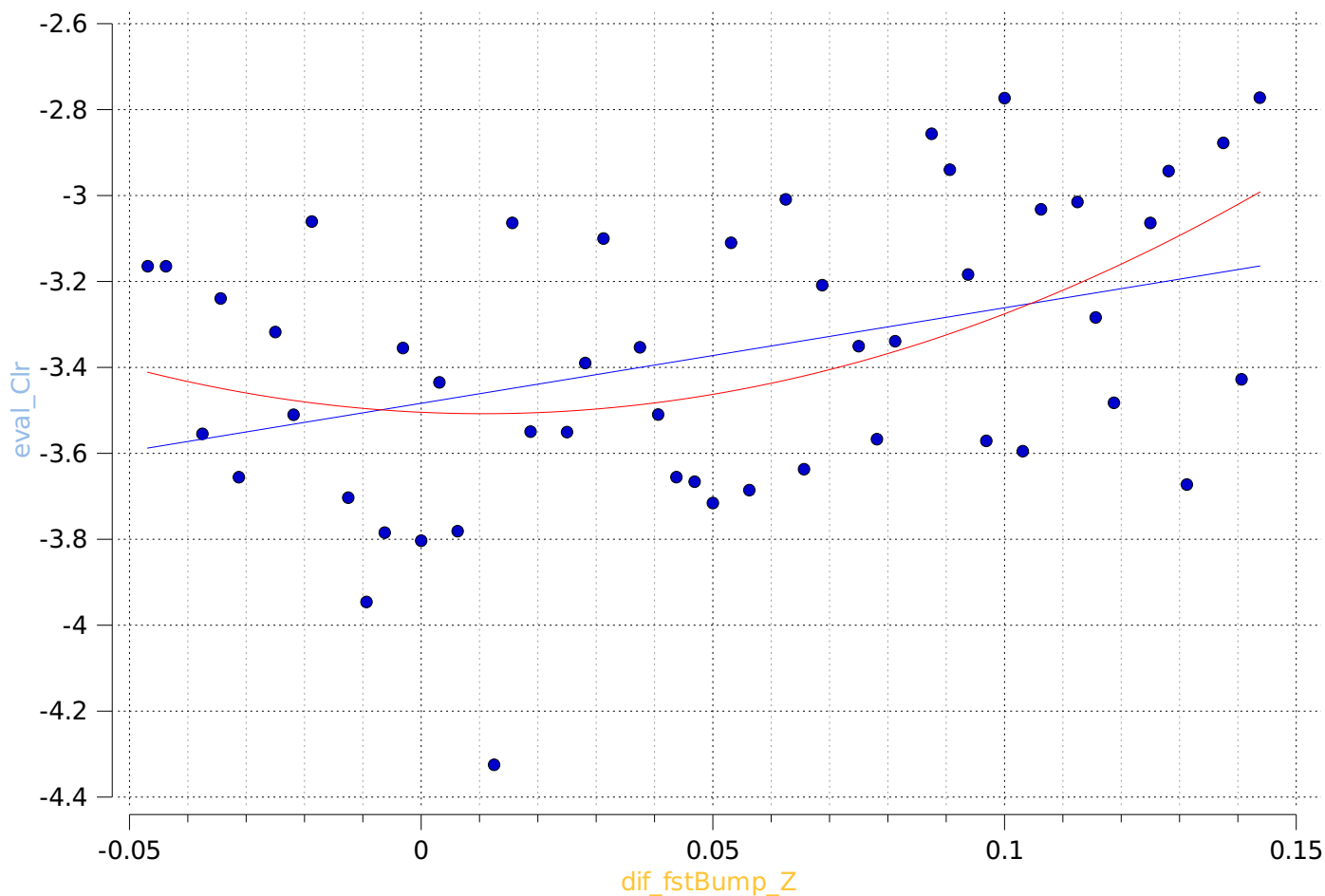
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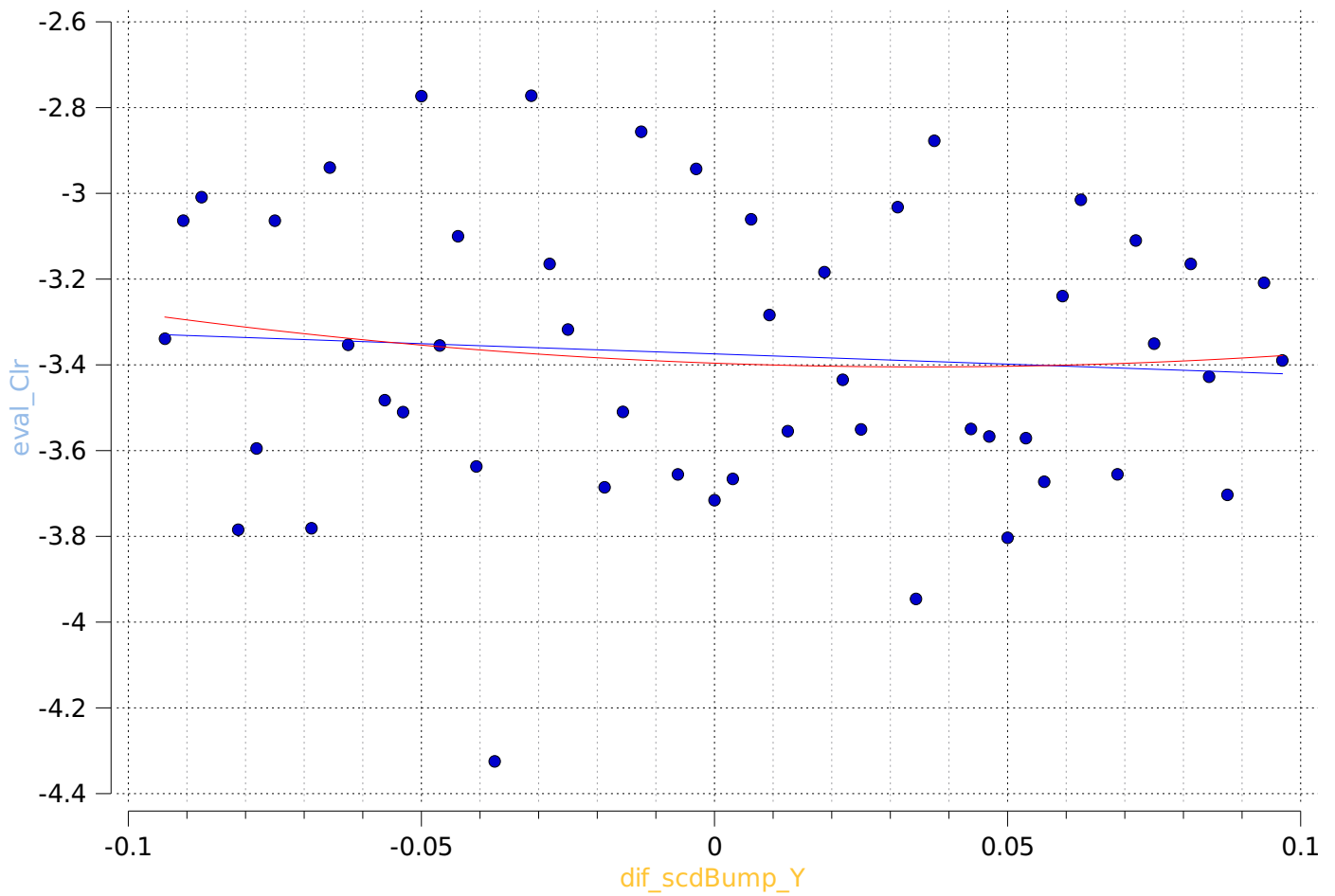
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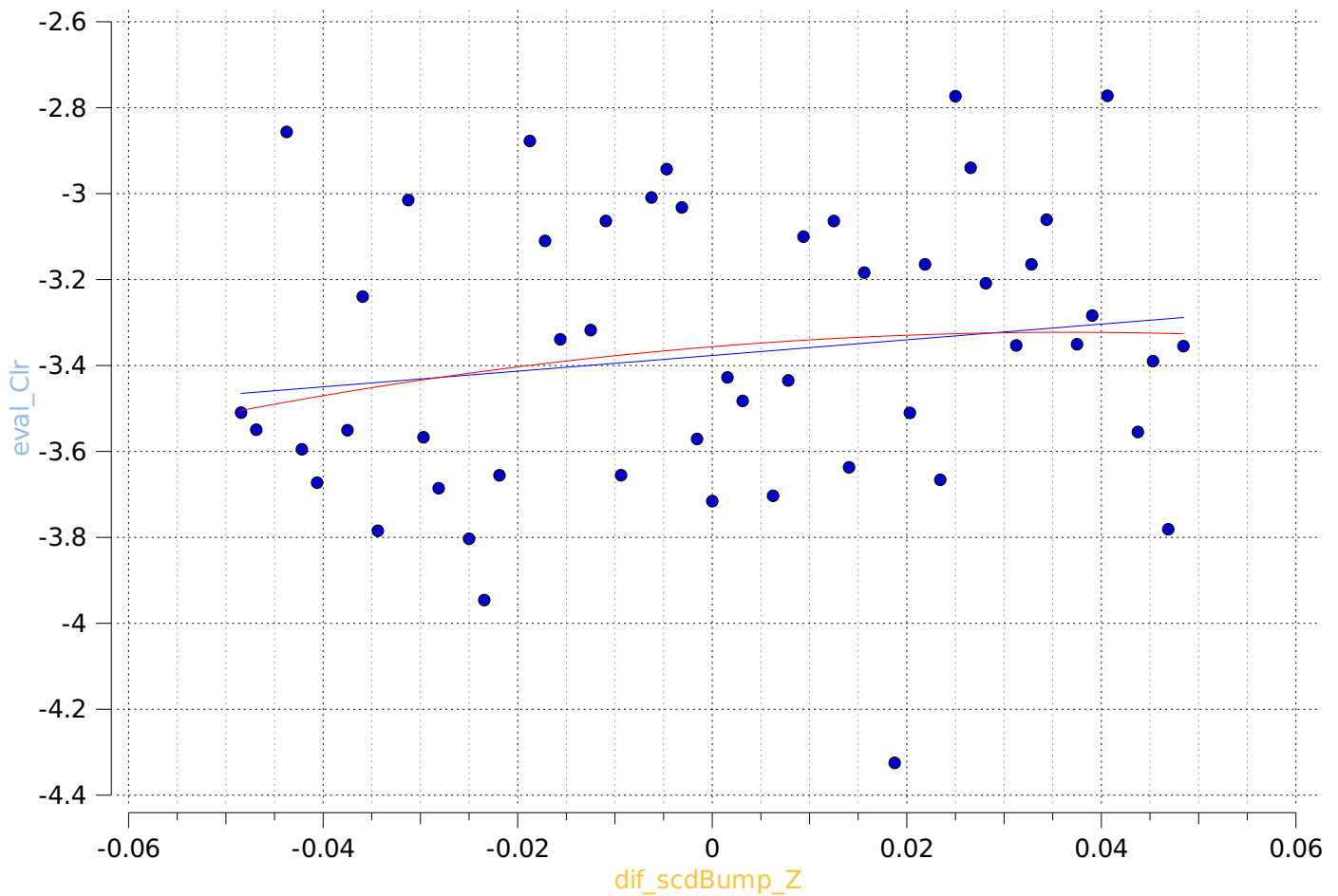
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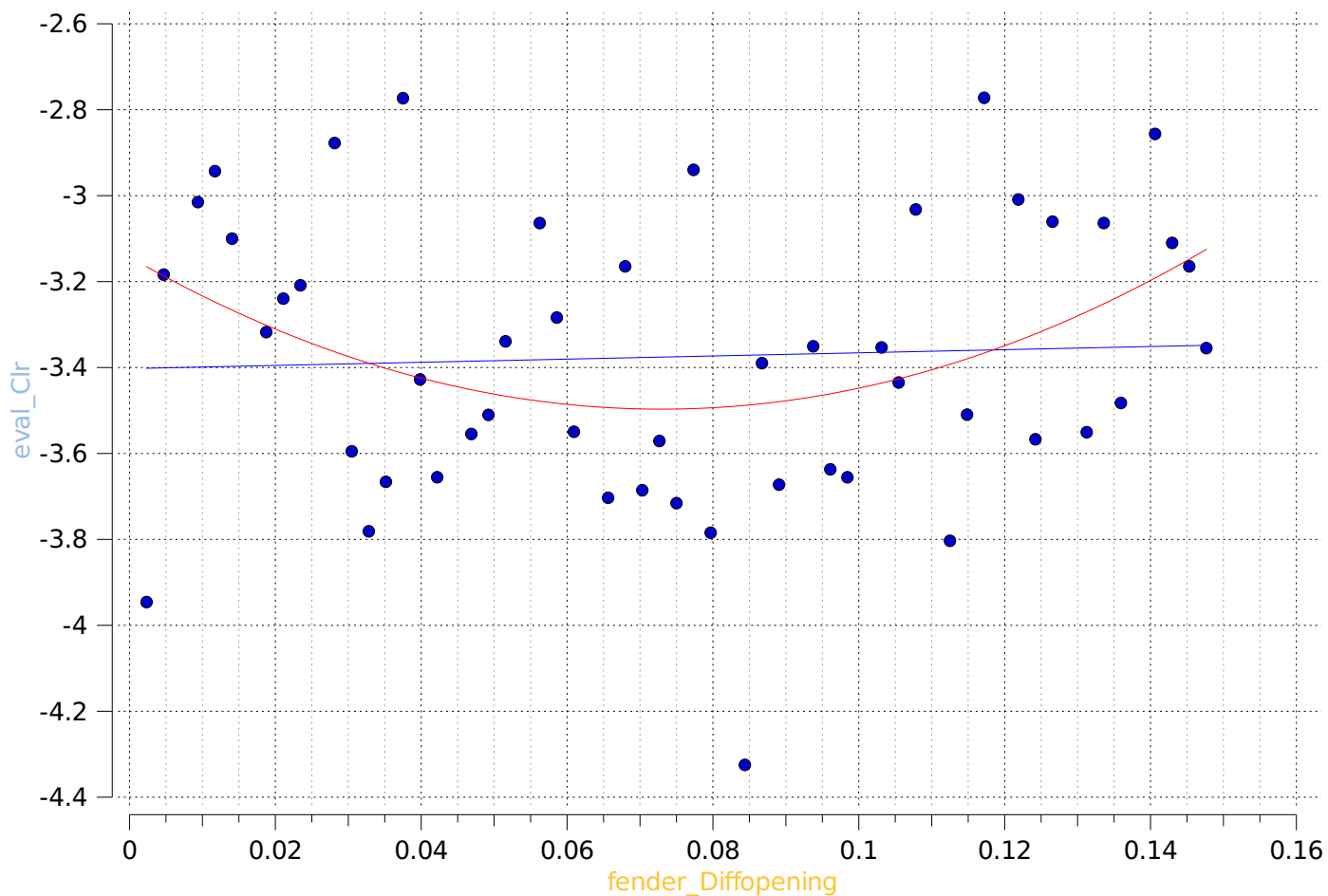
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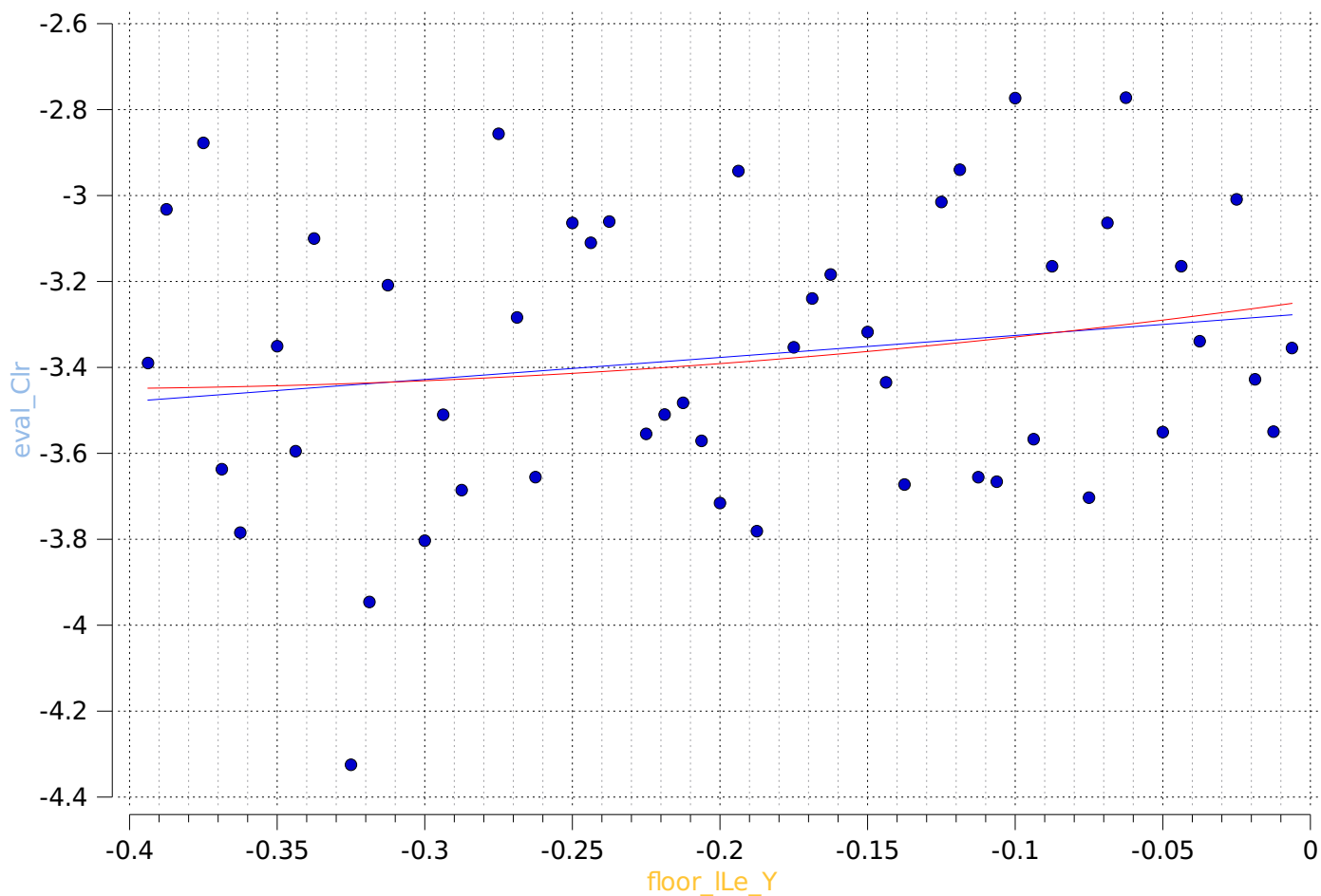
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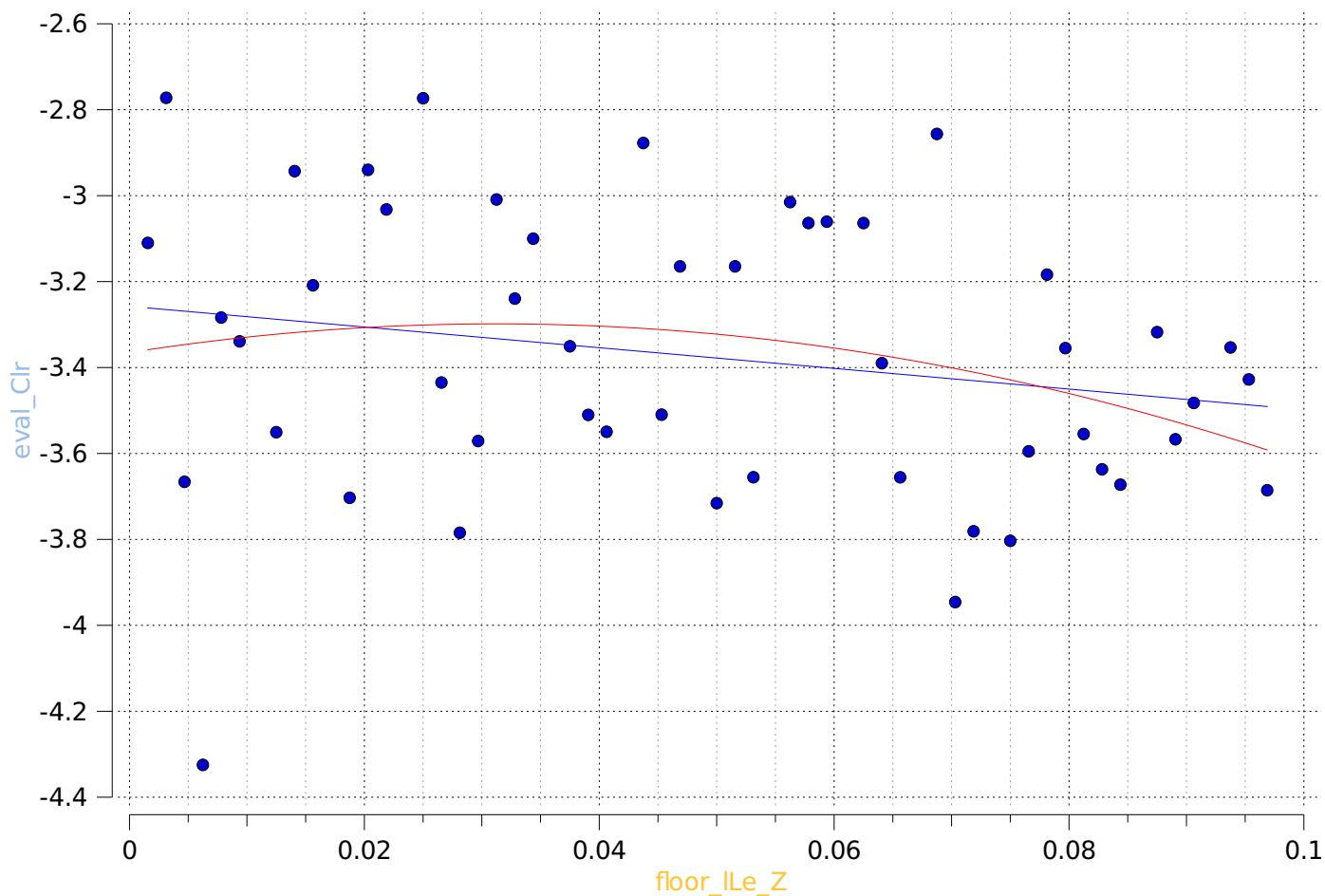
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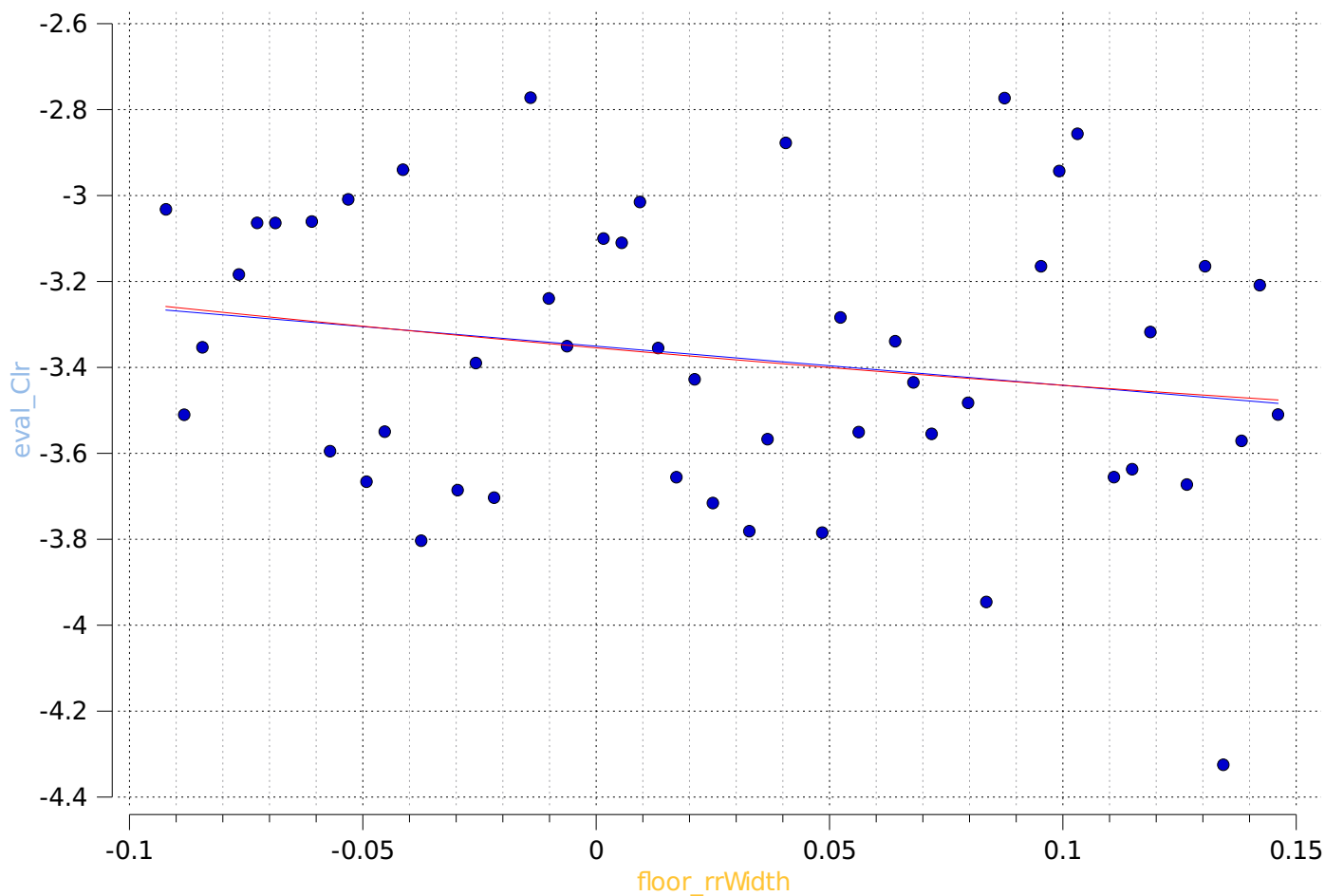
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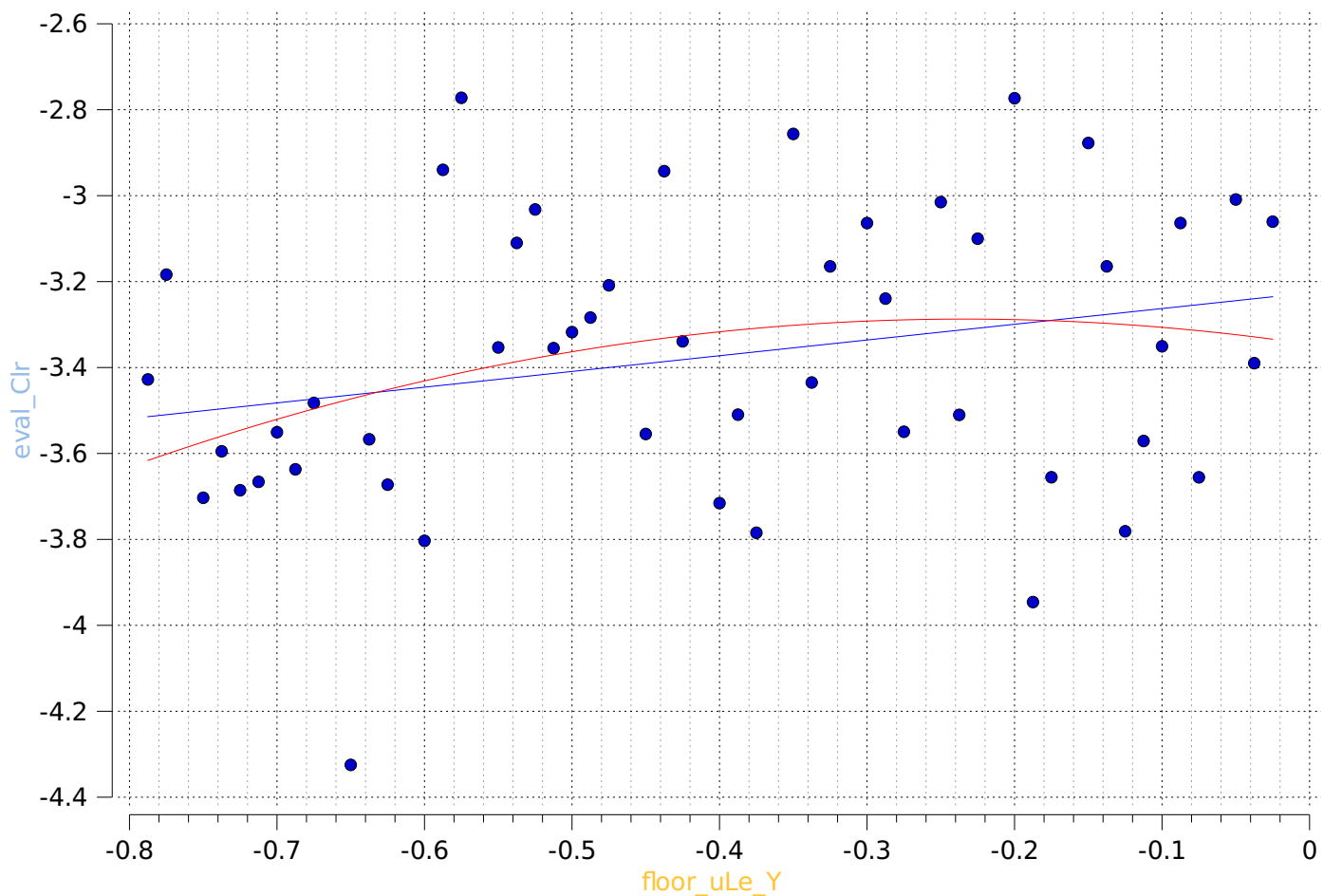
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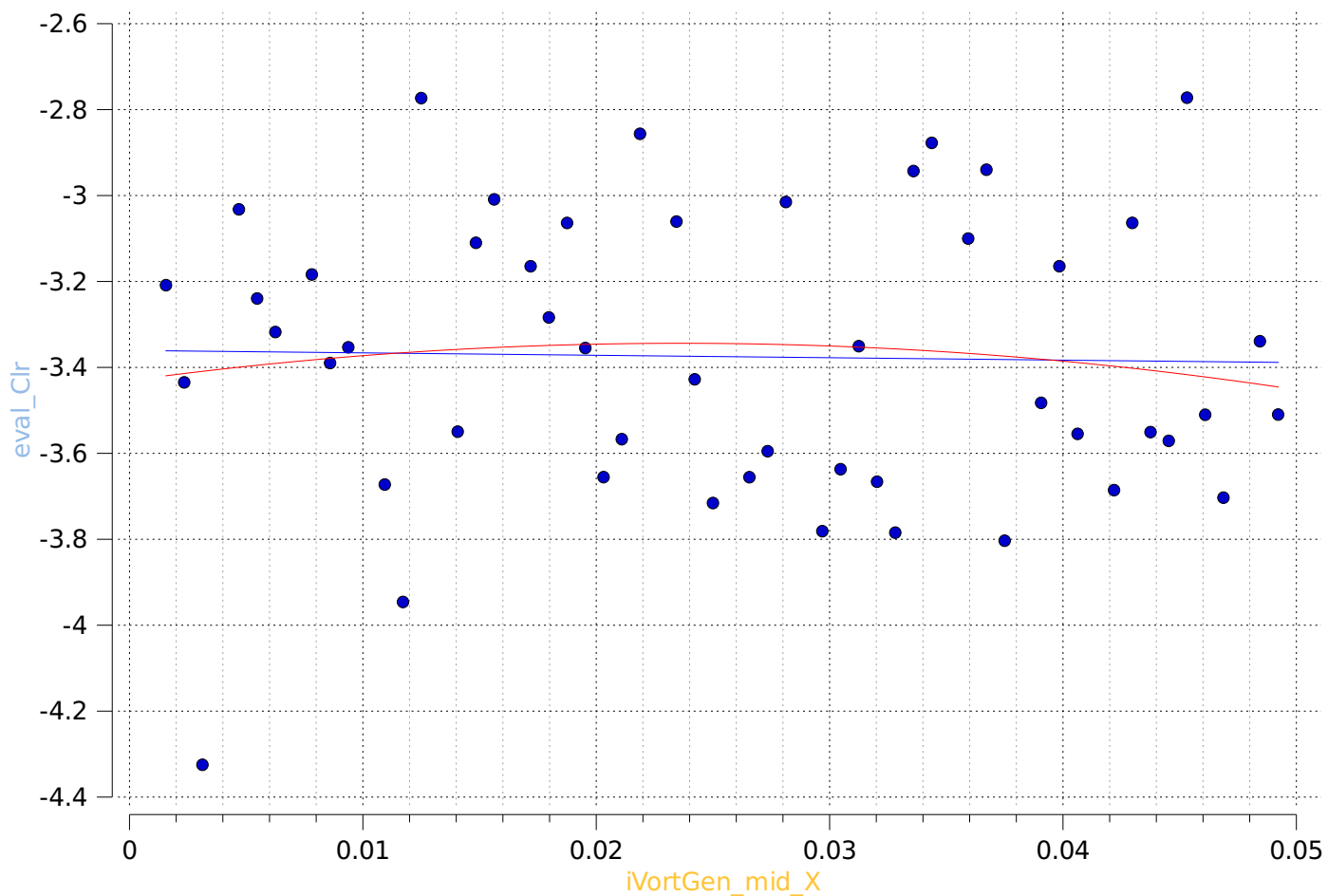
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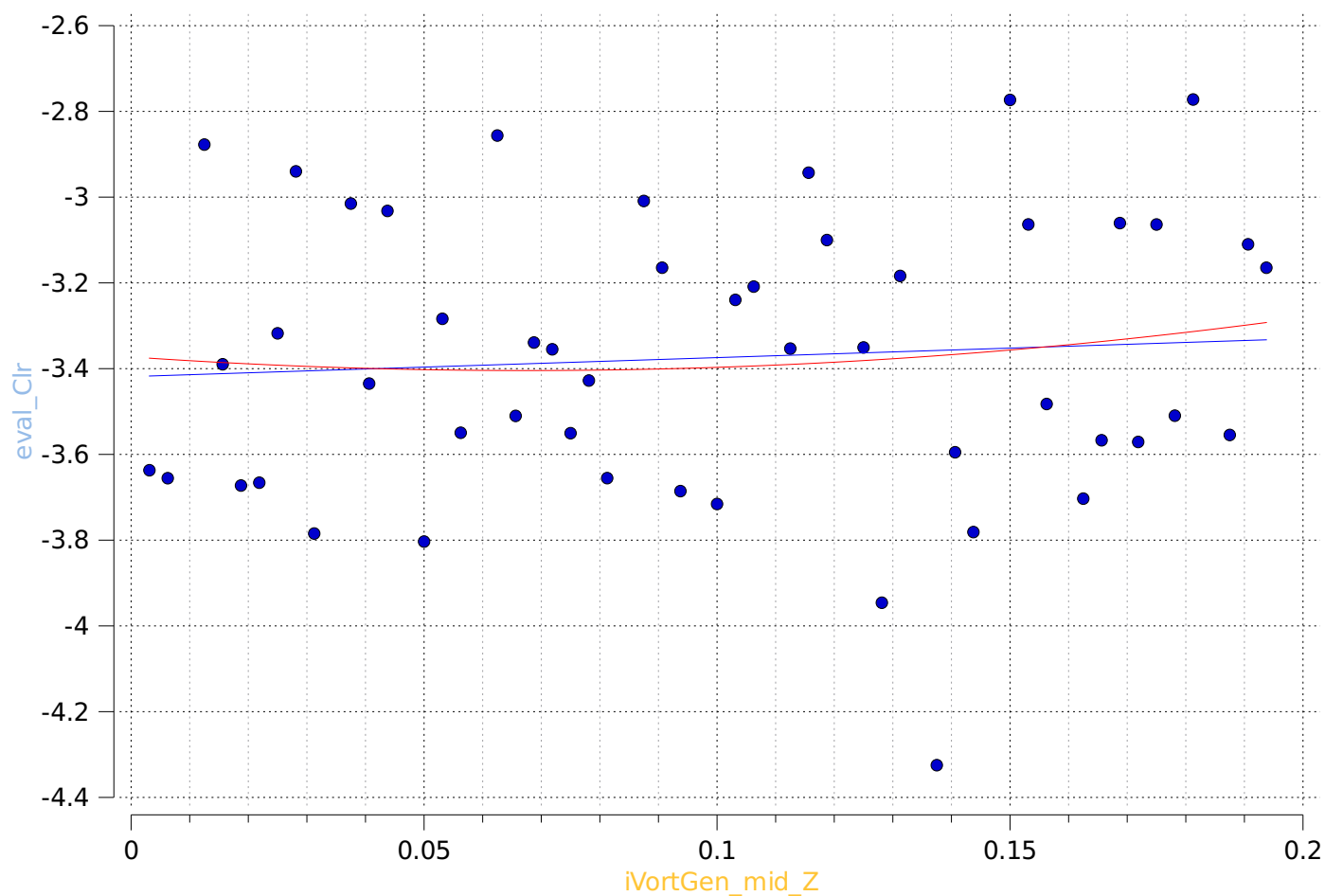
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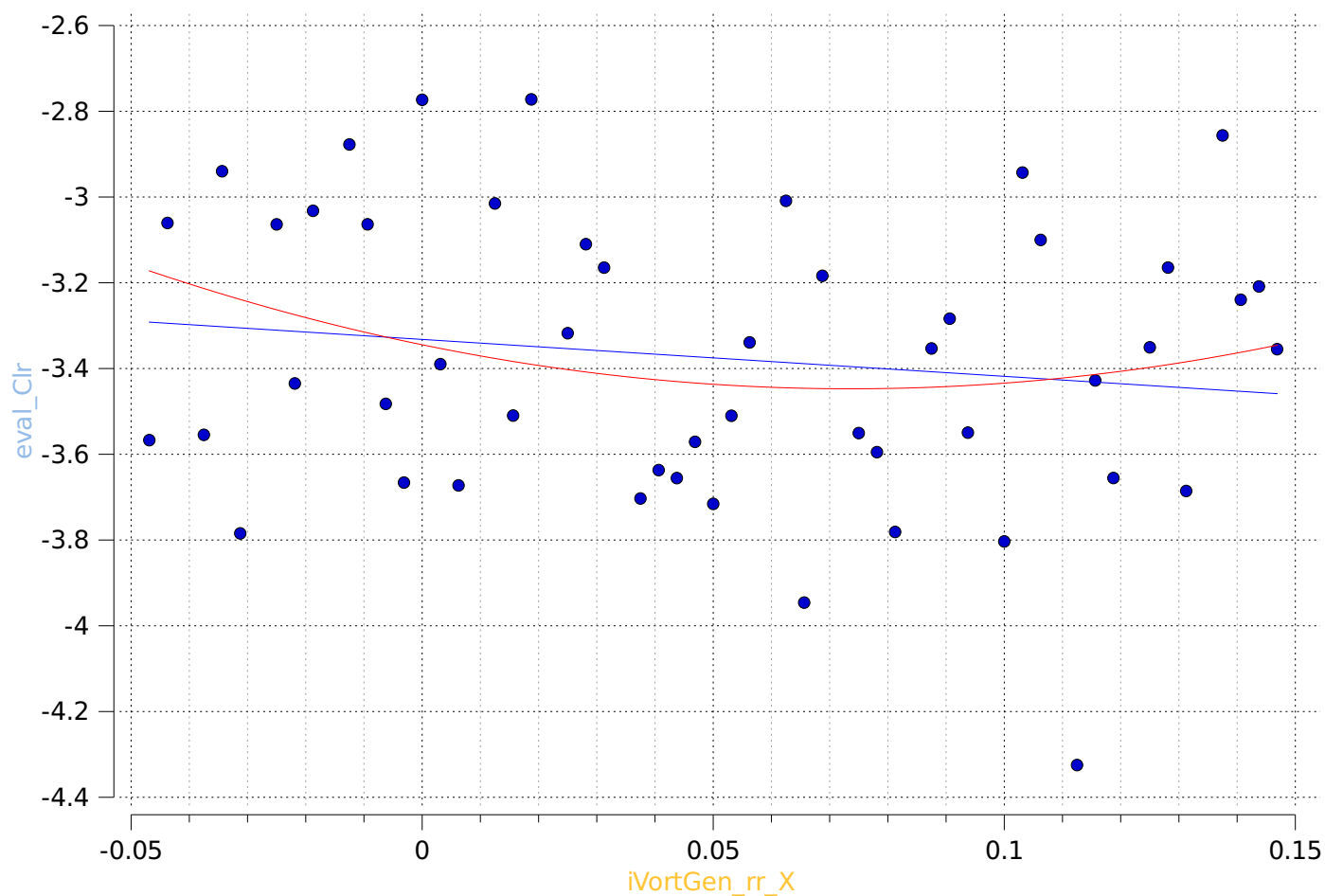
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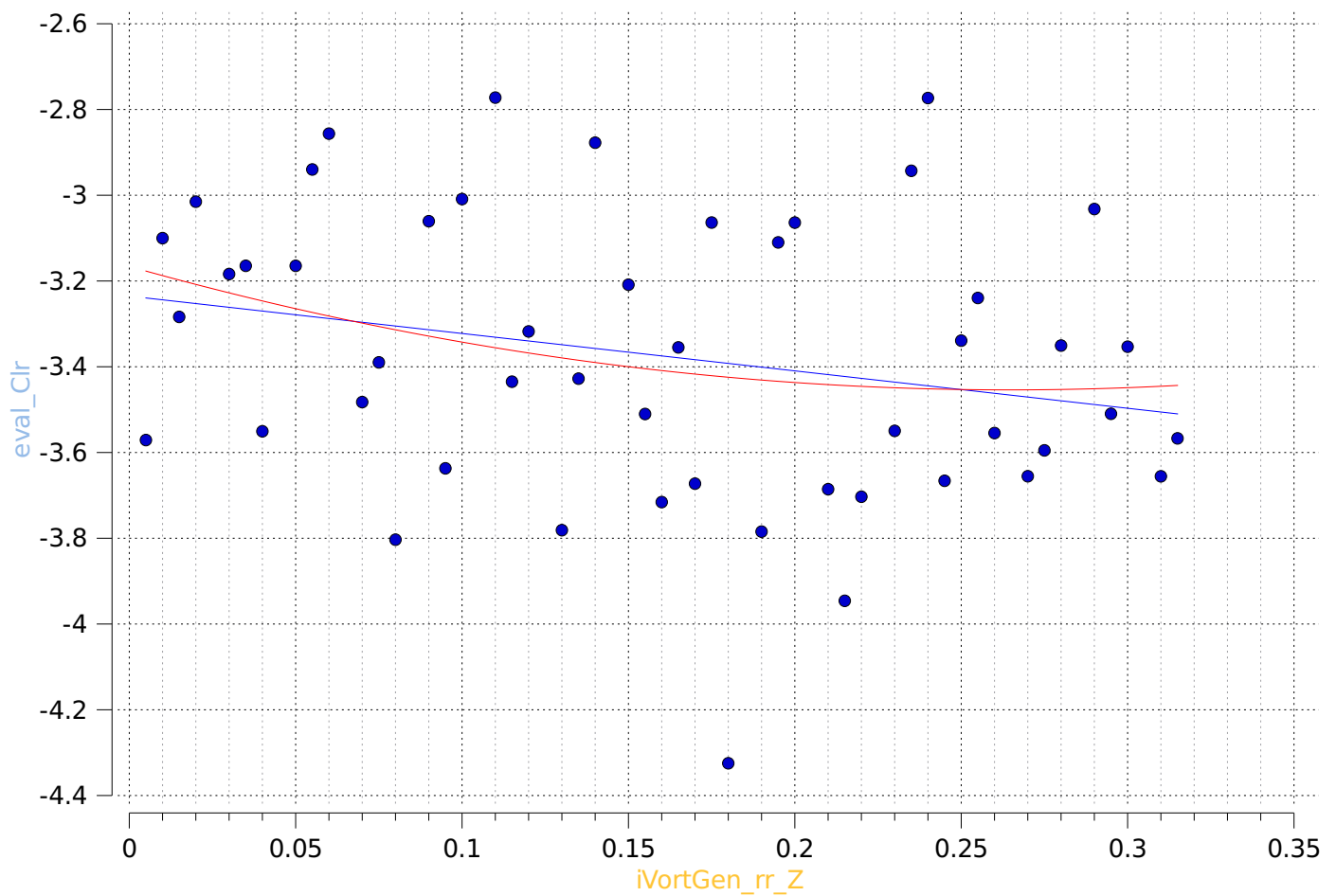
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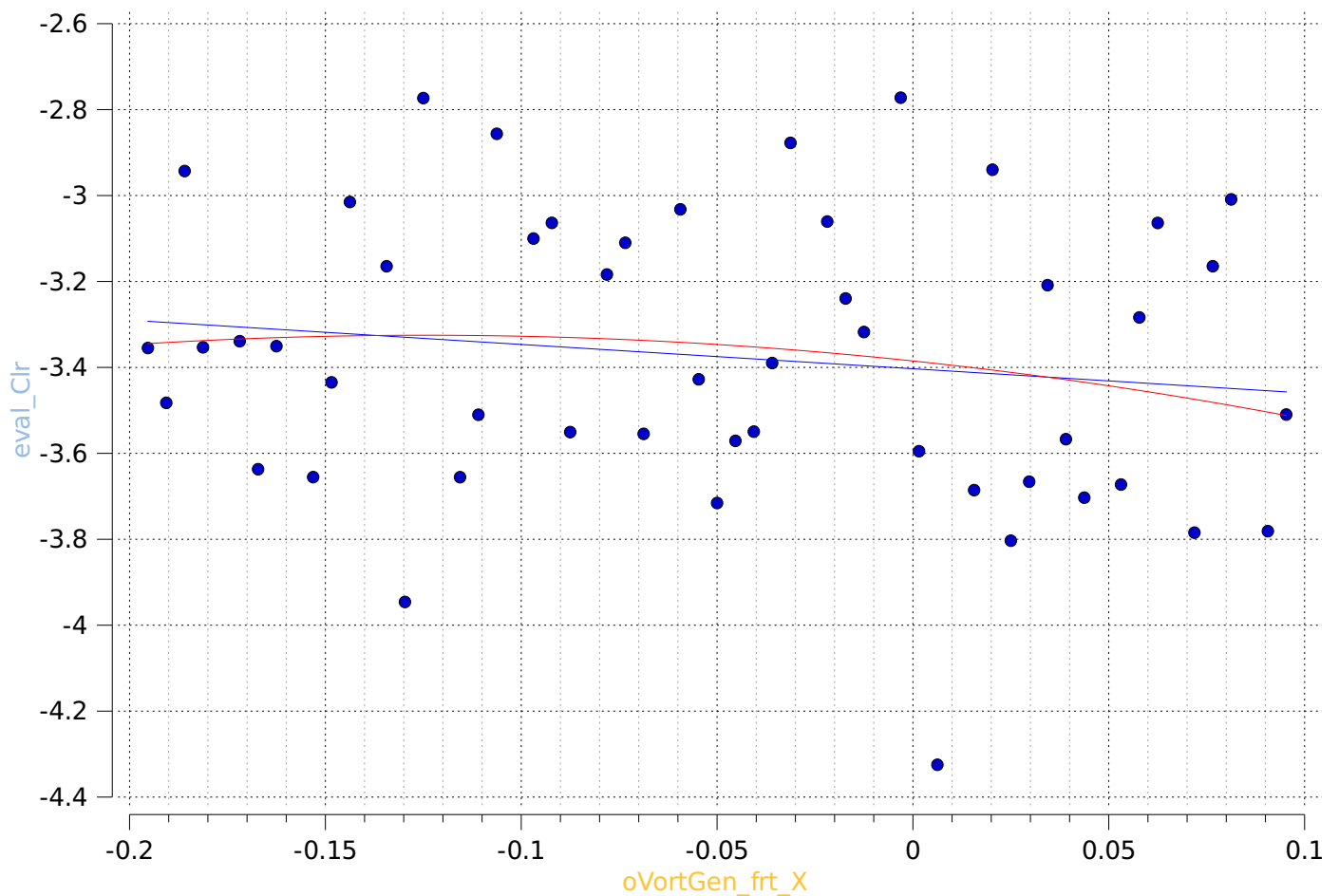
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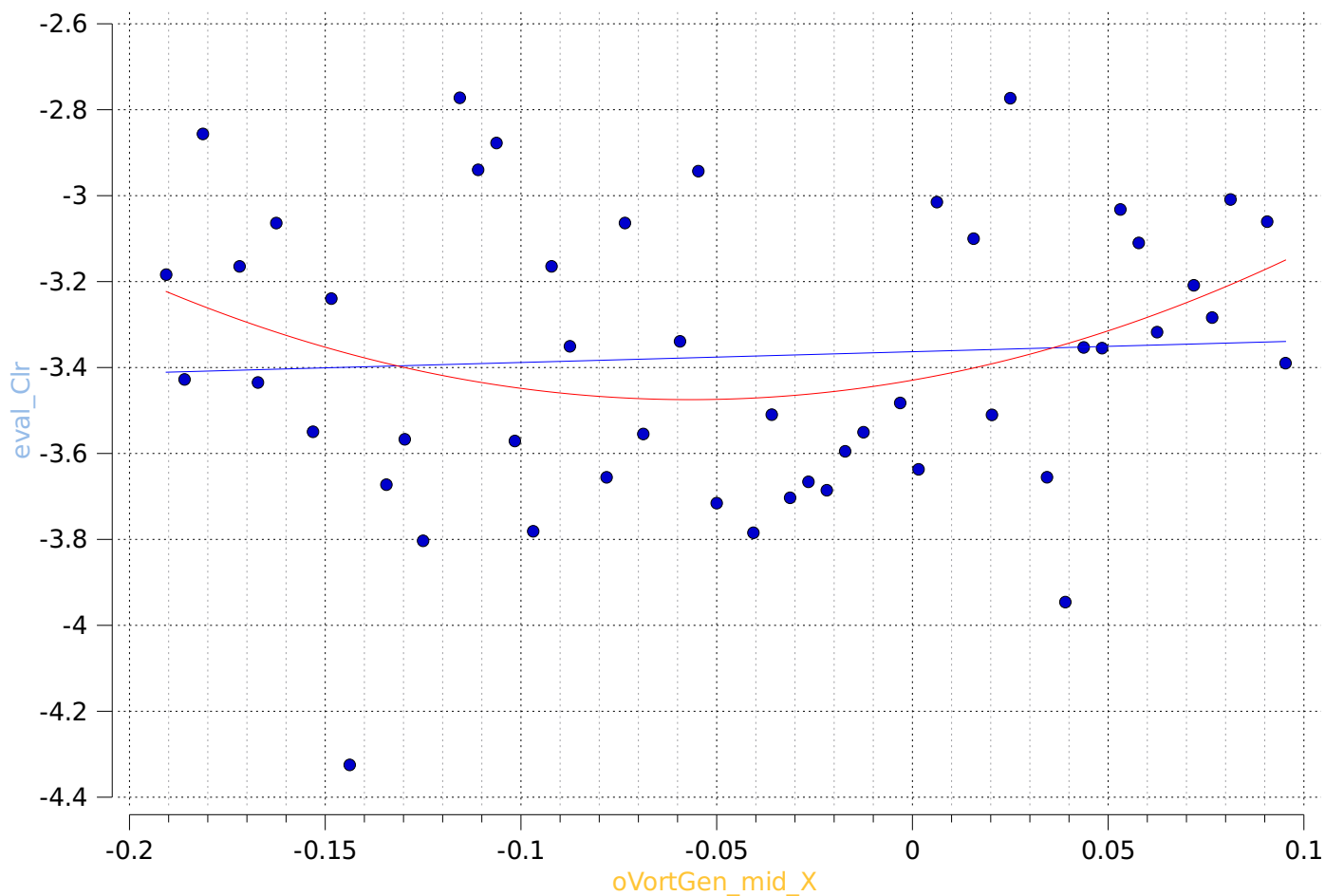
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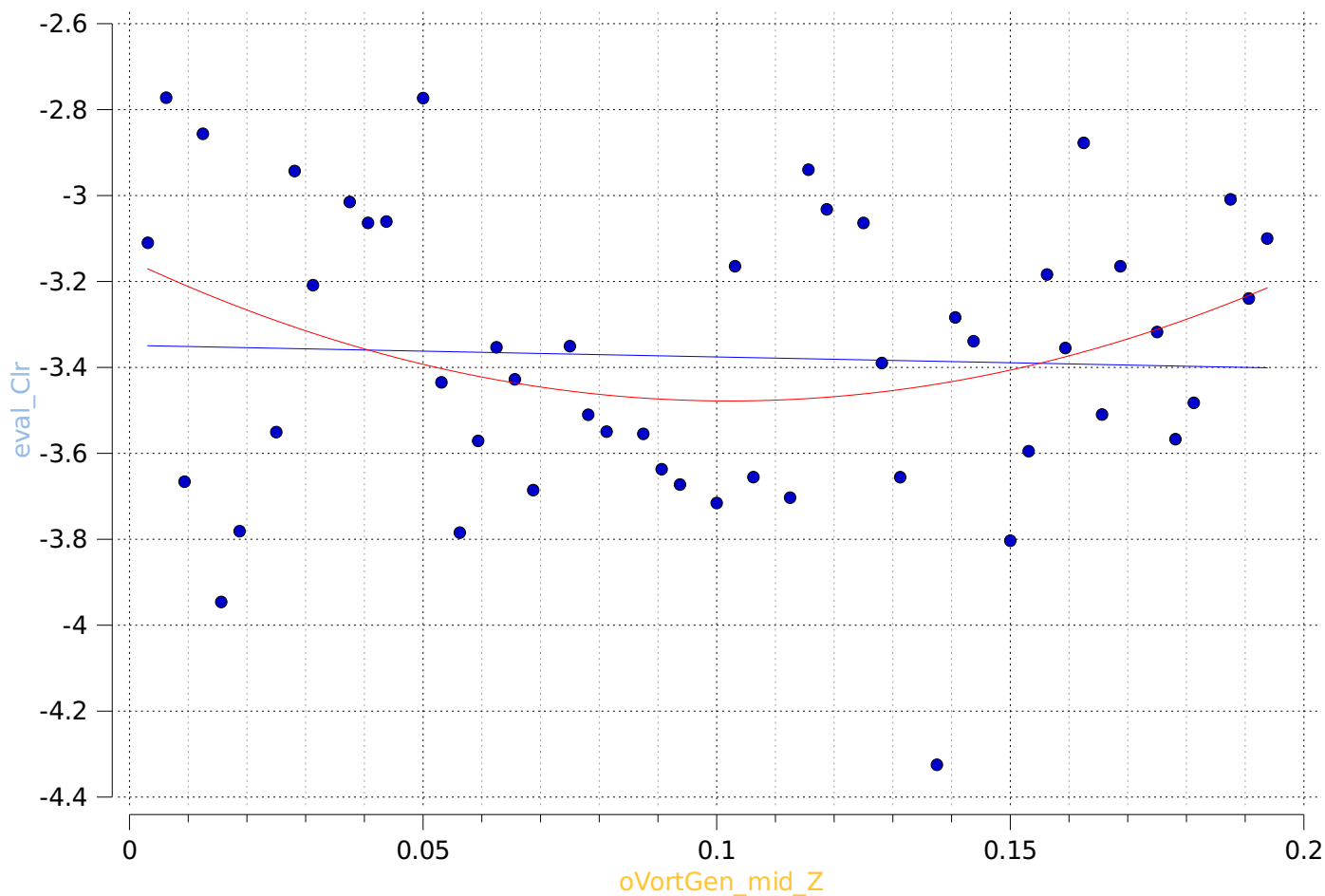
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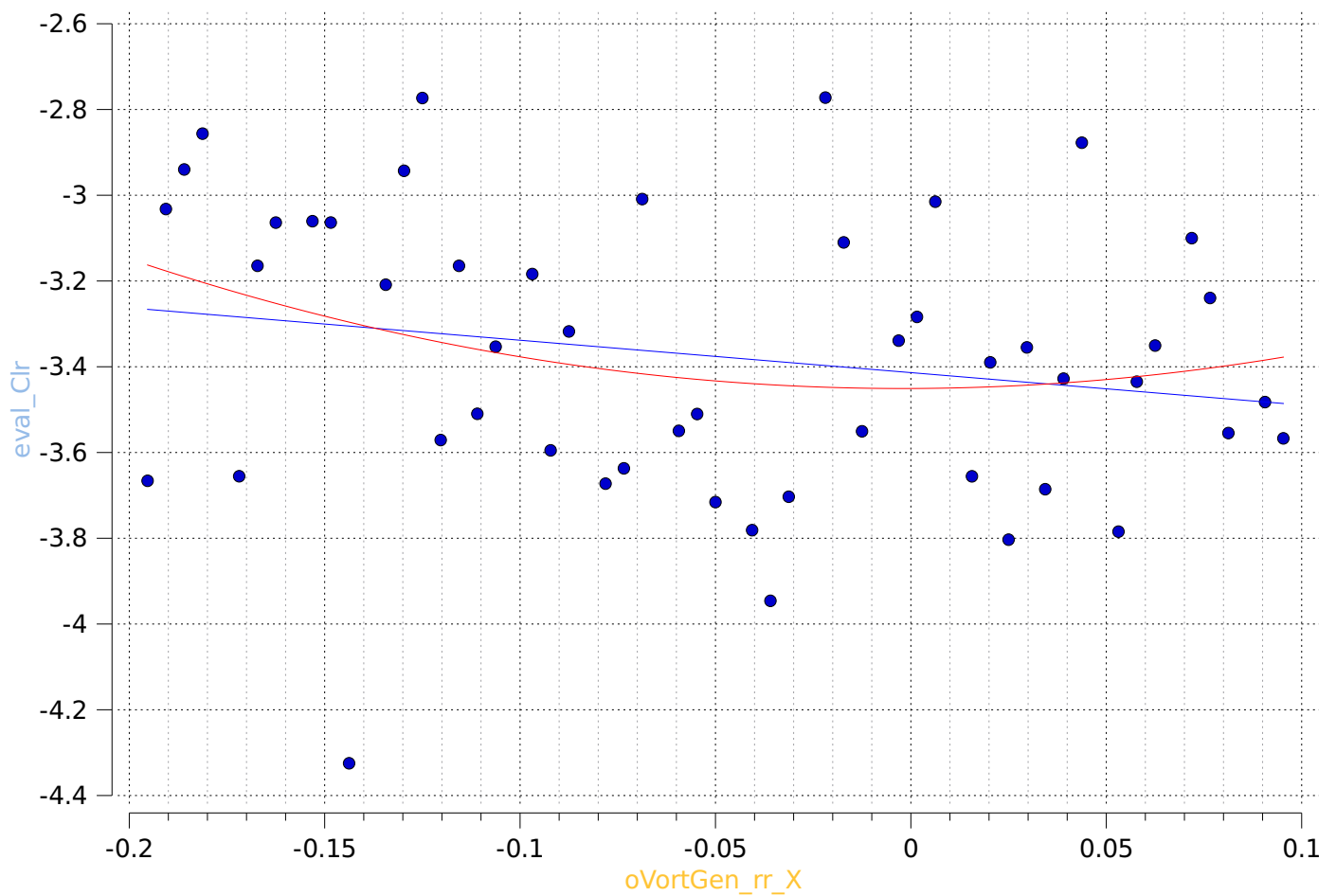
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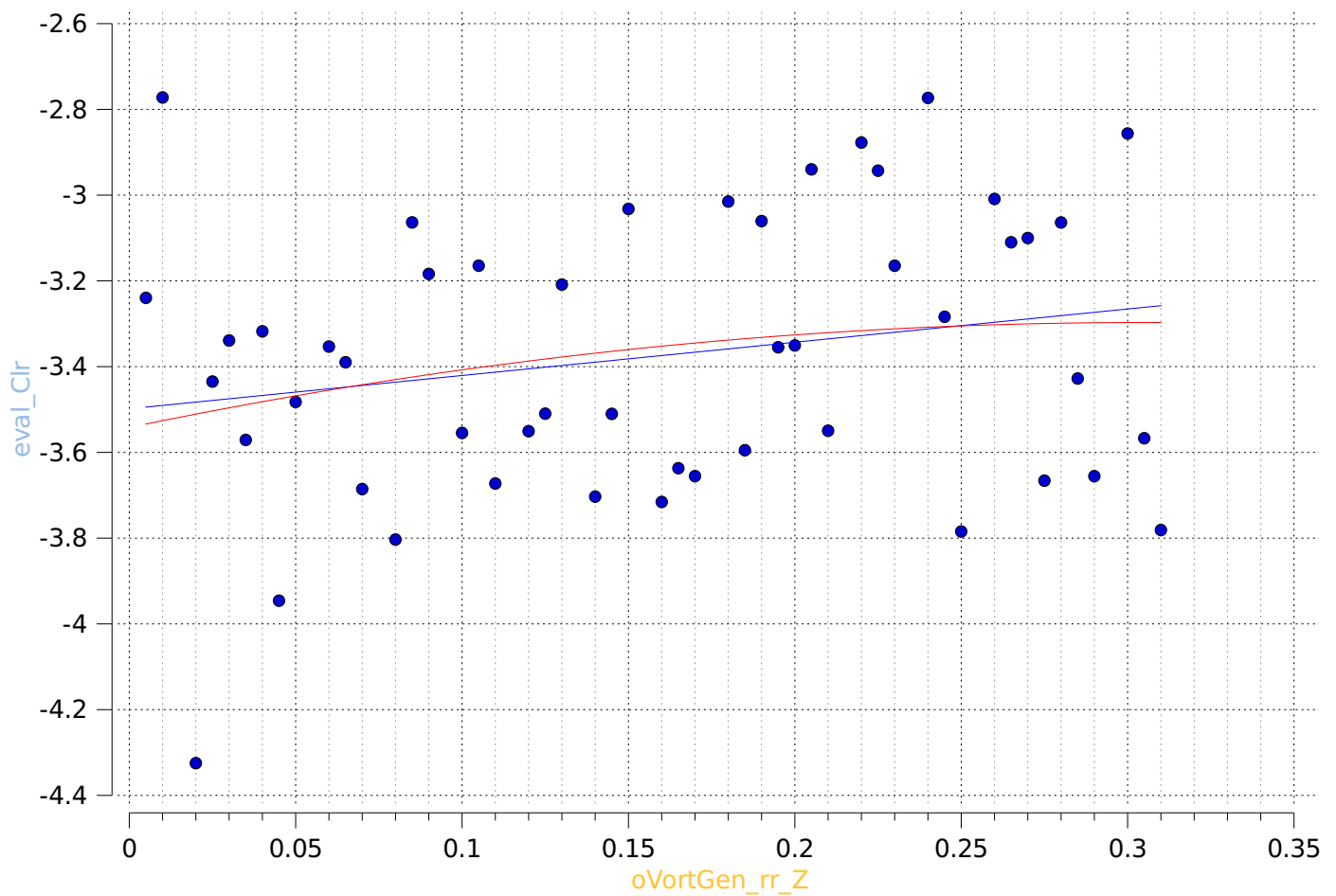
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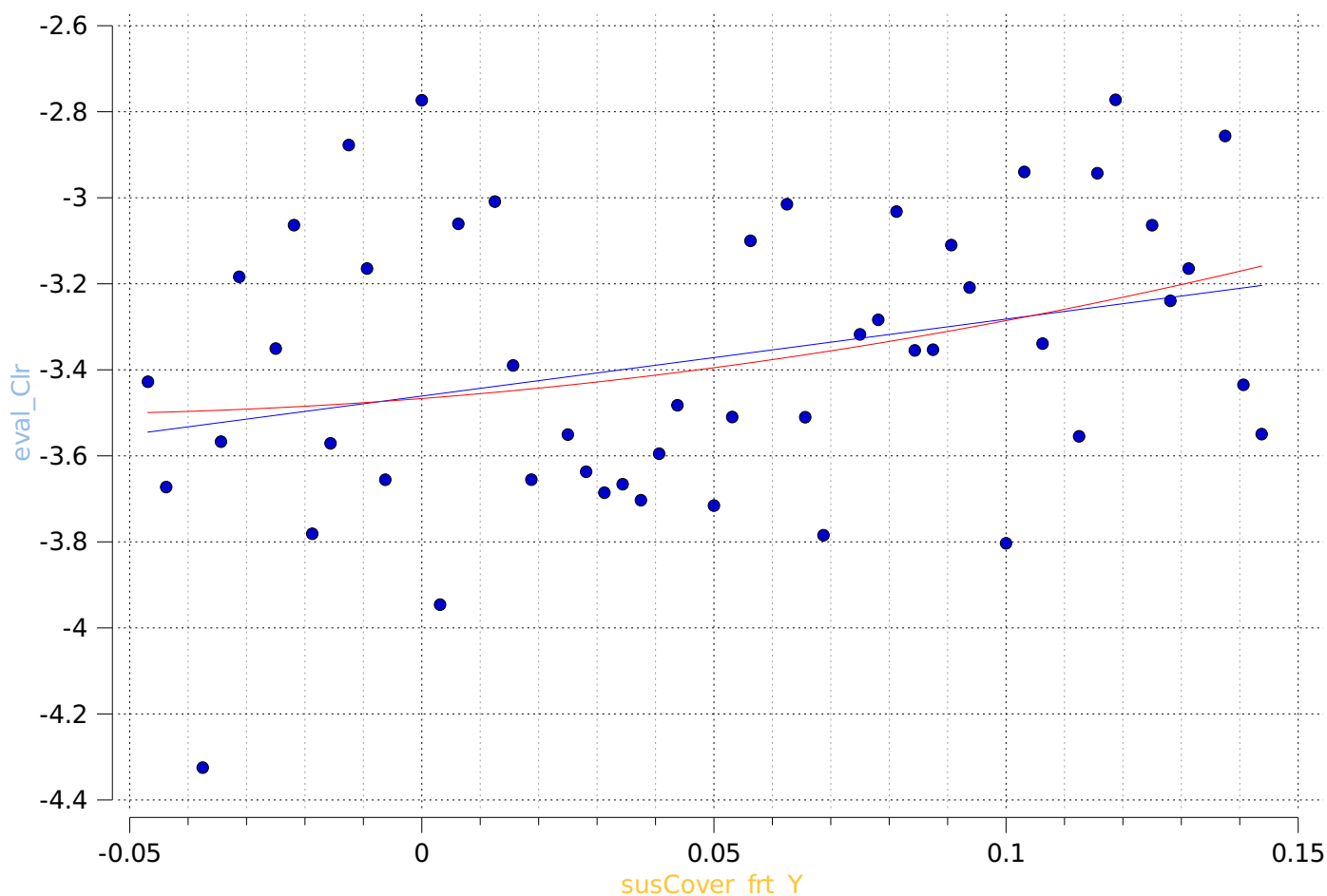
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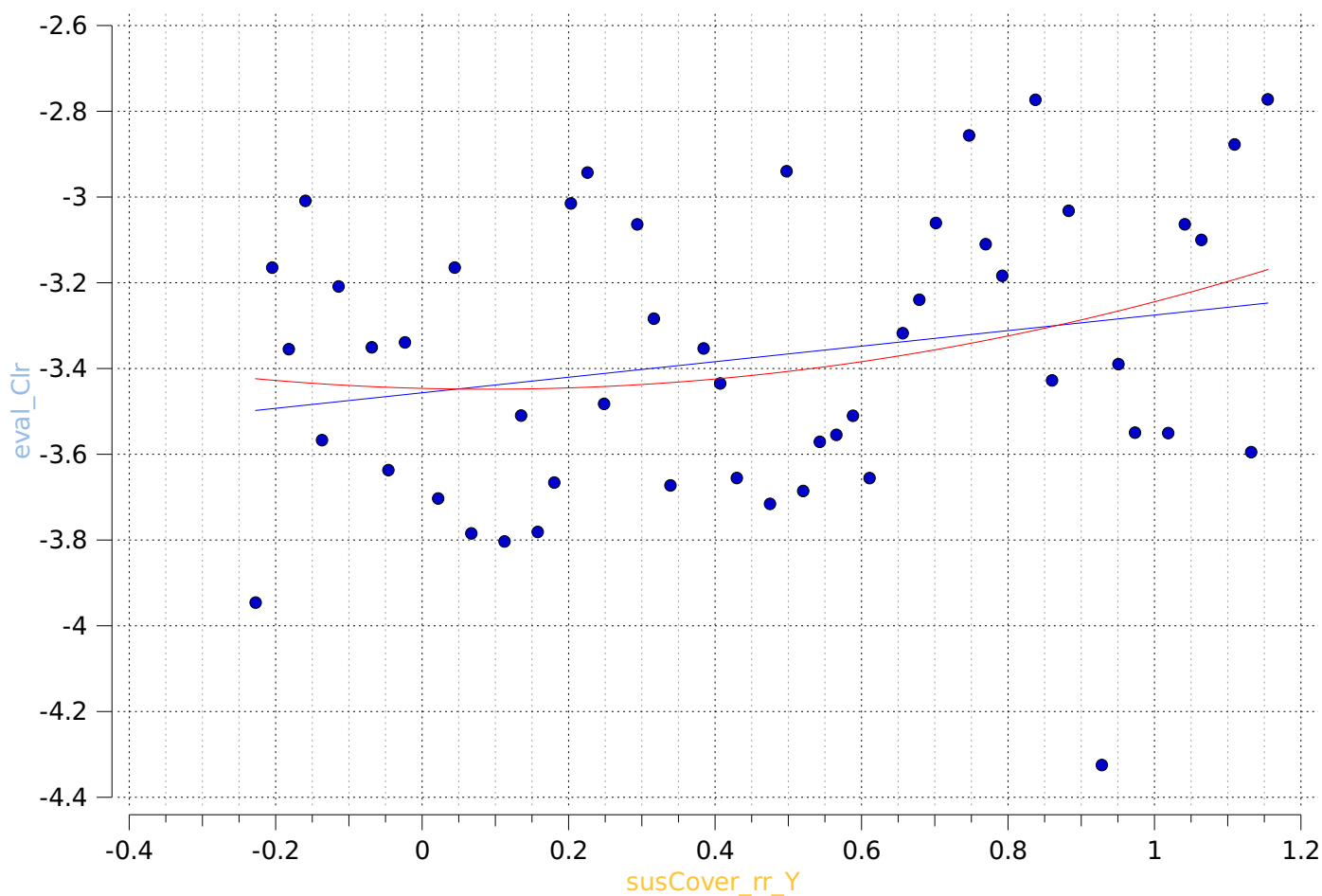
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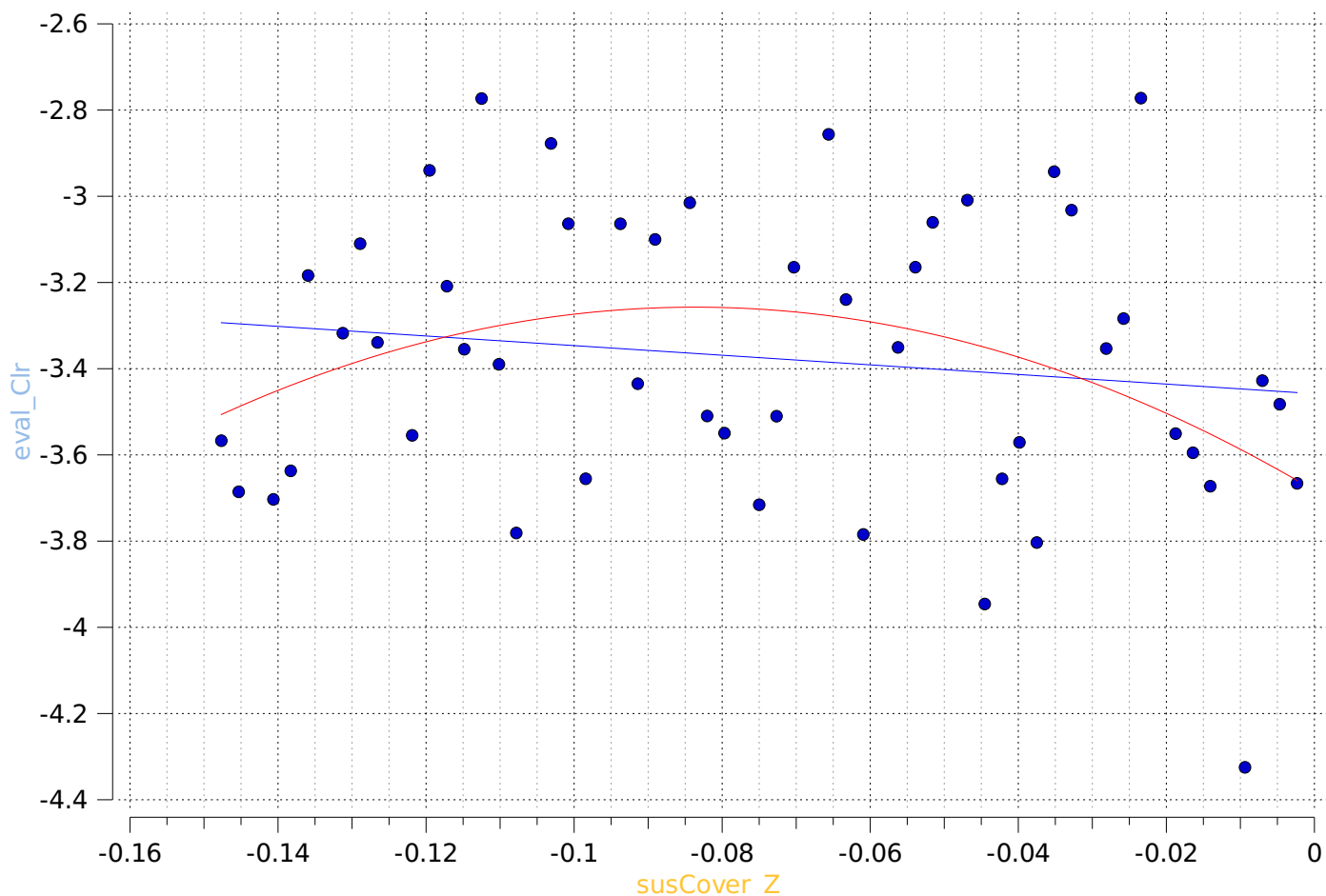
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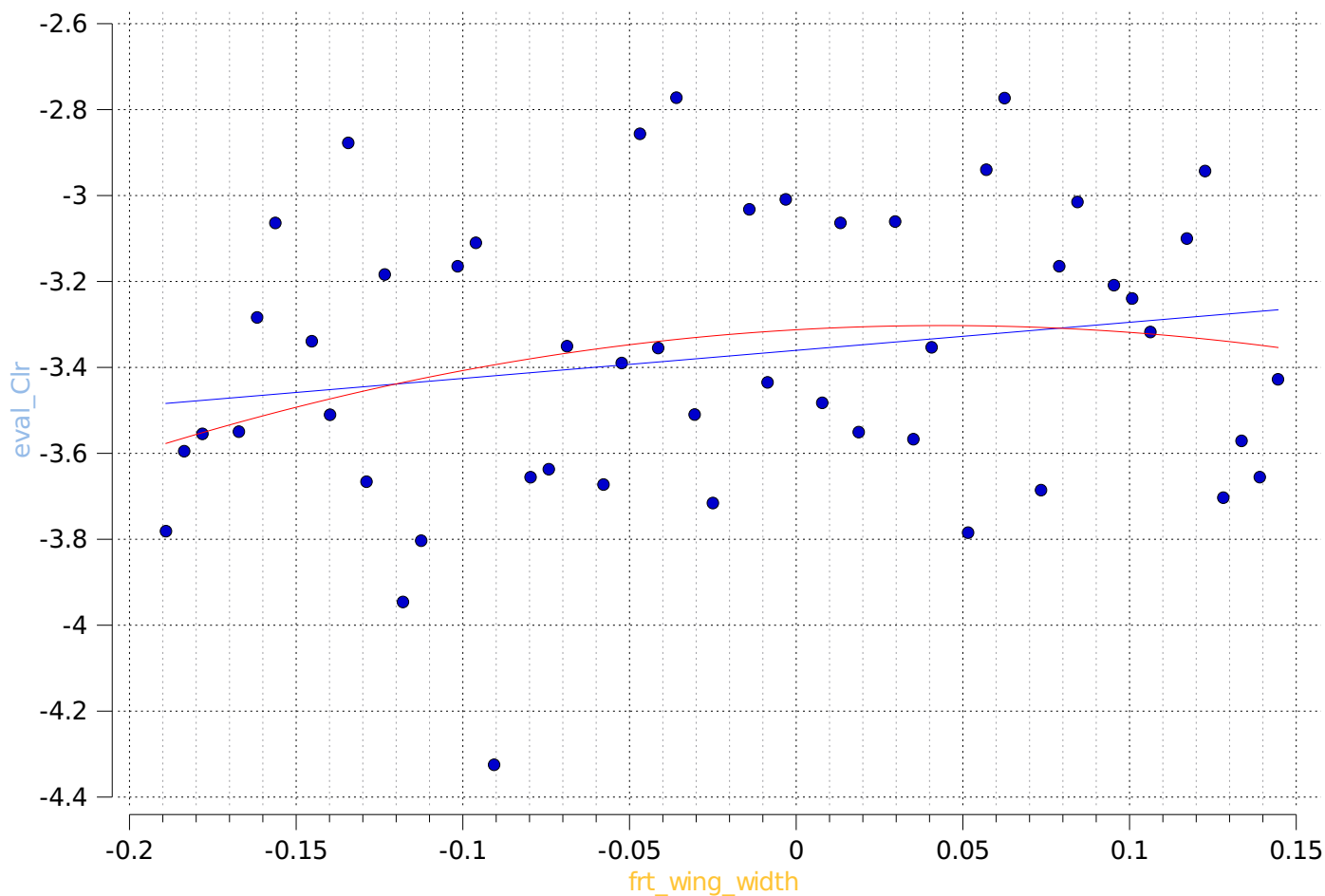
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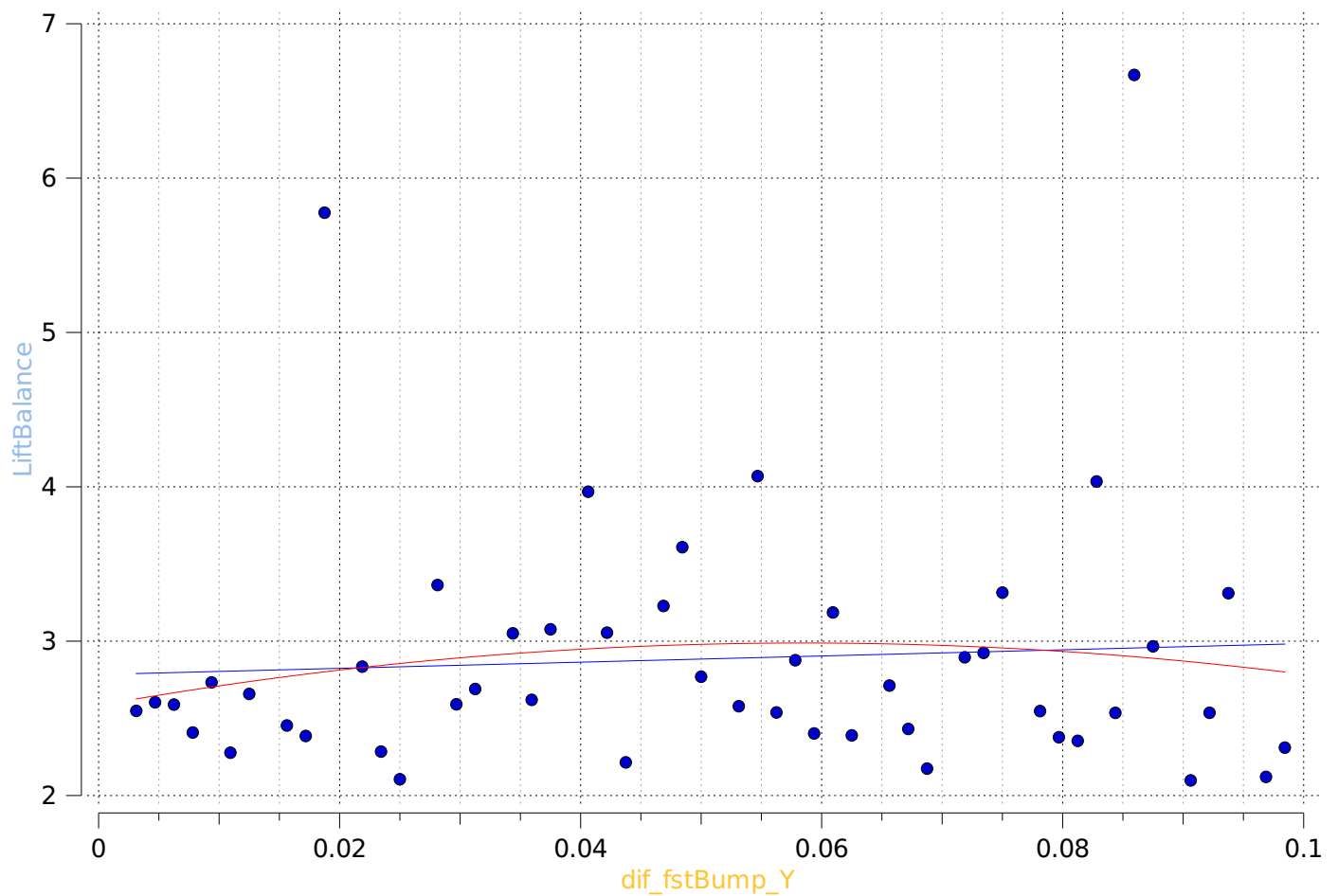
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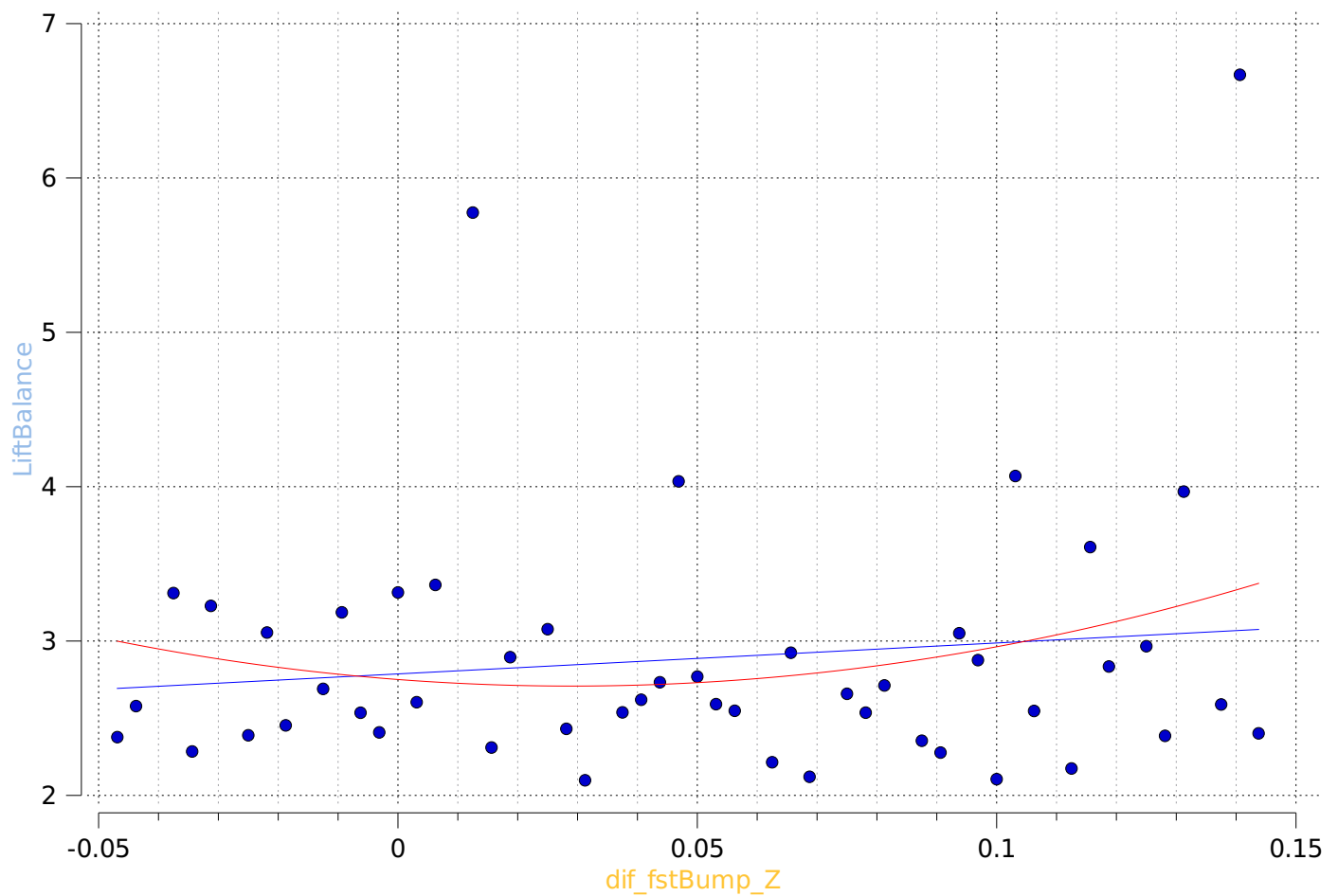
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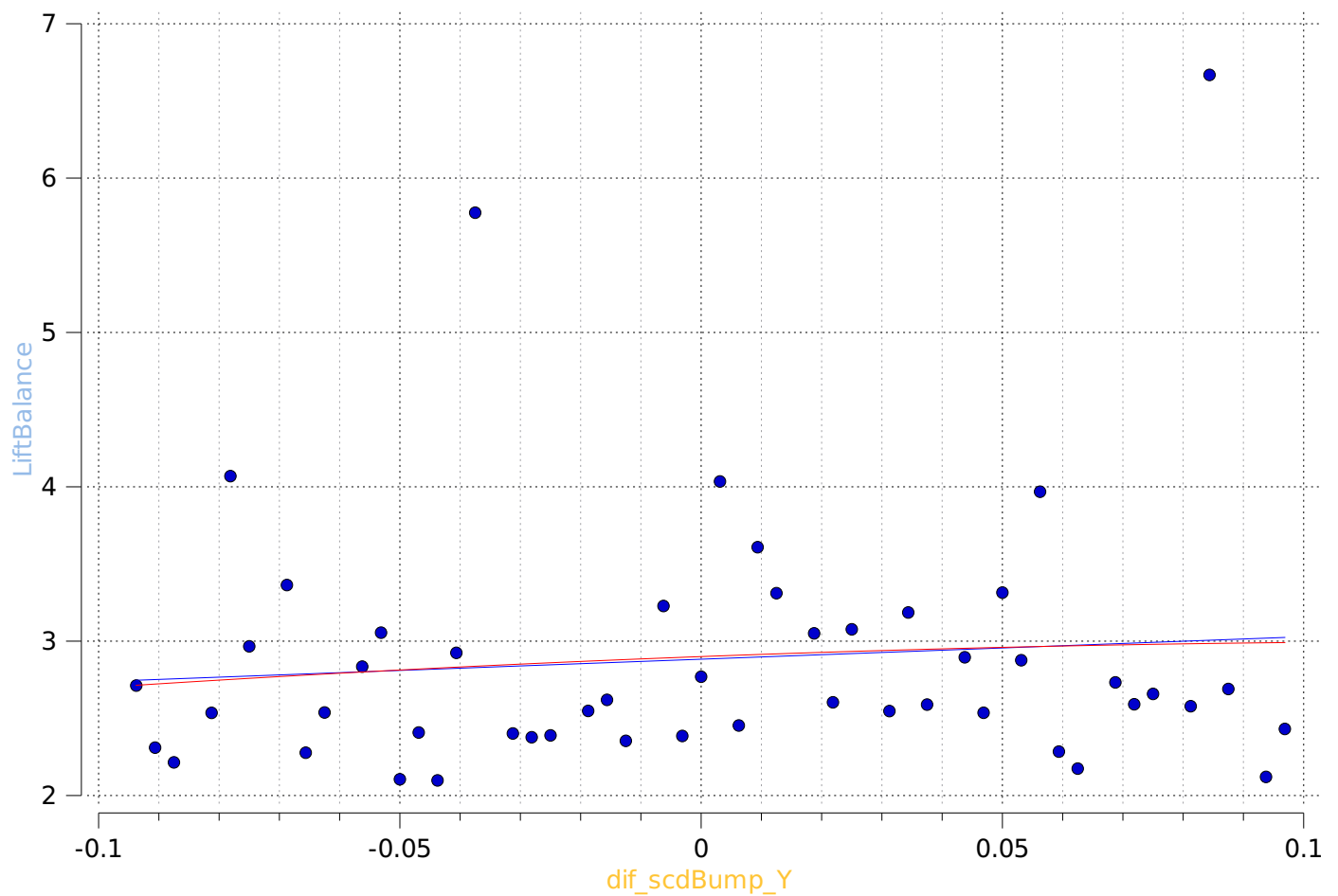
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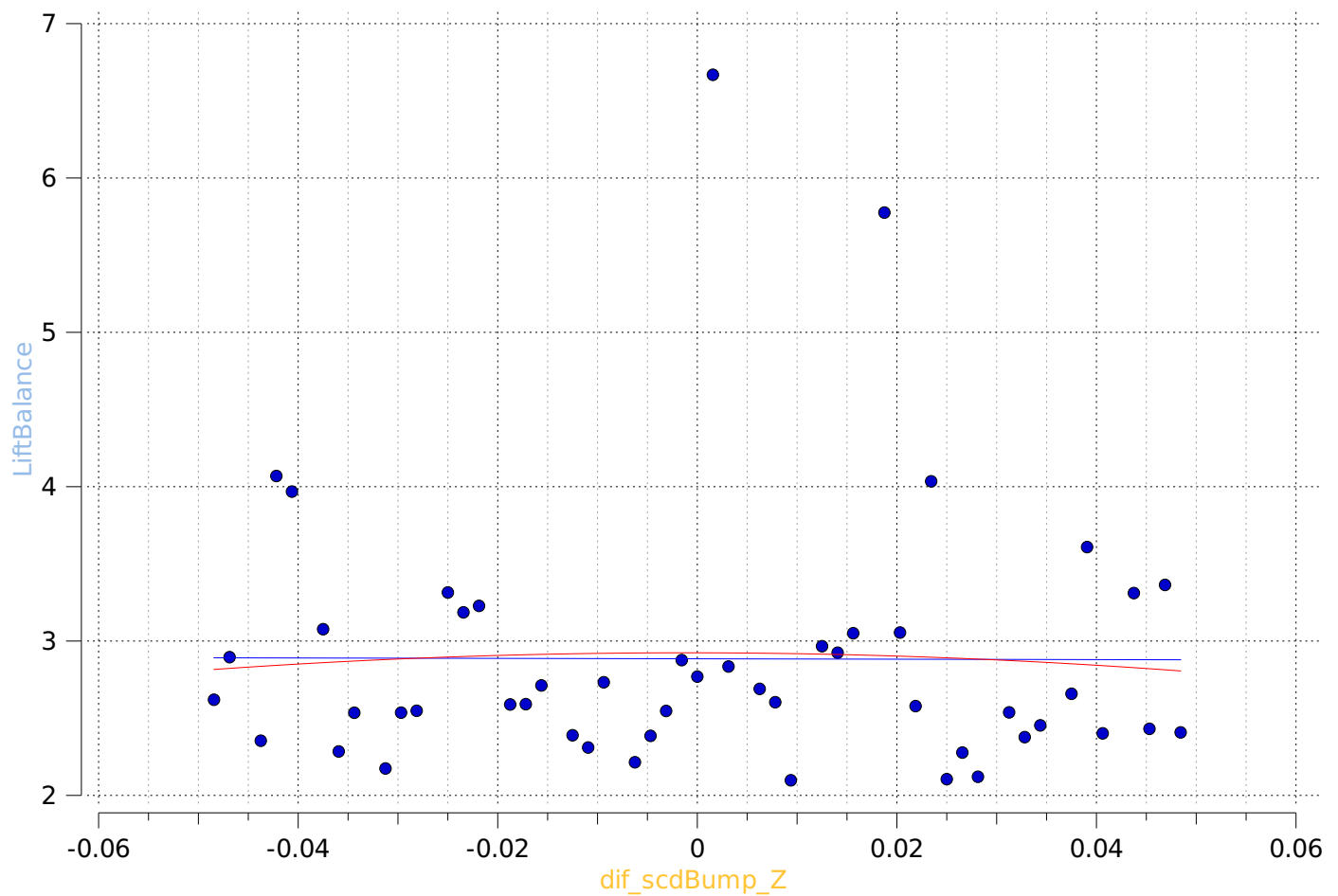
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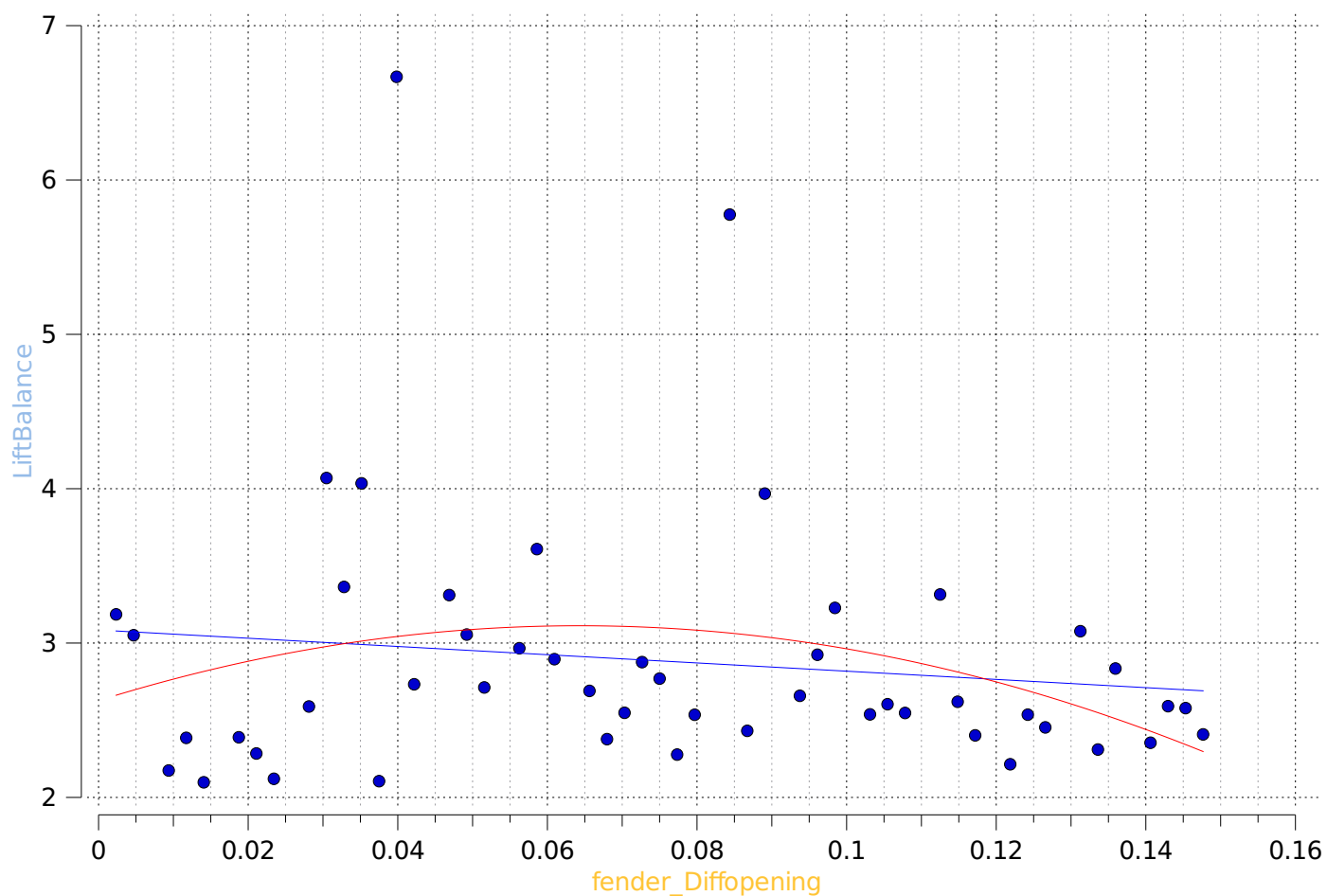
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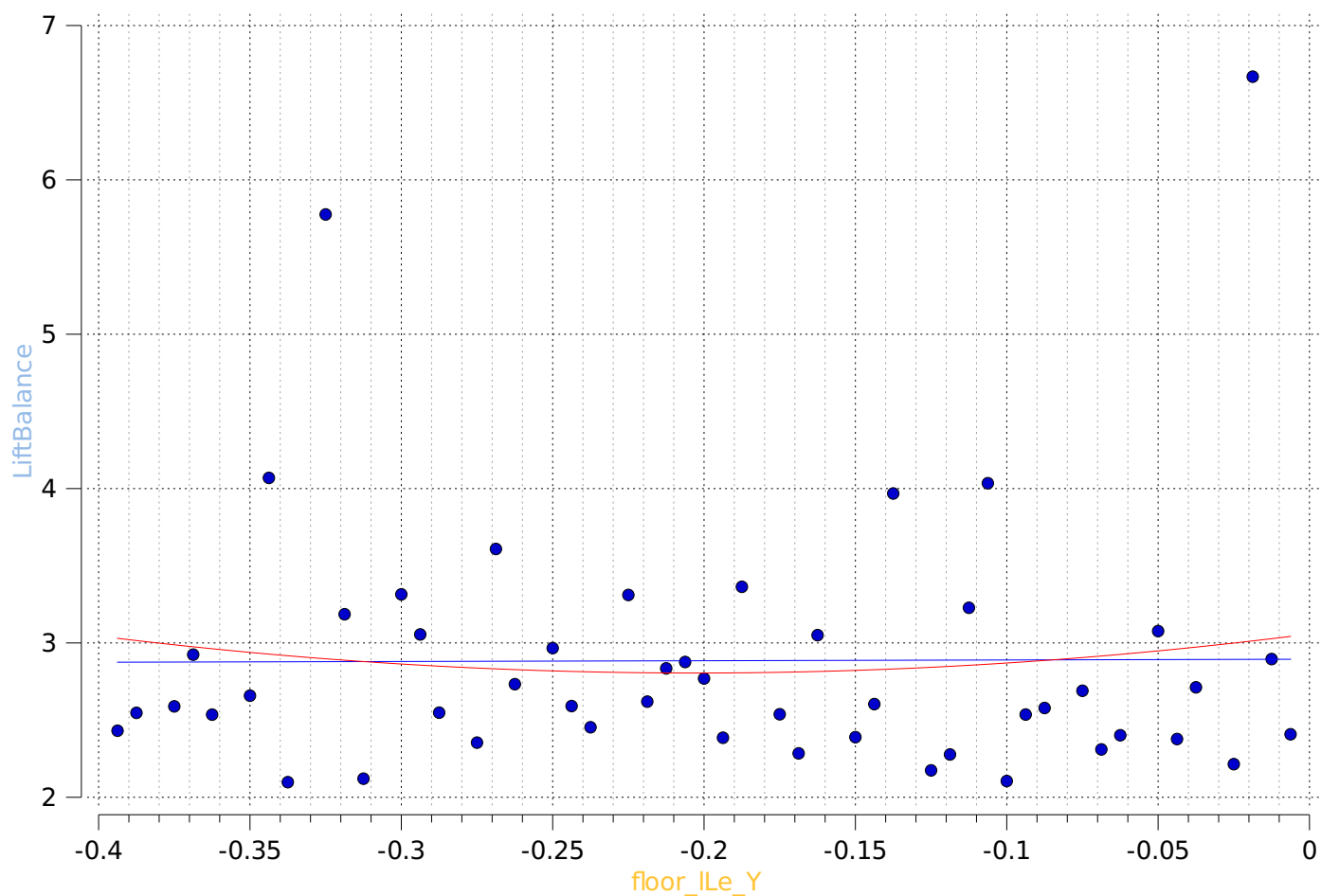
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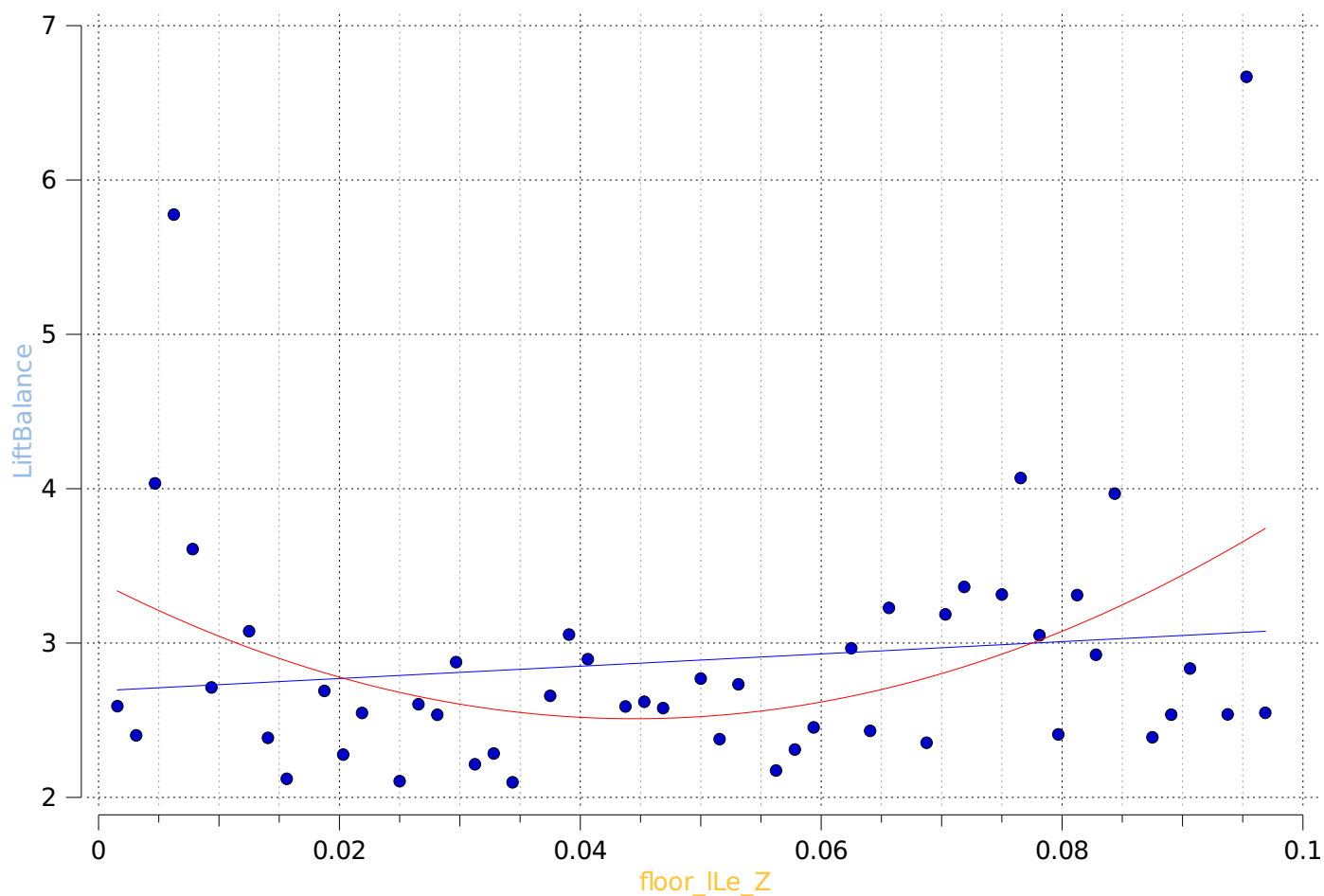
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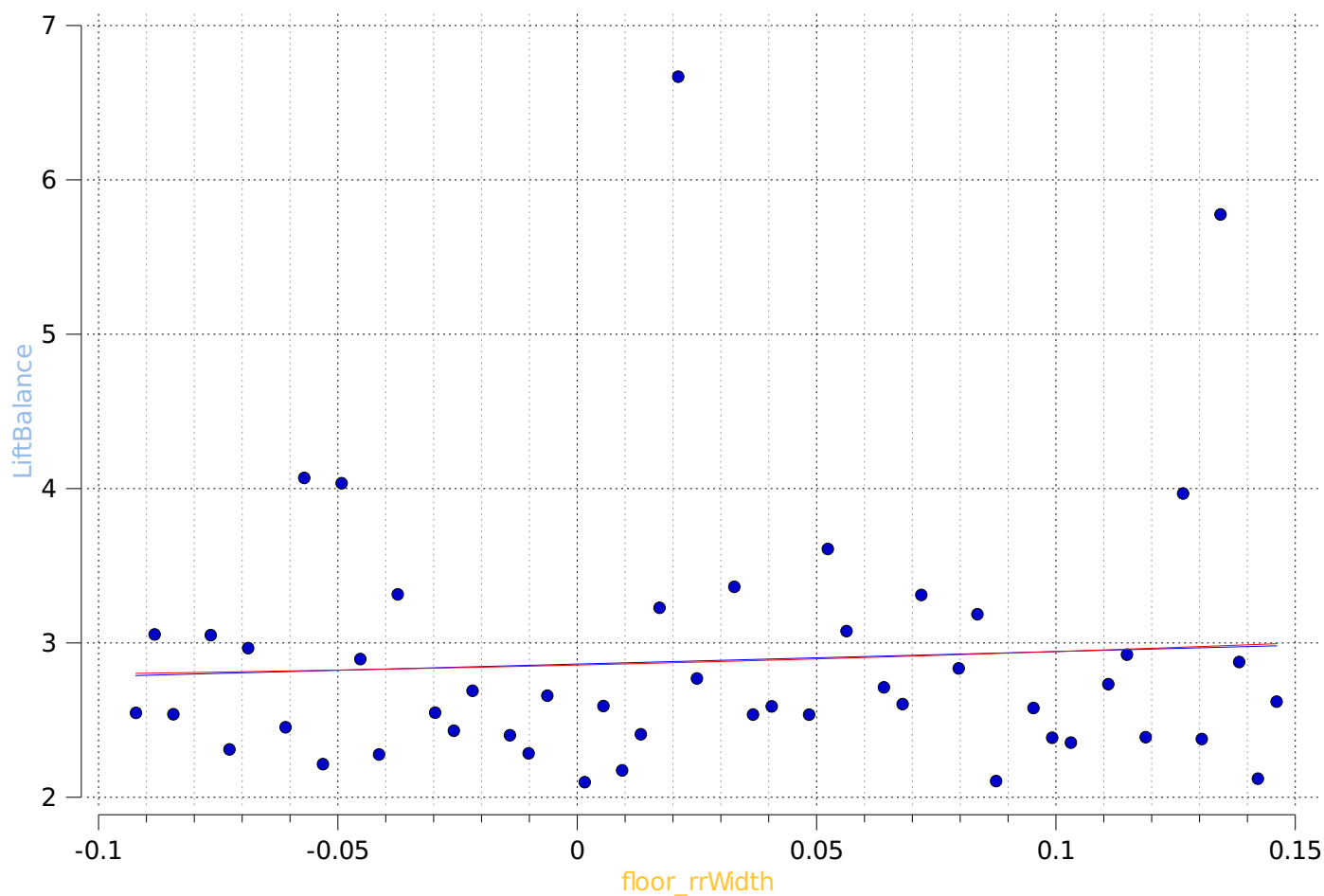
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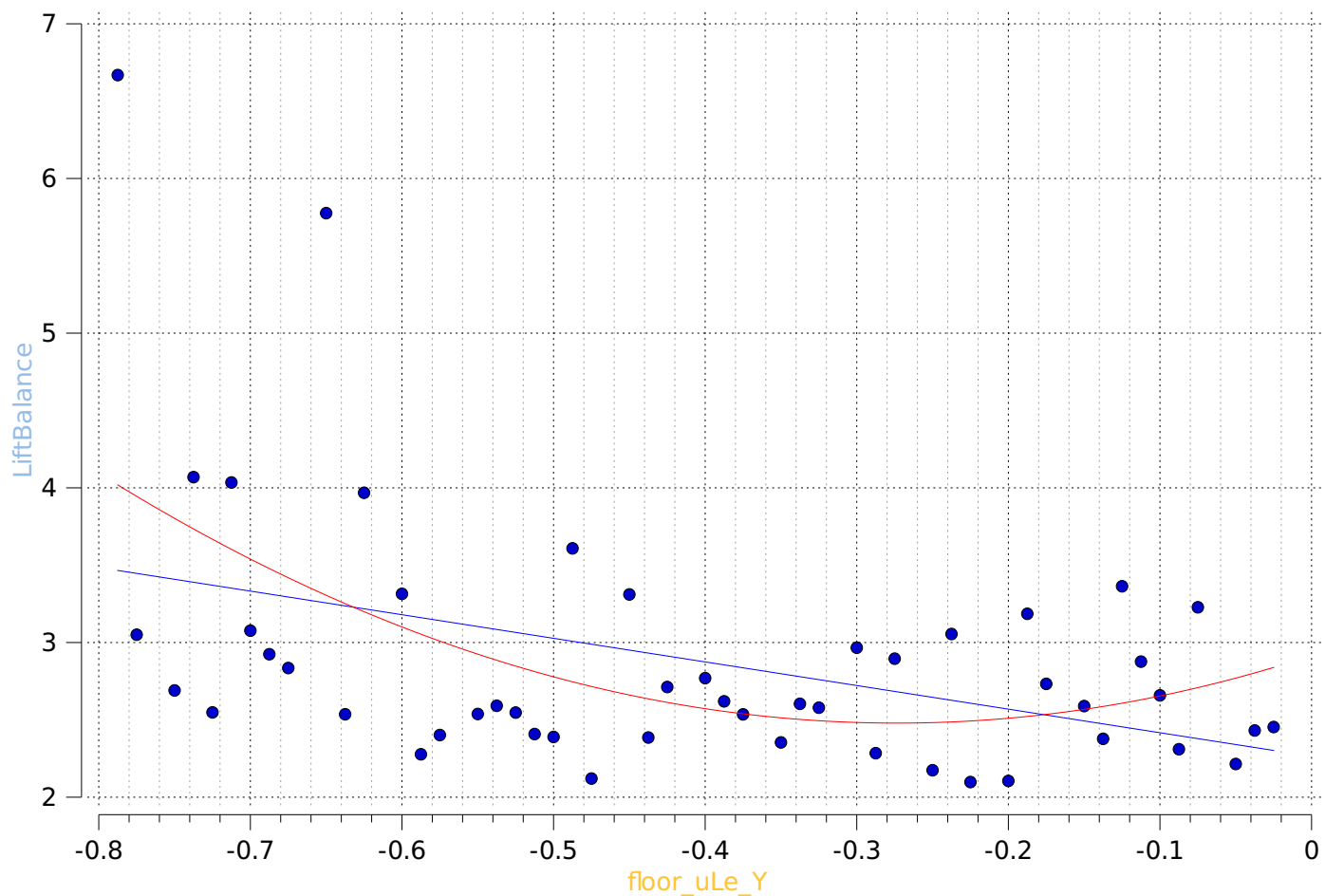
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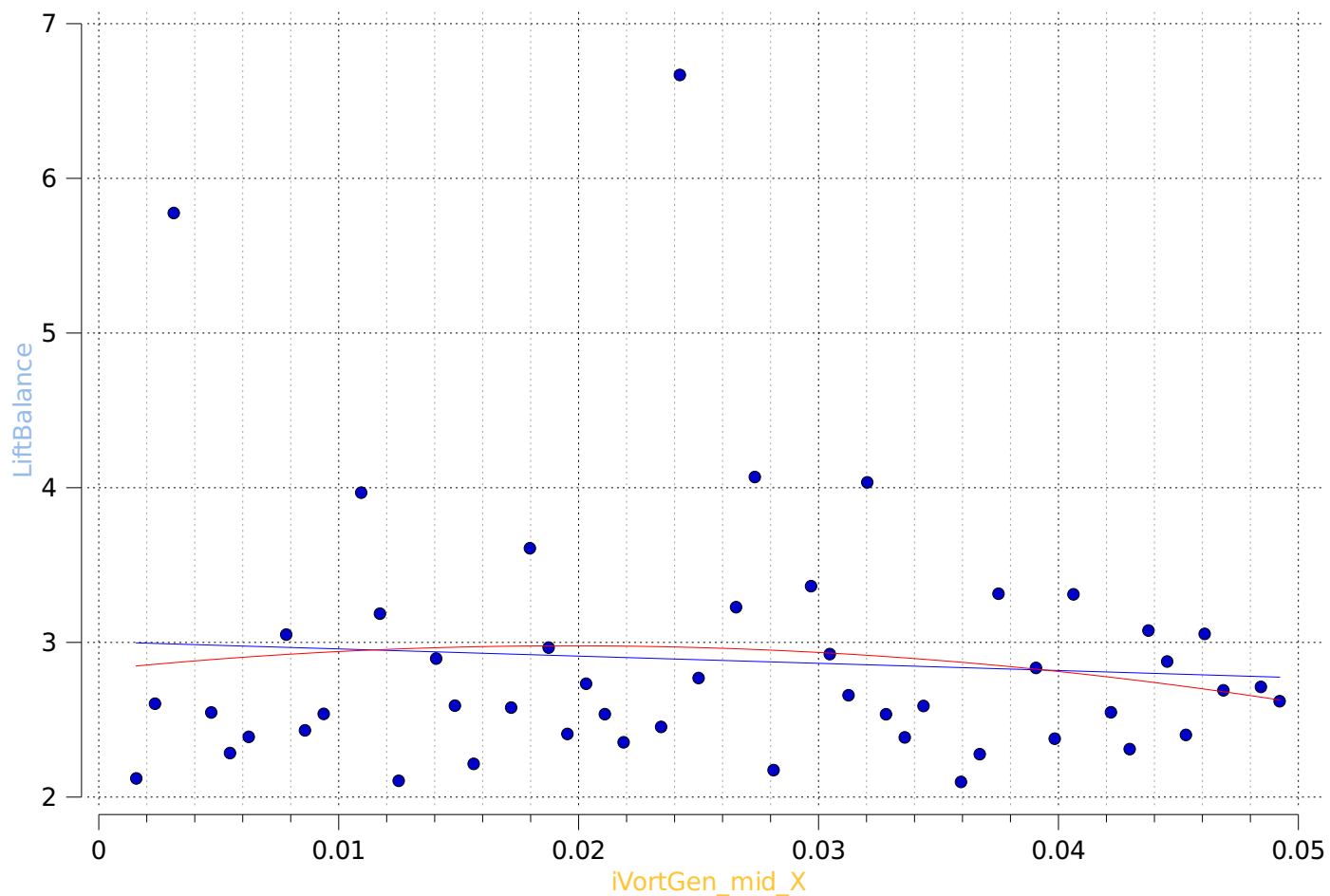
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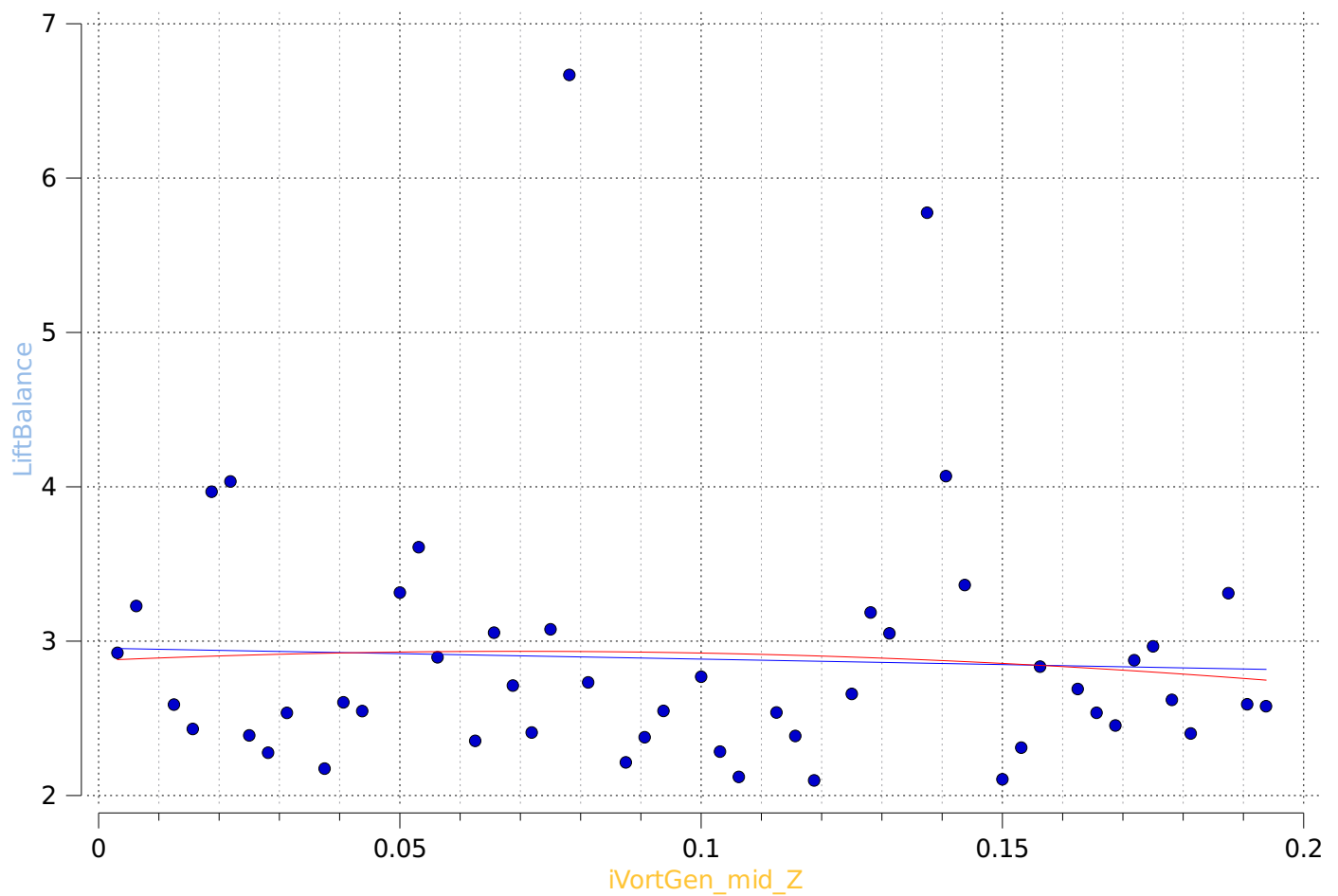
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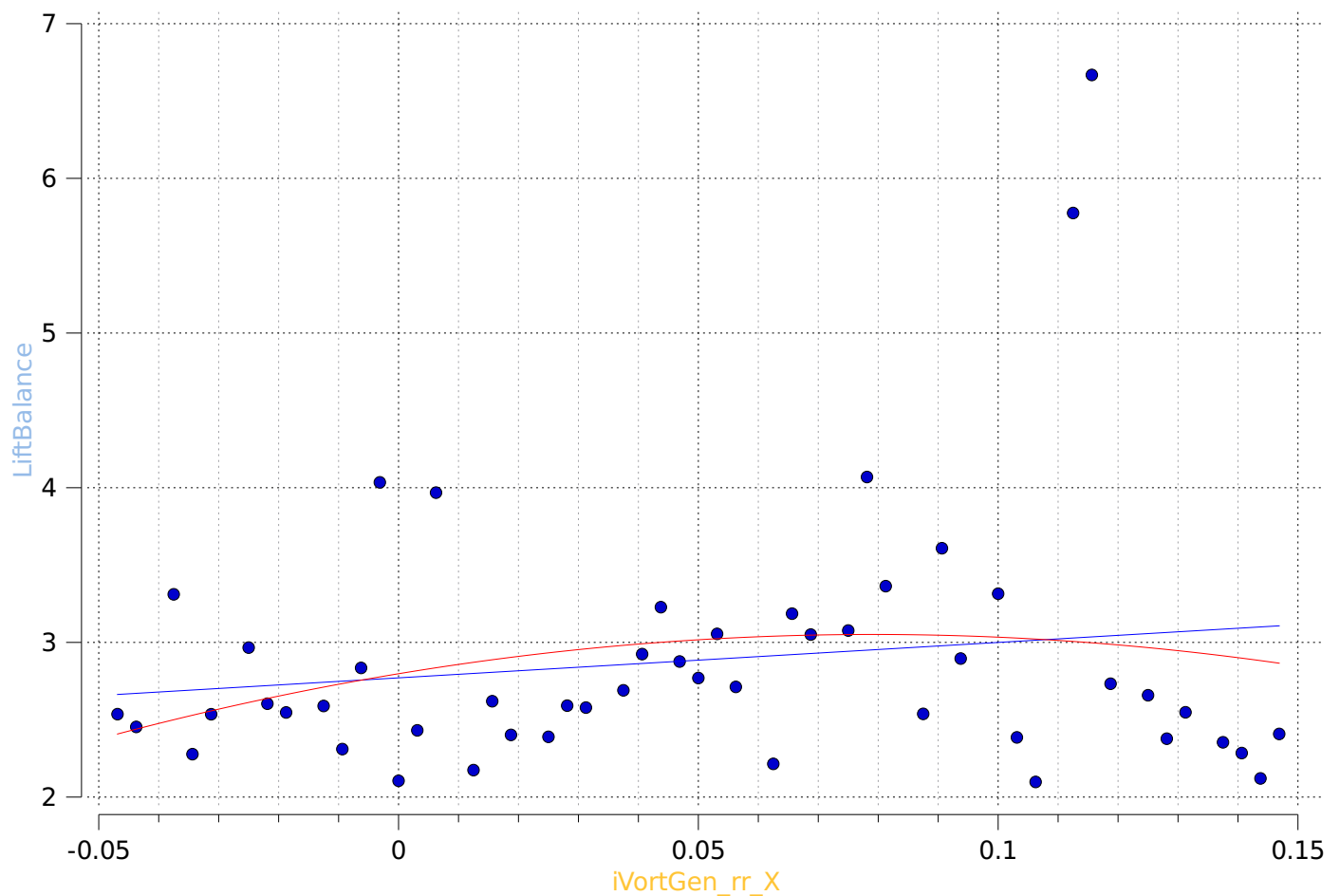
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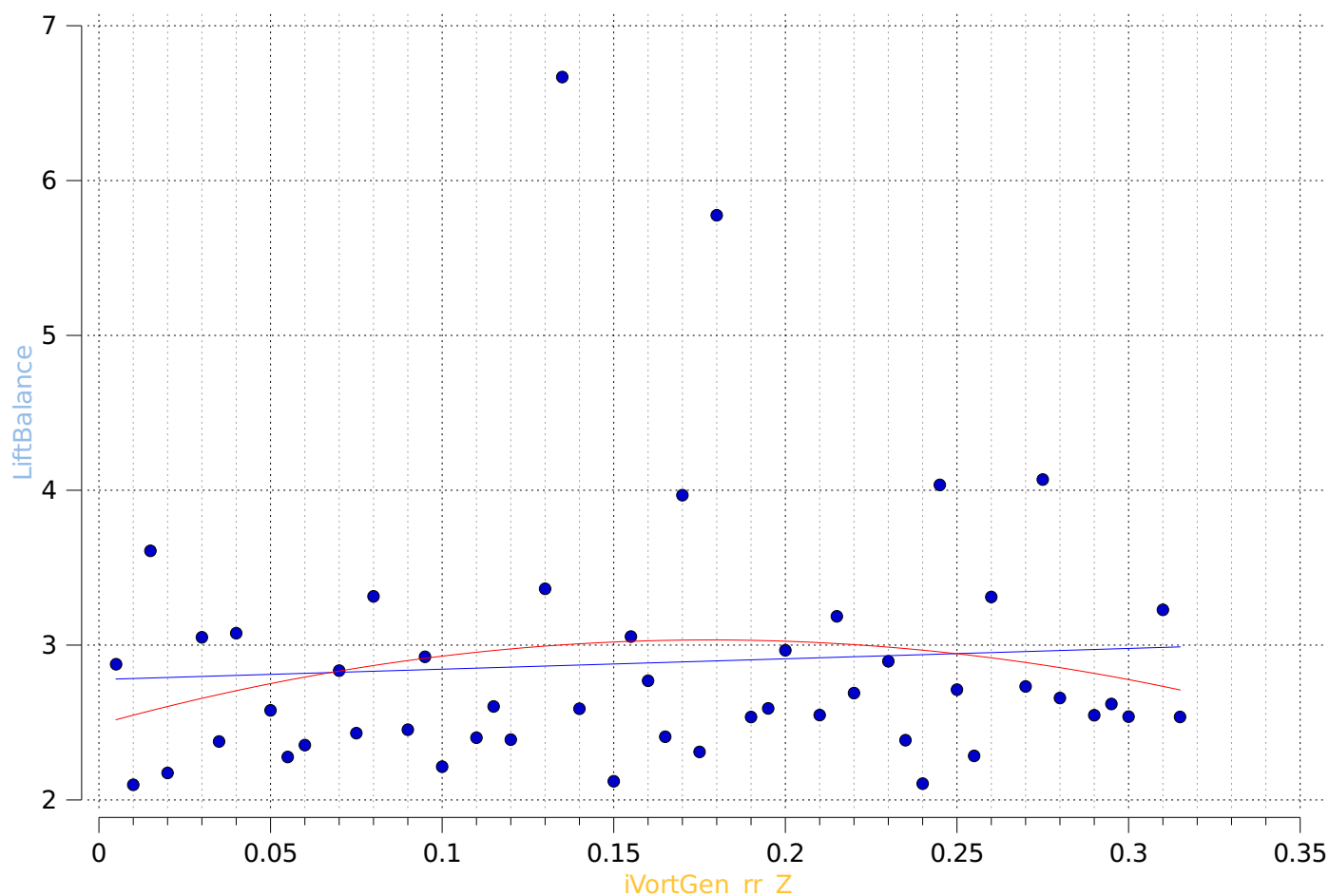
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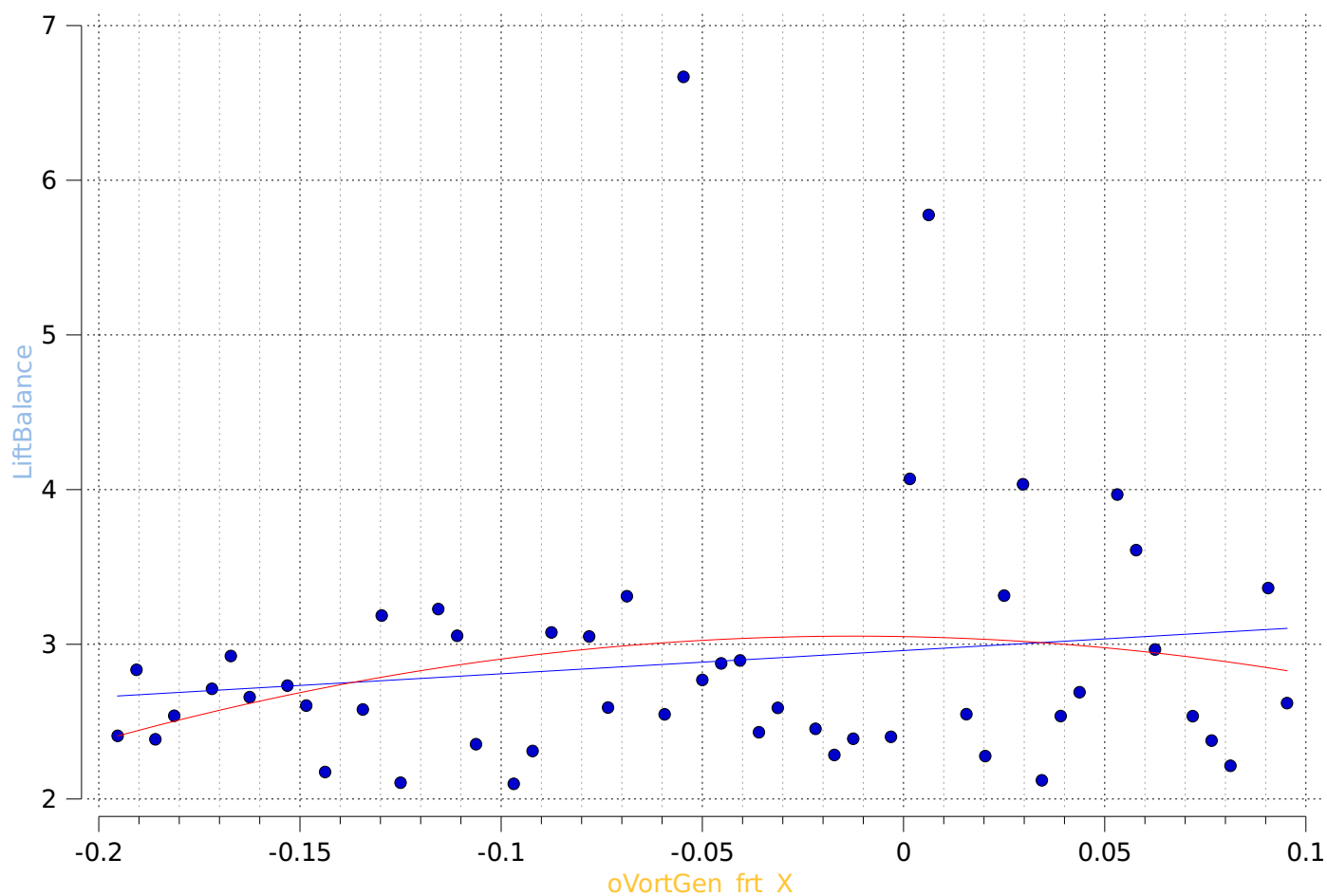
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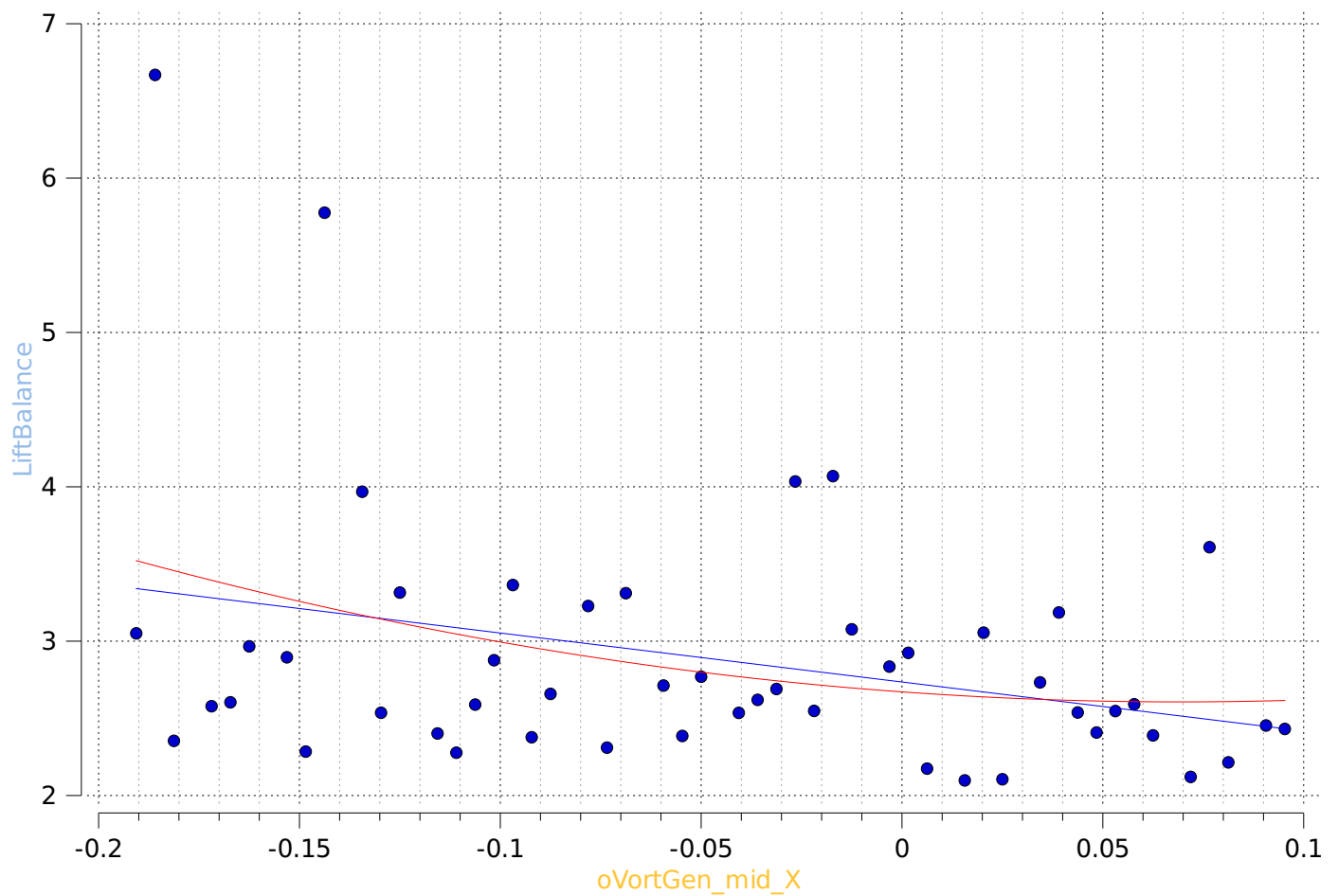
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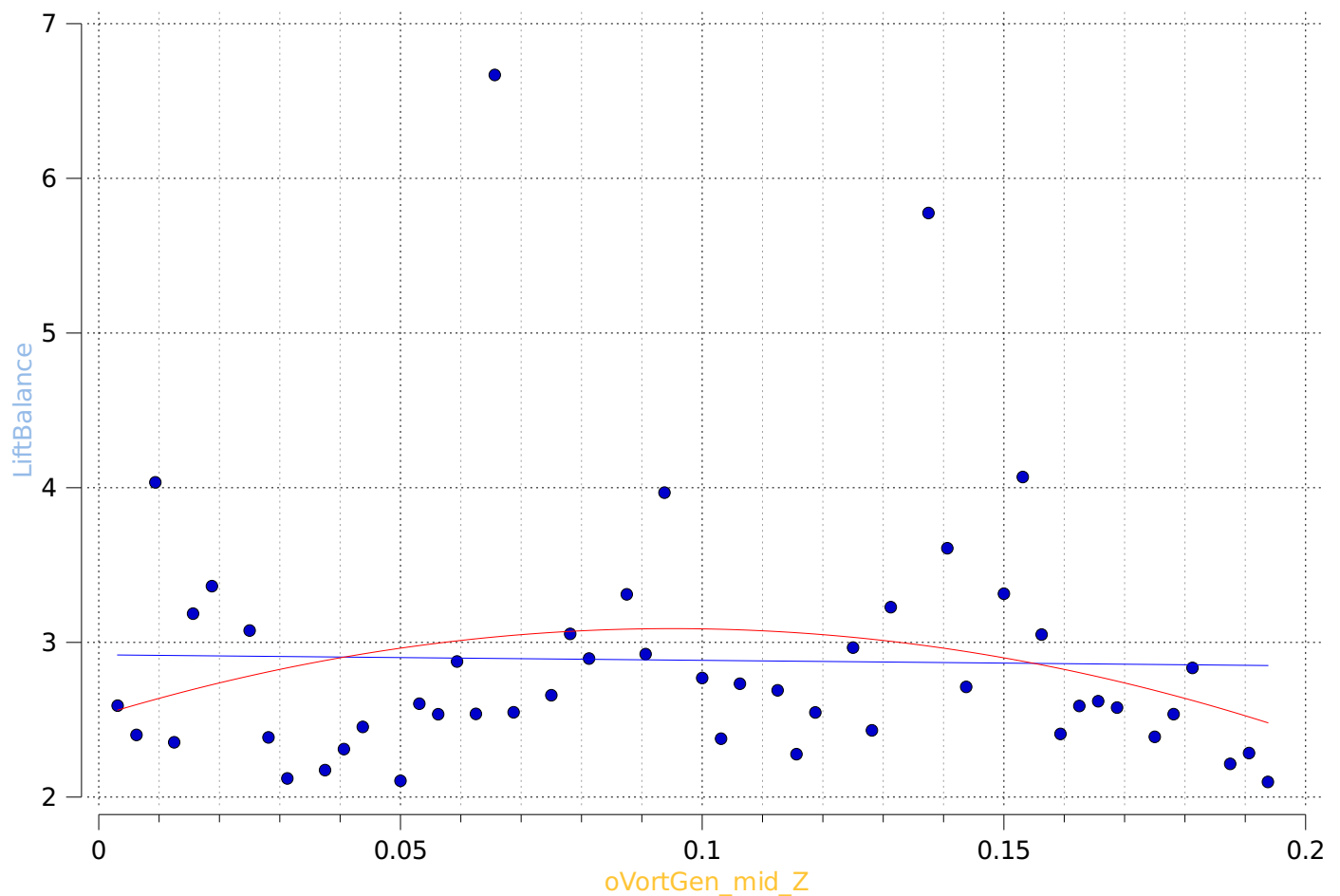
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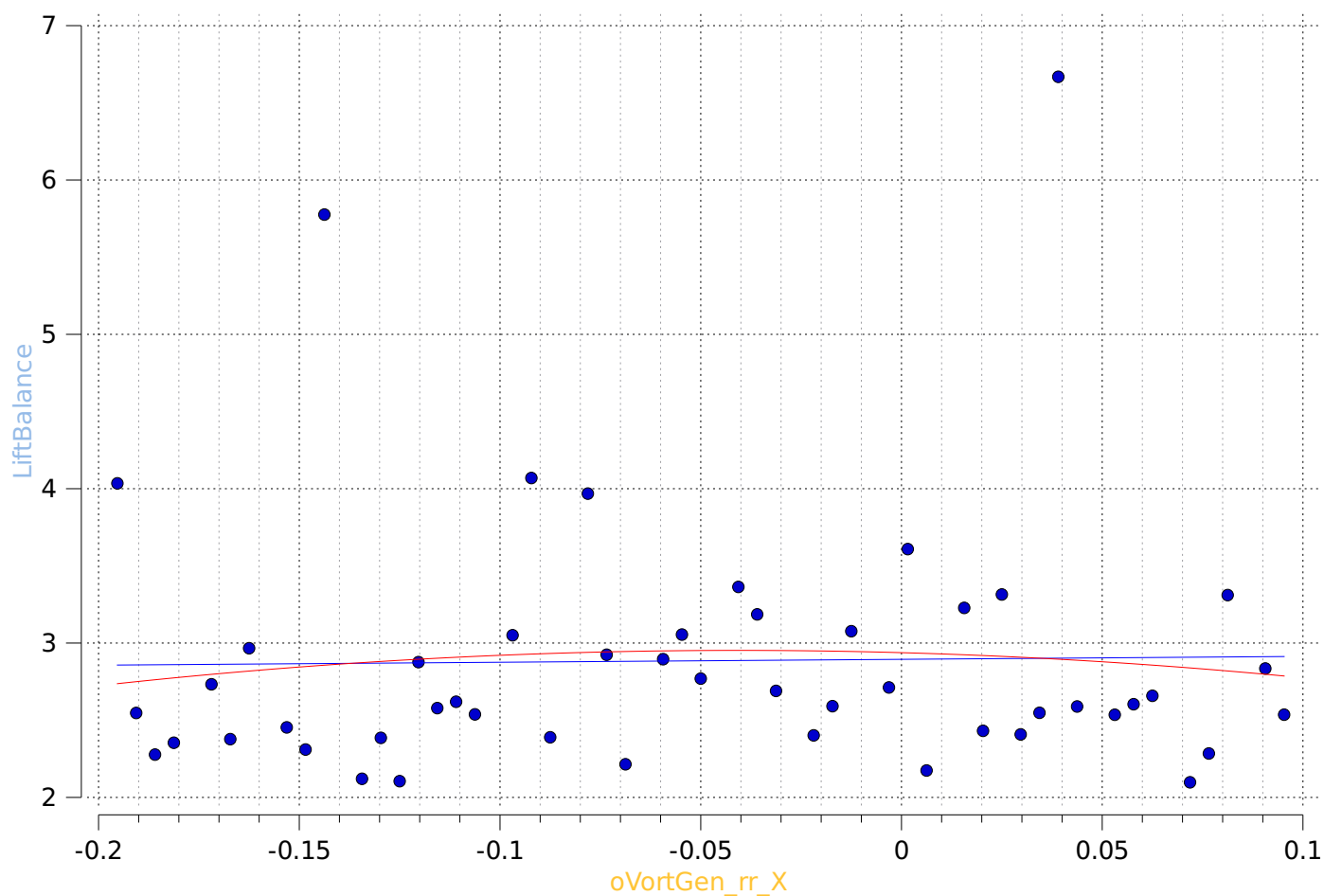
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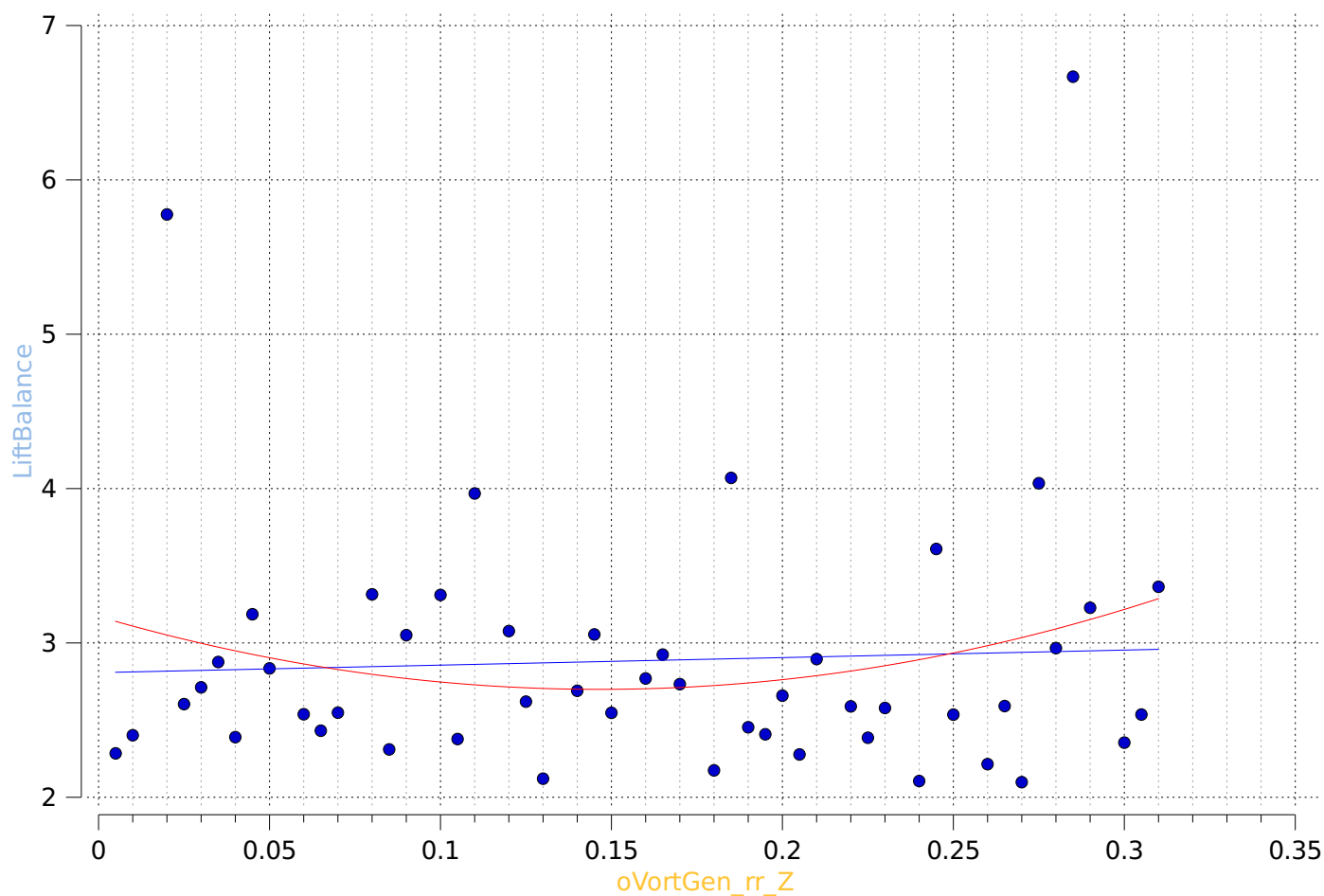
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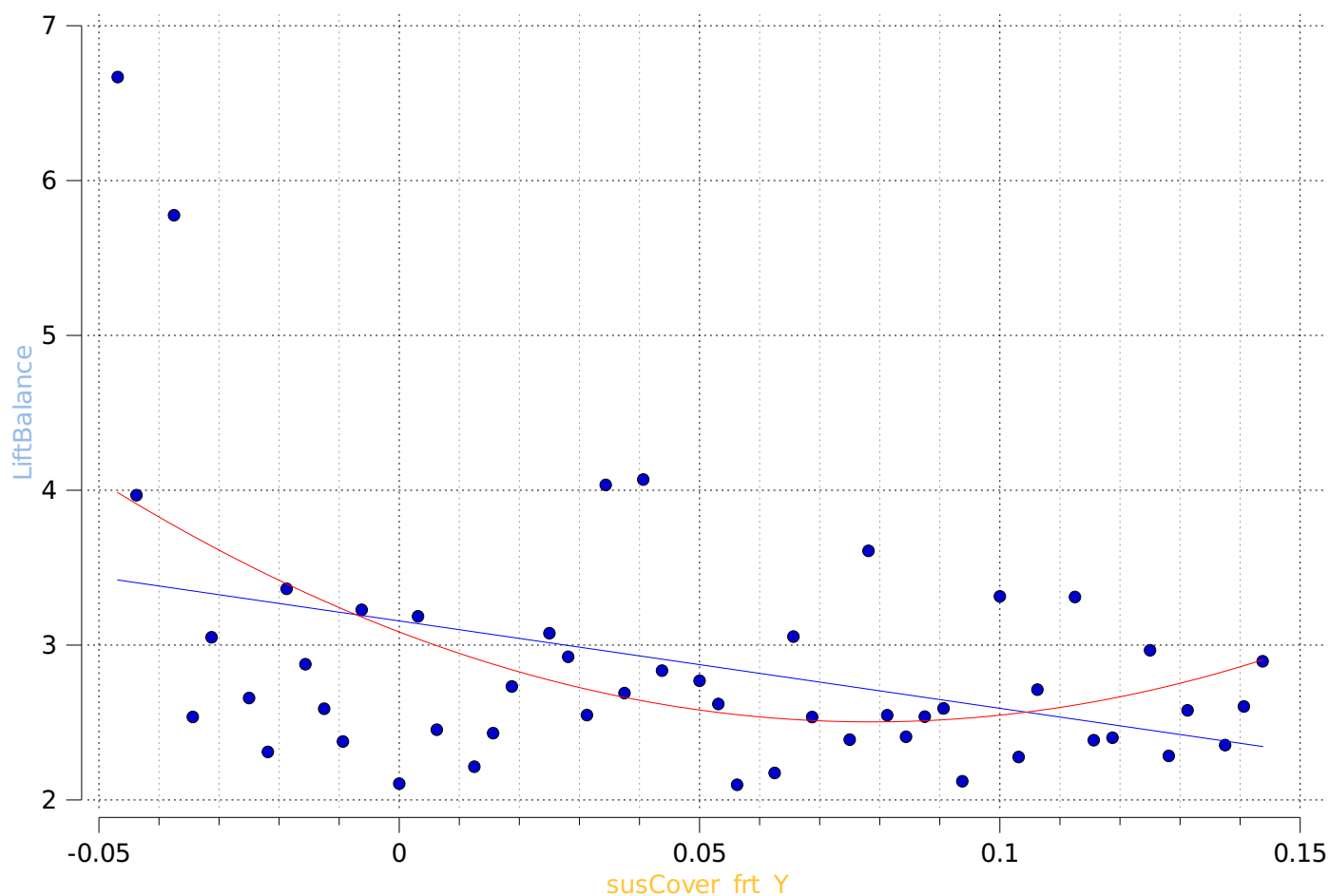
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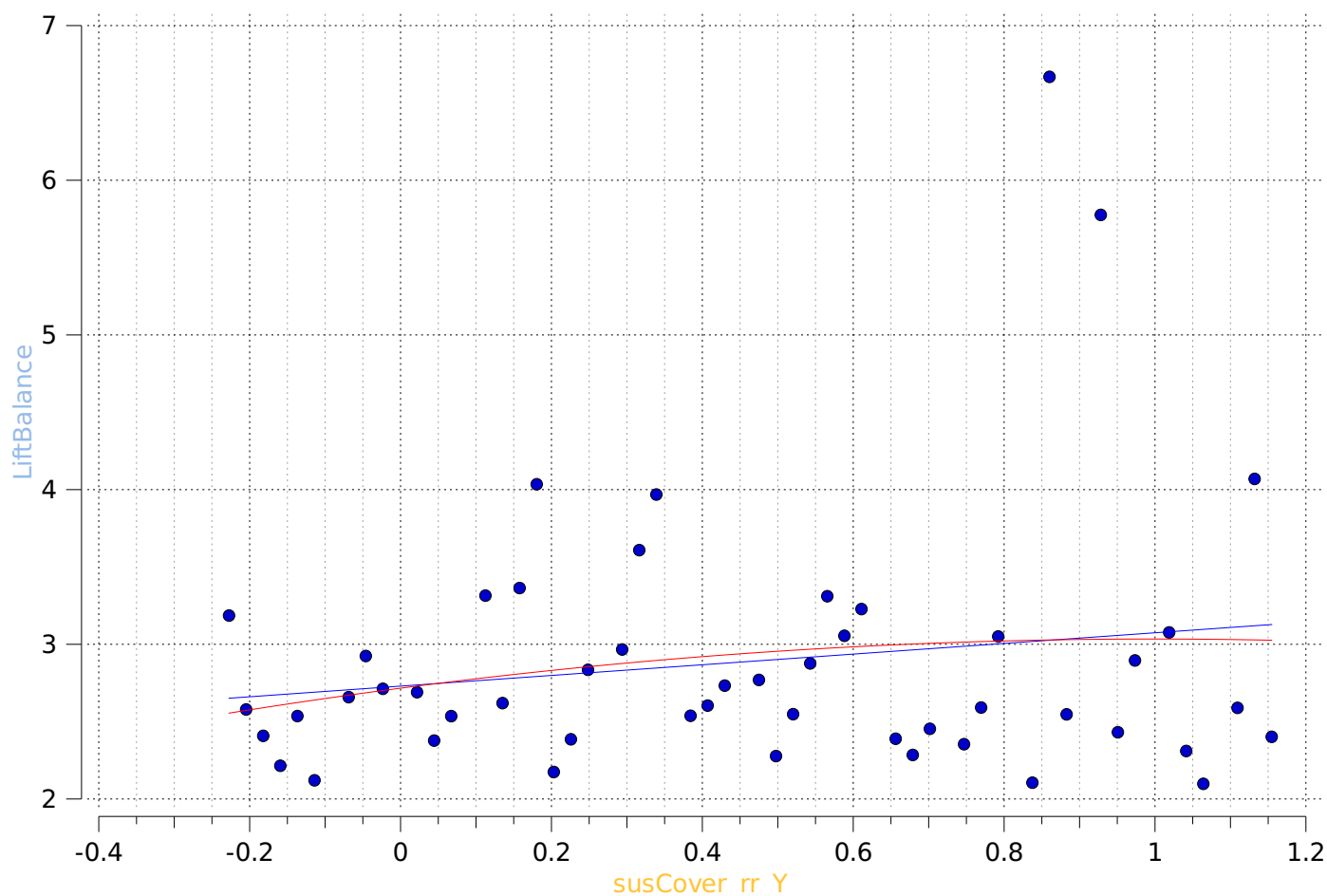
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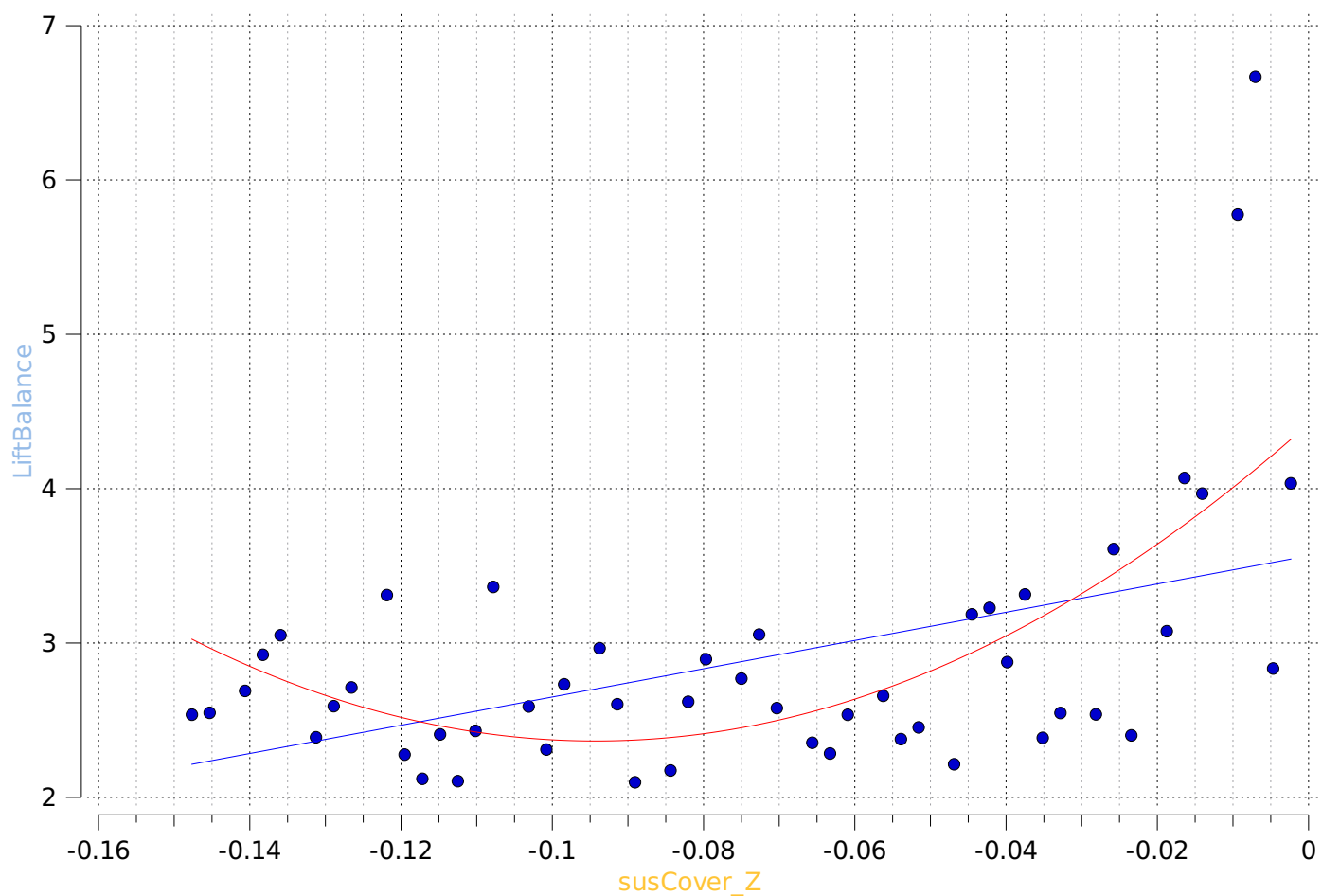
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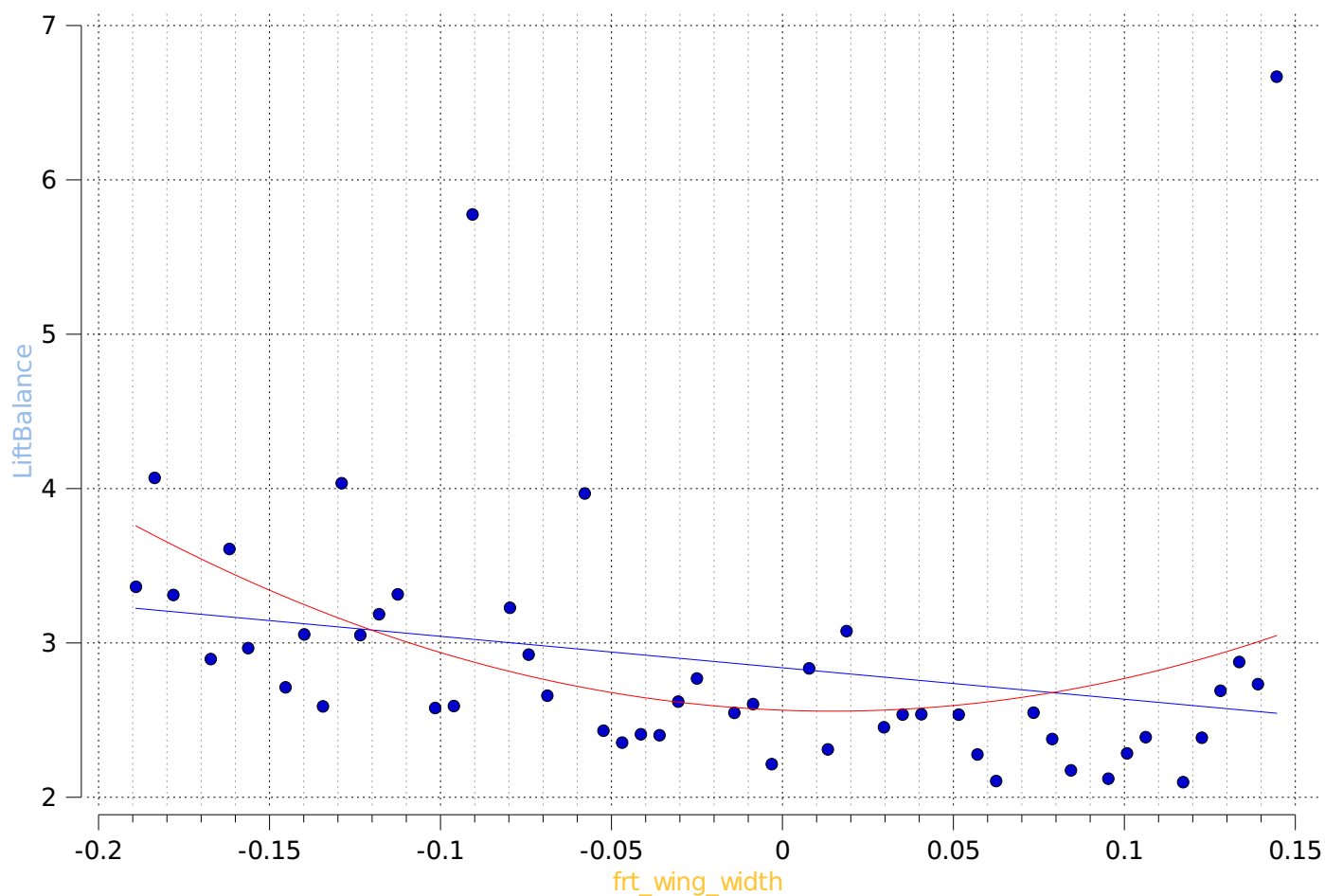
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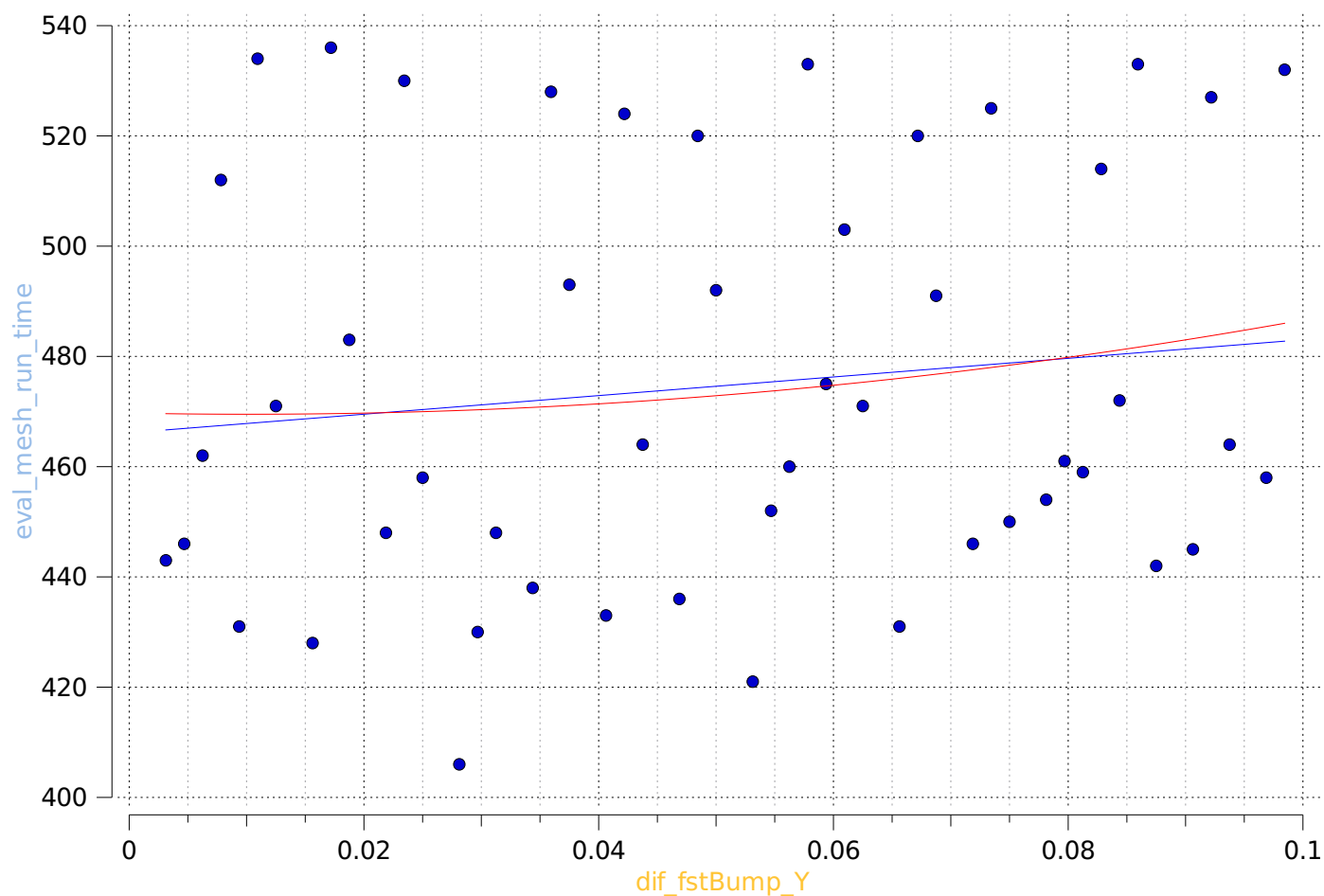
Parameter |LiftBalance
Design Variable |DVs|susCover_Z



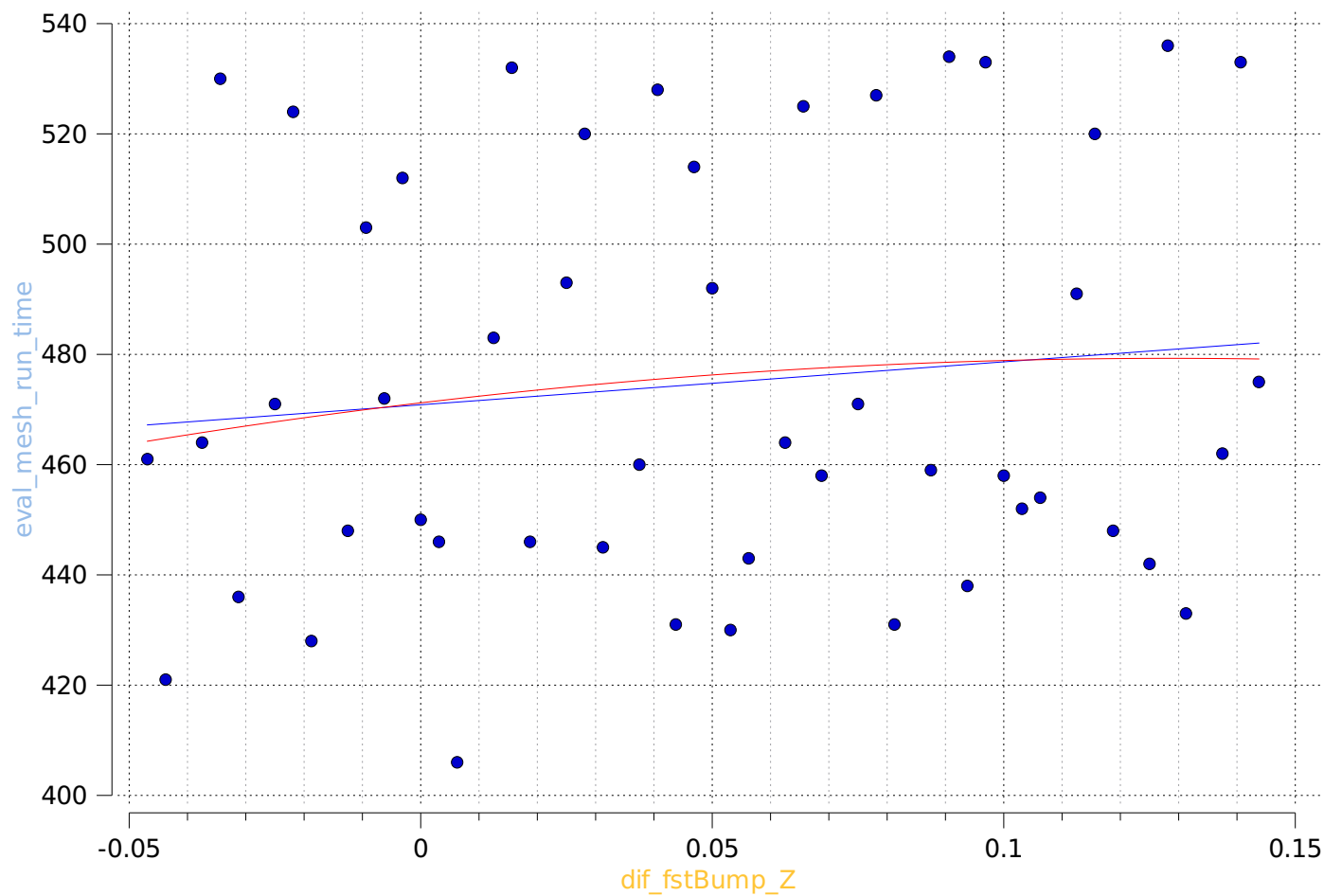
Parameter |LiftBalance
Design Variable |DVs|frt_wing_width



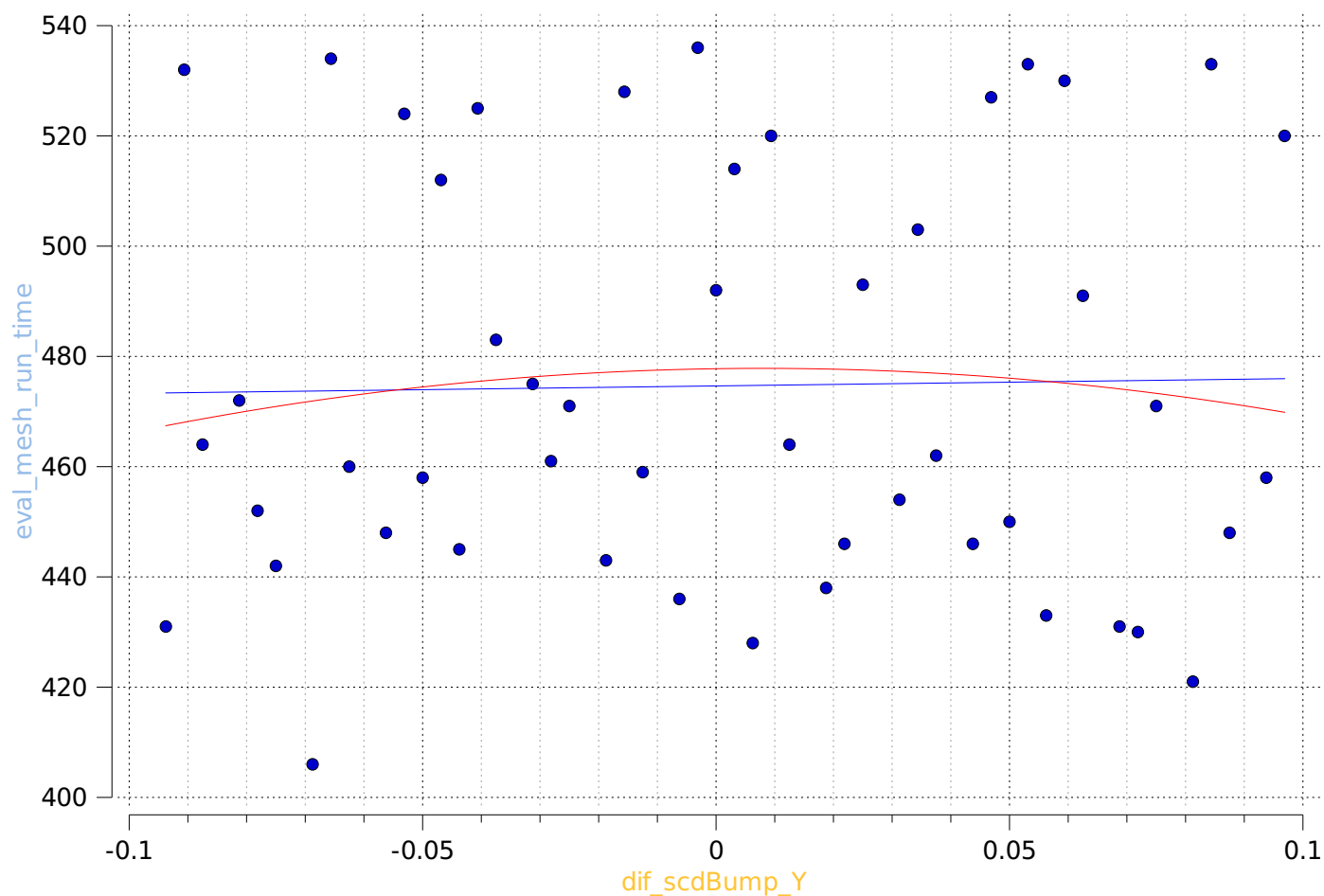
Parameter |eval_mesh_run_time
Design Variable |DVs|dif_fstBump_Y



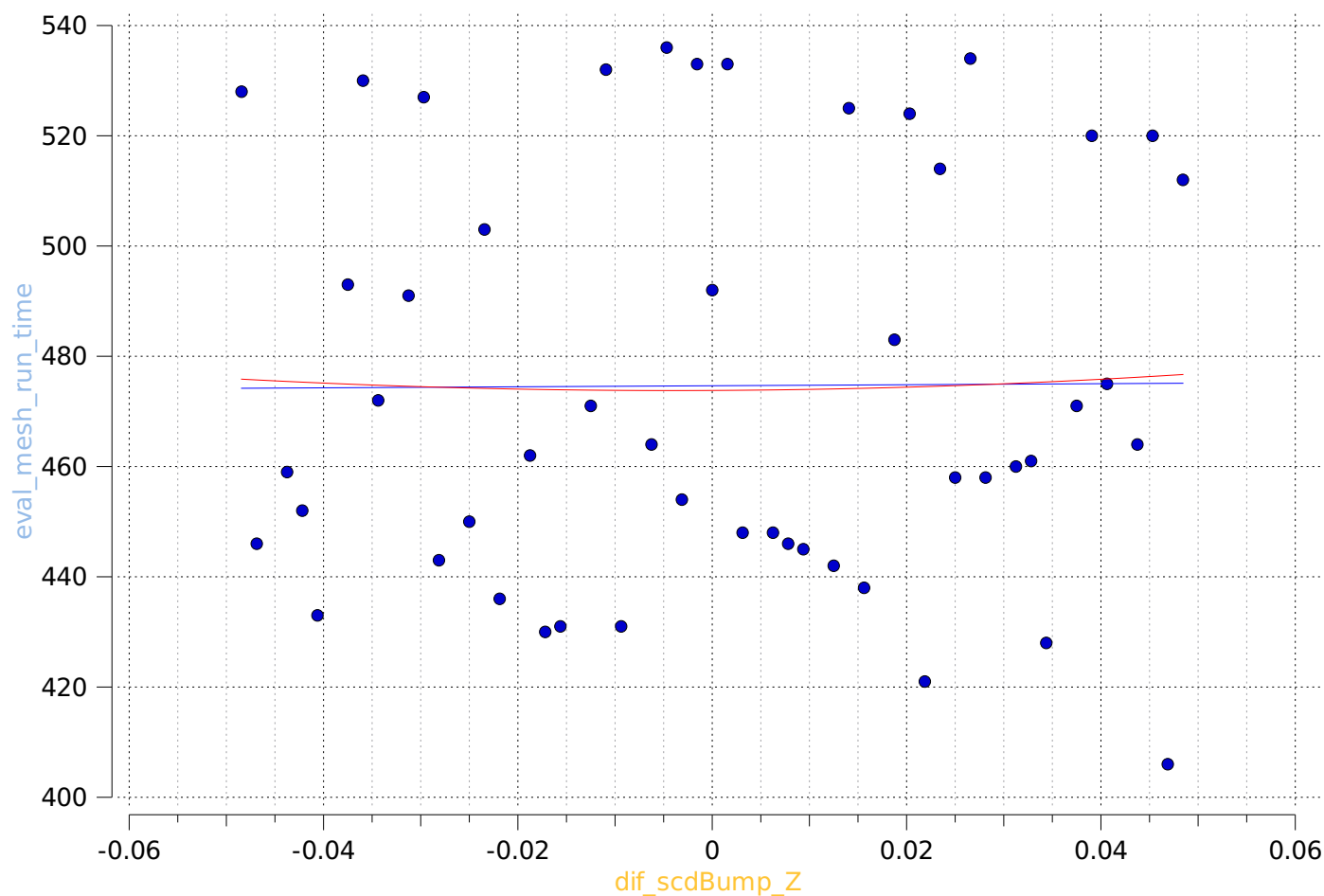
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Design Variable |DVs|dif_fstBump_Z



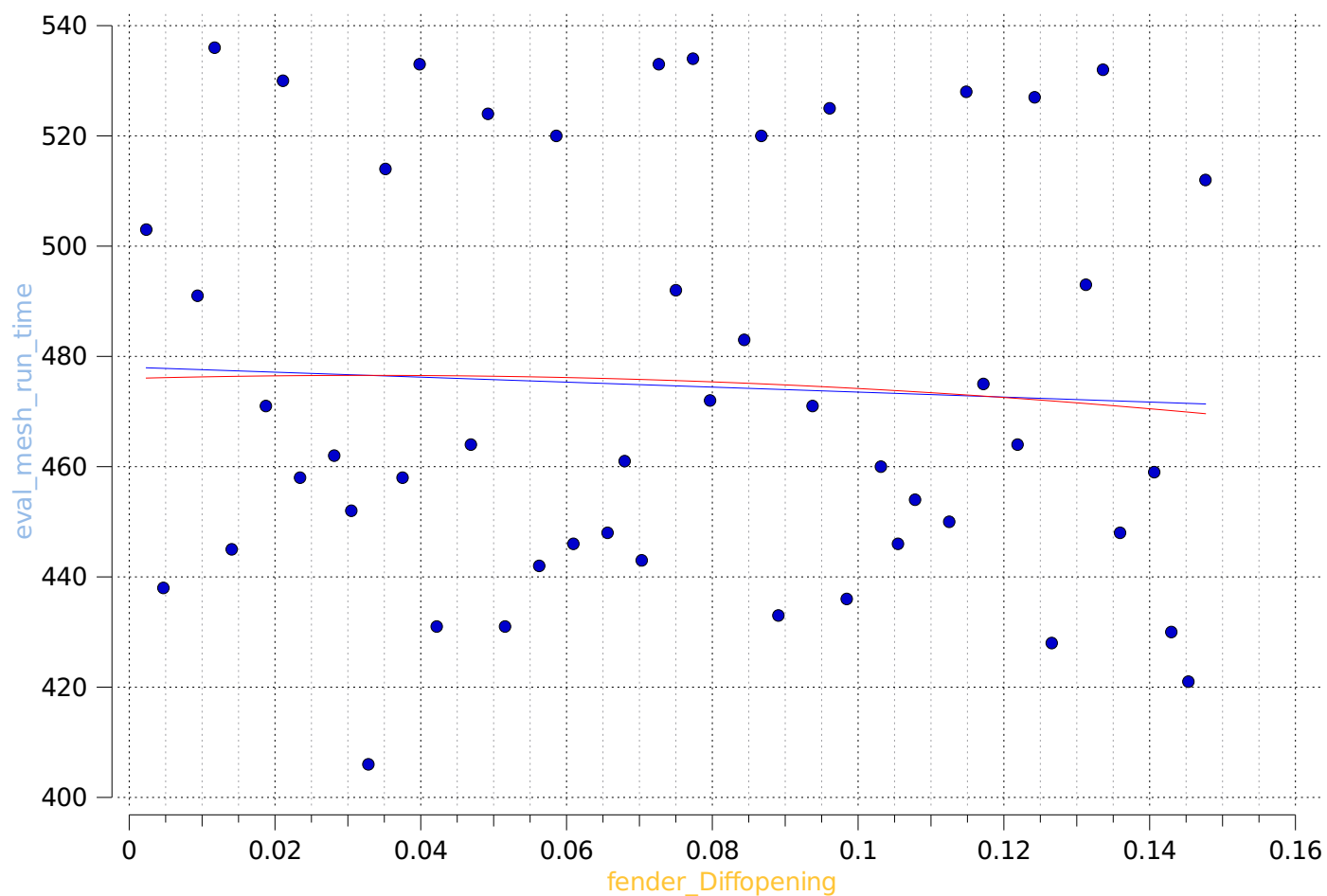
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Design Variable |DVs|dif_scdBump_Y



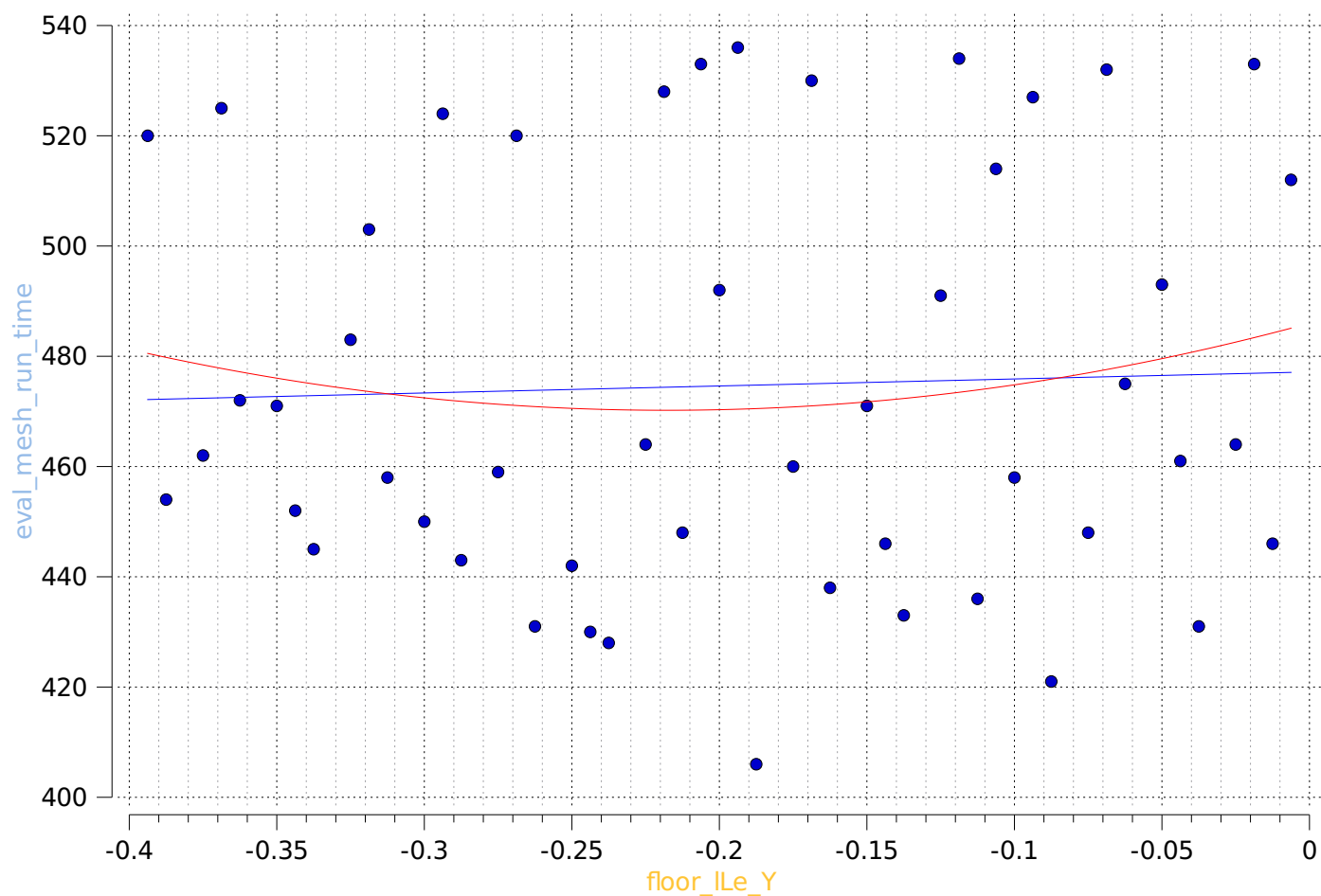
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Design Variable |DVs|dif_scdBump_Z



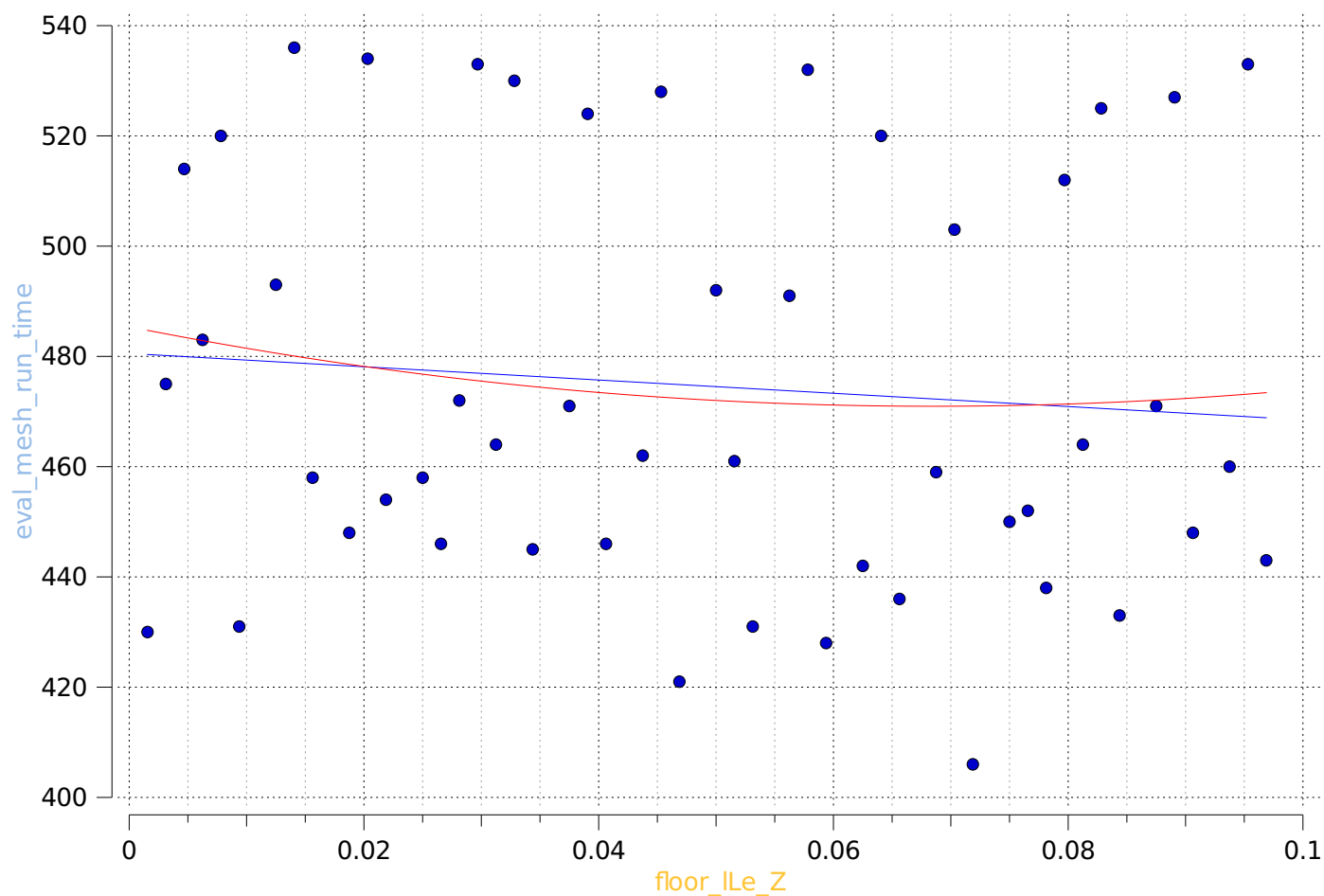
Parameter |eval_mesh_run_time
Design Variable |DVs|fender_Diffopening



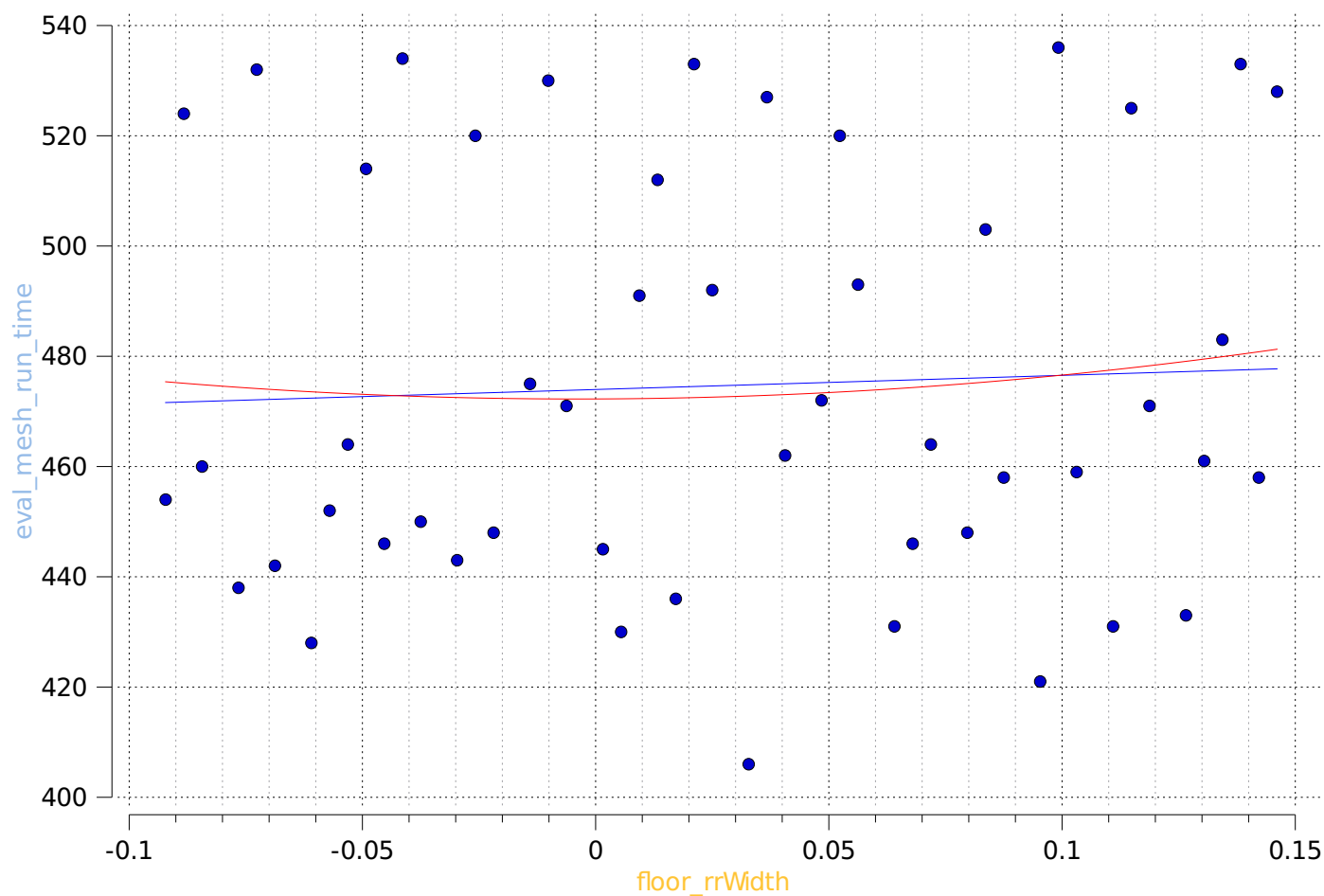
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Design Variable |DVs|floor_ILe_Y



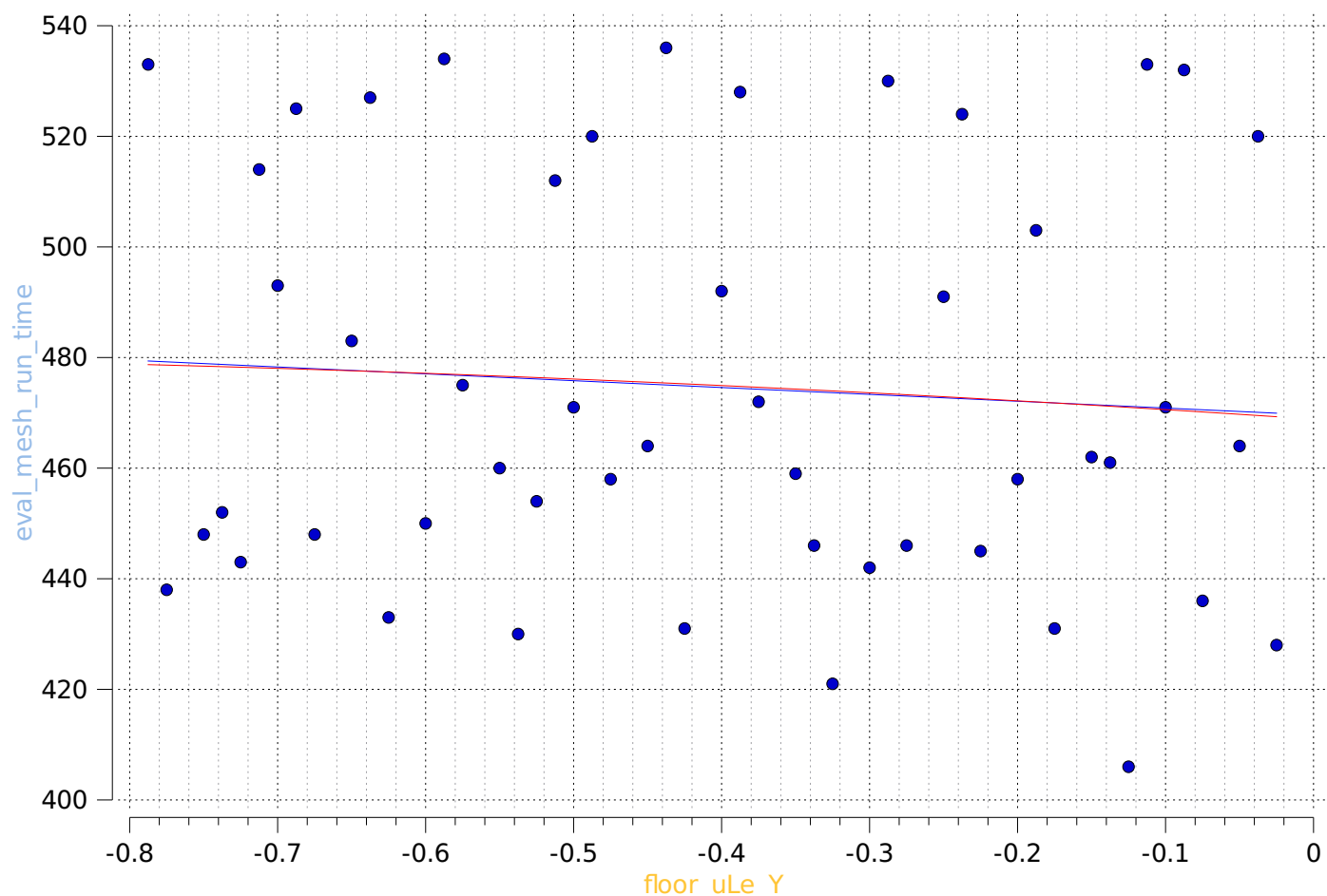
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Design Variable |DVs|floor_ILe_Z



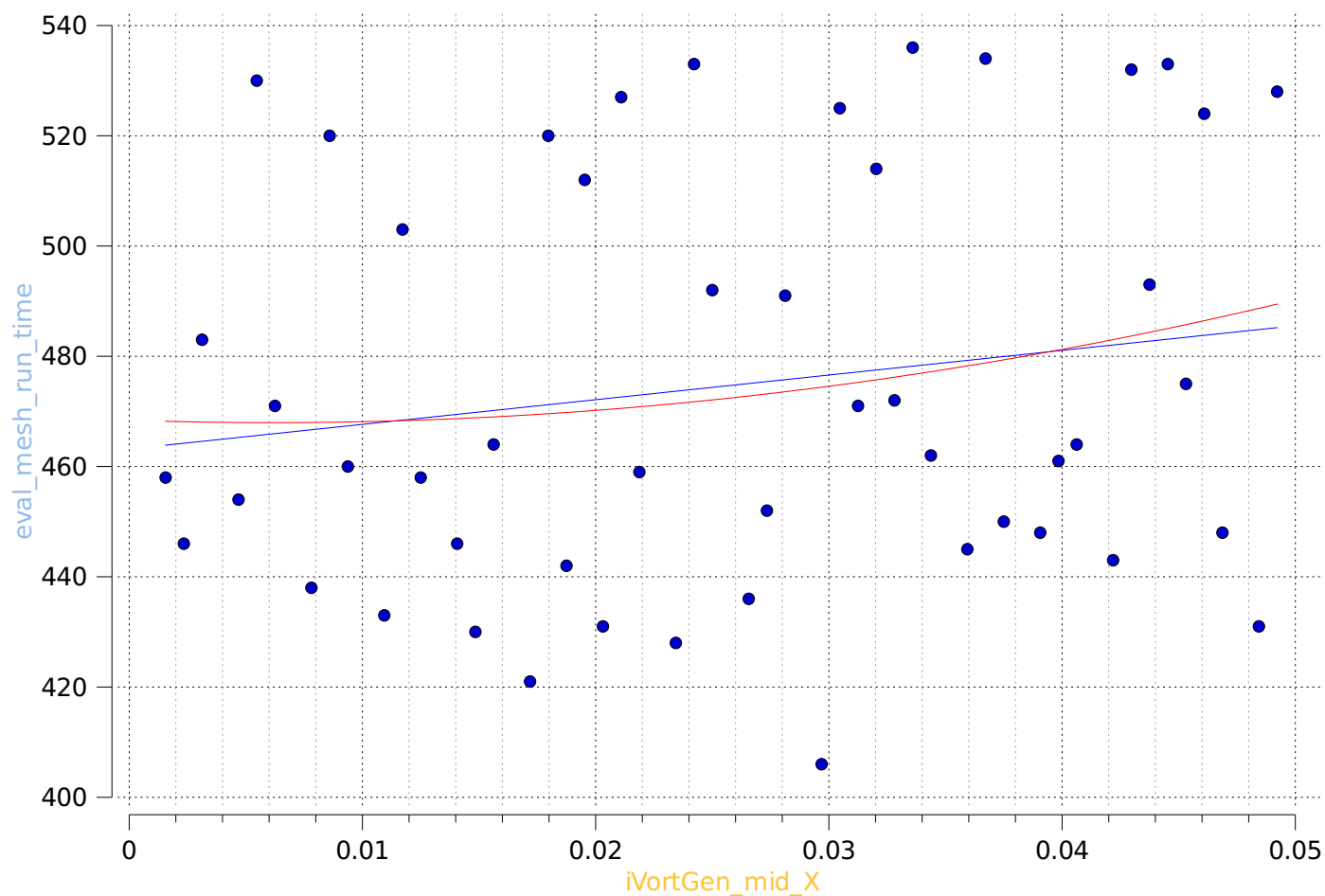
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Design Variable |DVs|floor_rrWidth



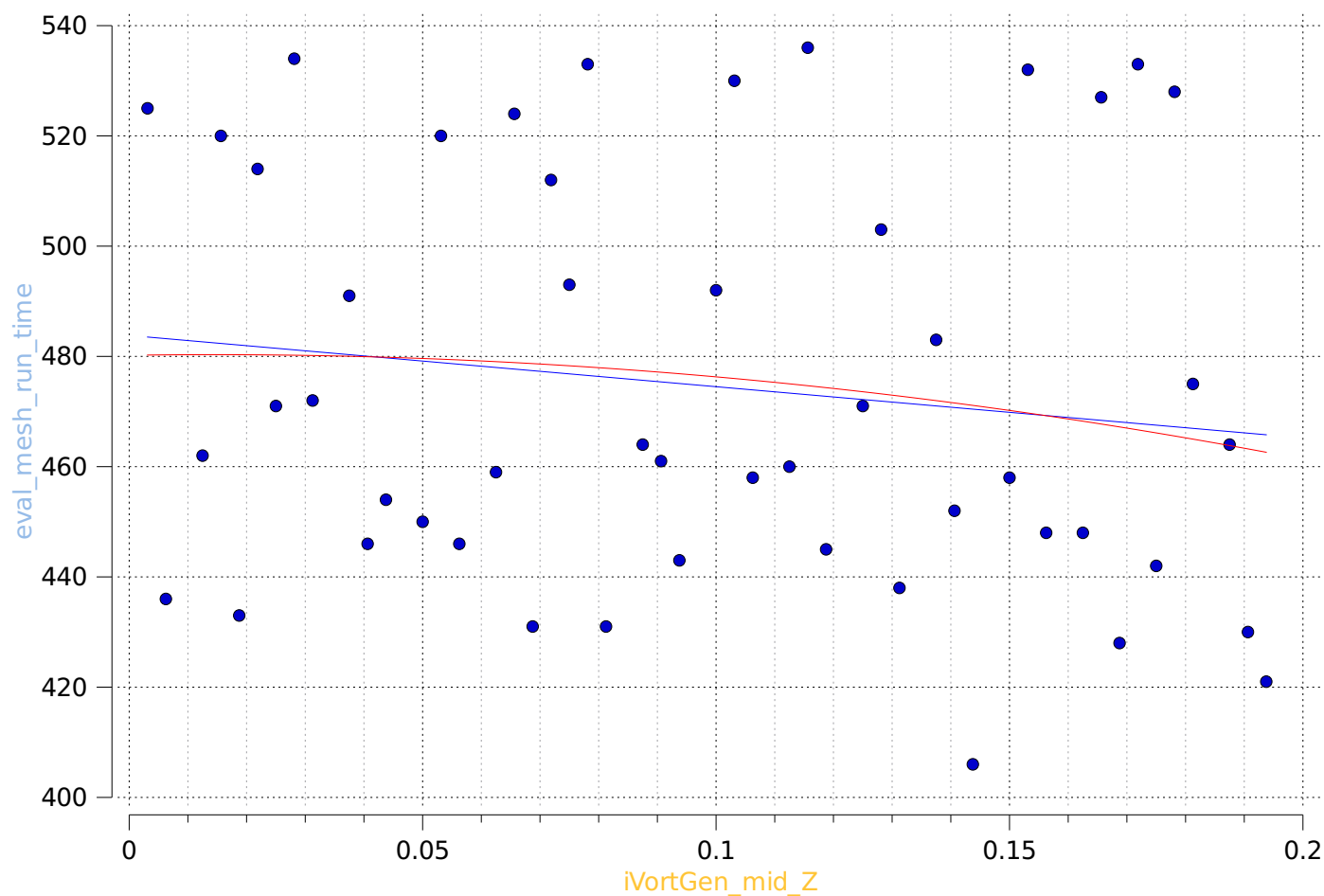
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Design Variable |DVs|floor_uLe_Y



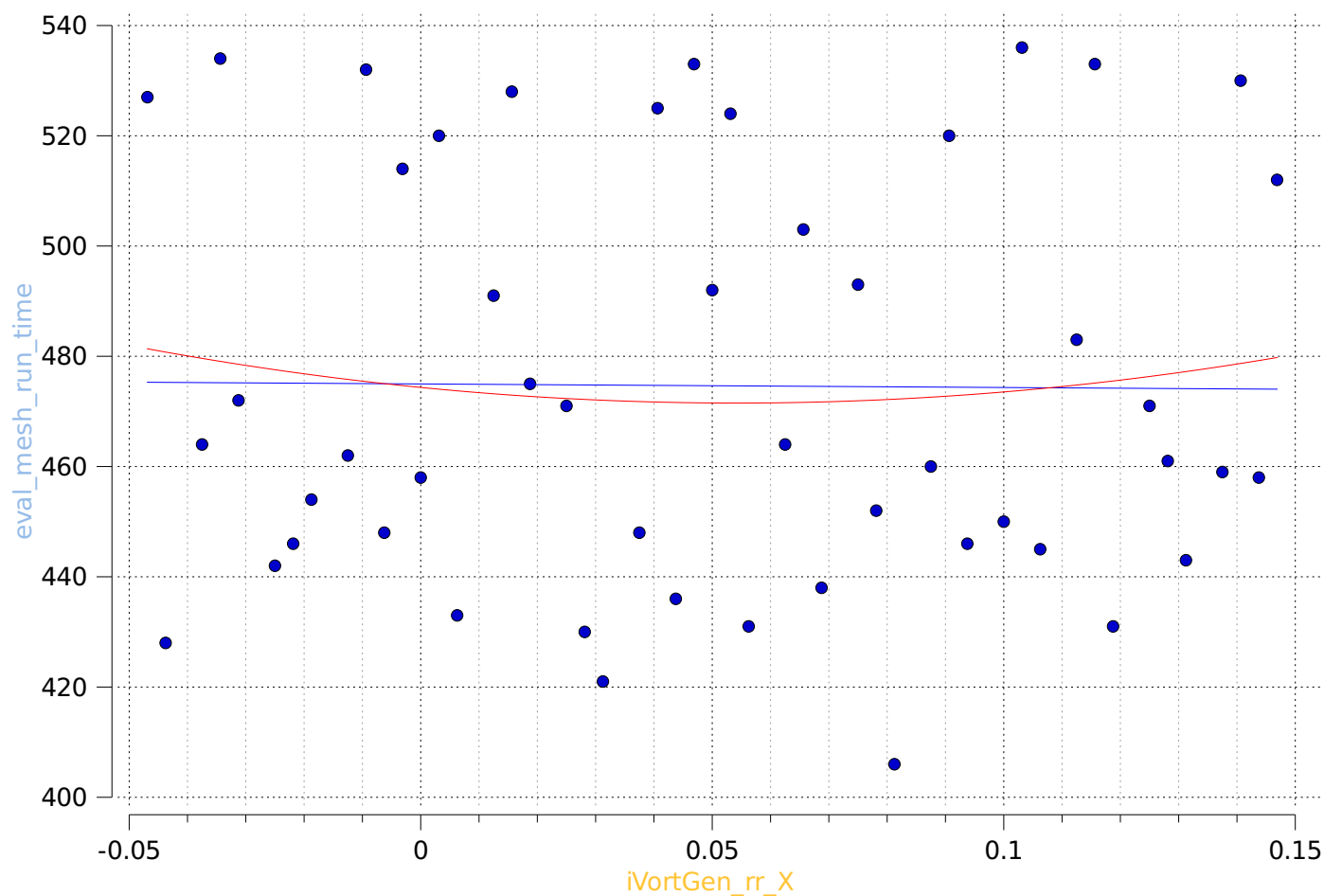
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Design Variable |DVs|iVortGen_mid_X



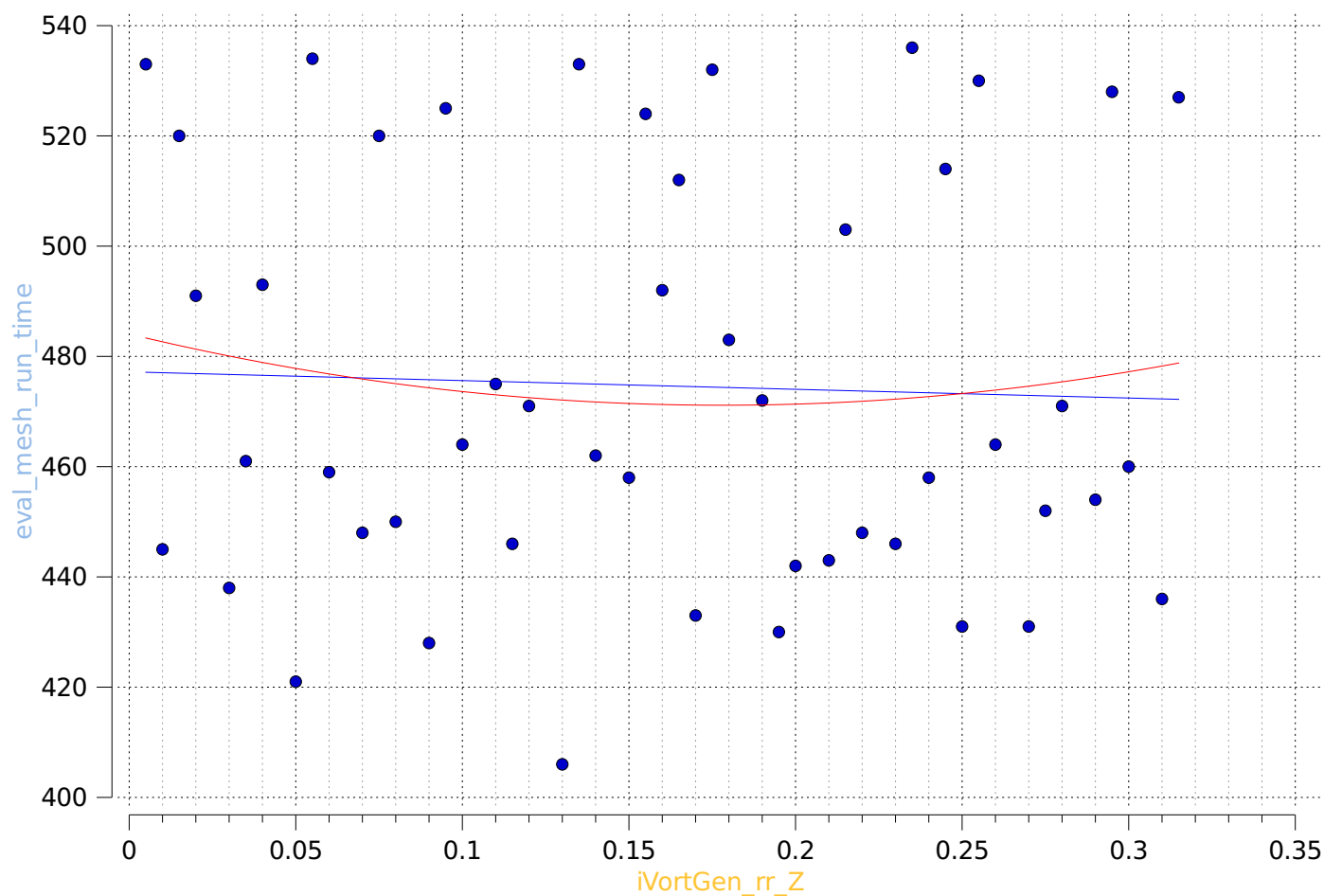
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Design Variable |DVs|iVortGen_mid_Z



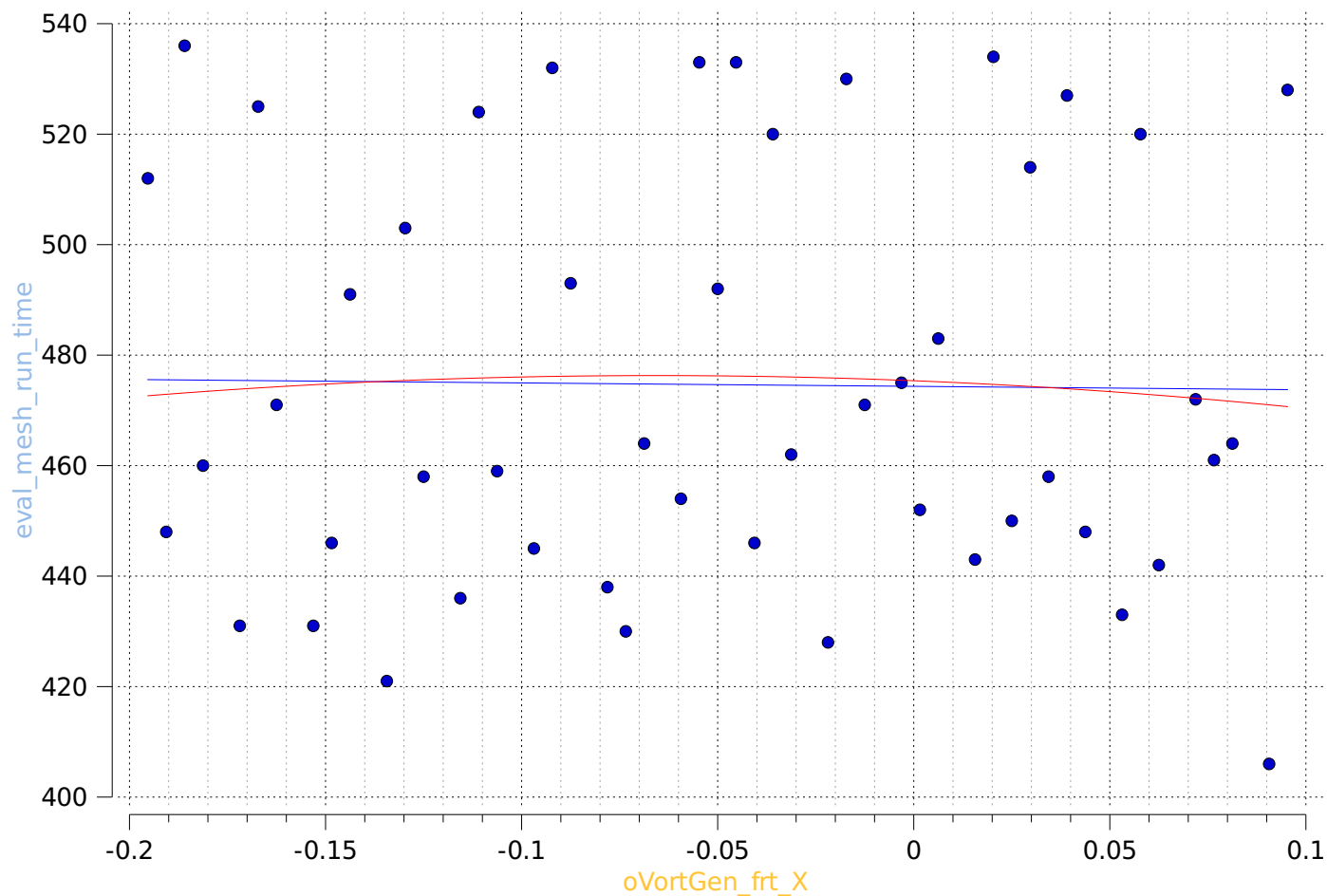
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Design Variable |DVs|iVortGen_rr_X



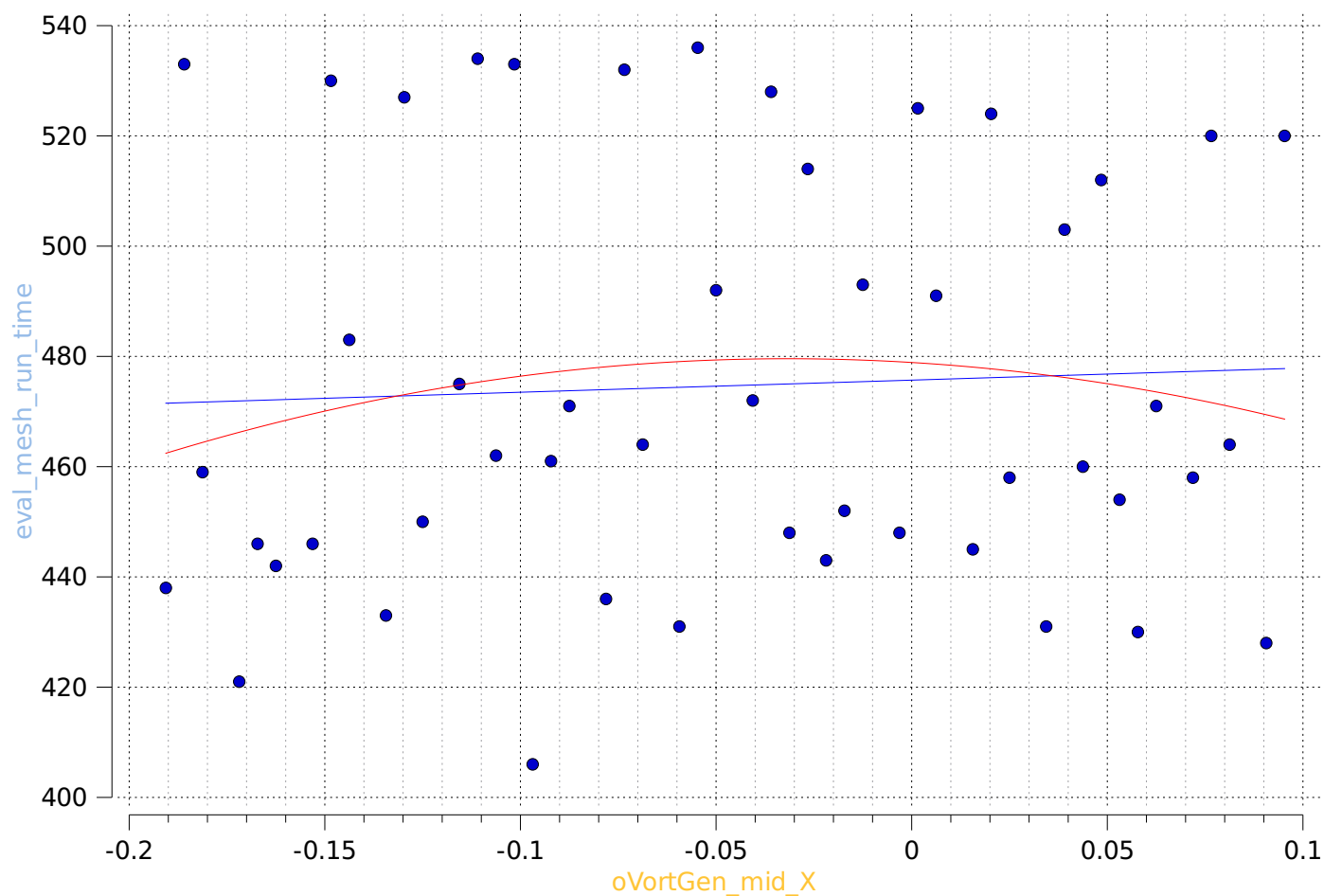
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Design Variable |DVs|iVortGen_rr_Z



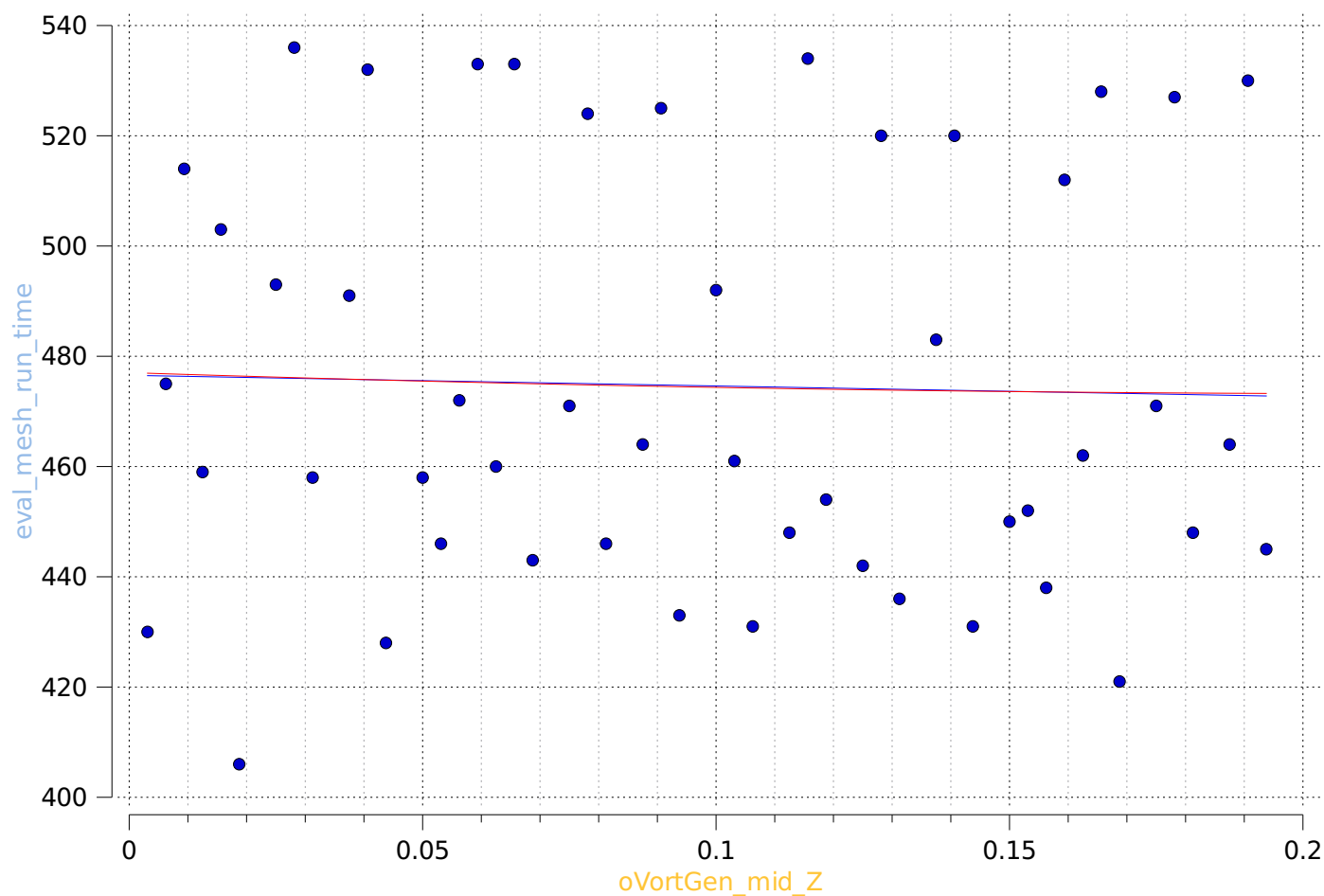
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Design Variable |DVs|oVortGen_frt_X



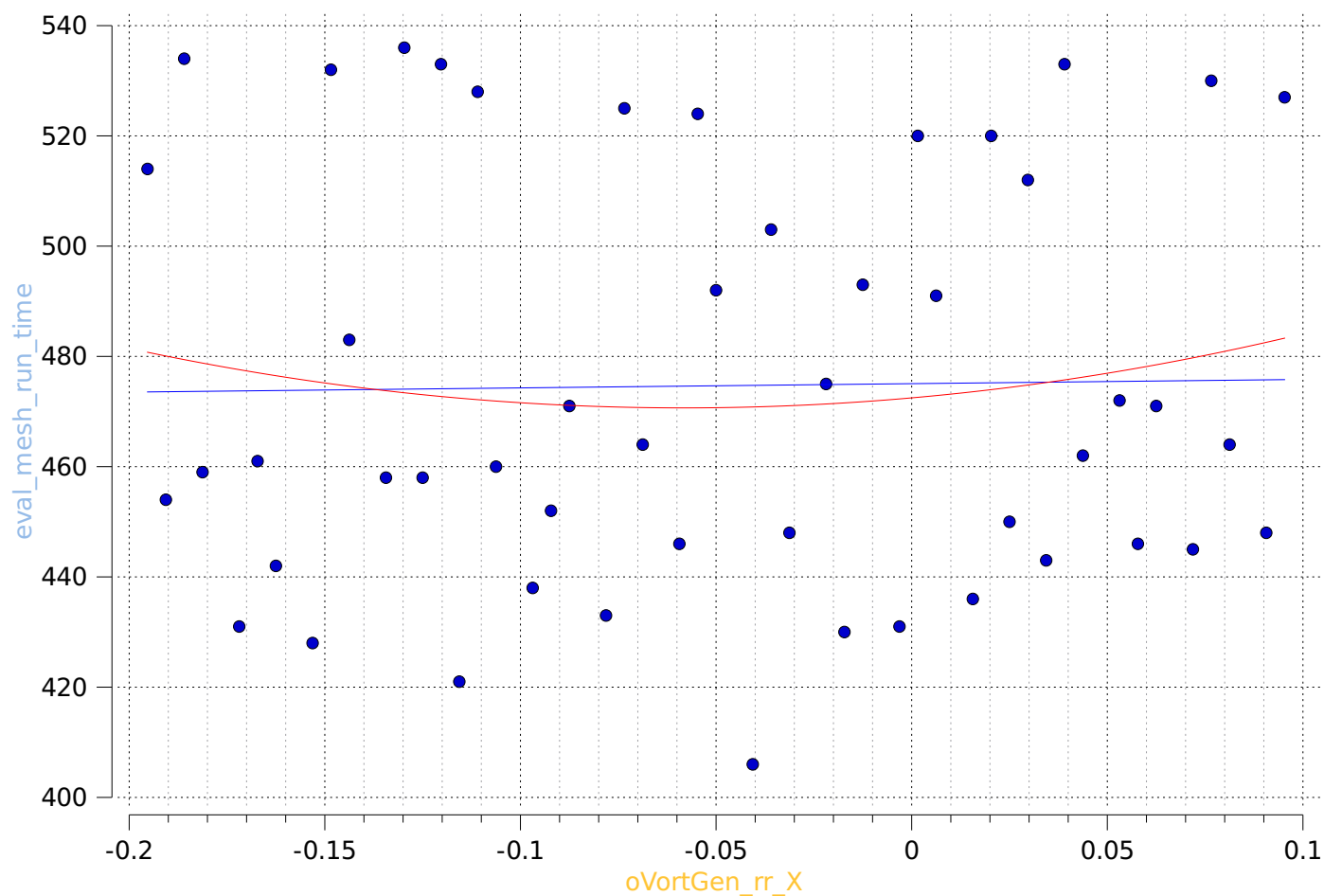
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Design Variable |DVs|oVortGen_mid_X



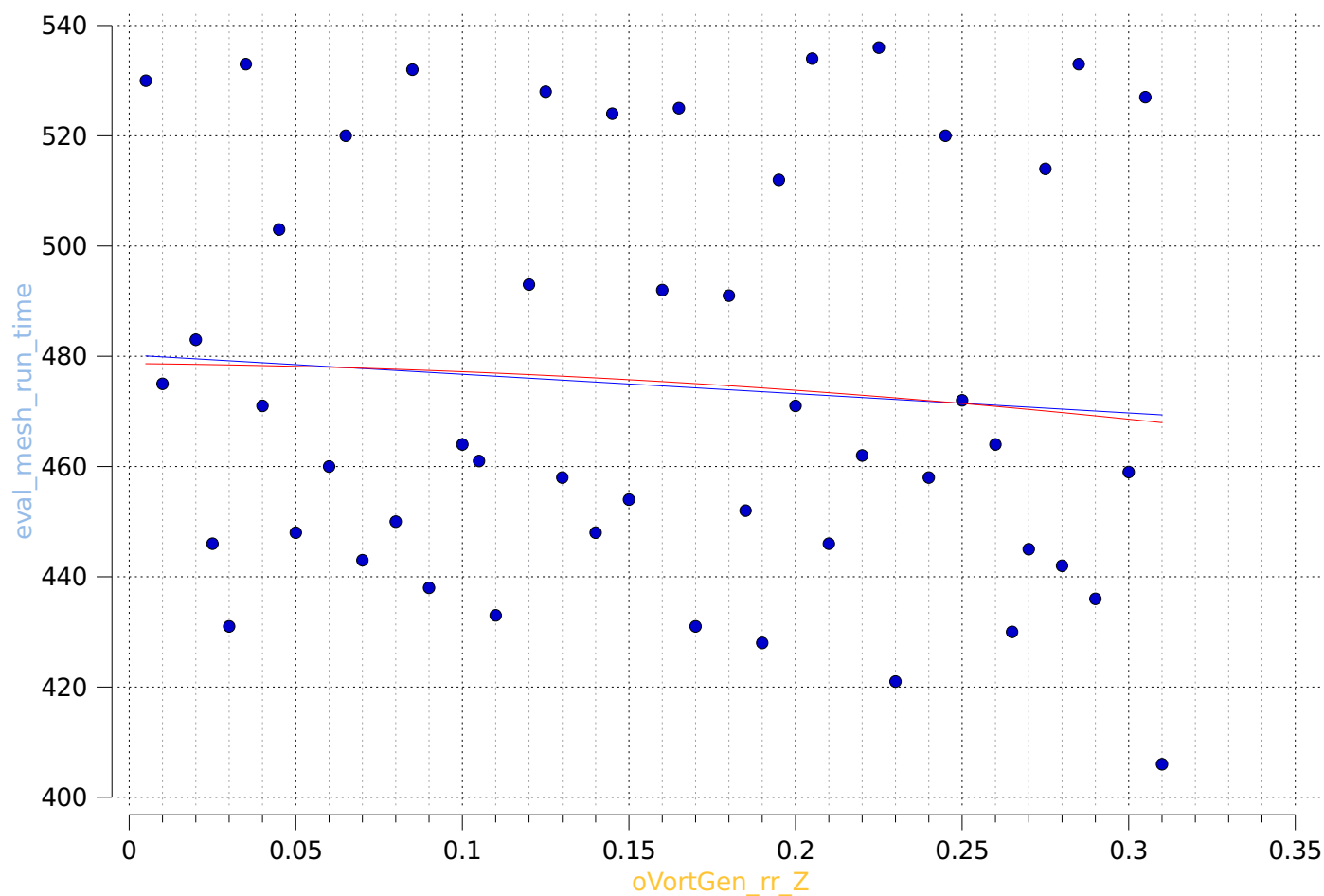
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Design Variable |DVs|oVortGen_mid_Z



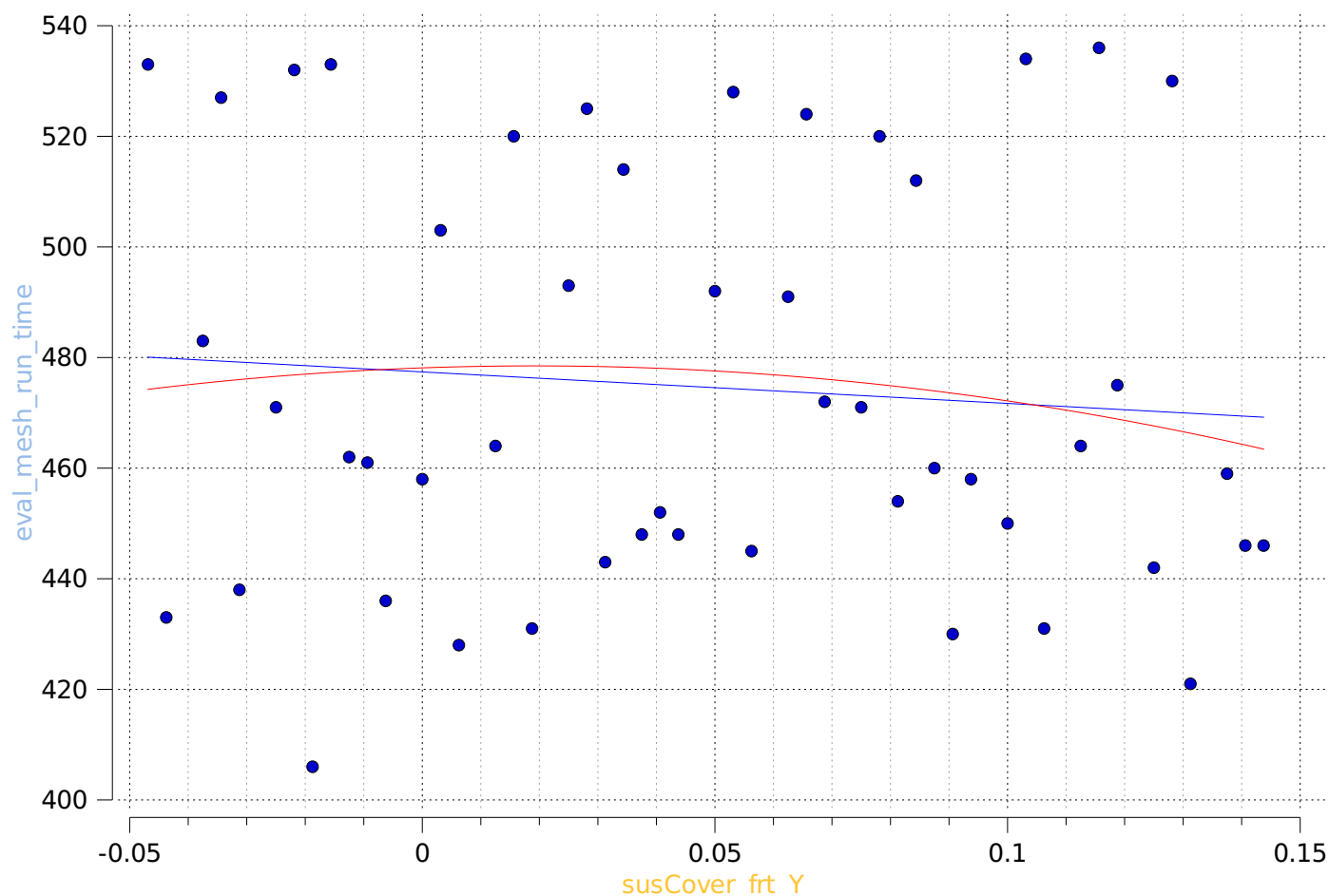
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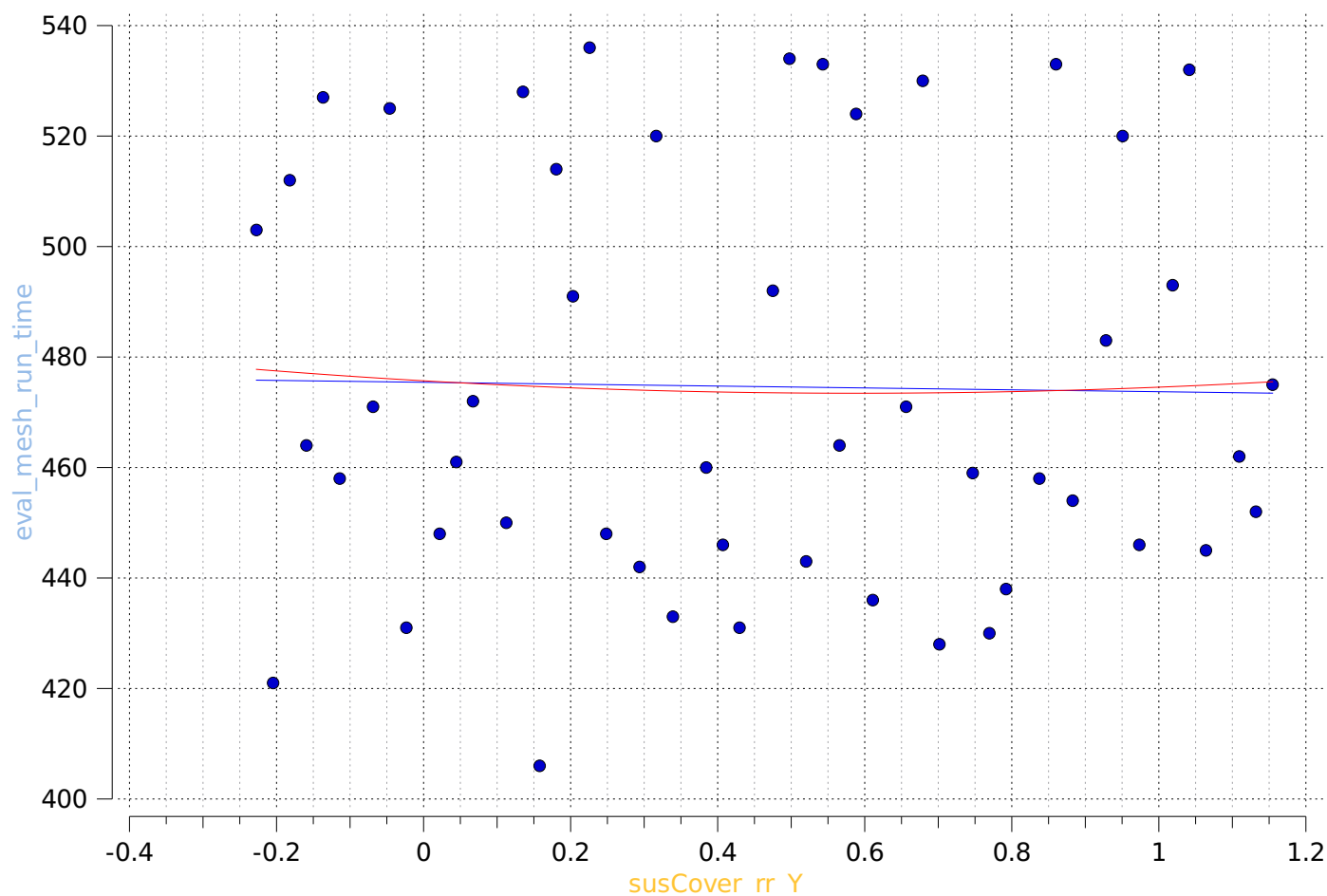
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Design Variable |DVs|oVortGen_rr_Z



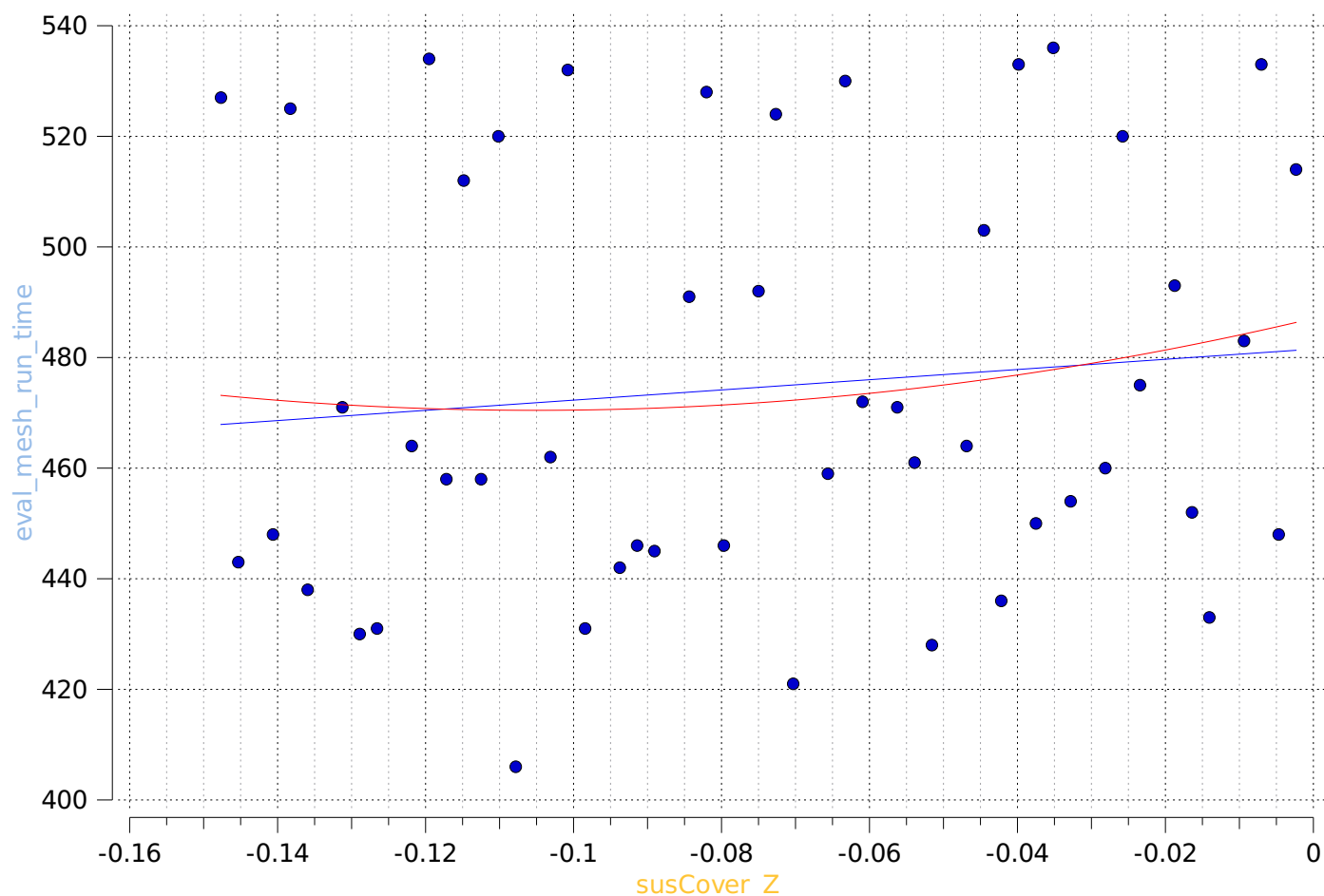
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Design Variable |DVs|susCover_frnt_Y



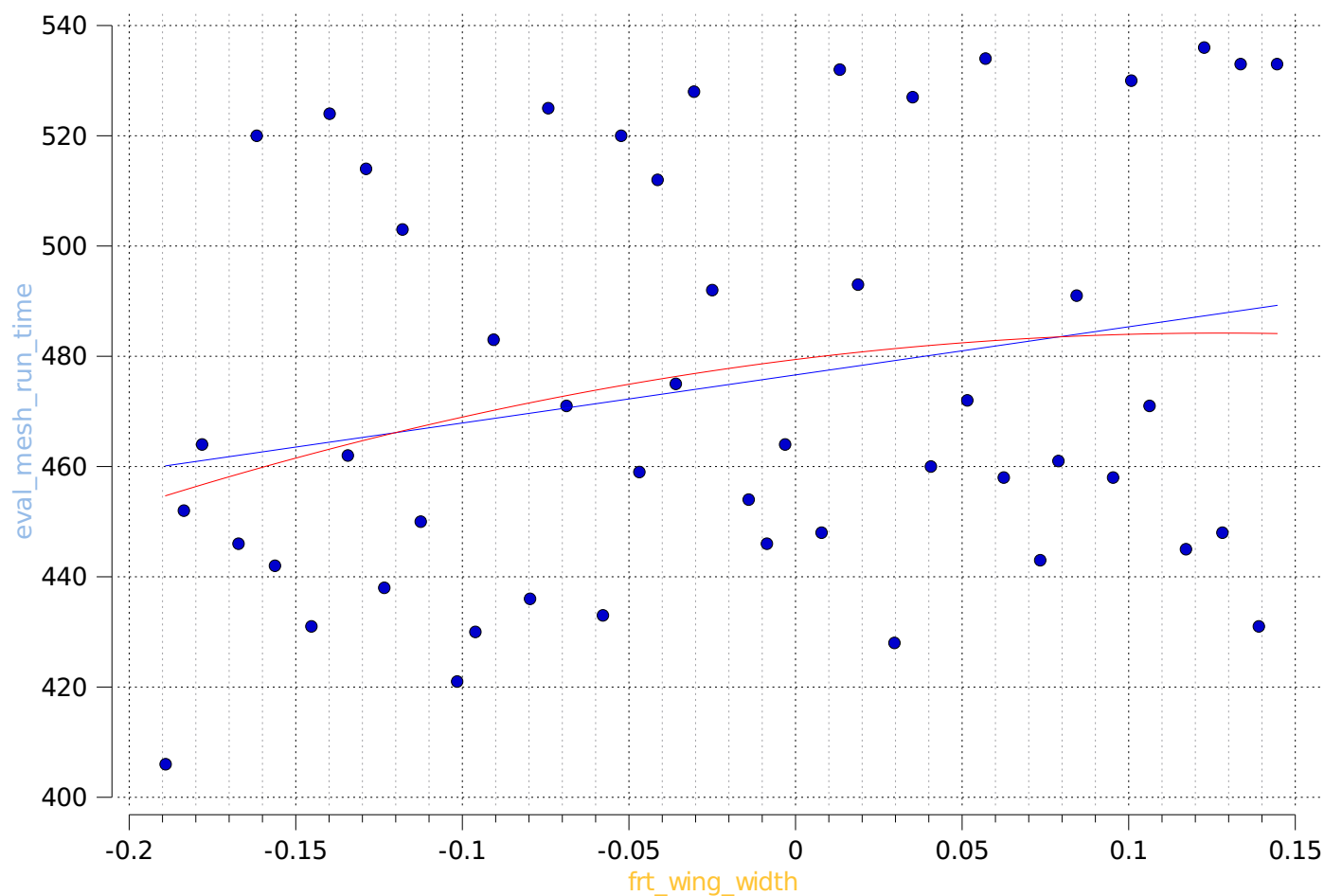
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Design Variable |DVs|susCover_rr_Y



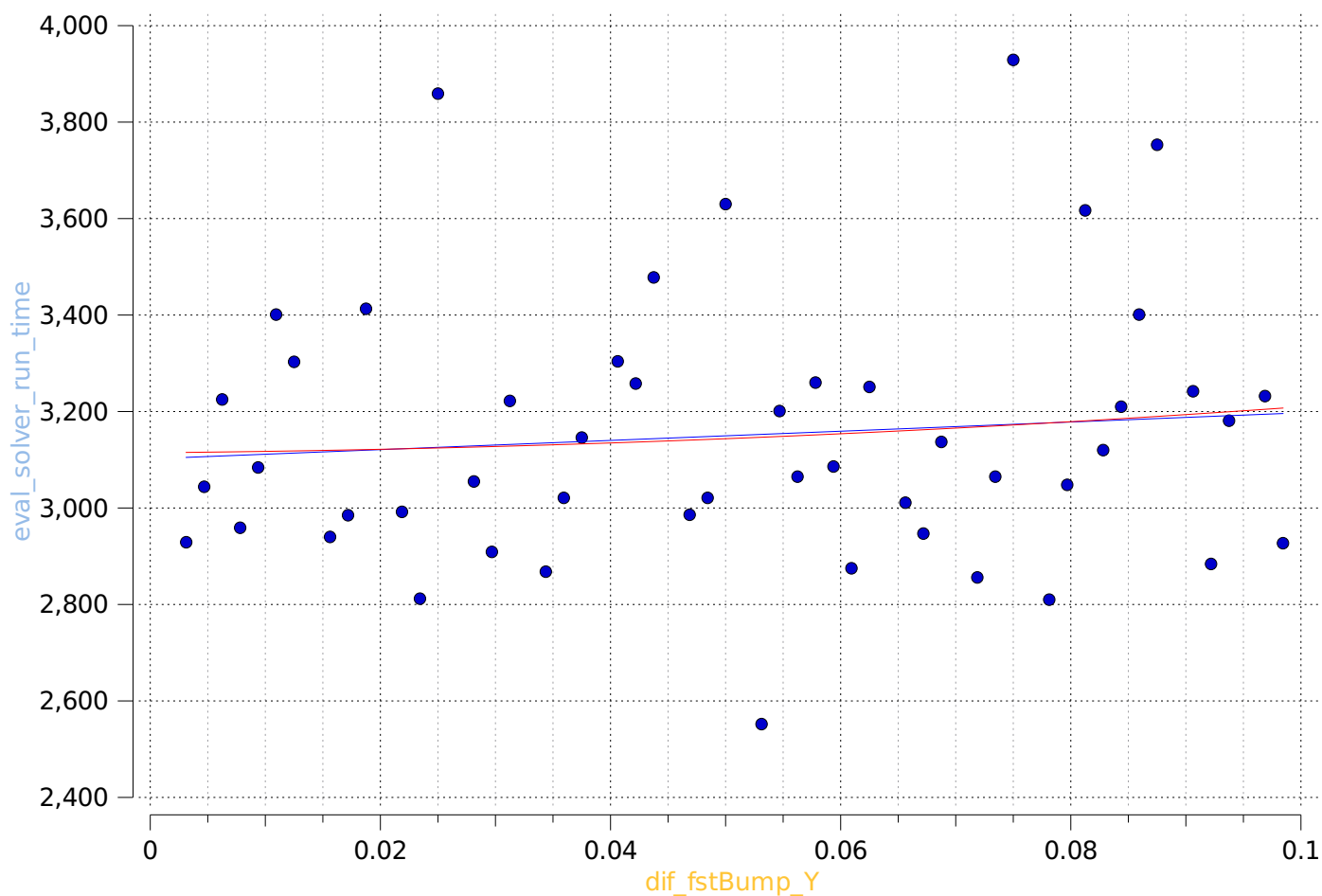
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Design Variable |DVs|susCover_Z



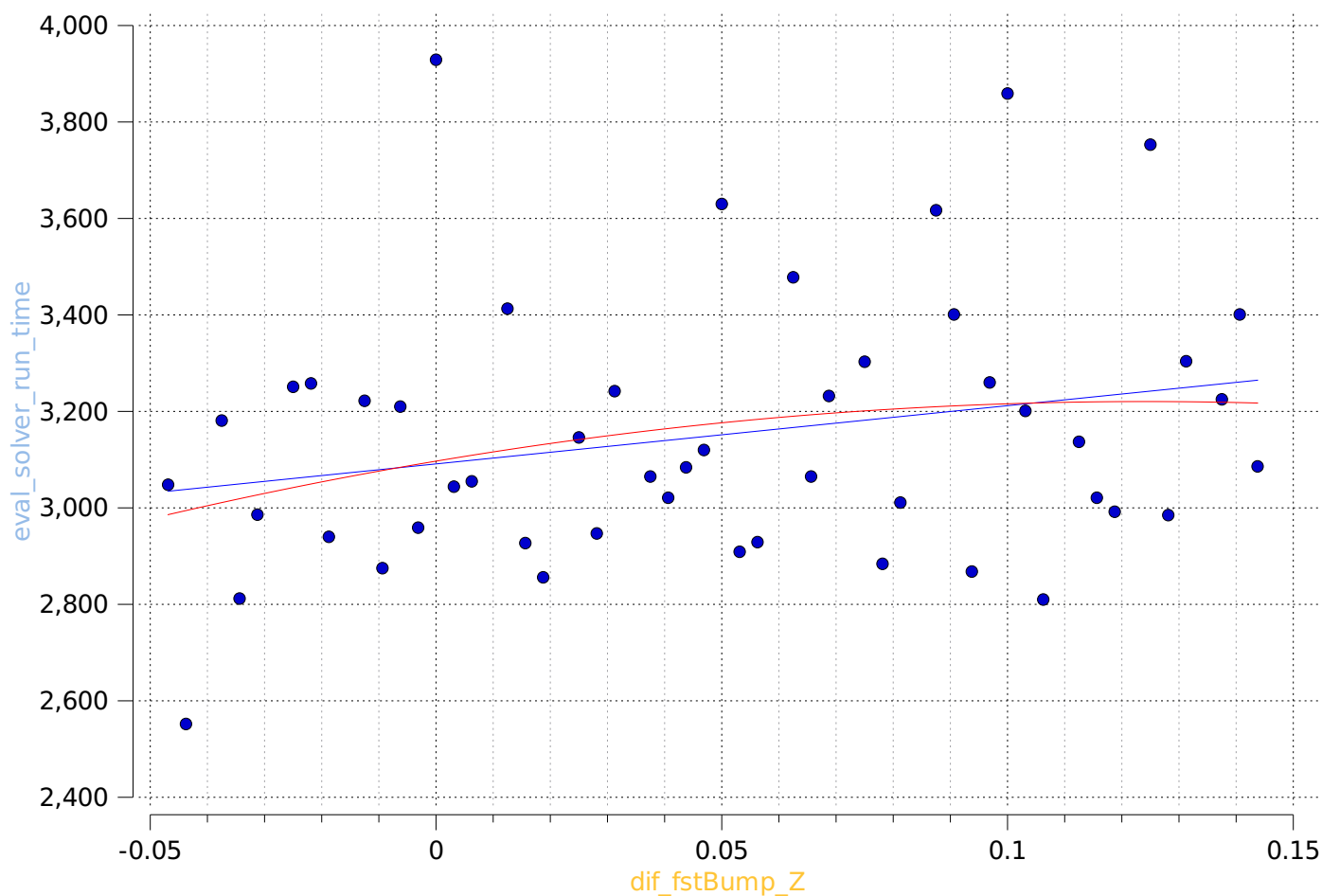
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Design Variable |DVs|frt_wing_width



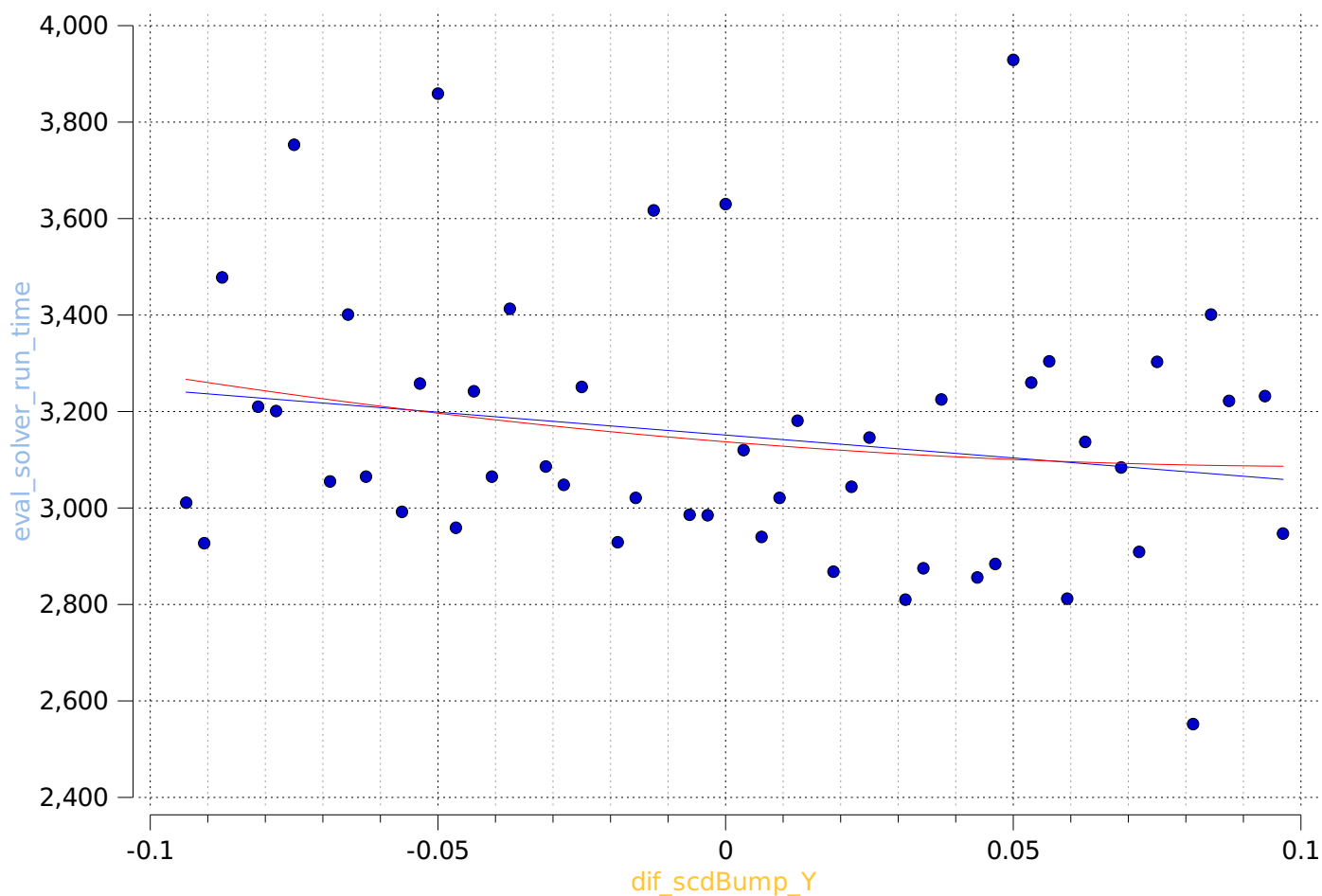
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Design Variable |DVs|dif_fstBump_Y



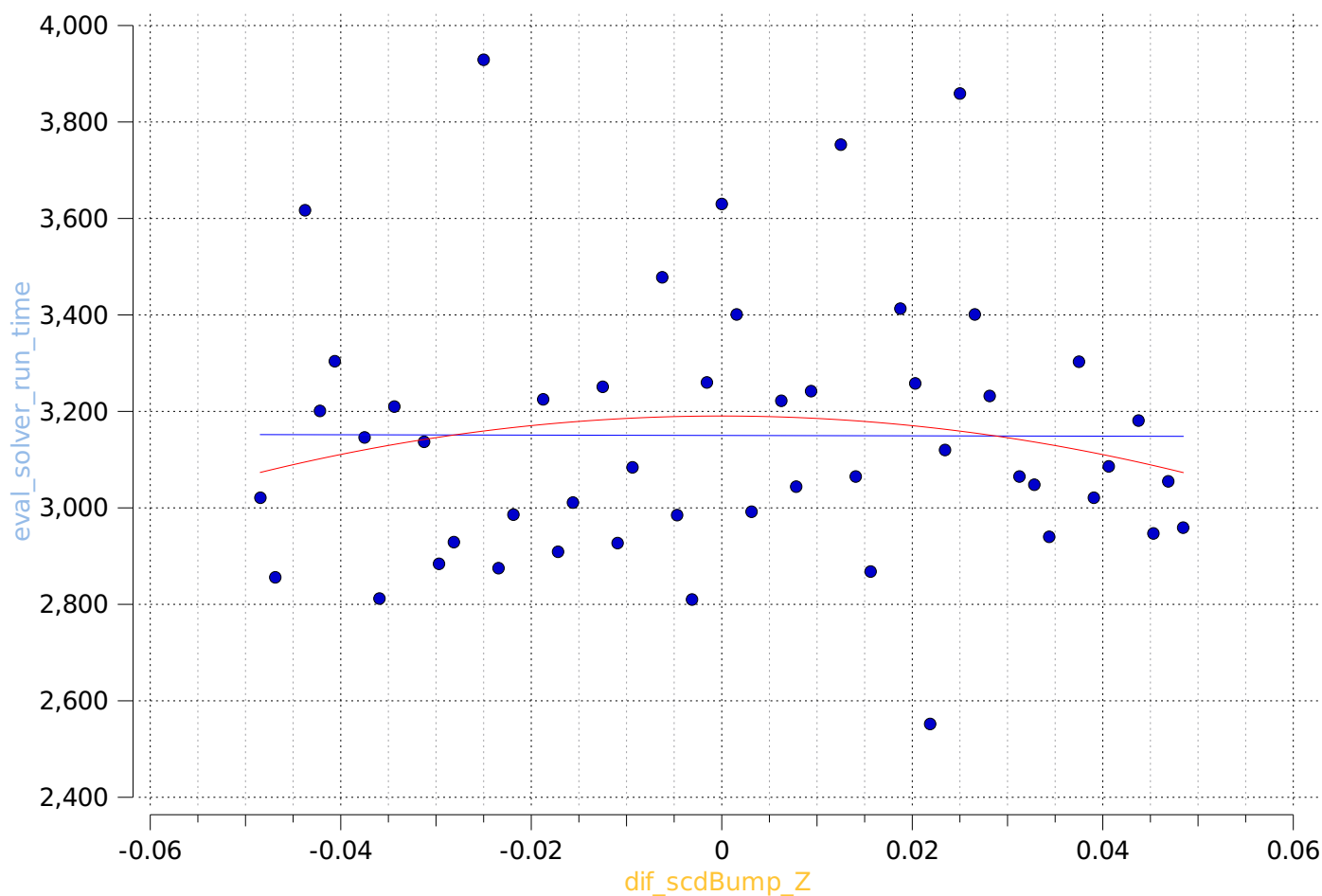
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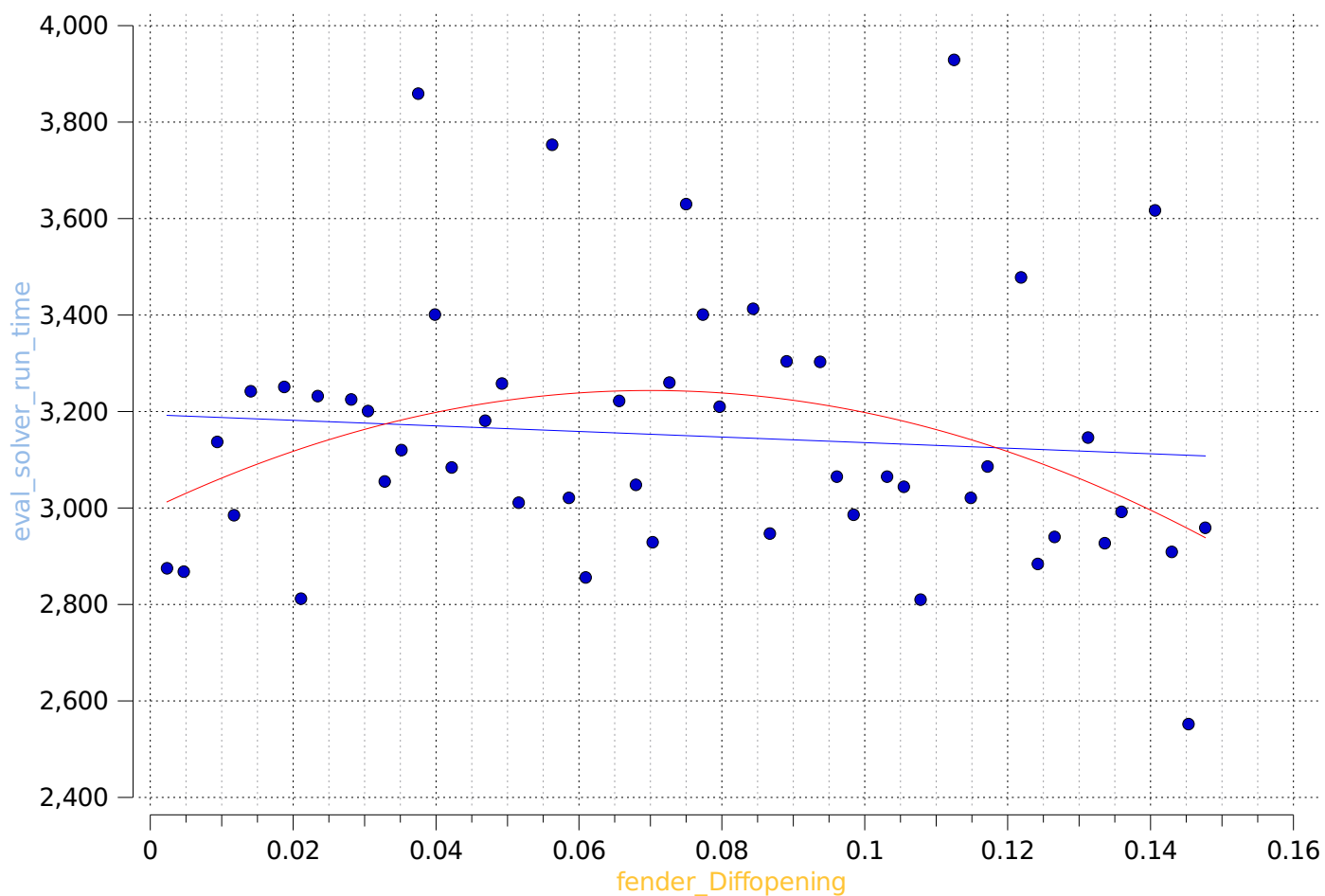
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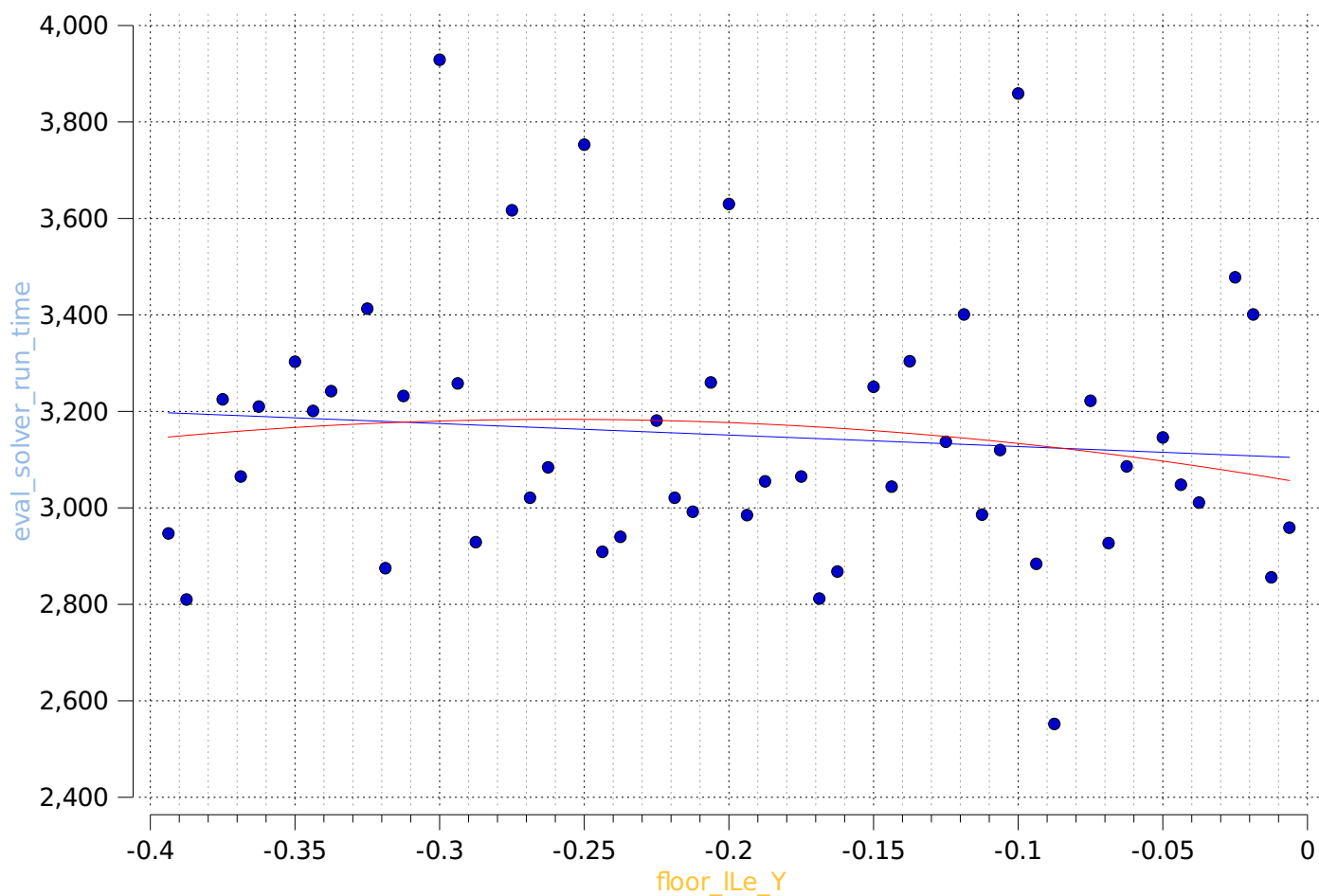
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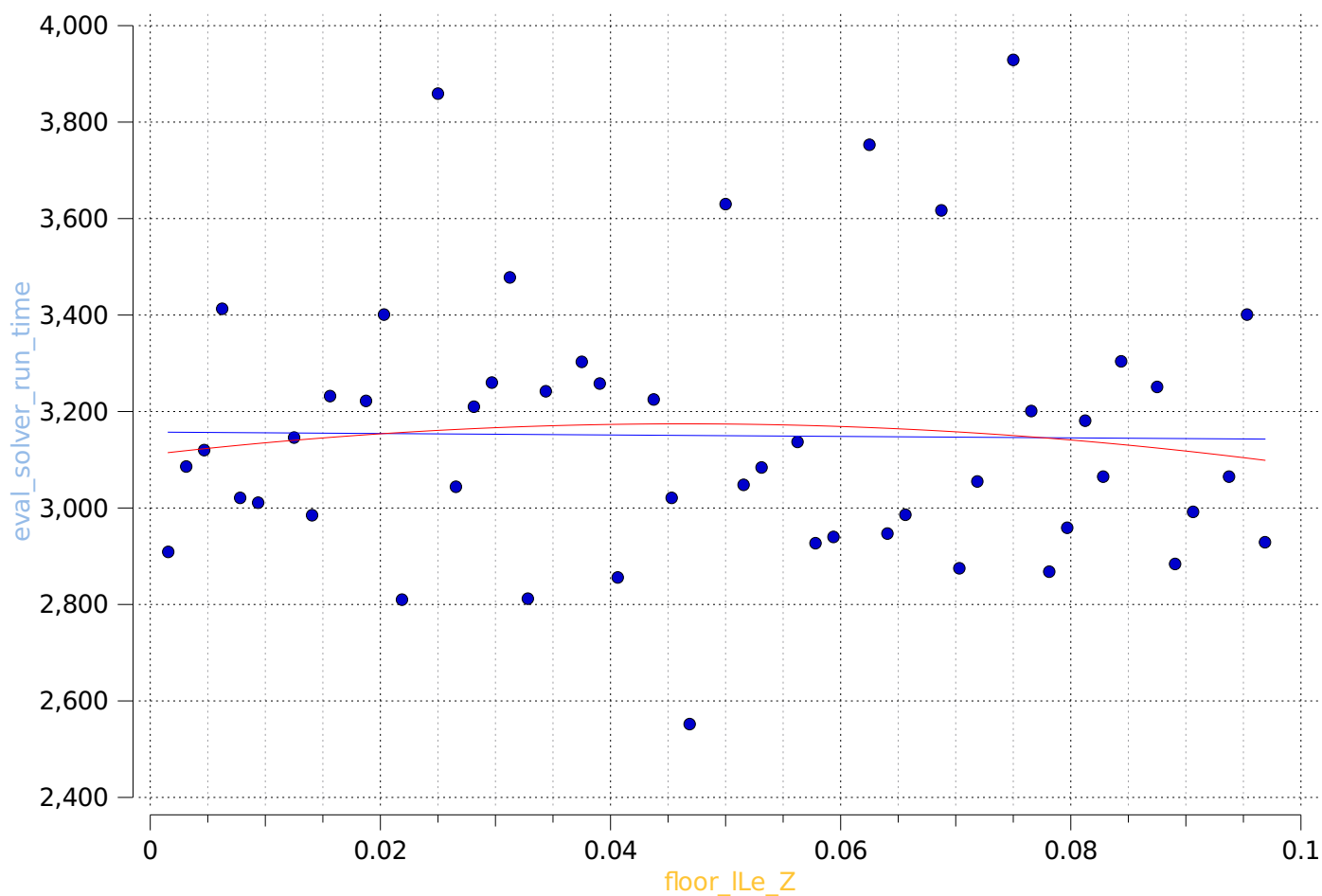
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Design Variable |DVs|fender_Diffopening



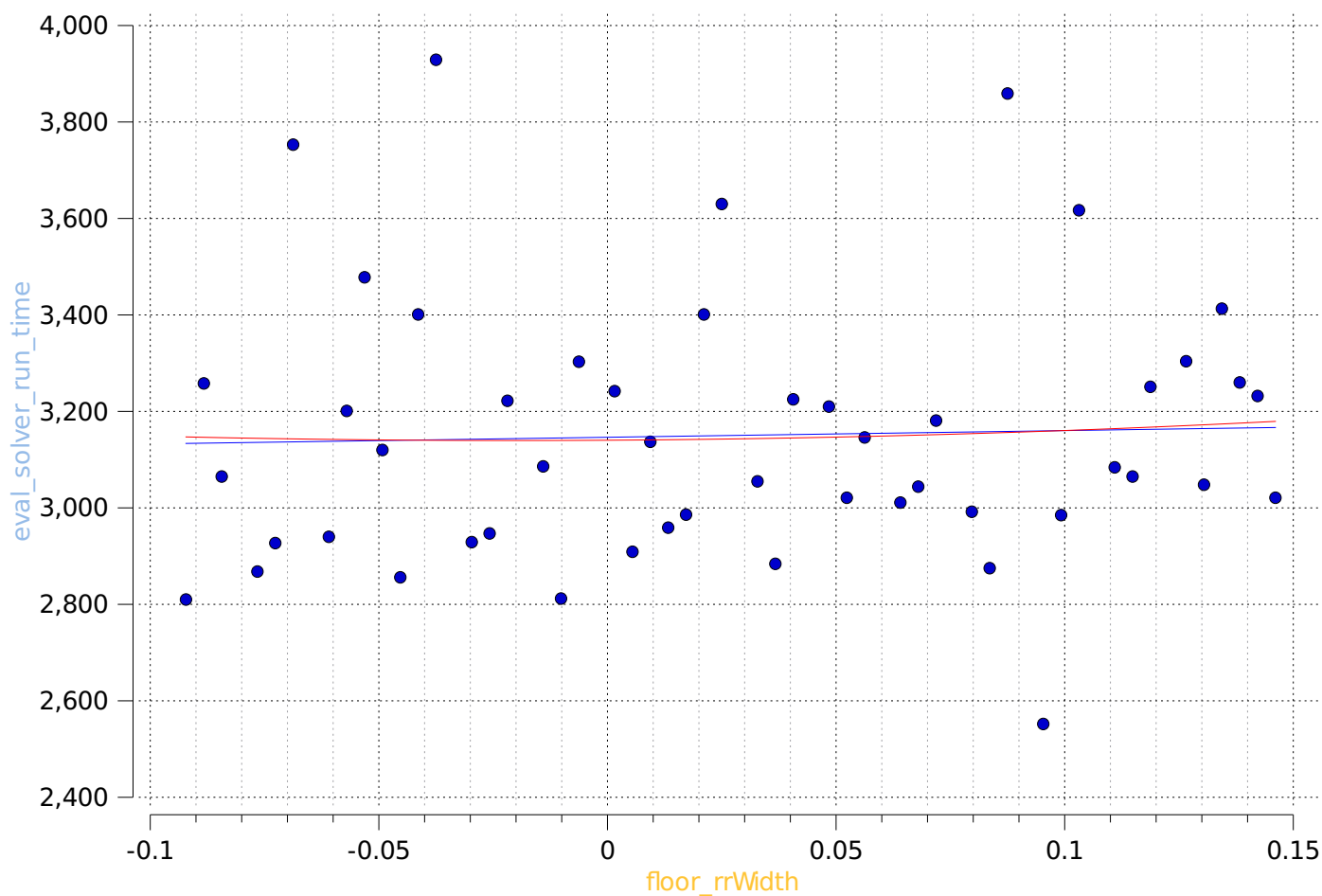
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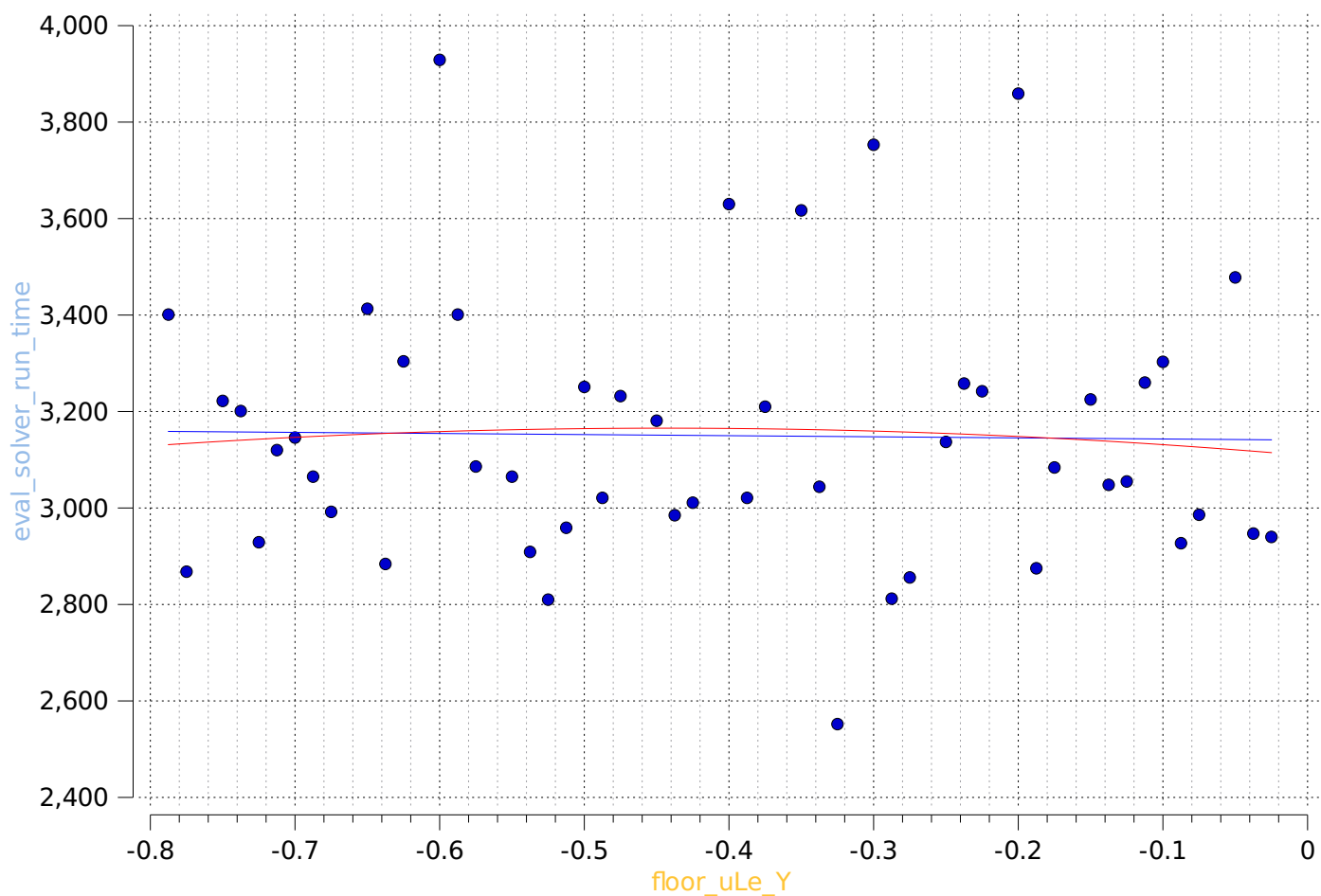
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Design Variable |DVs|floor_ILe_Z



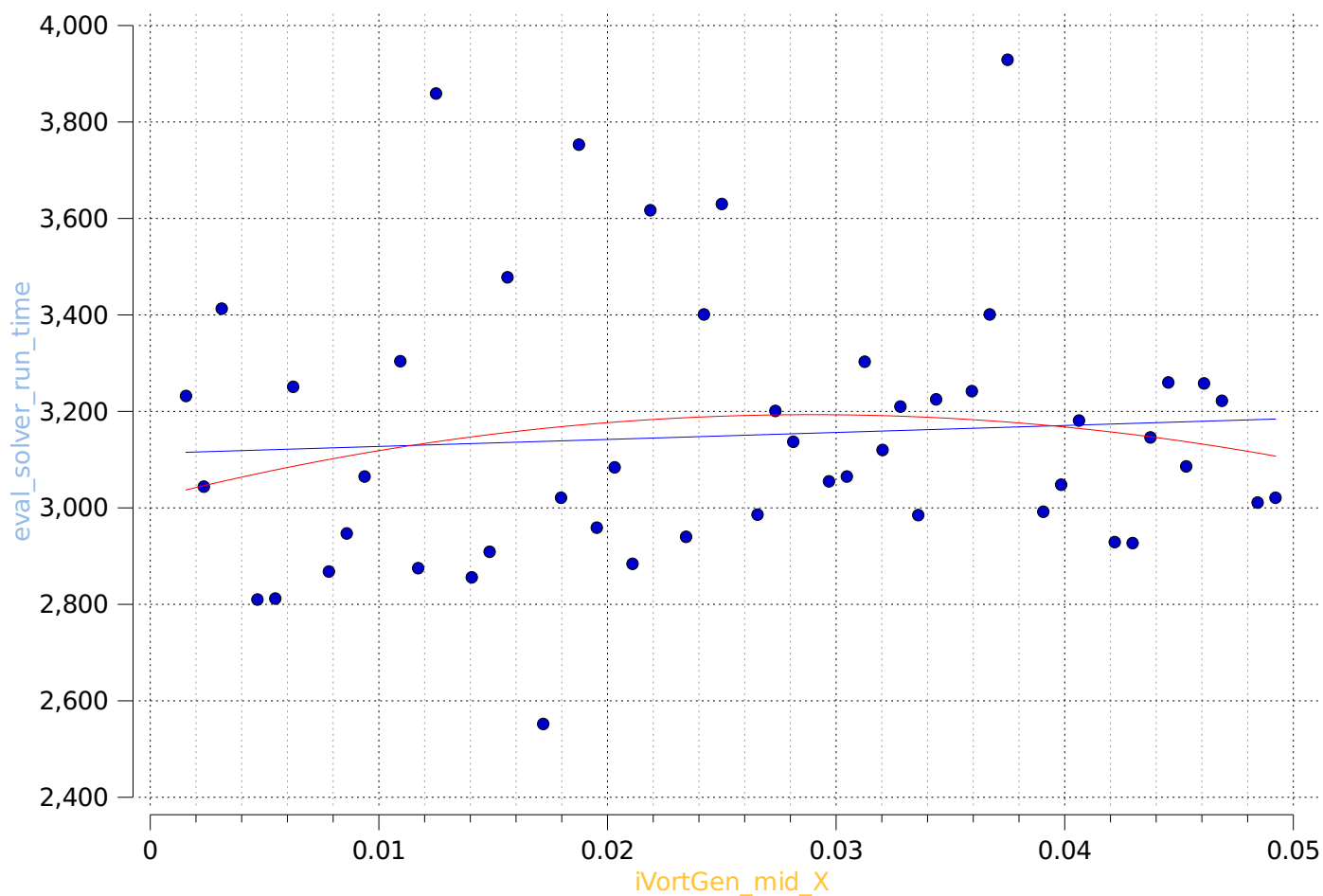
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Design Variable |DVs|floor_rrWidth



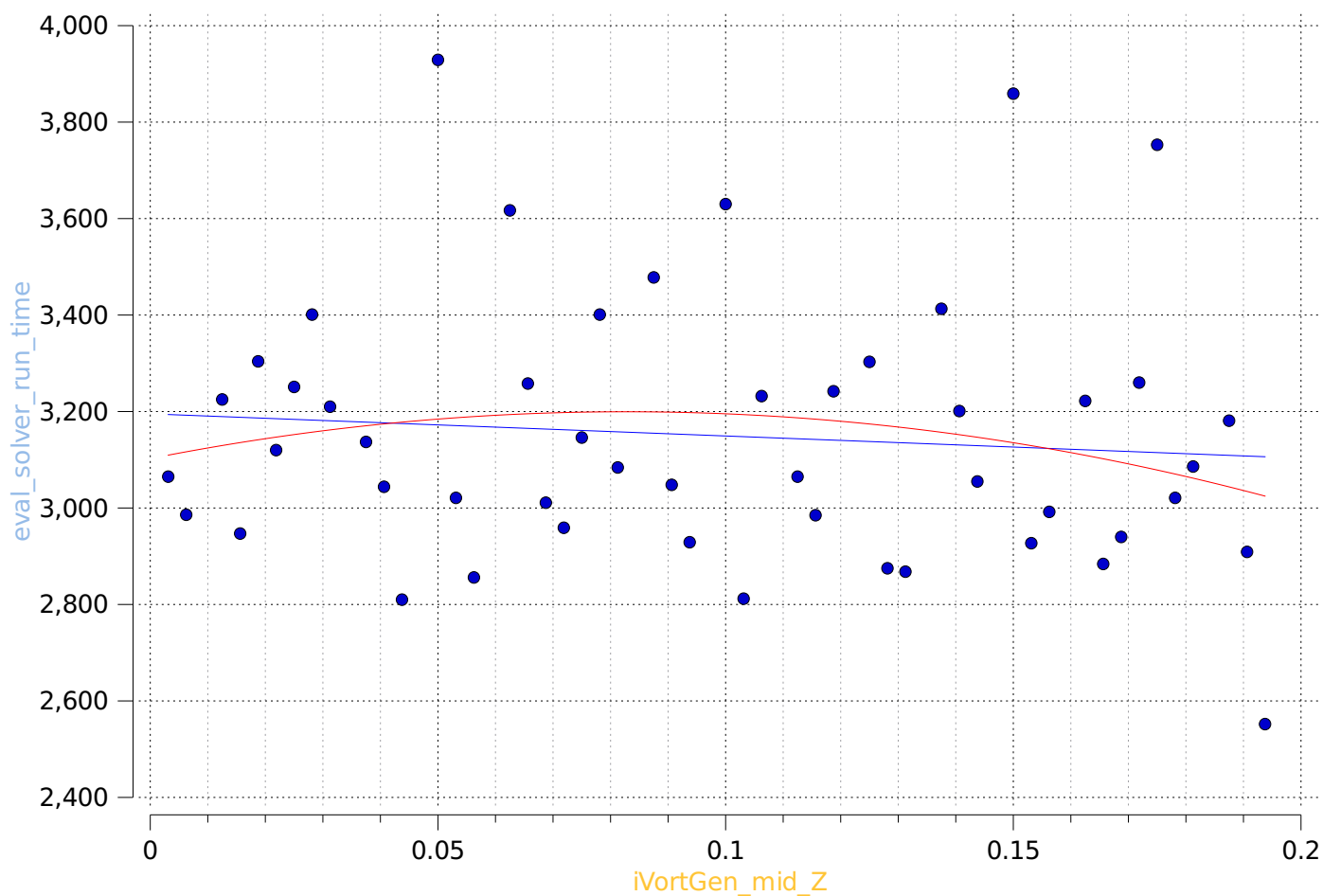
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Design Variable |DVs|floor_uLe_Y



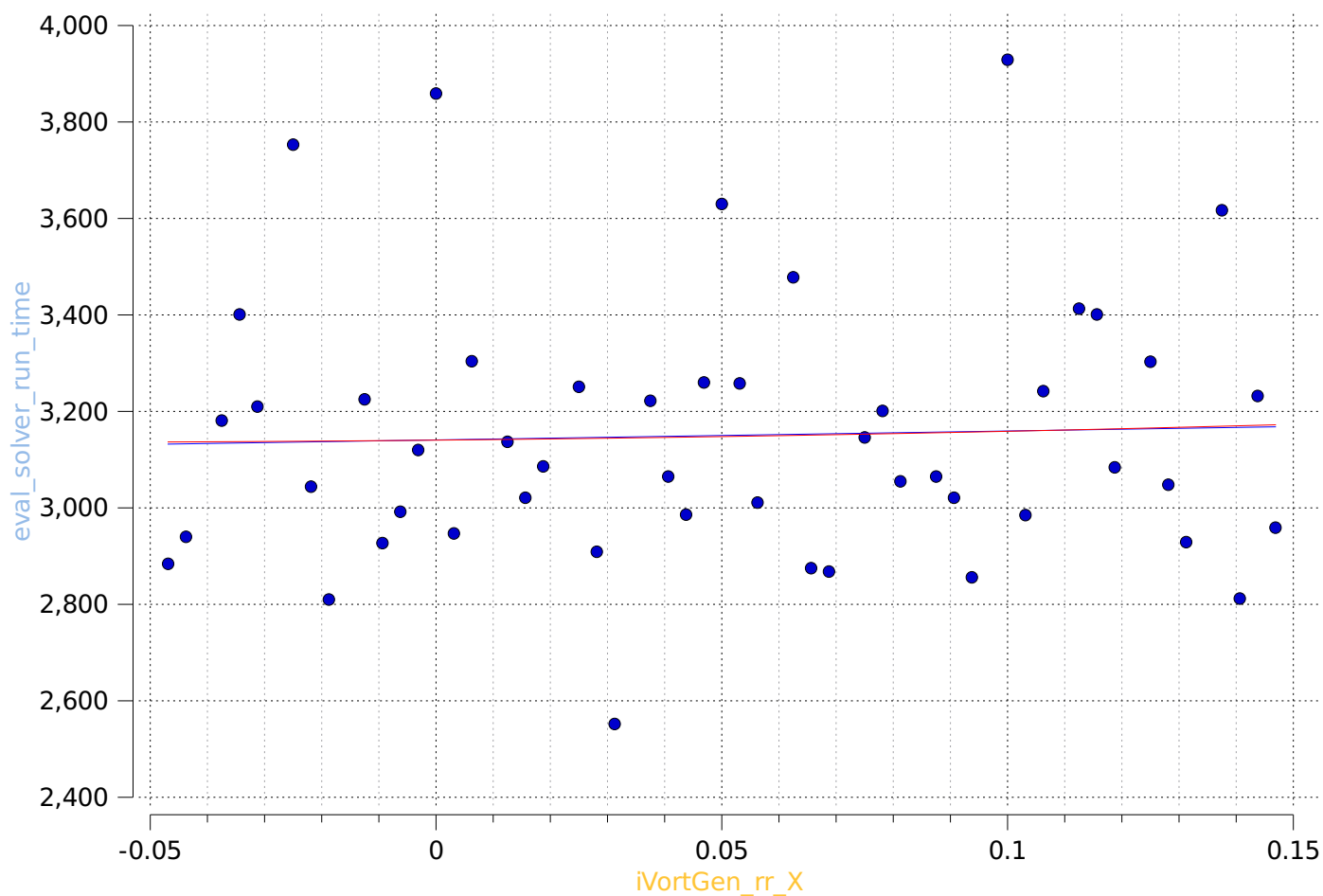
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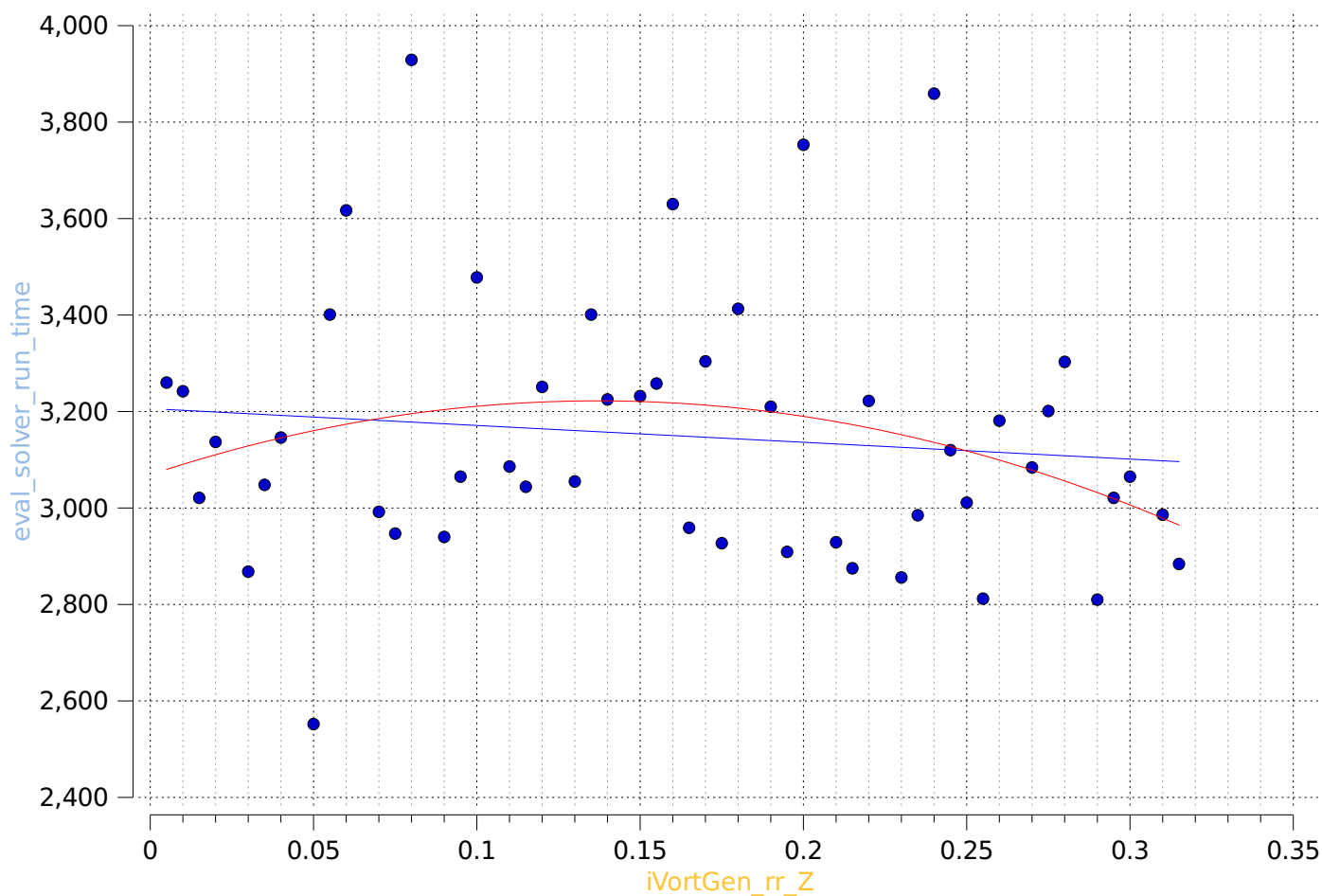
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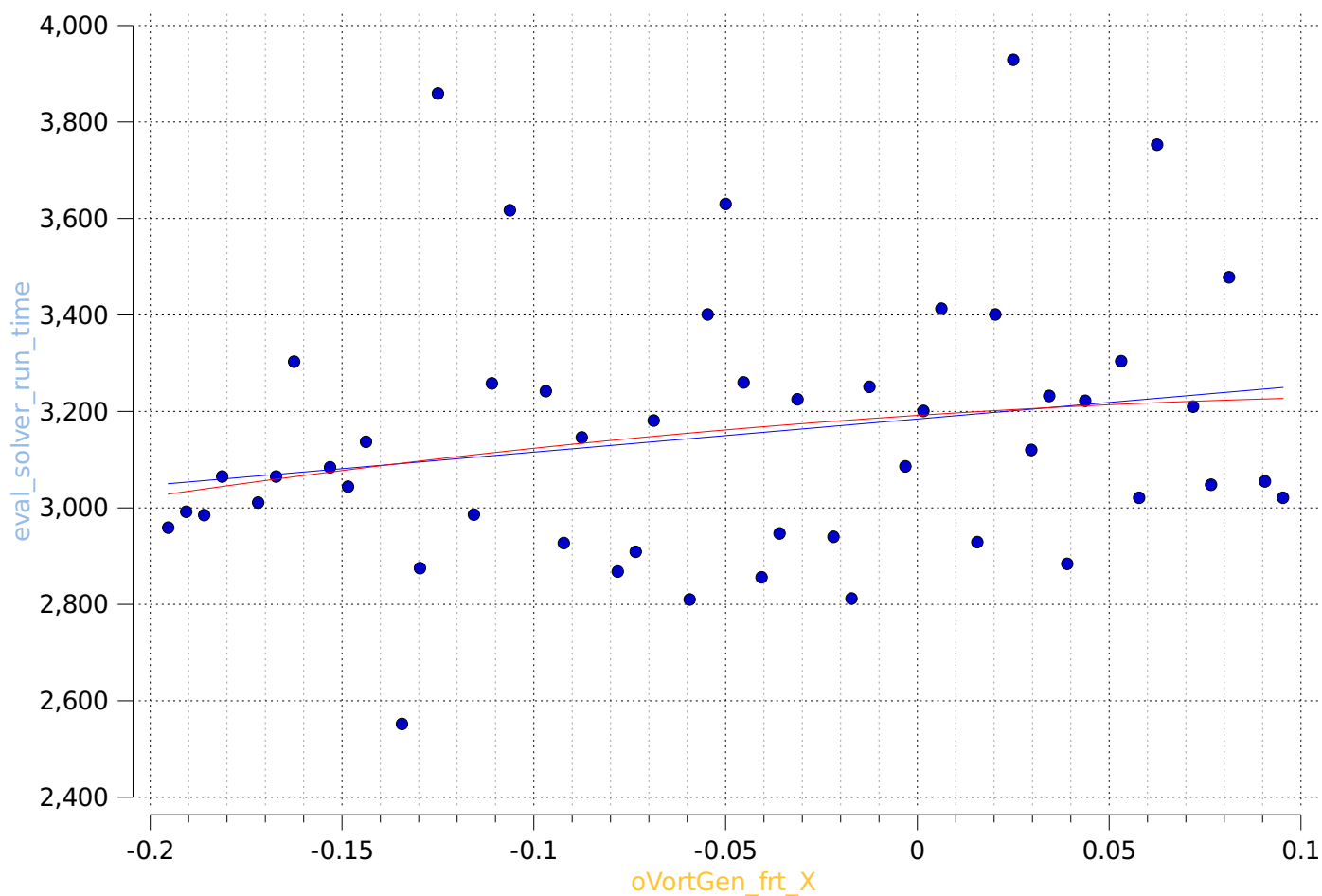
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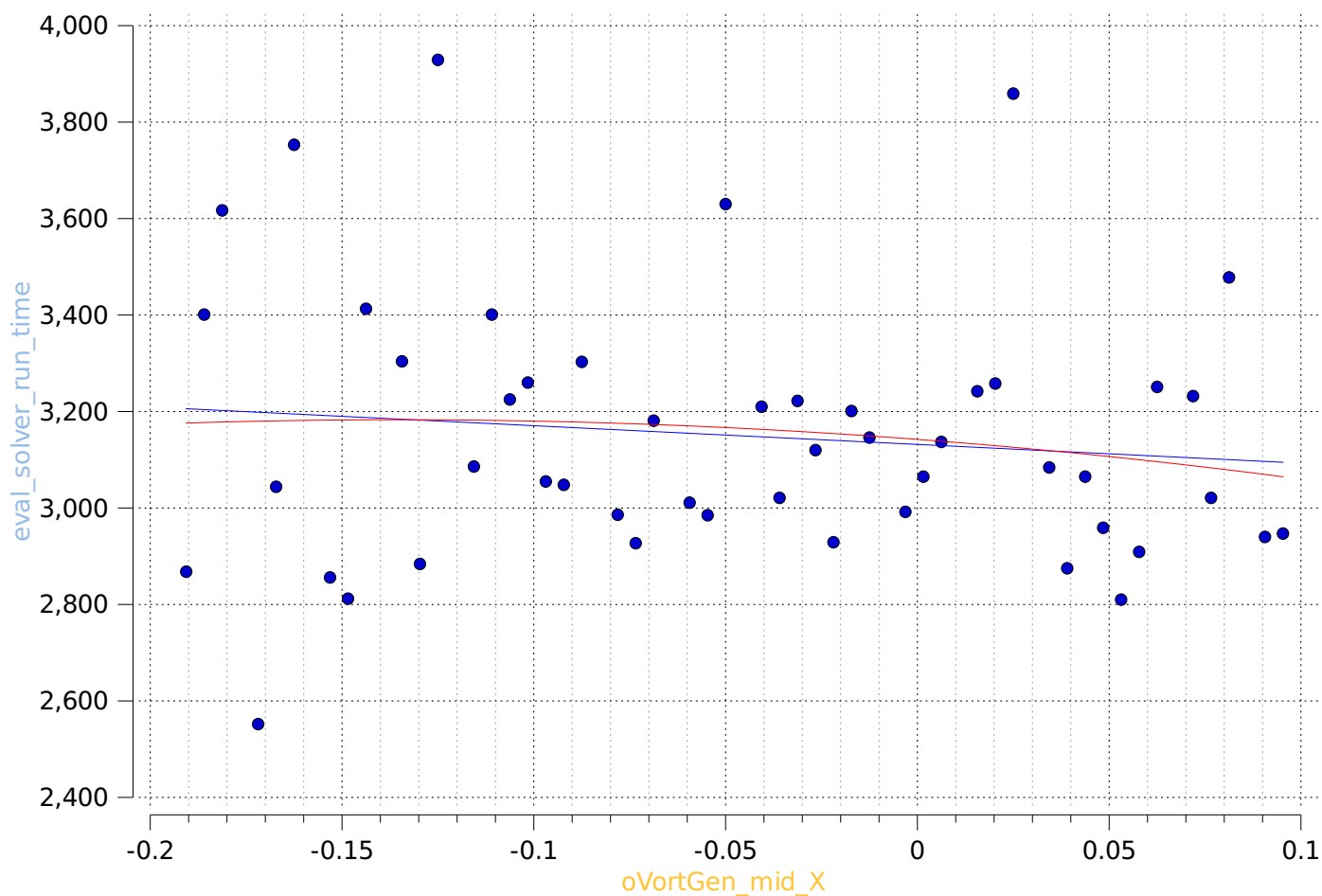
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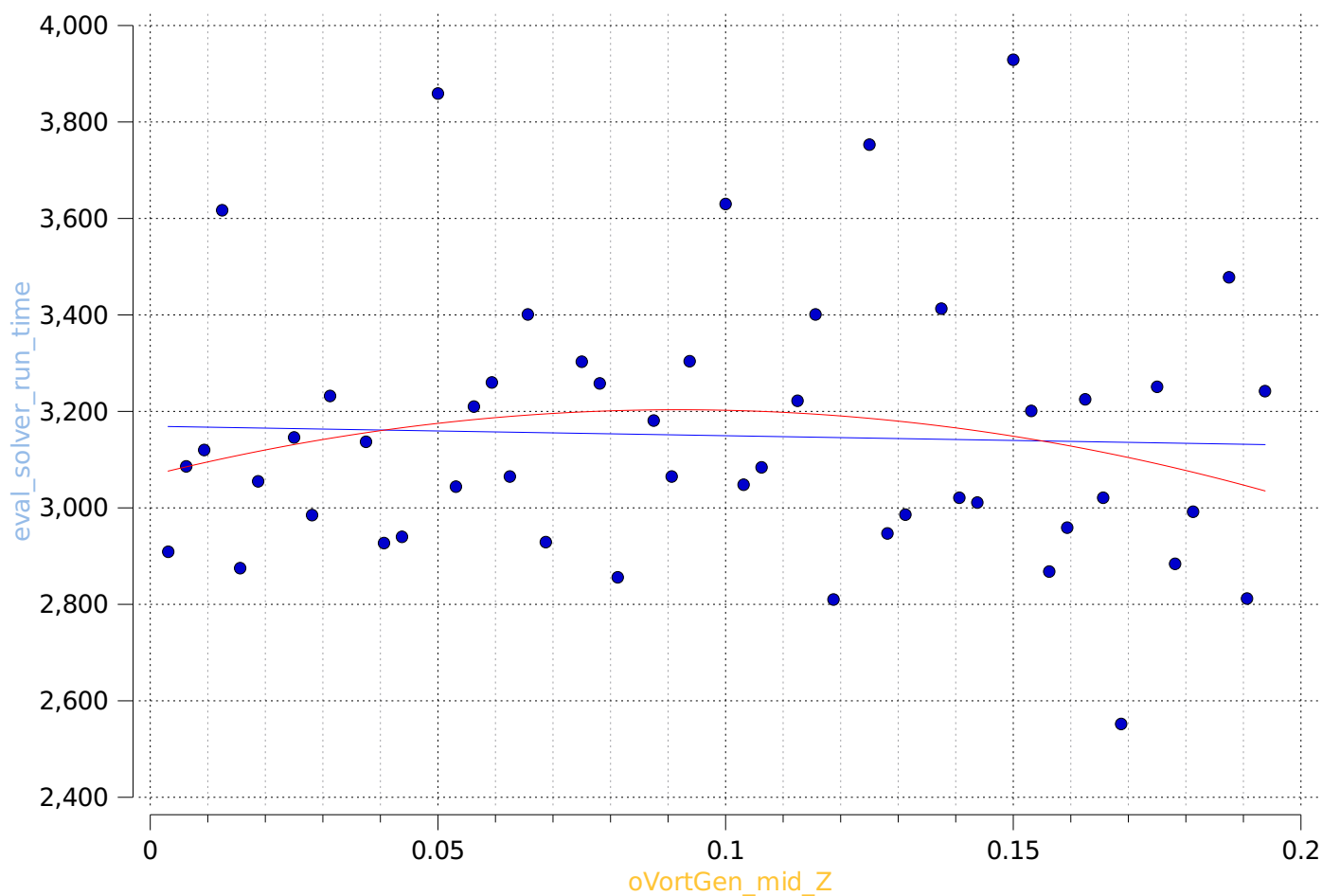
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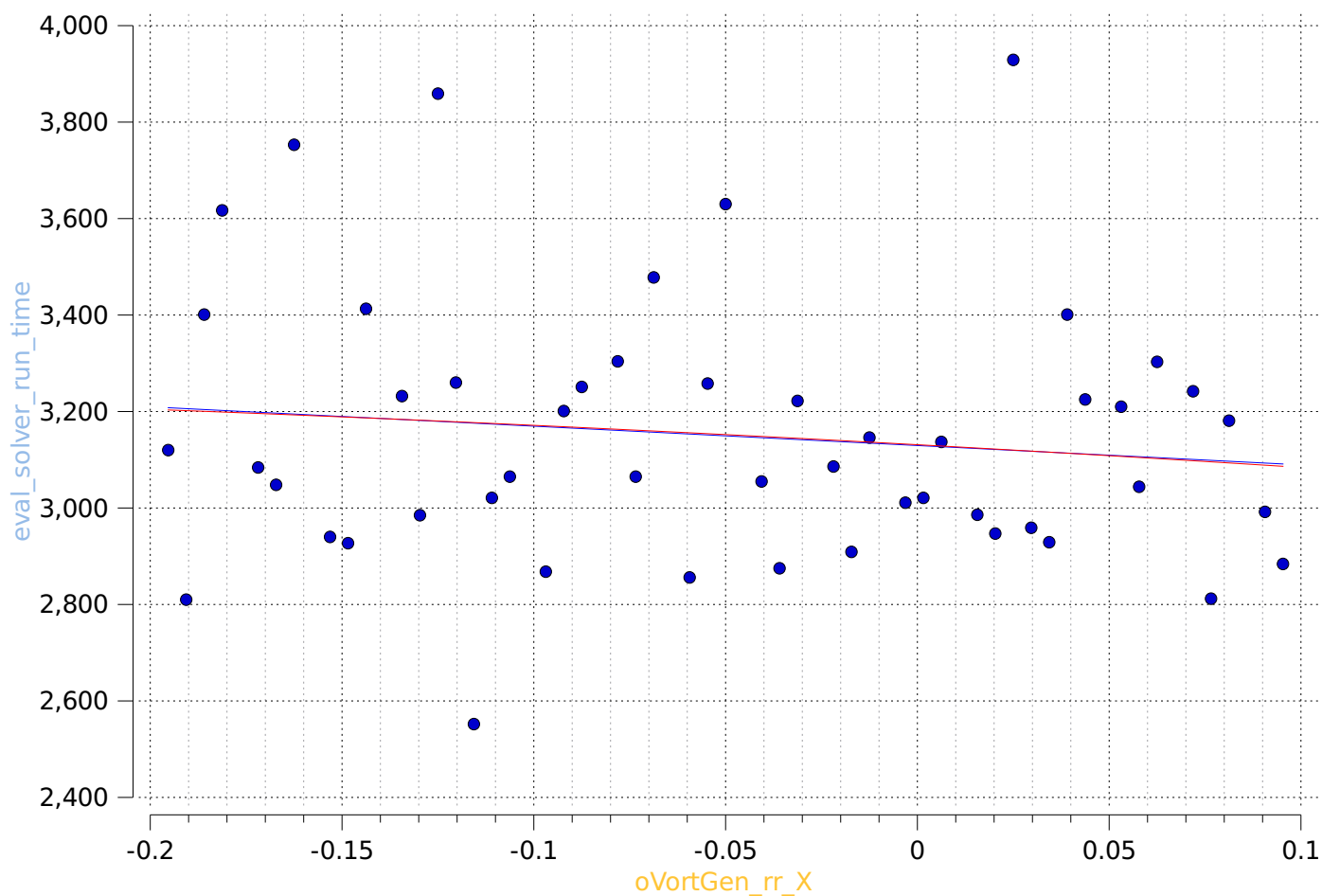
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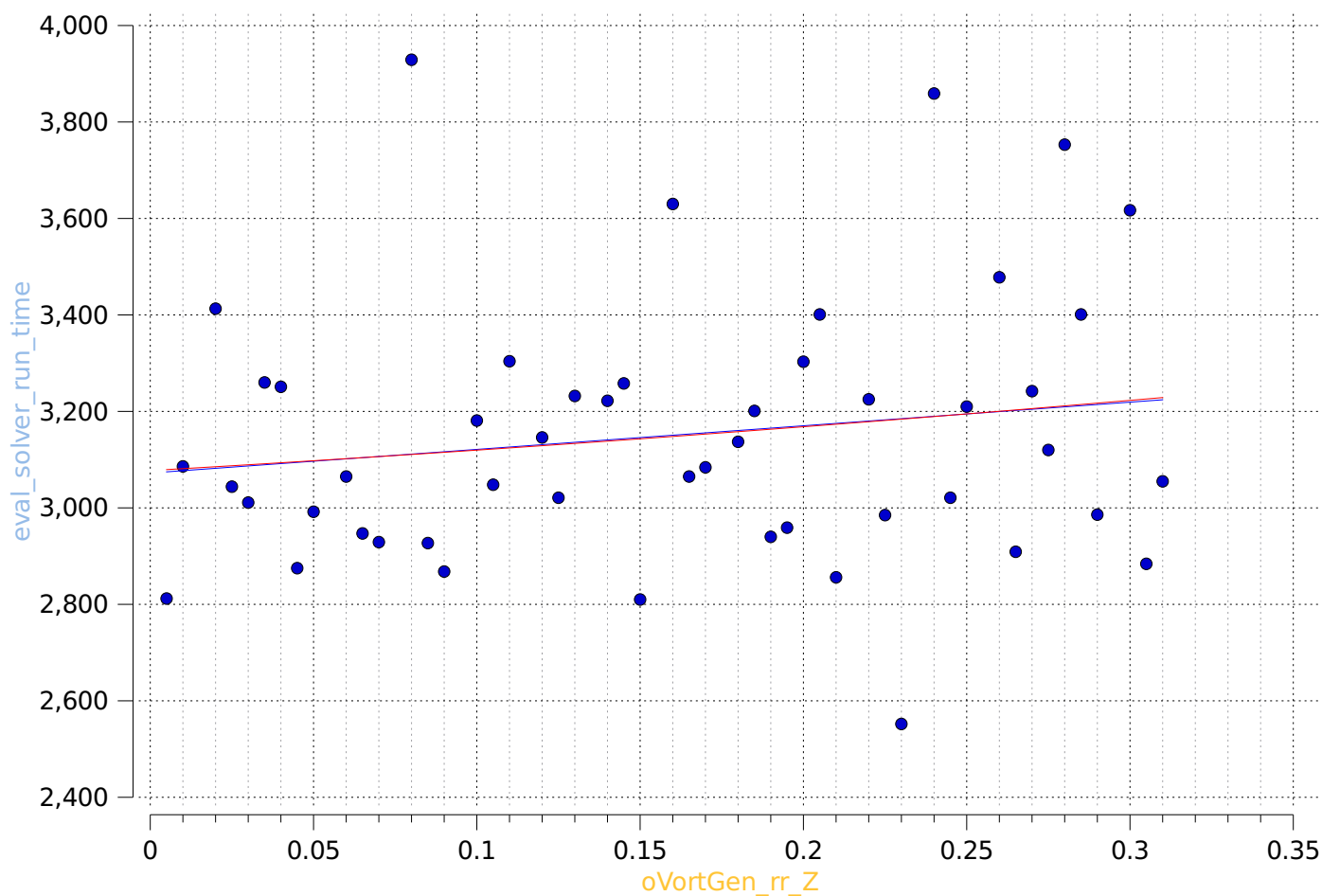
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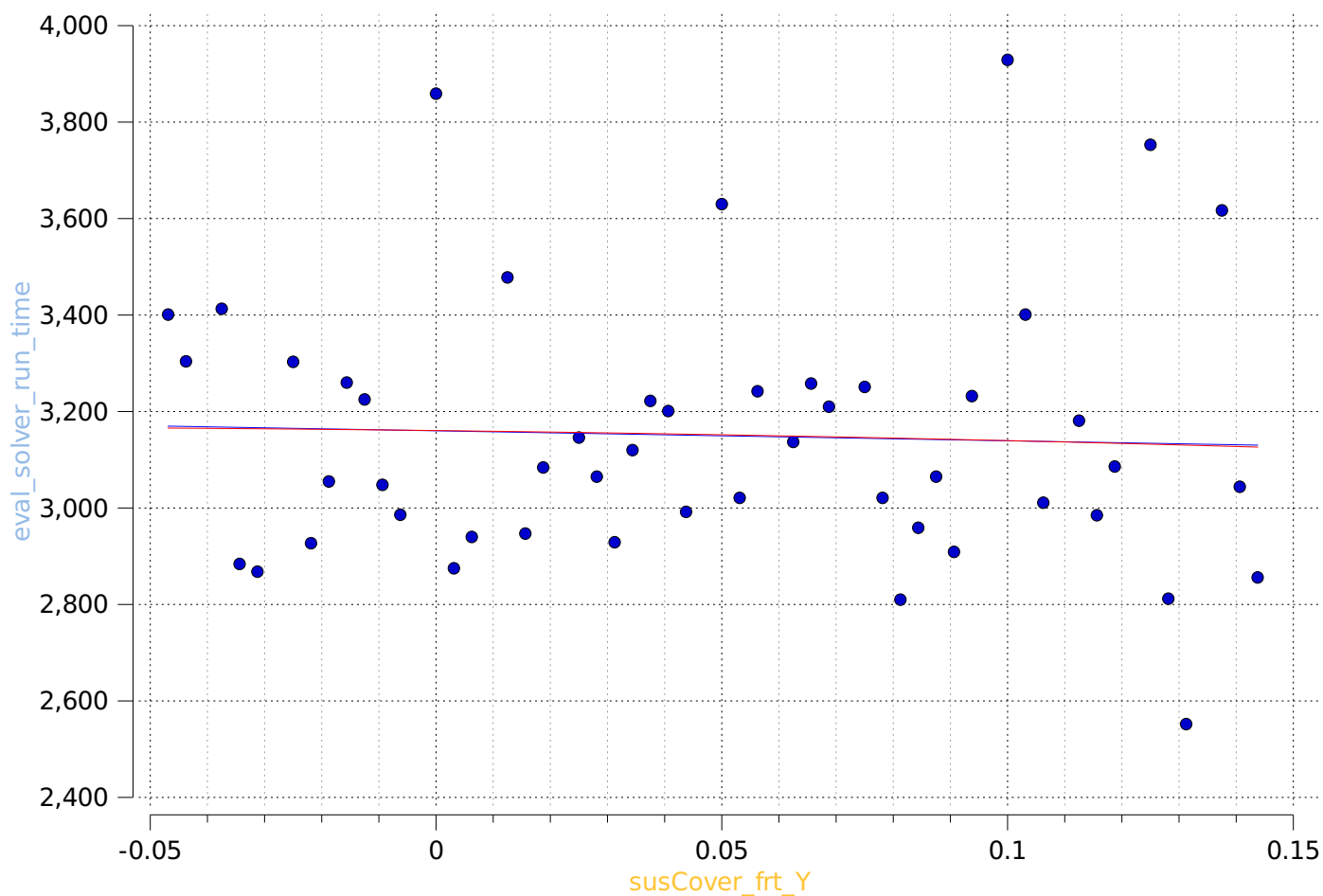
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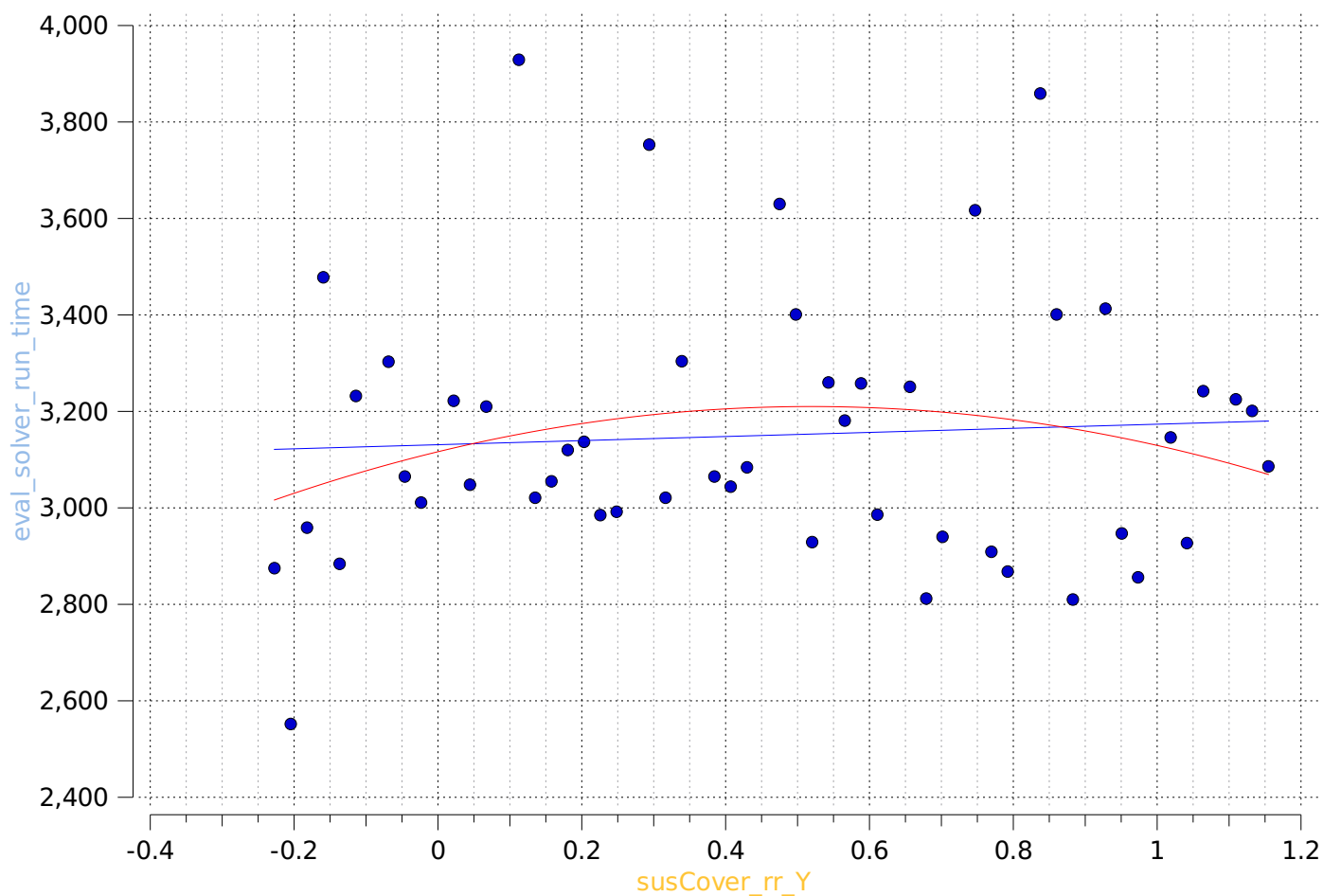
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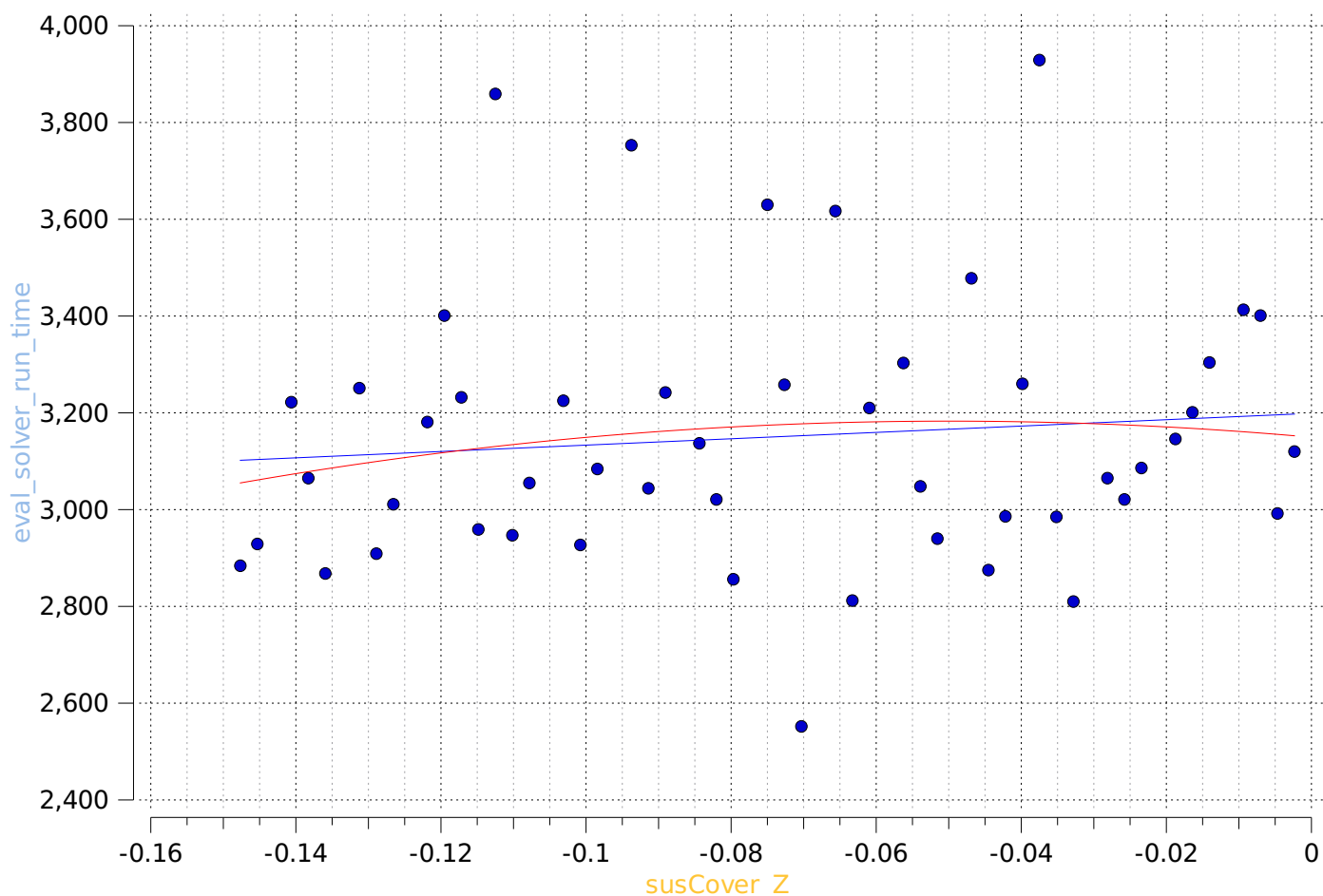
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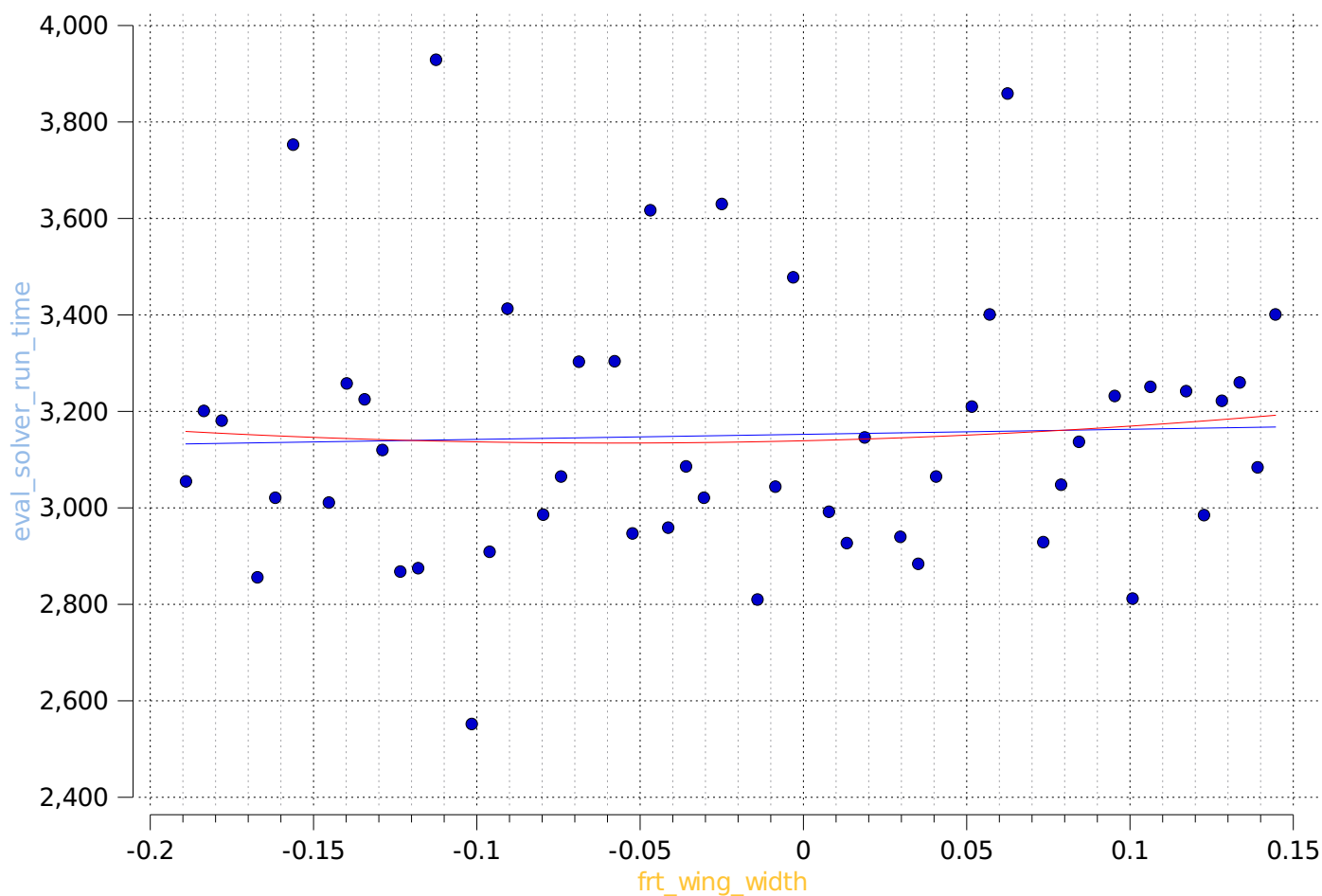
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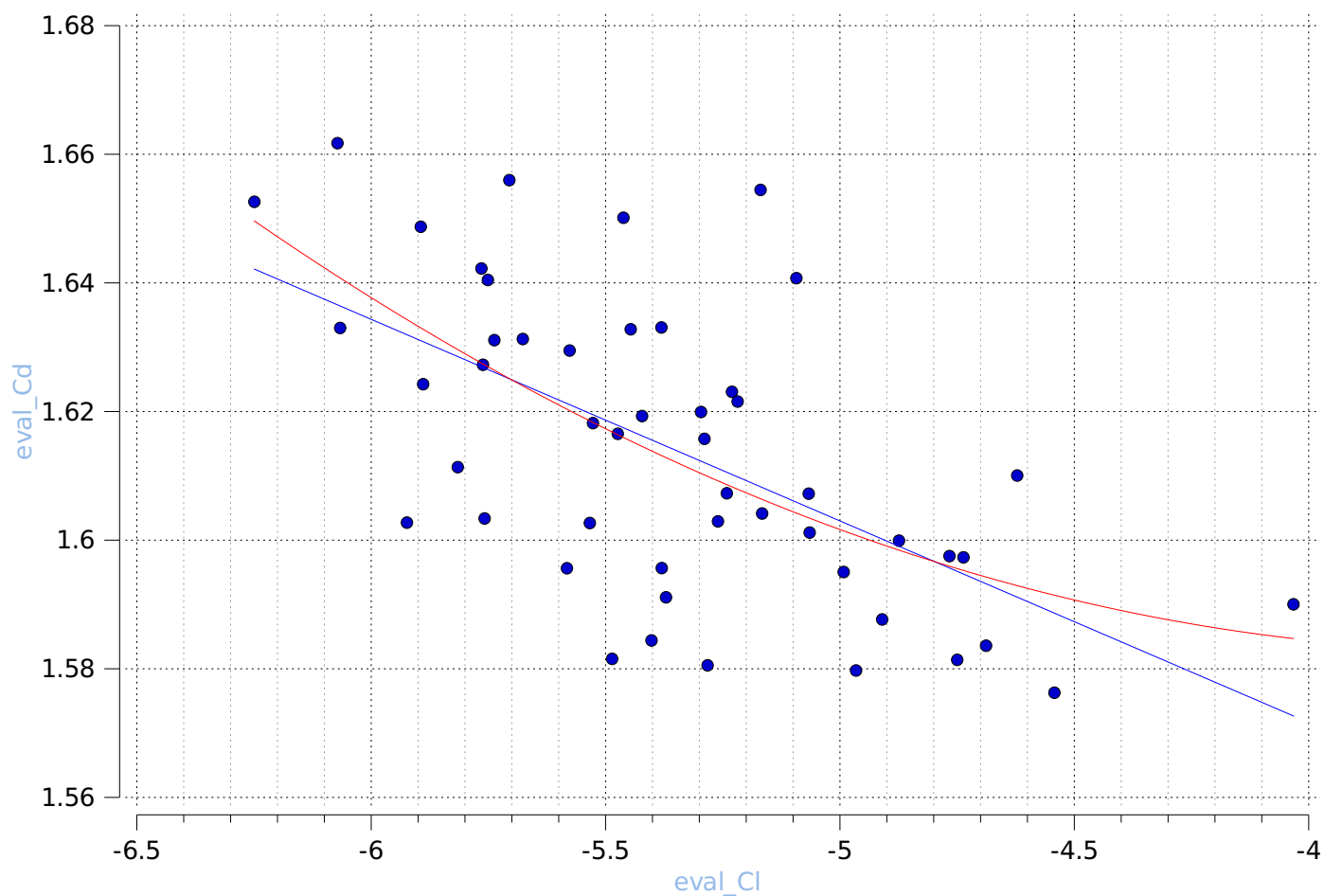


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Design Variable |DVs|frt_wing_width



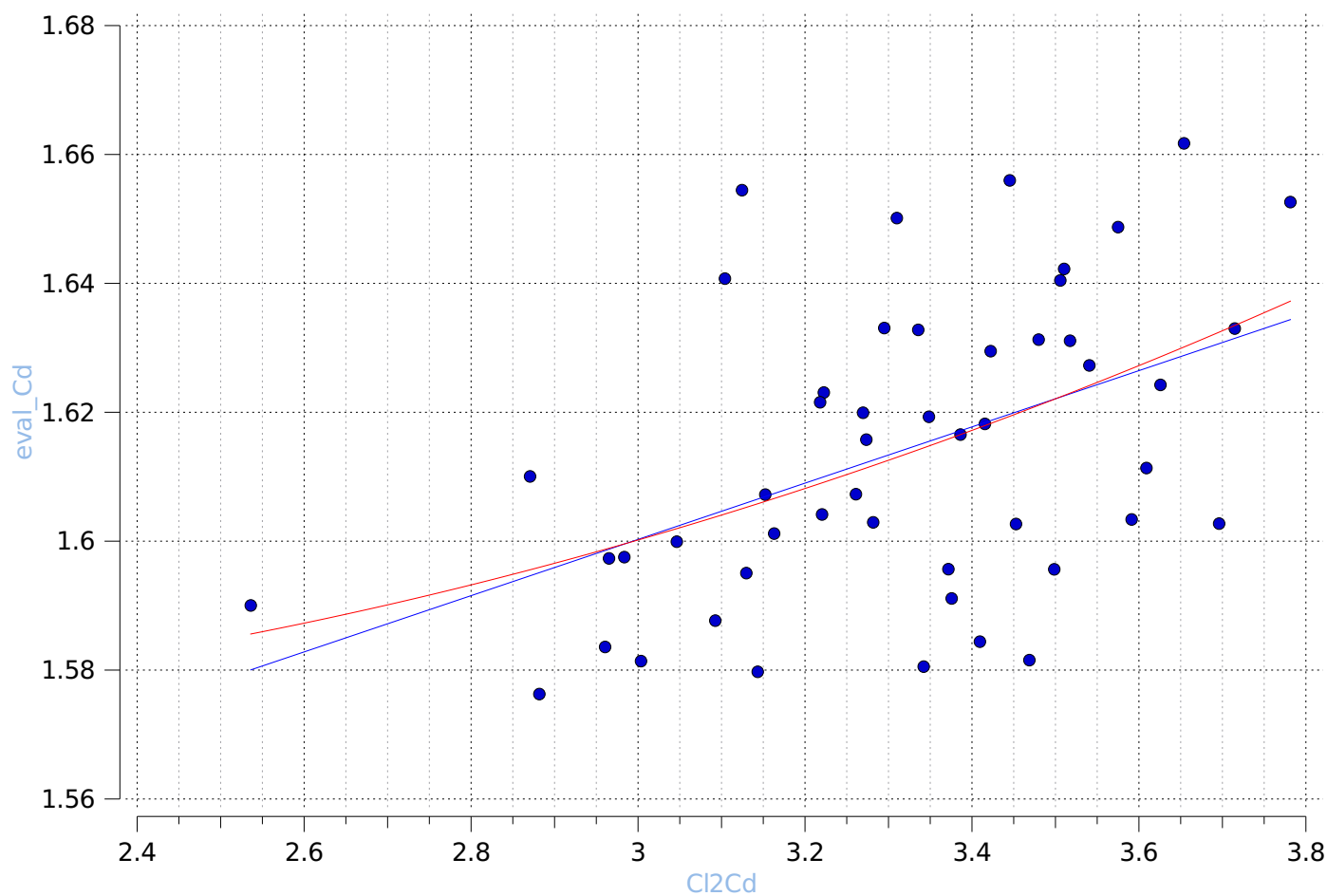
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|eval_Cd
|eval_Cl



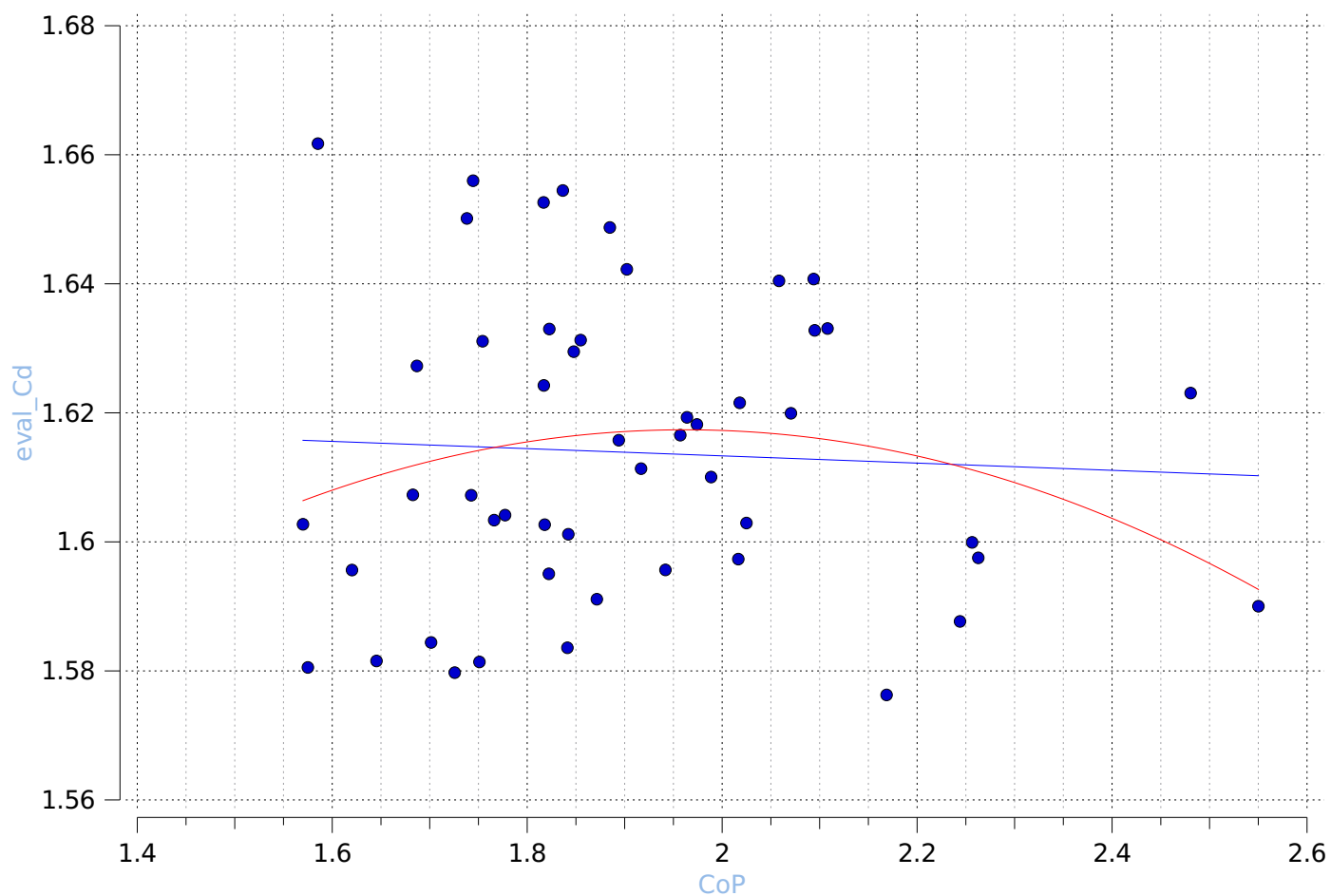
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|eval_Cd
|Cl2Cd



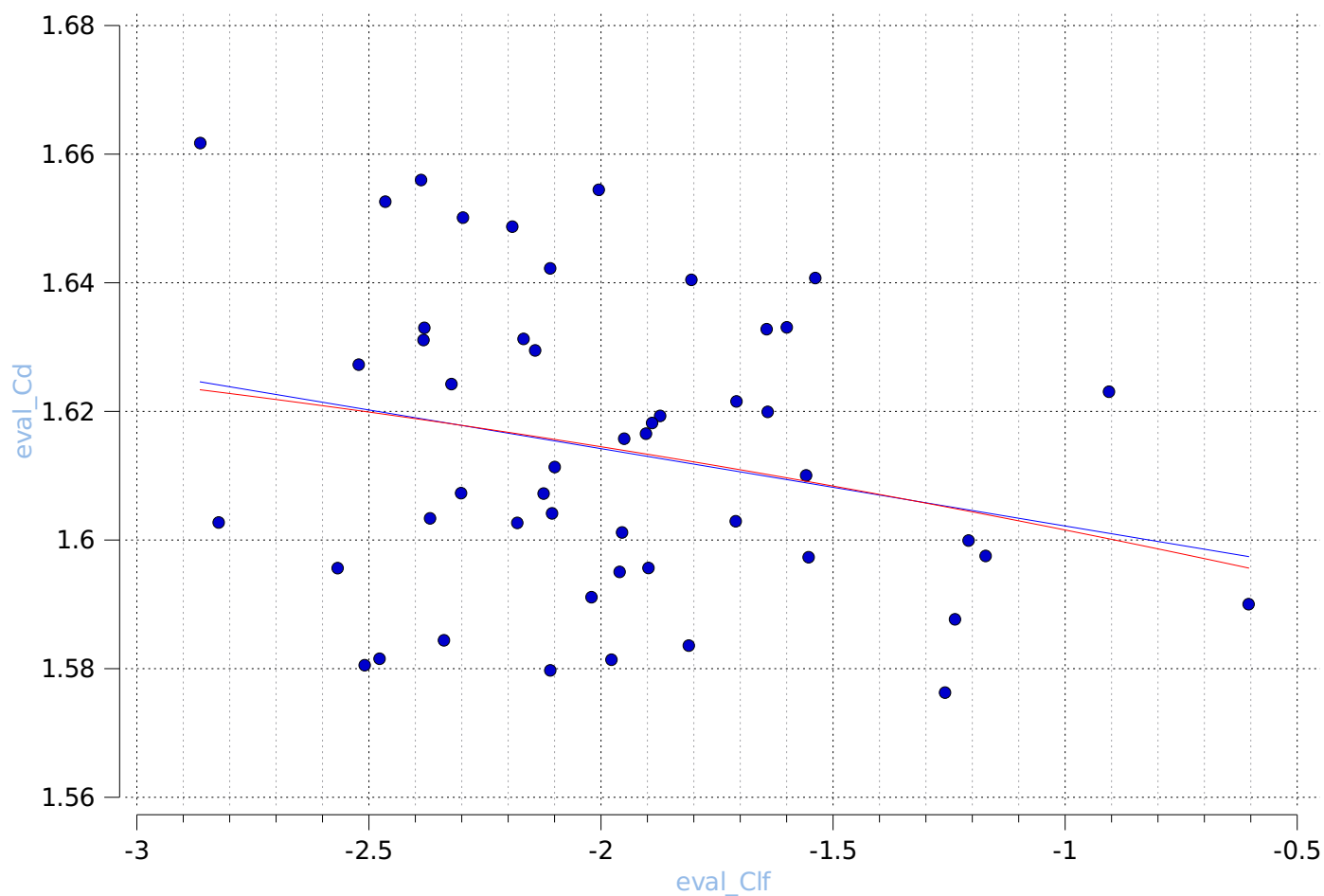
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|CoP



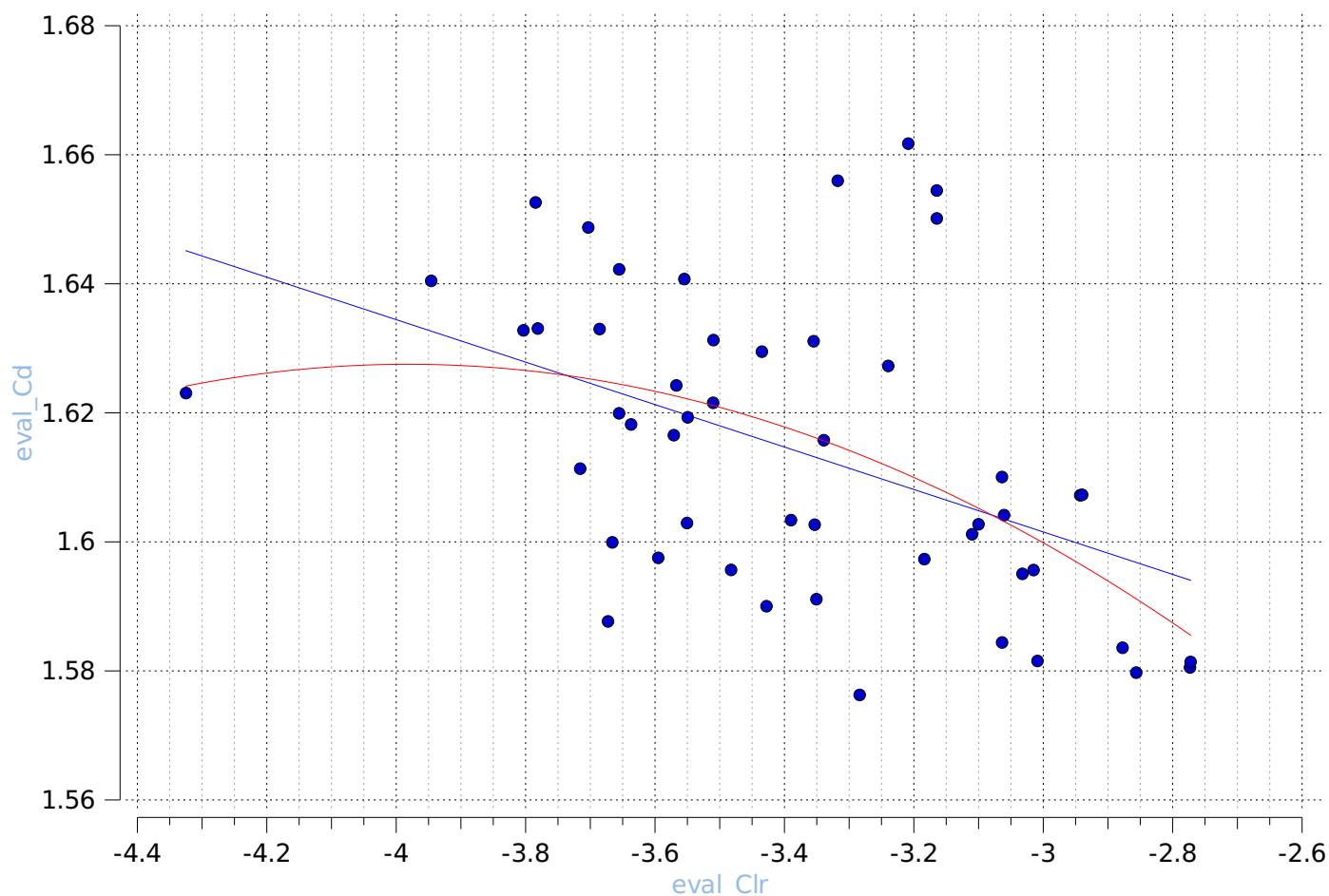
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|eval_Cd
|eval_Clf



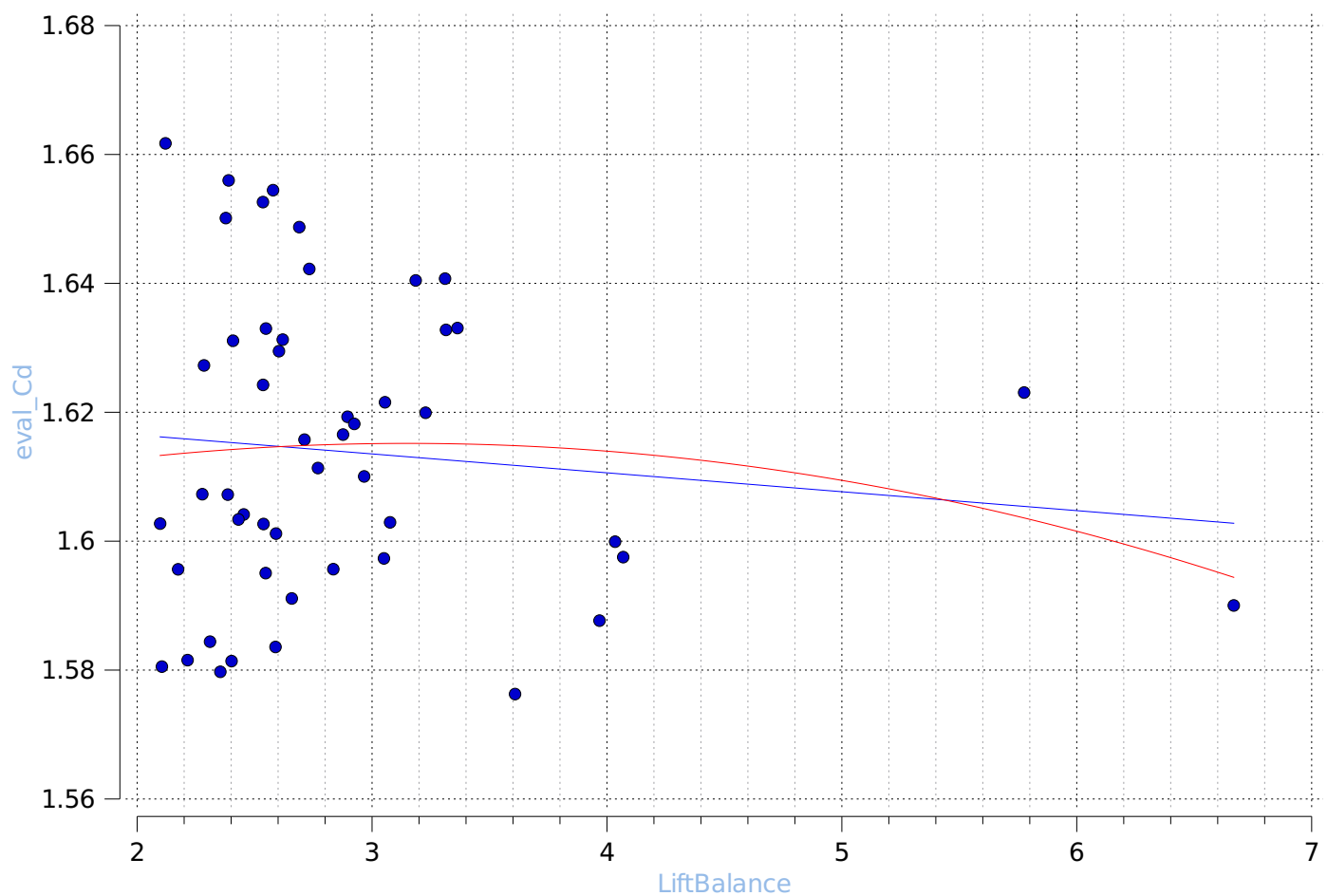
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|eval_Cd
|eval_Clr

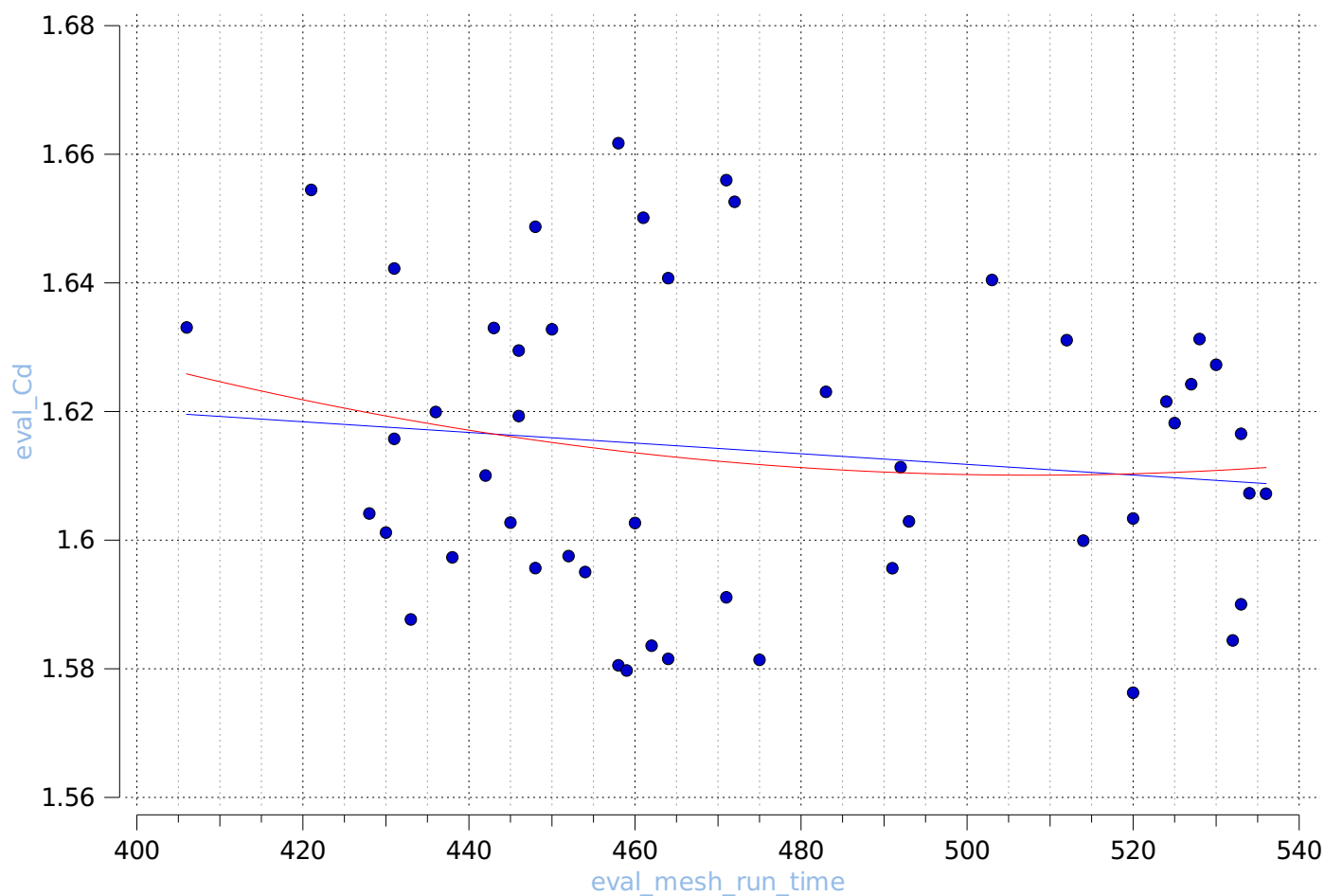


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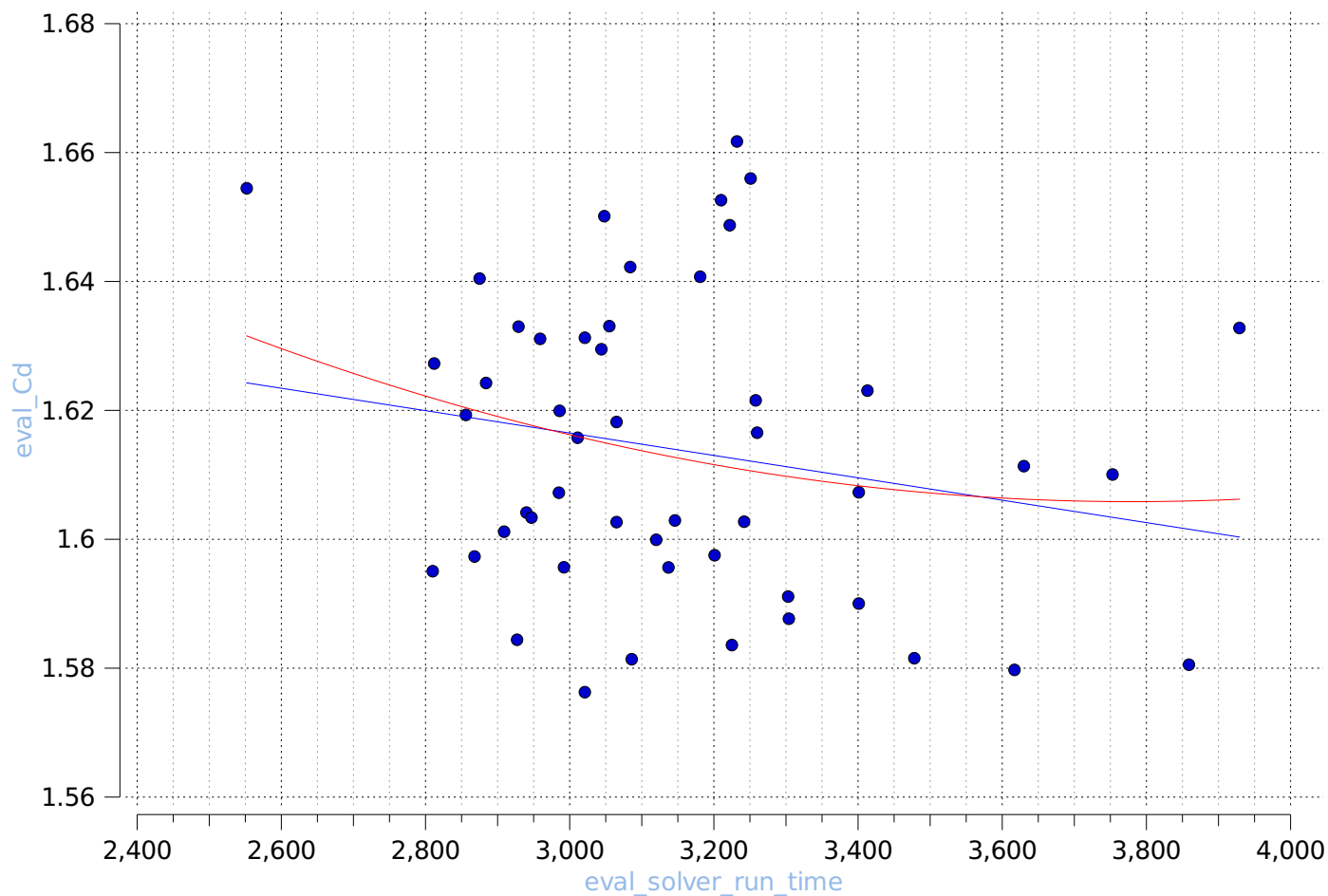
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|LiftBalance



Parameter |eval_Cd
Parameter |eval_mesh_run_time

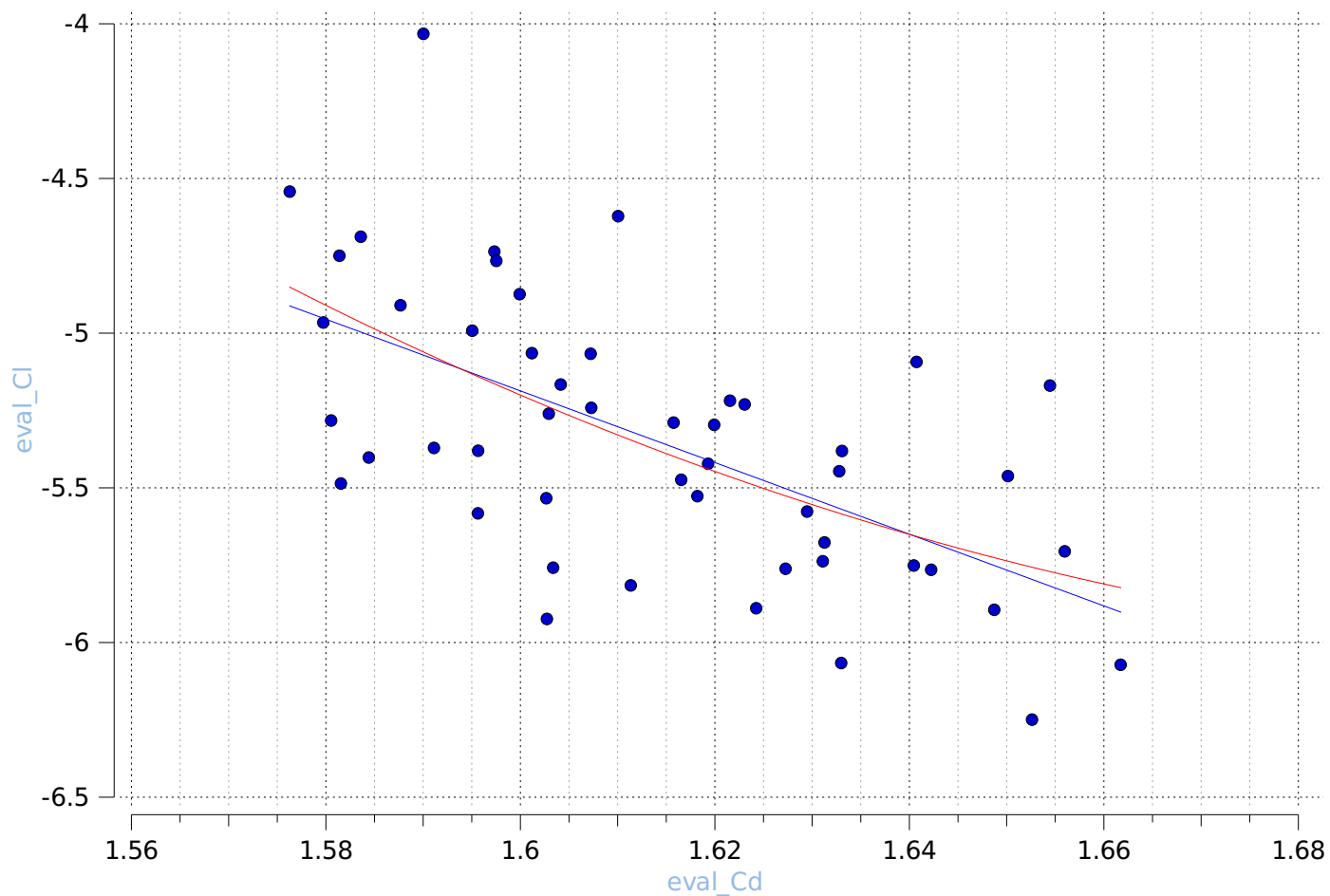


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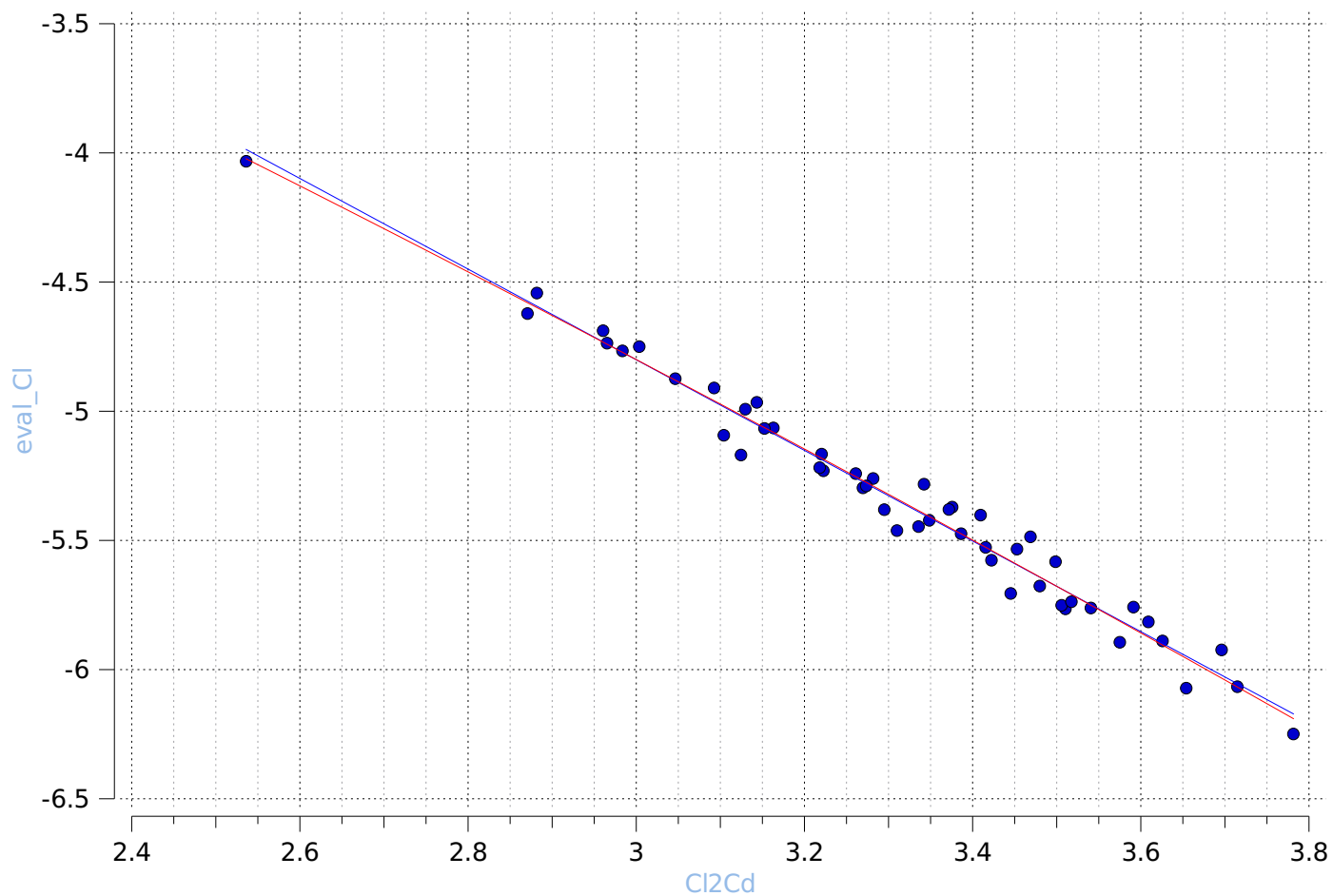
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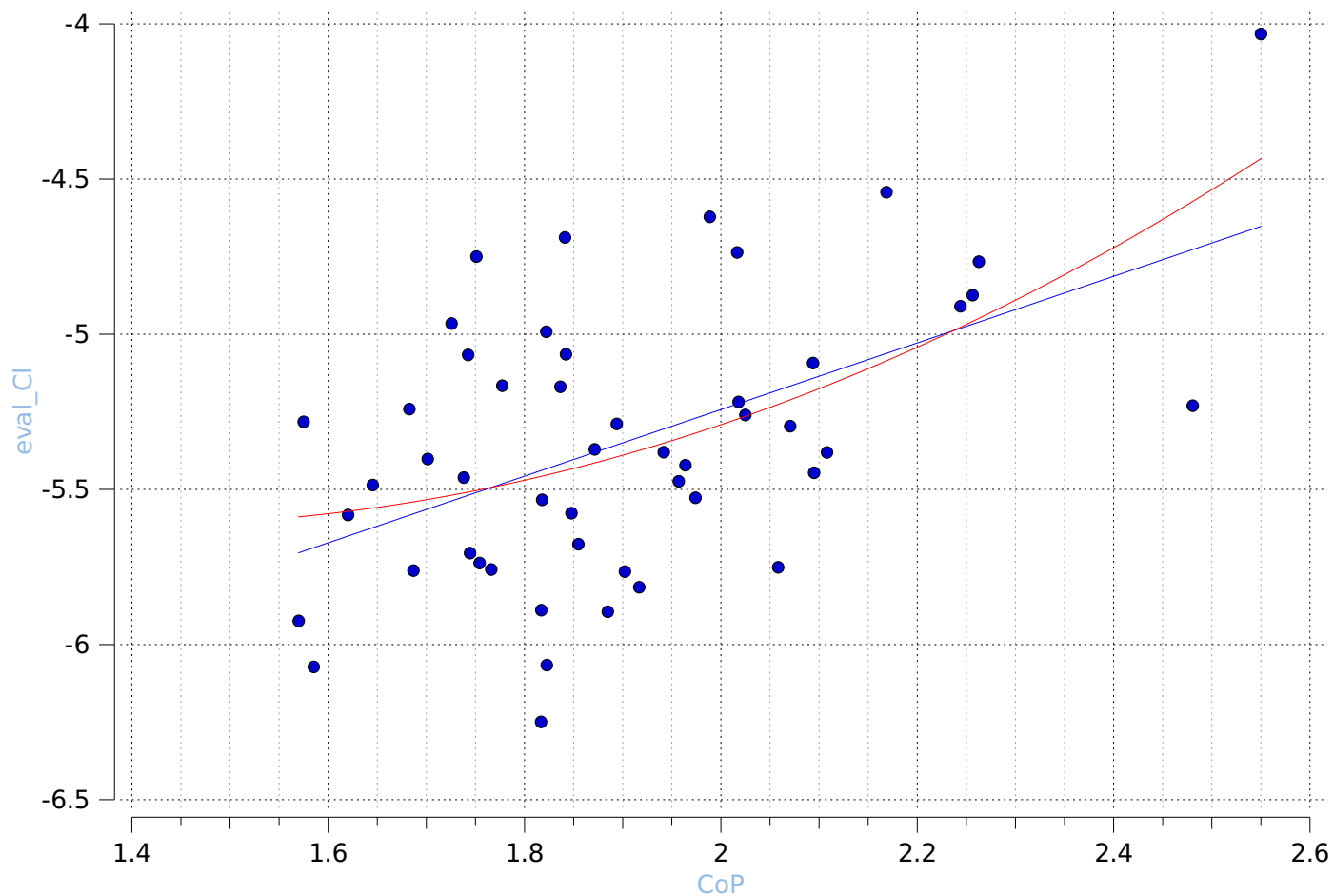
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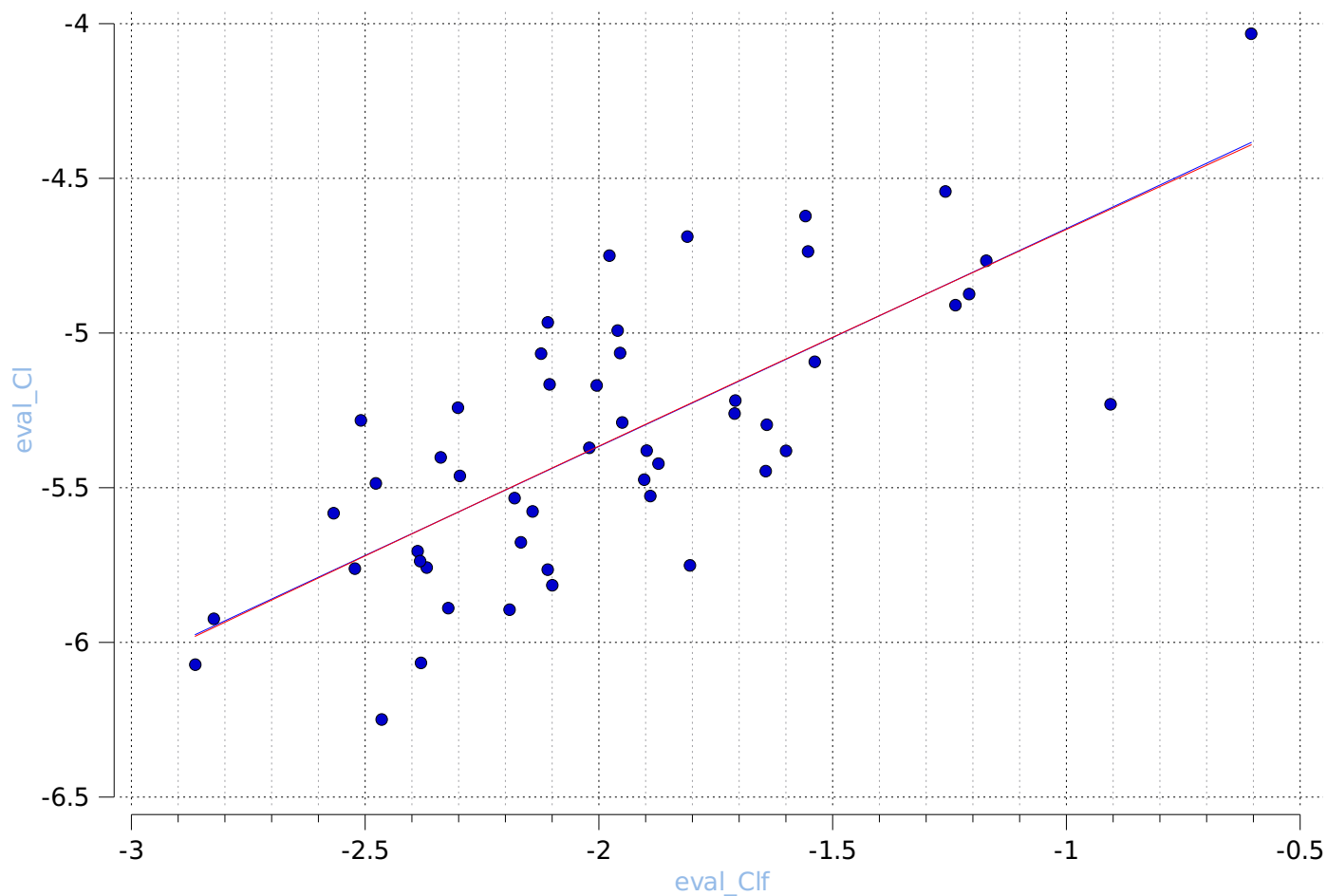
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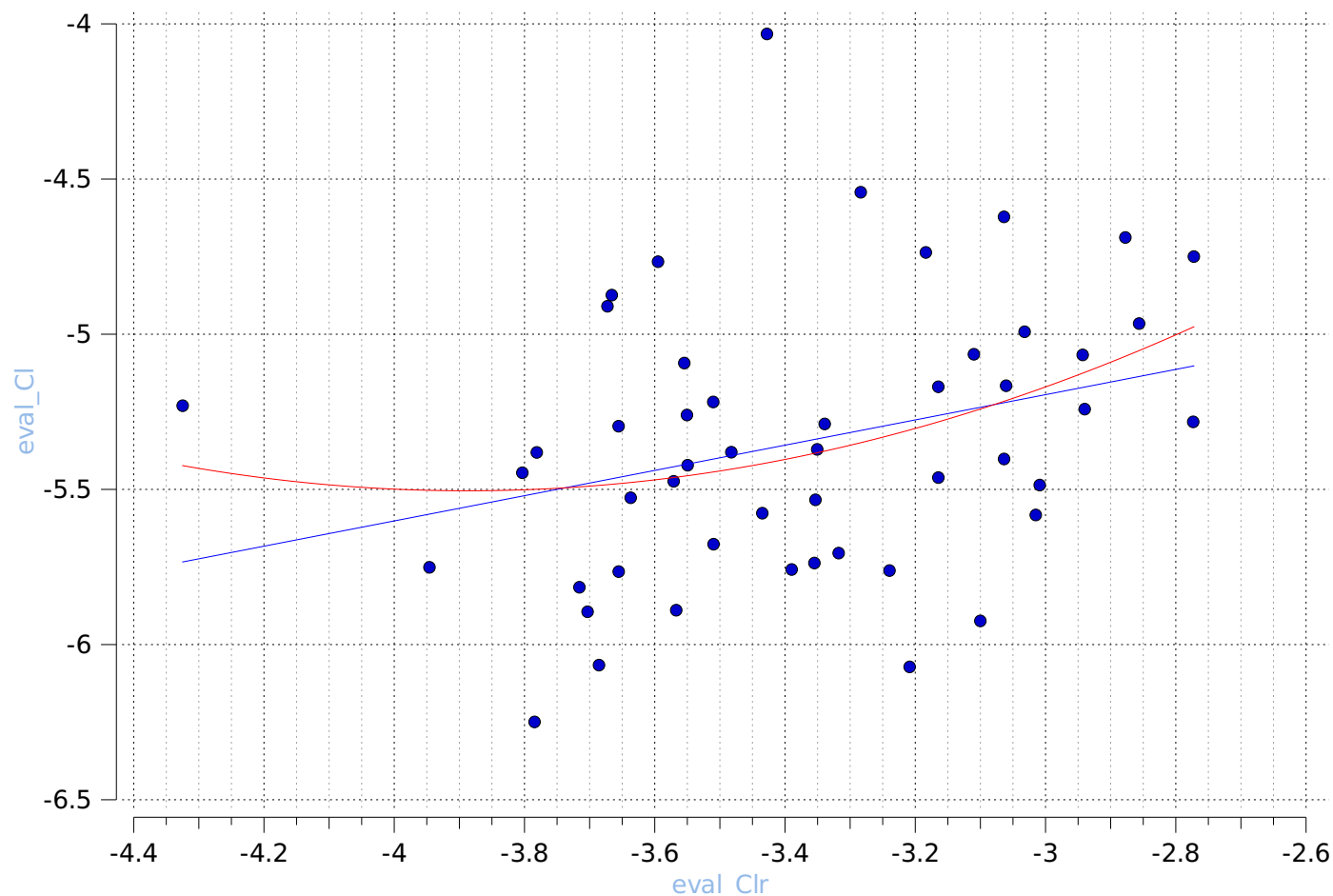


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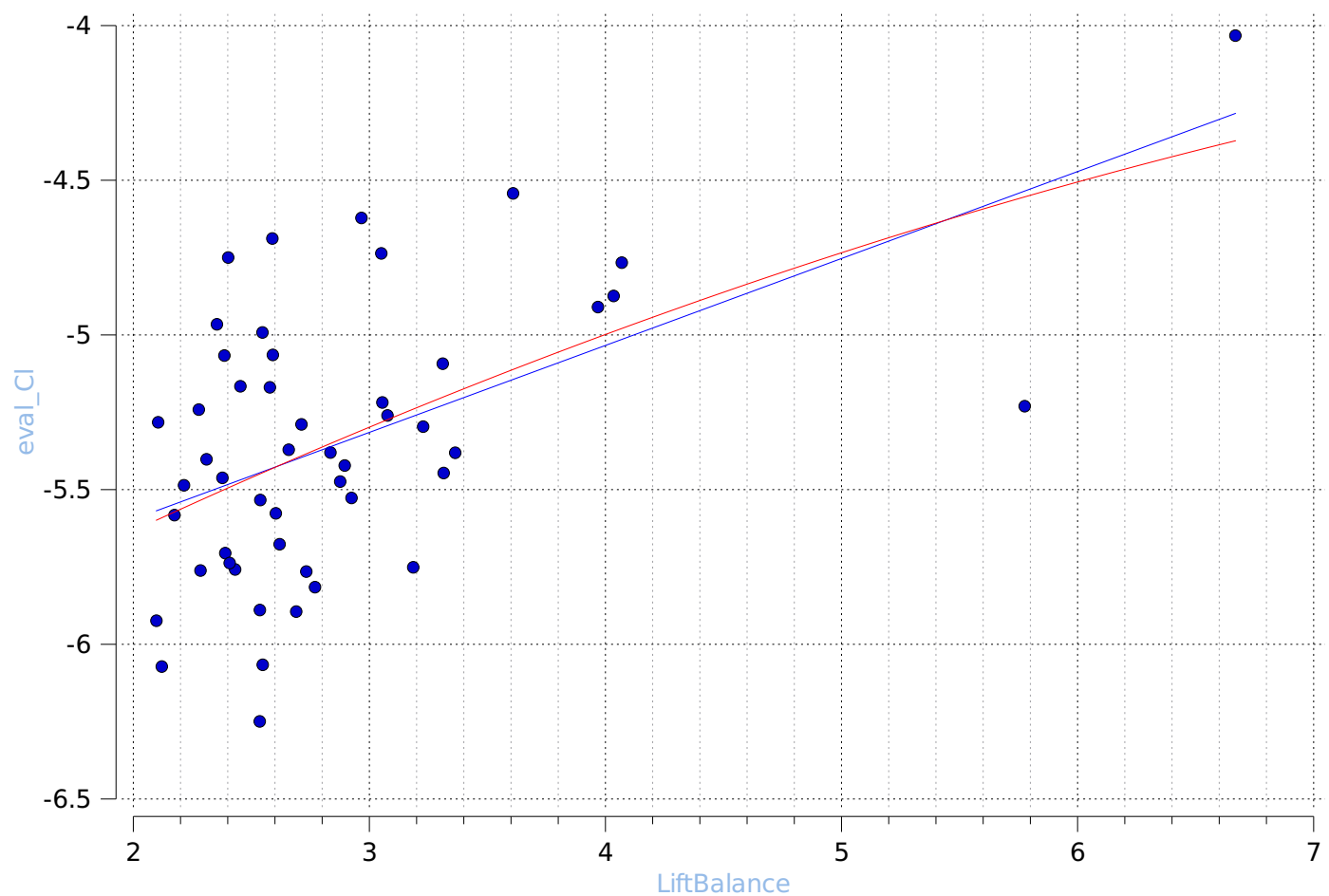
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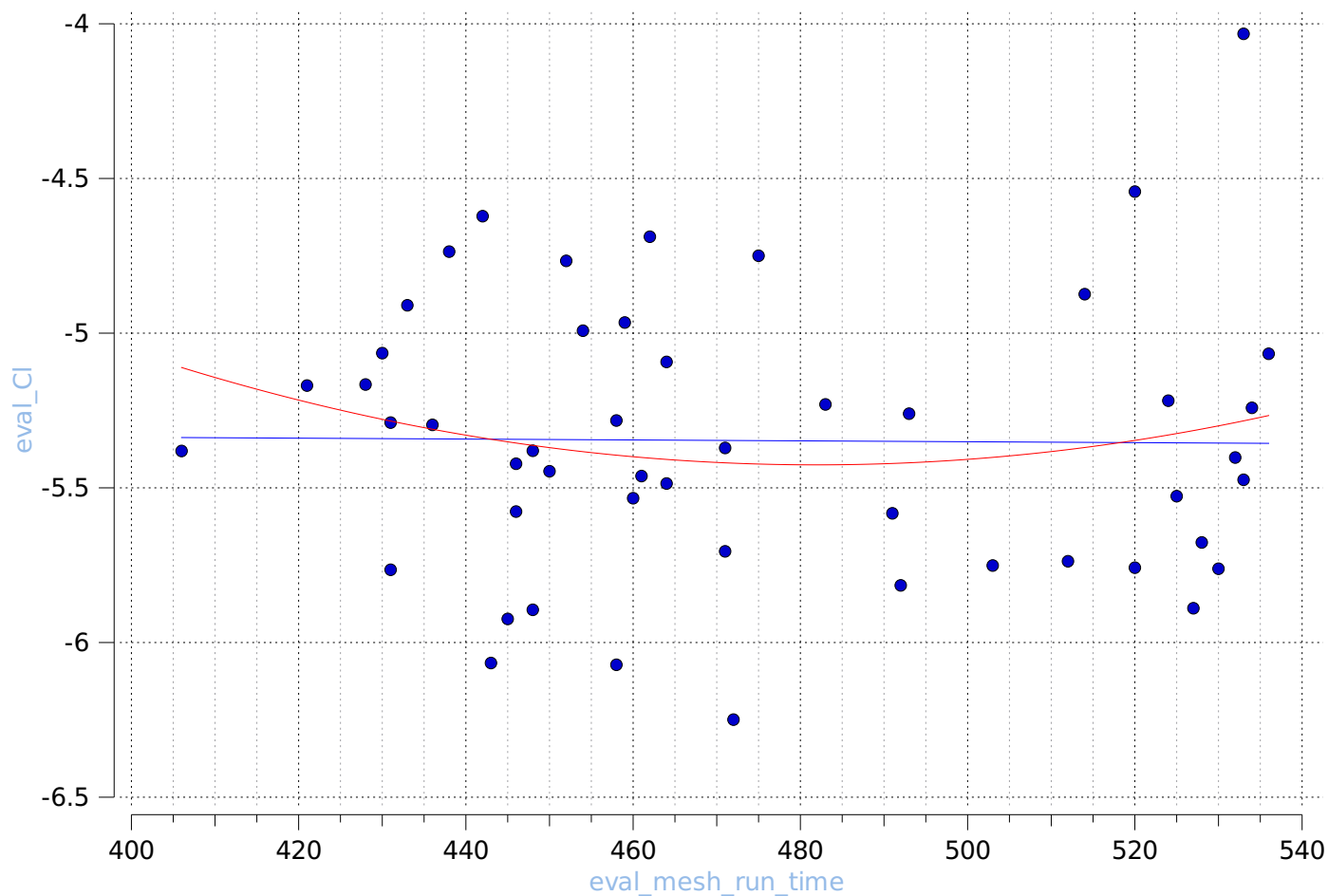
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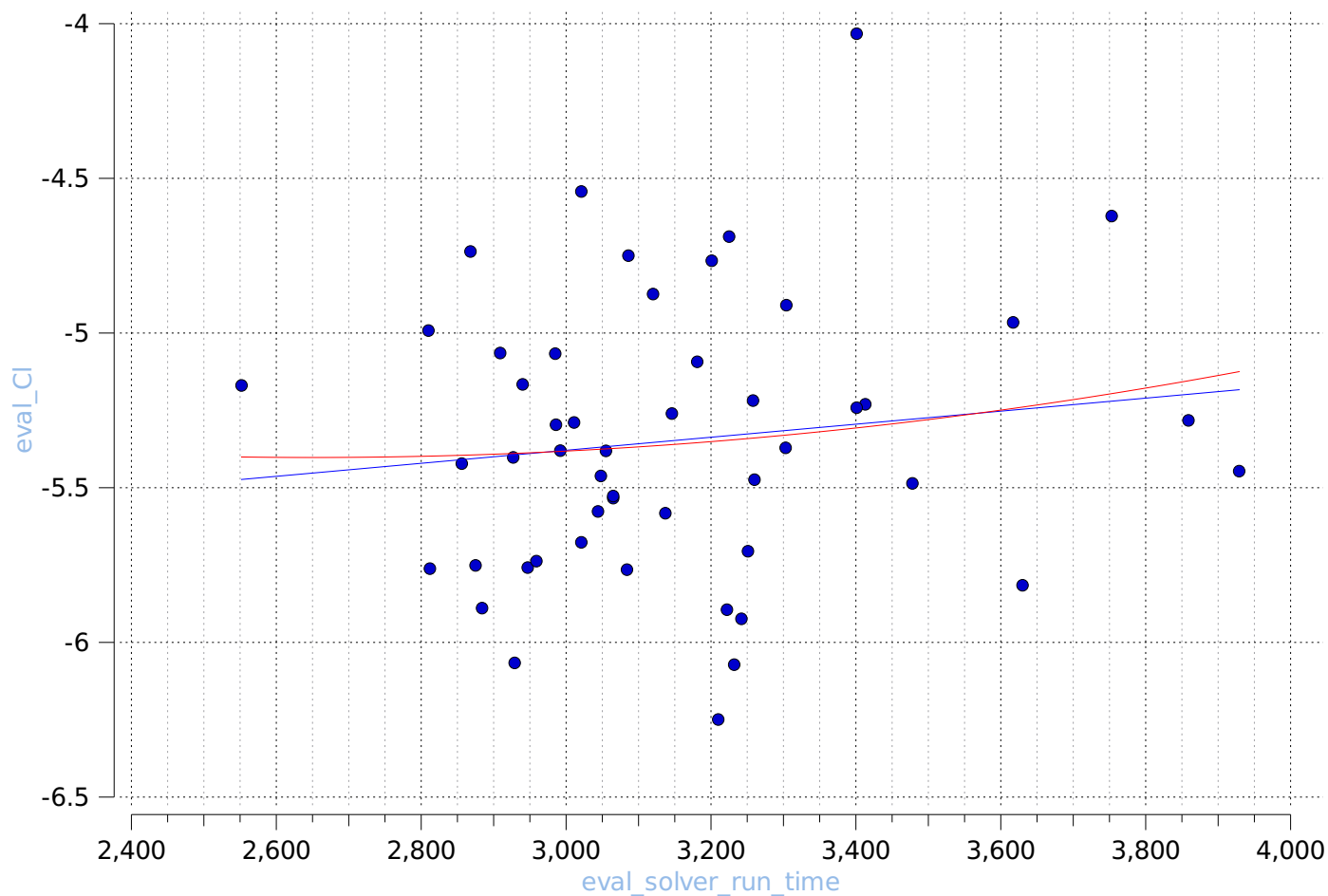
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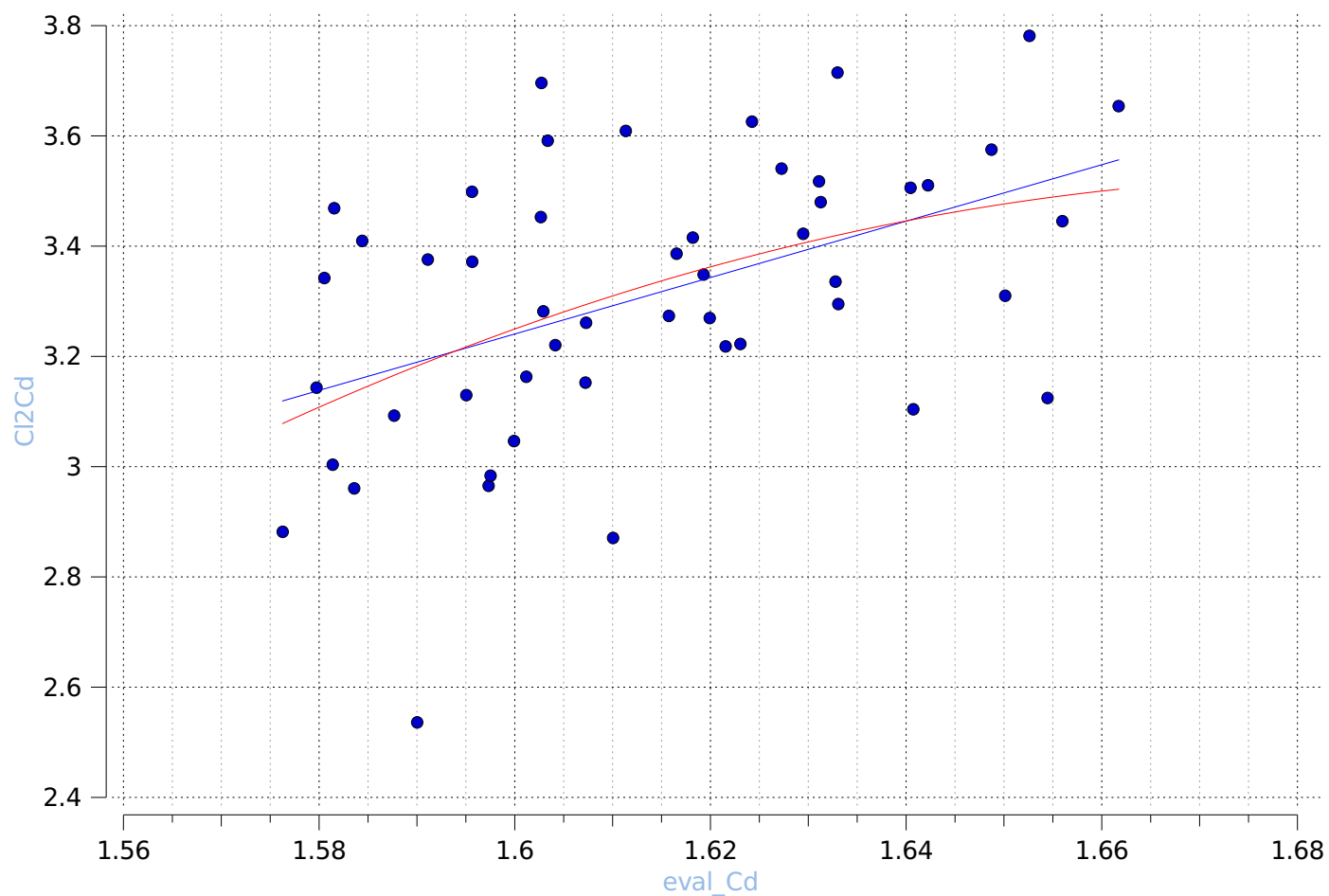
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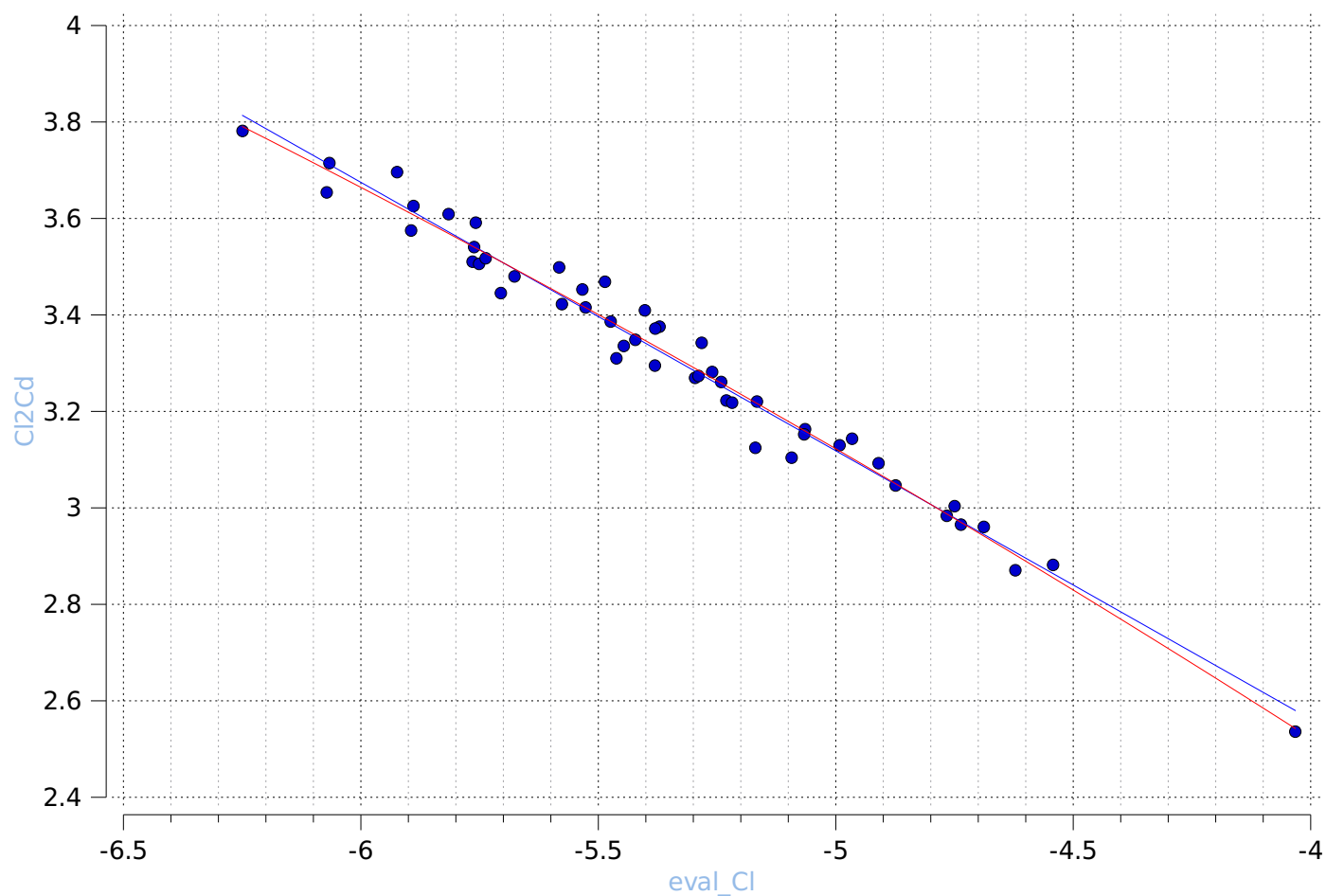
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Parameter | Cl2Cd
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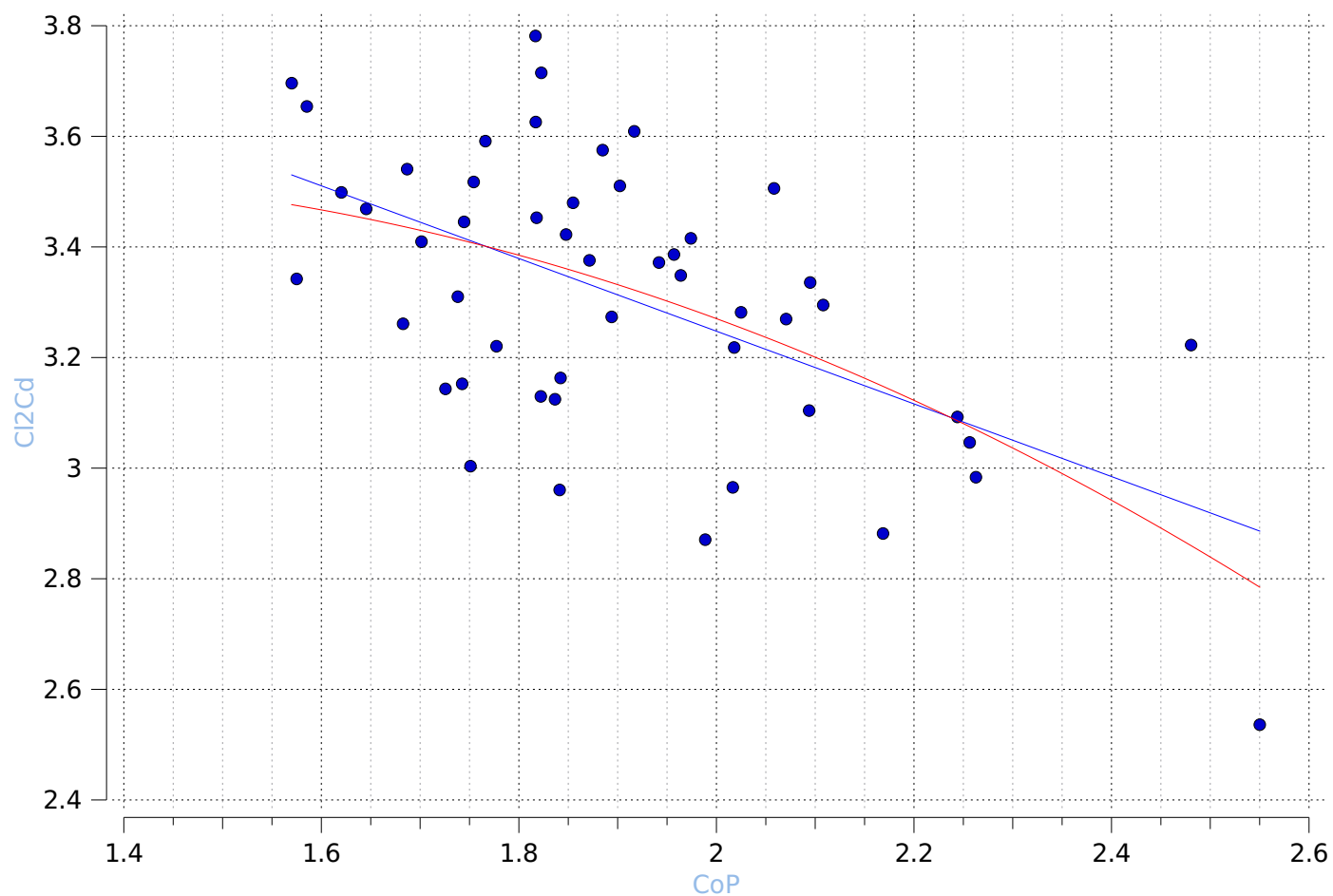


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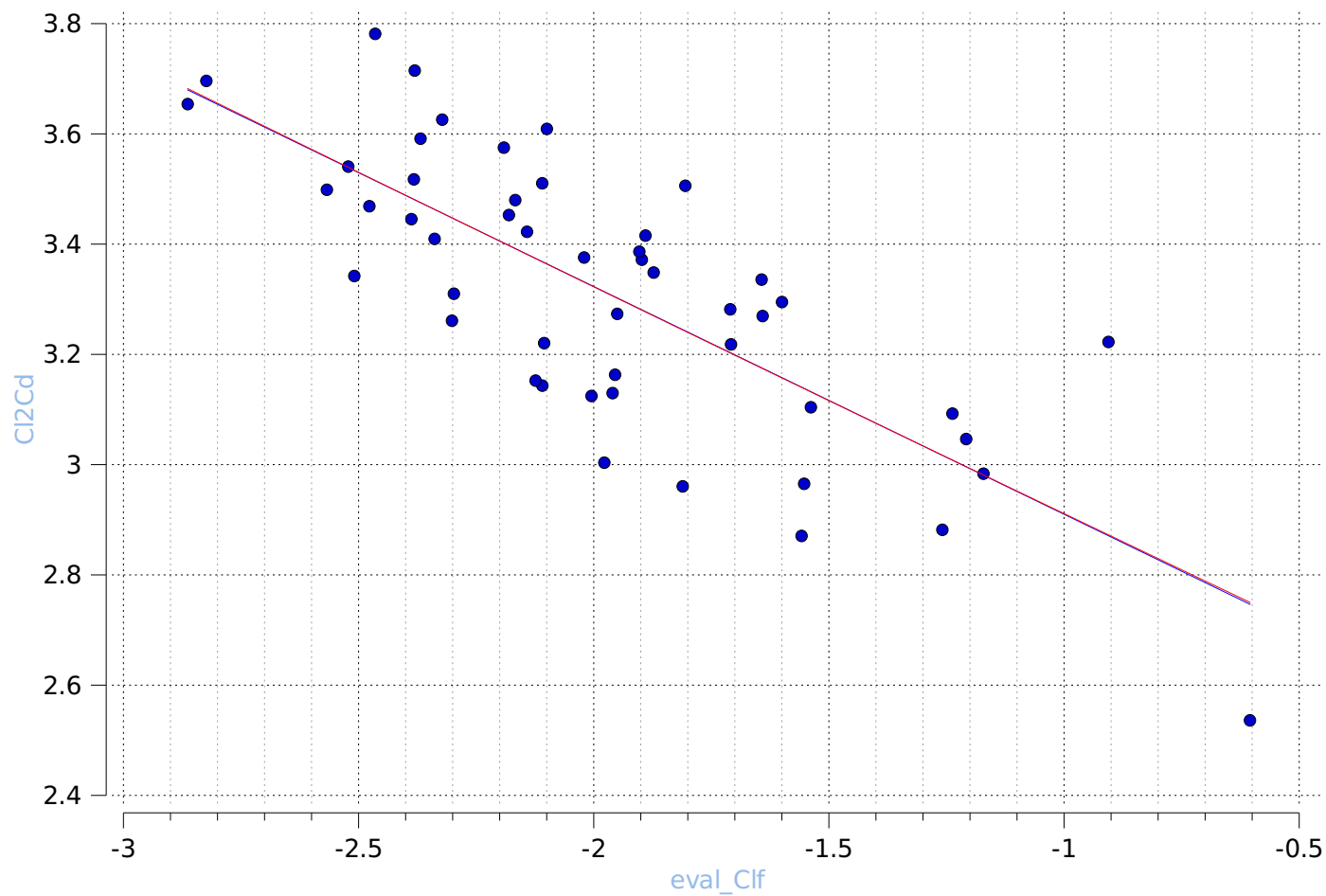
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|Cl2Cd
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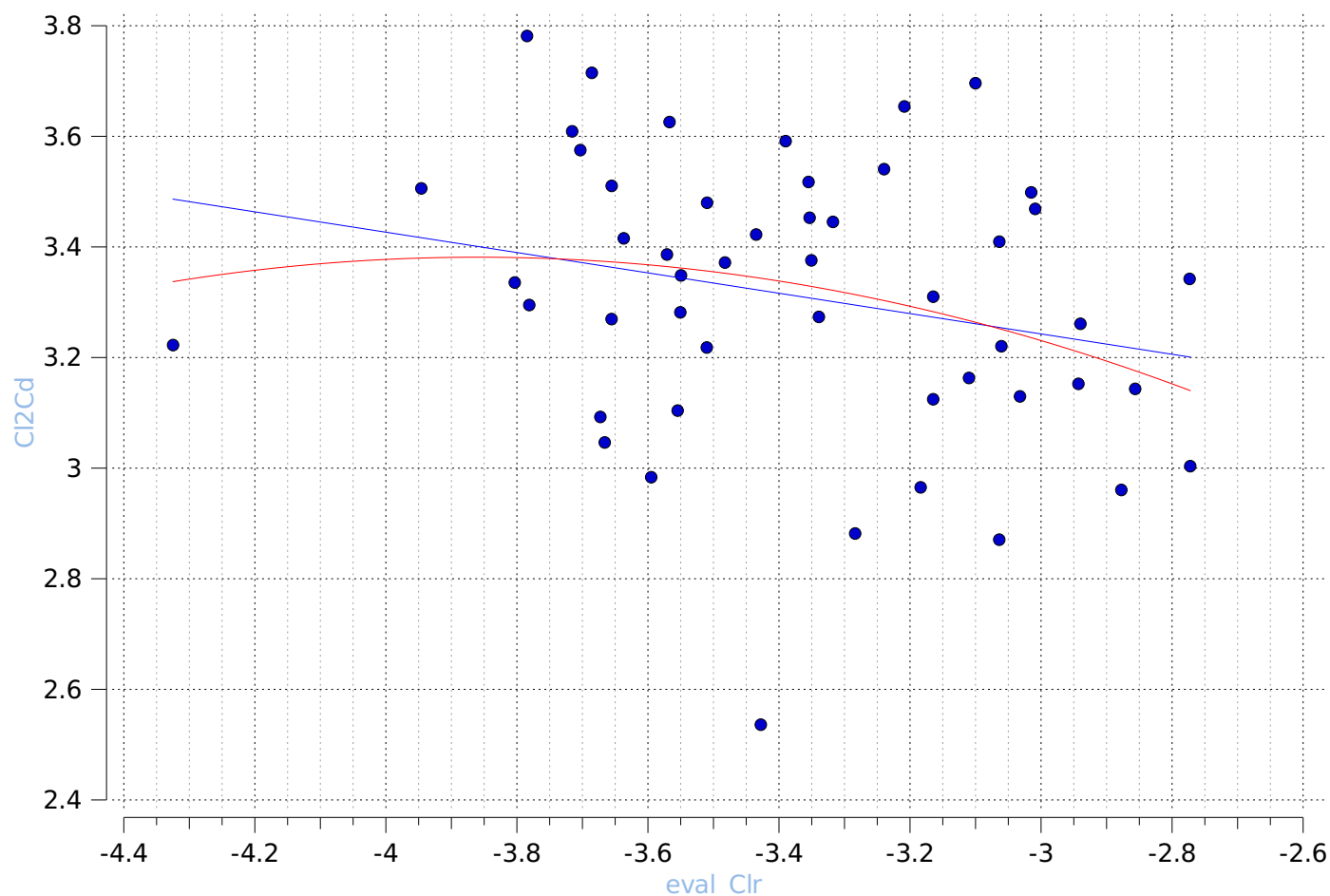


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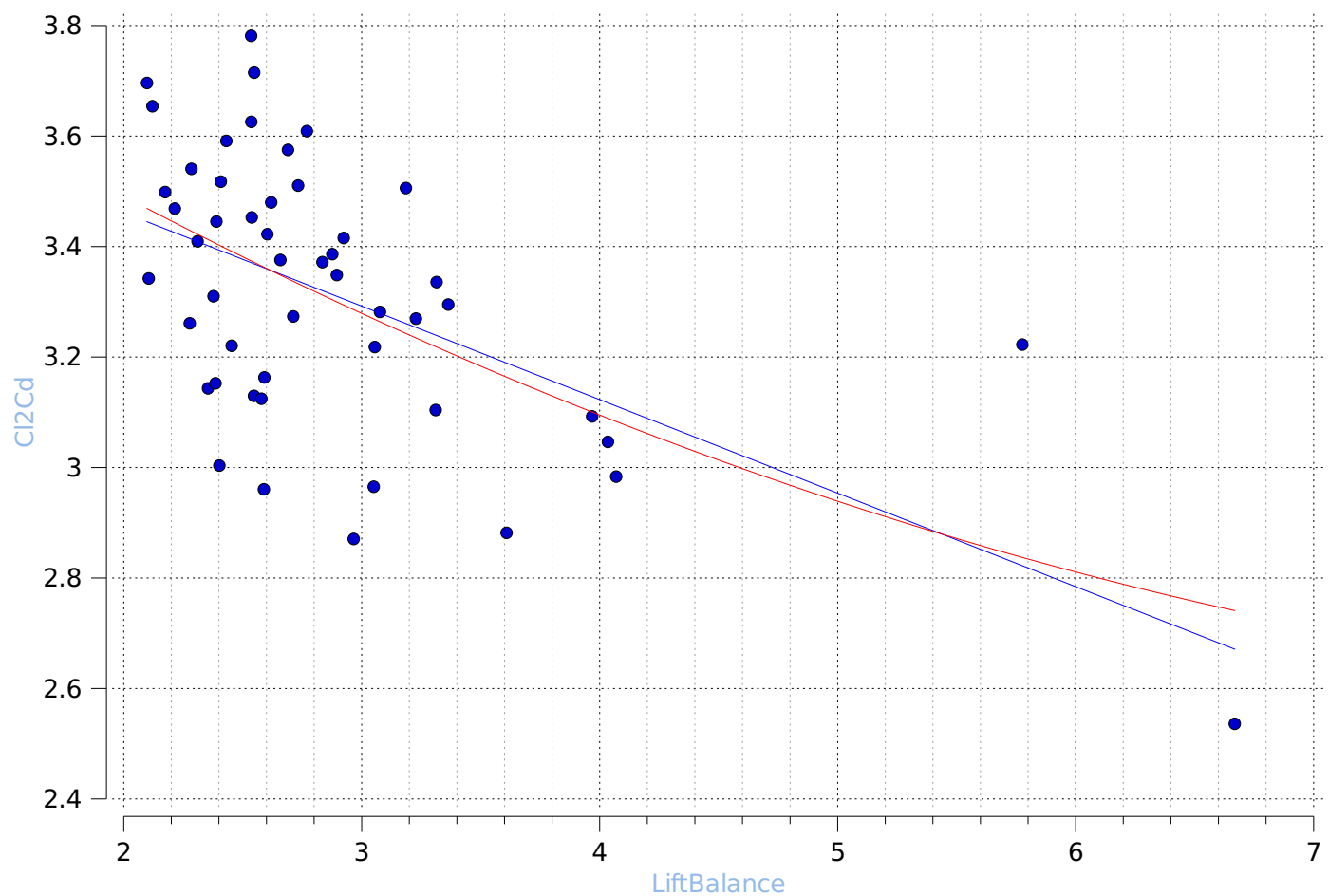
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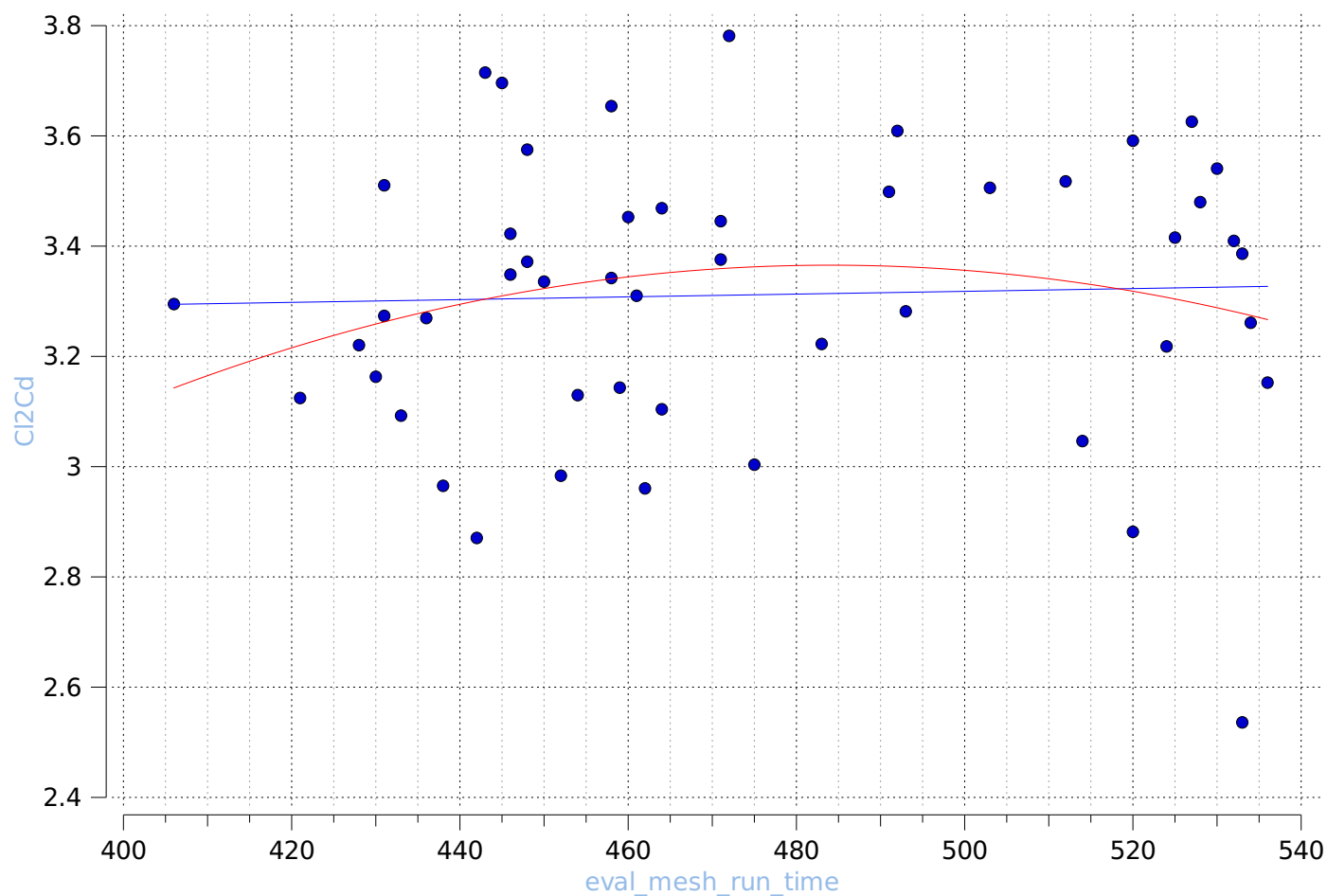
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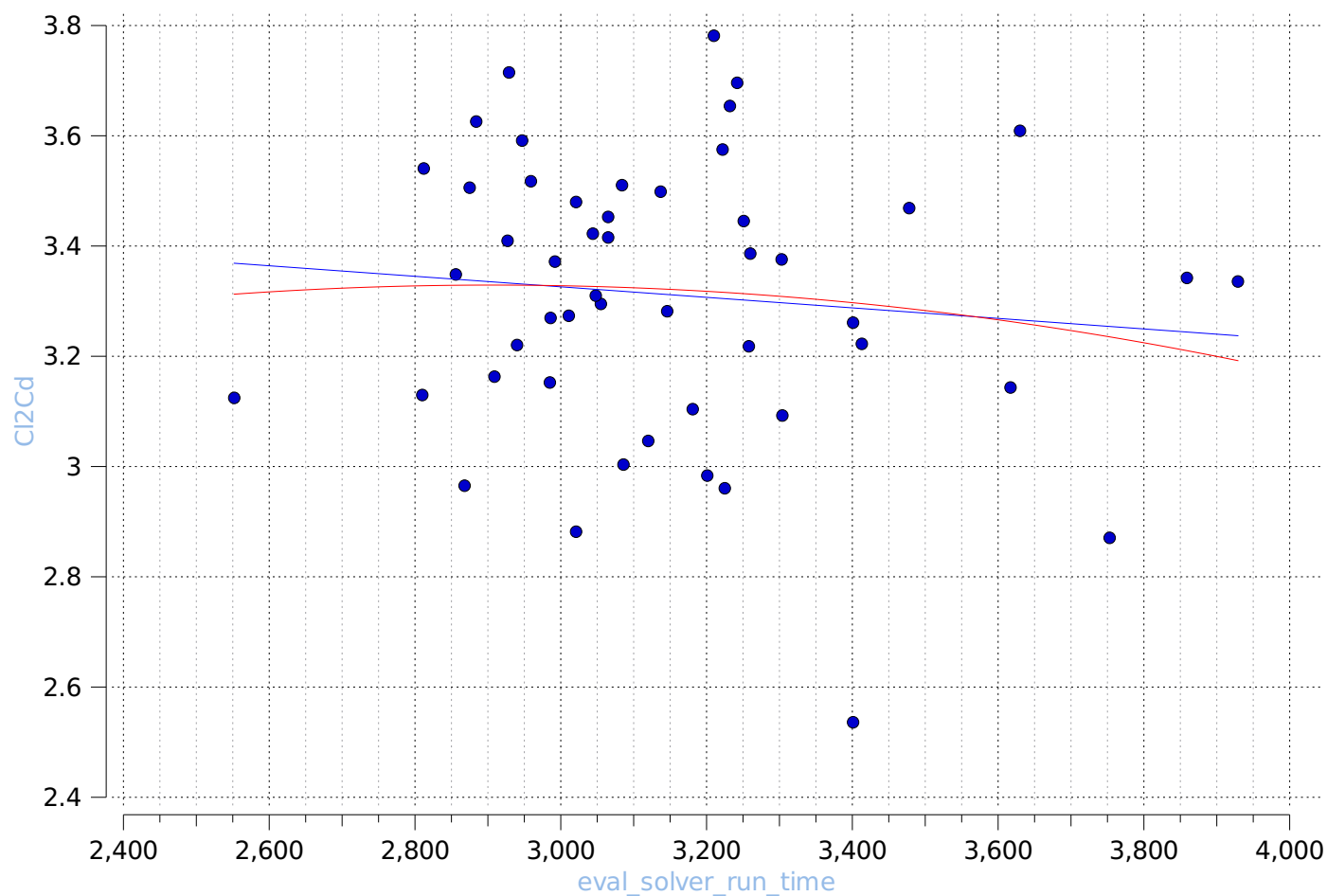
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Parameter | Cl2Cd
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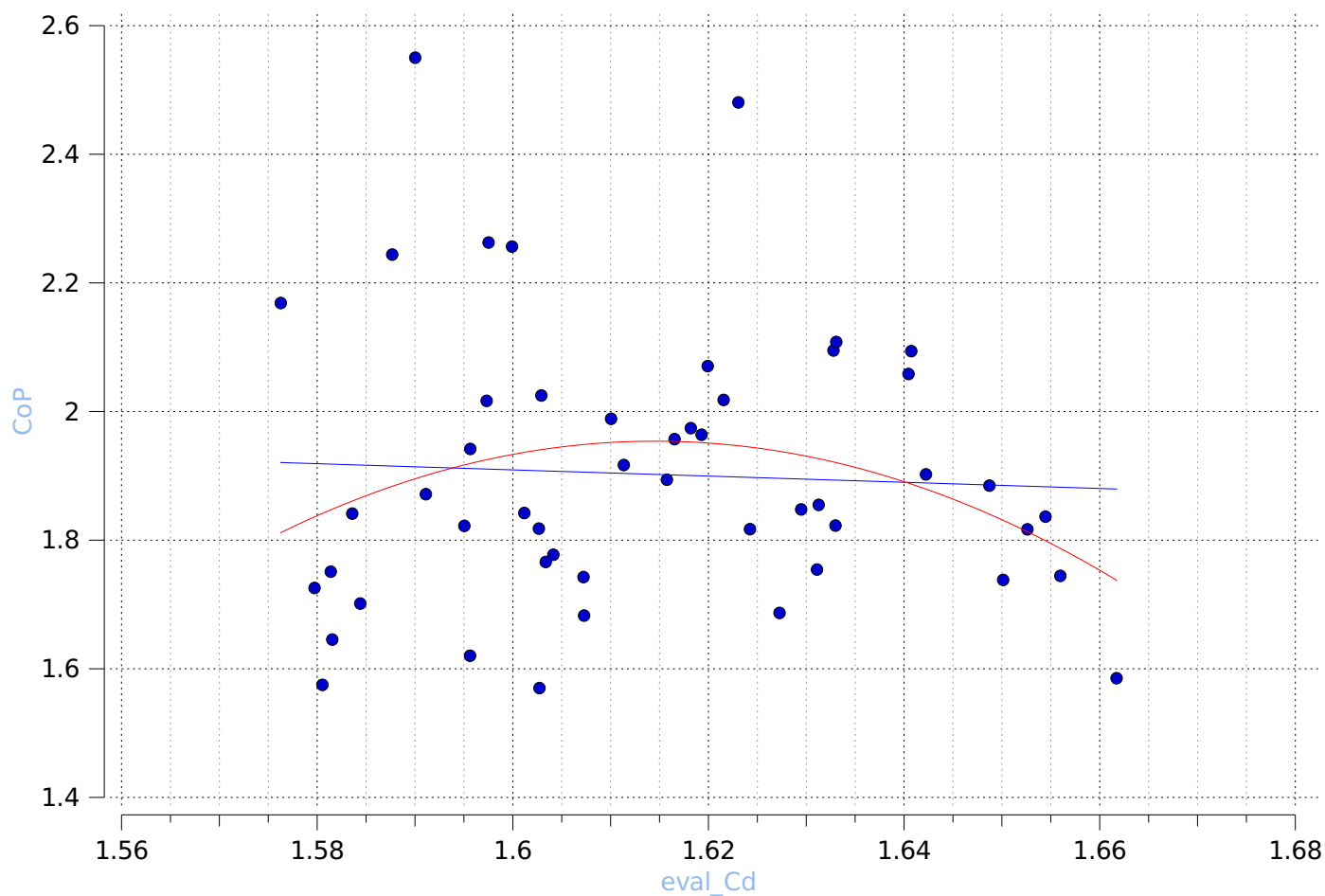


Parameter | Cl2Cd
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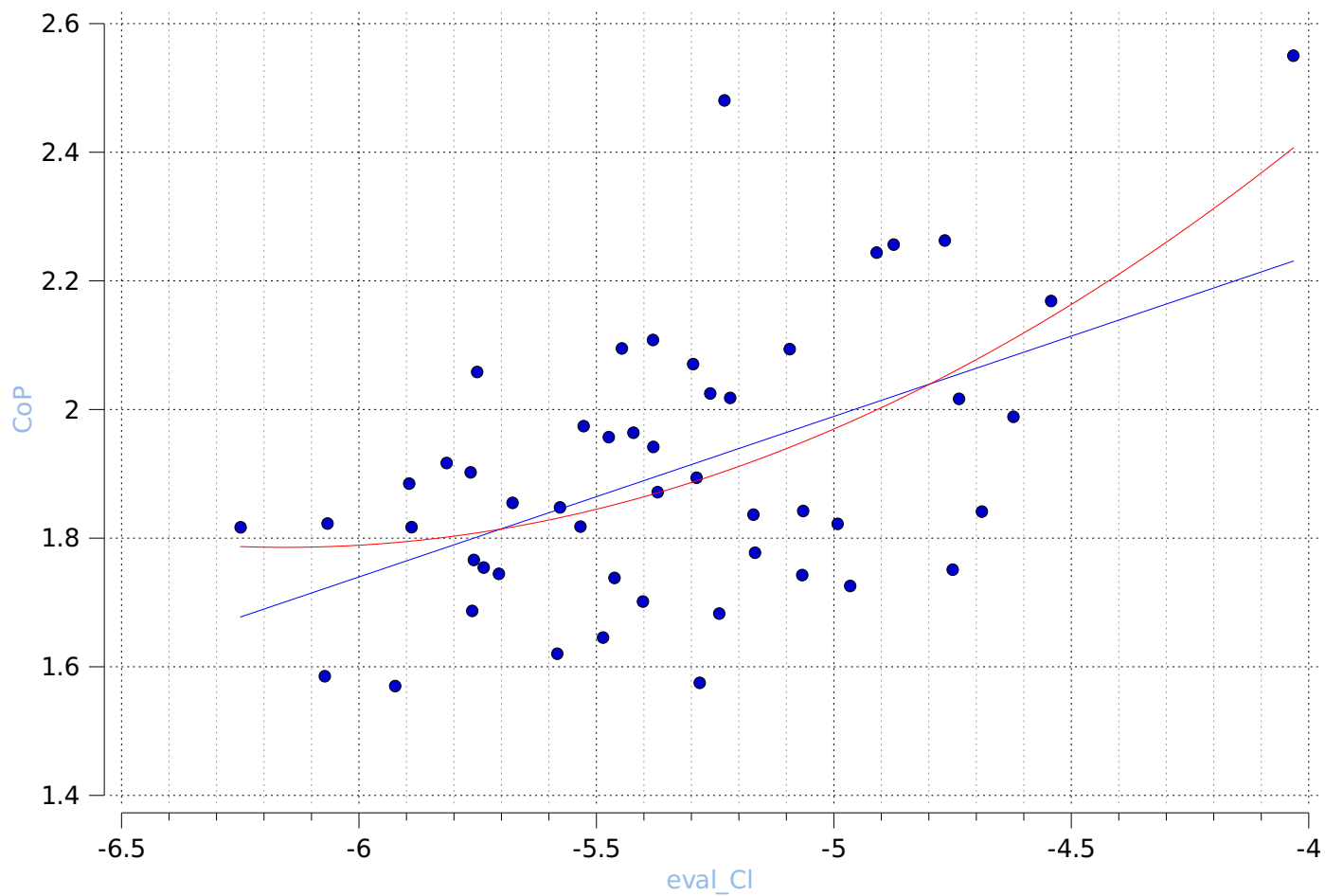
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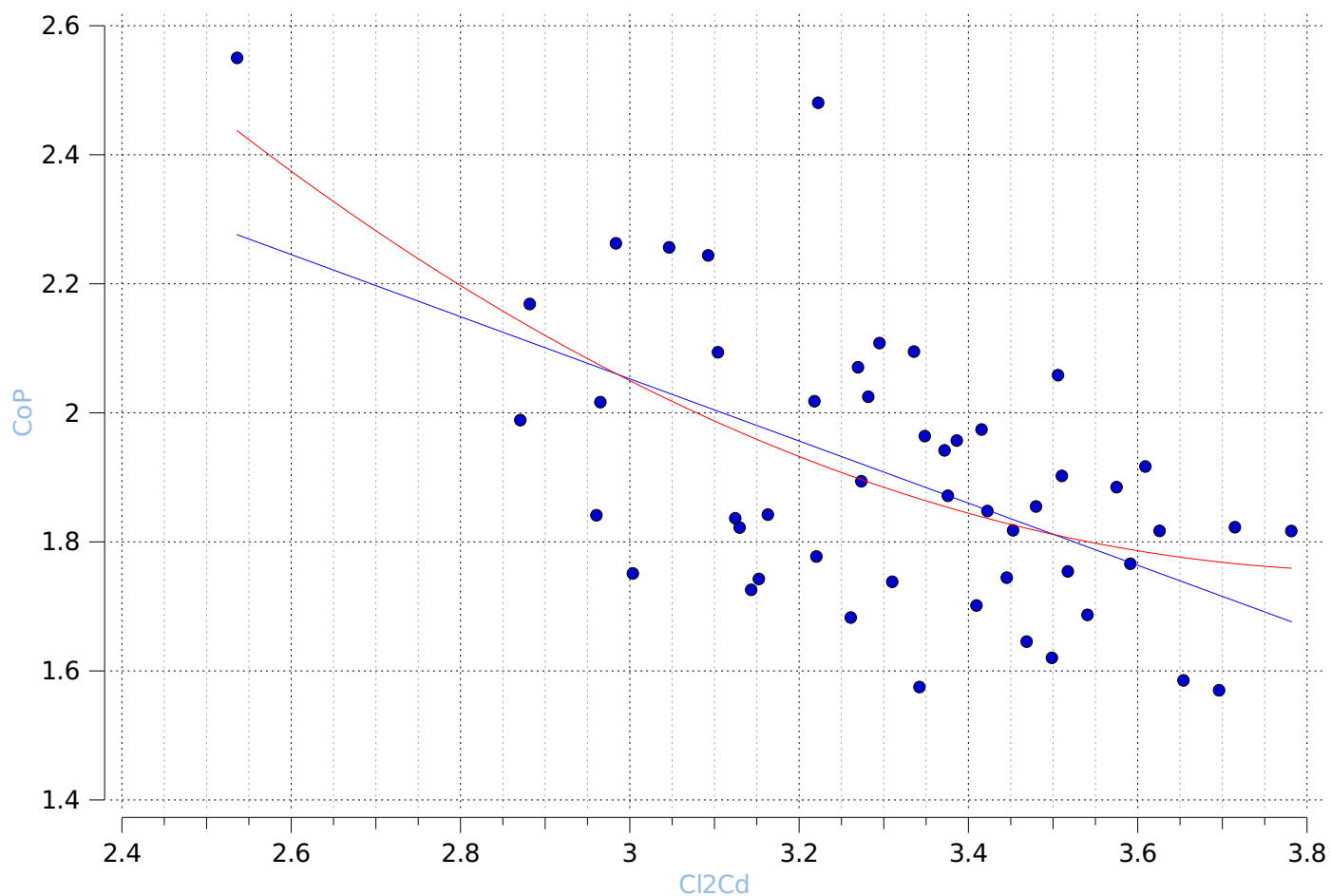
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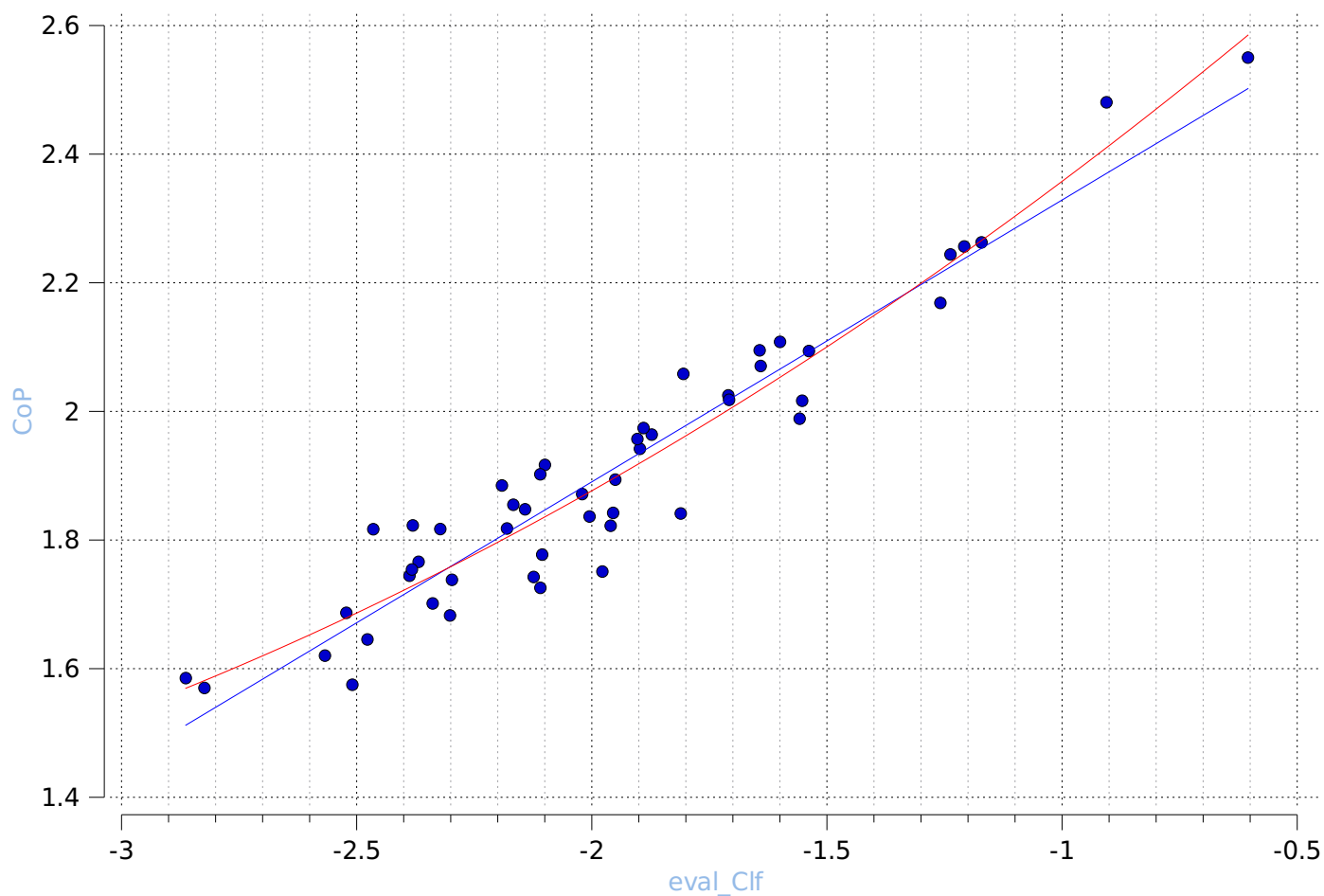
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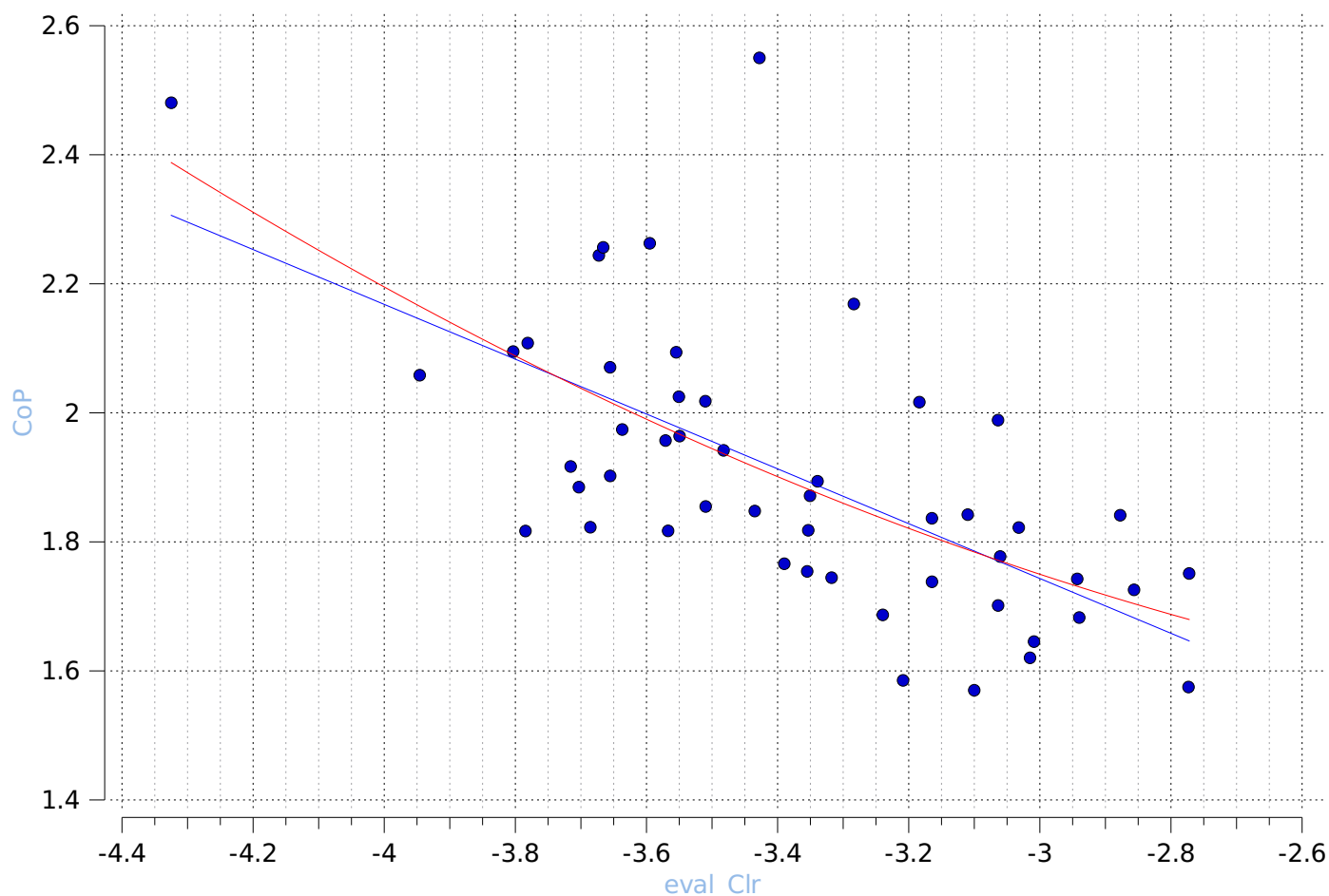
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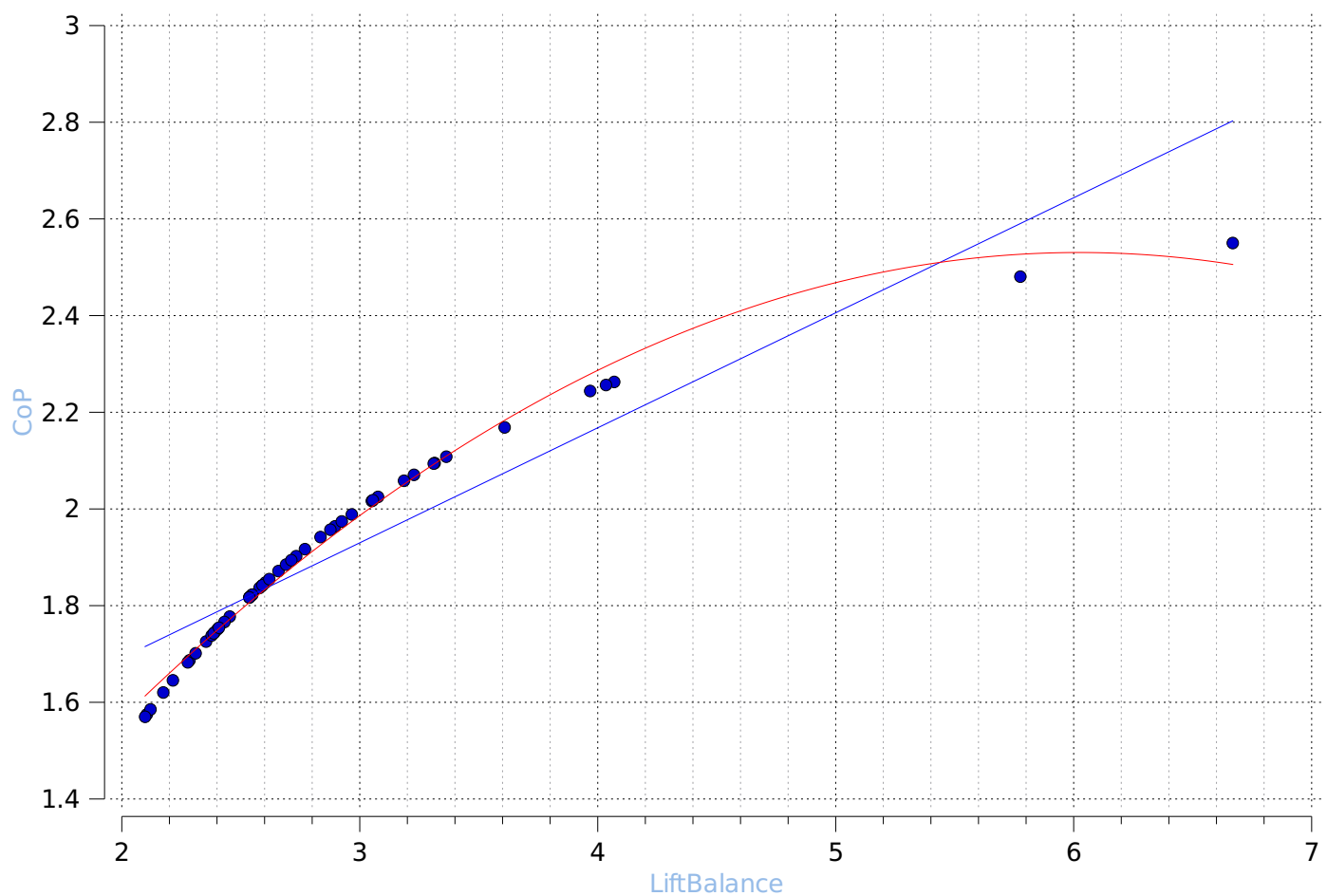
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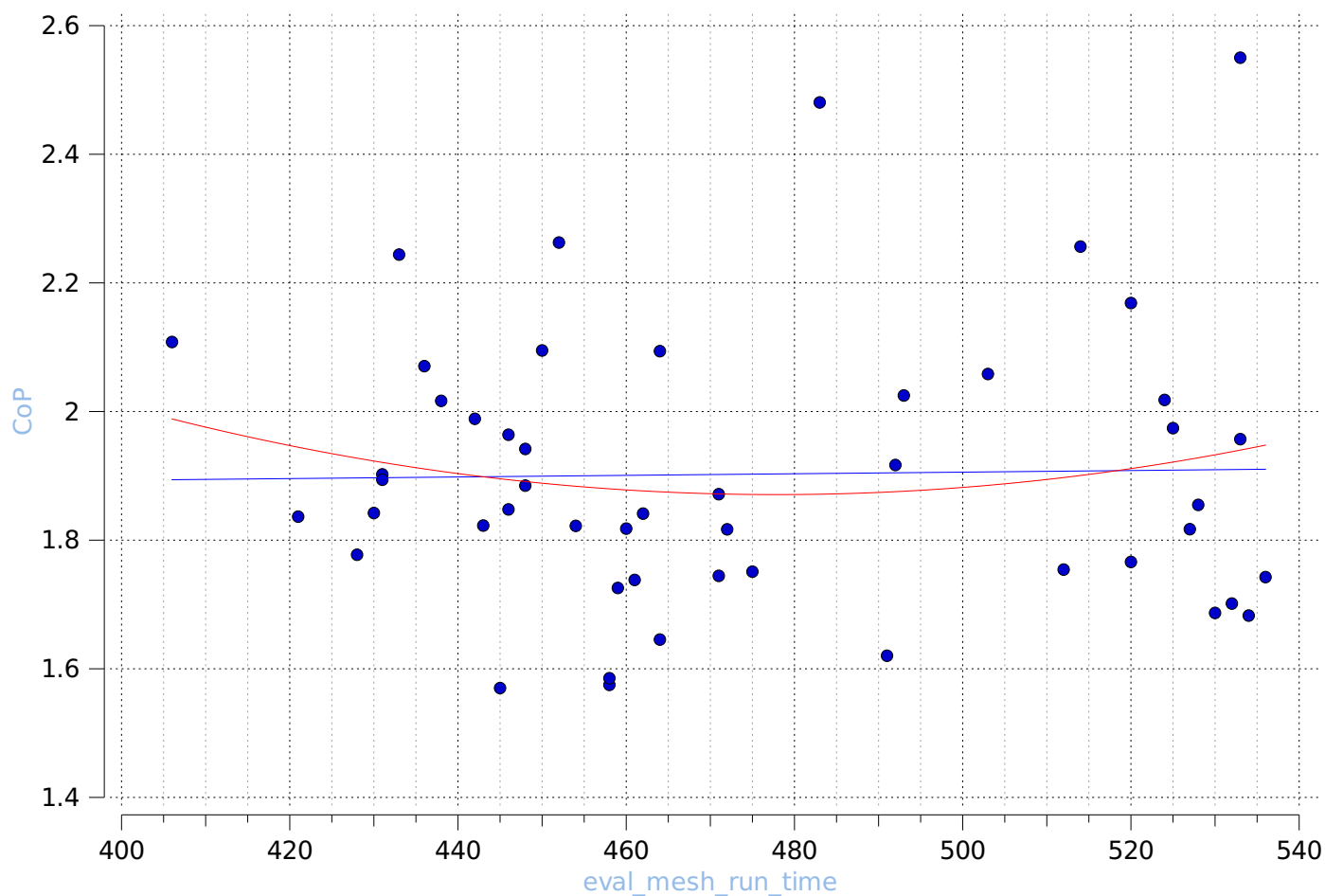


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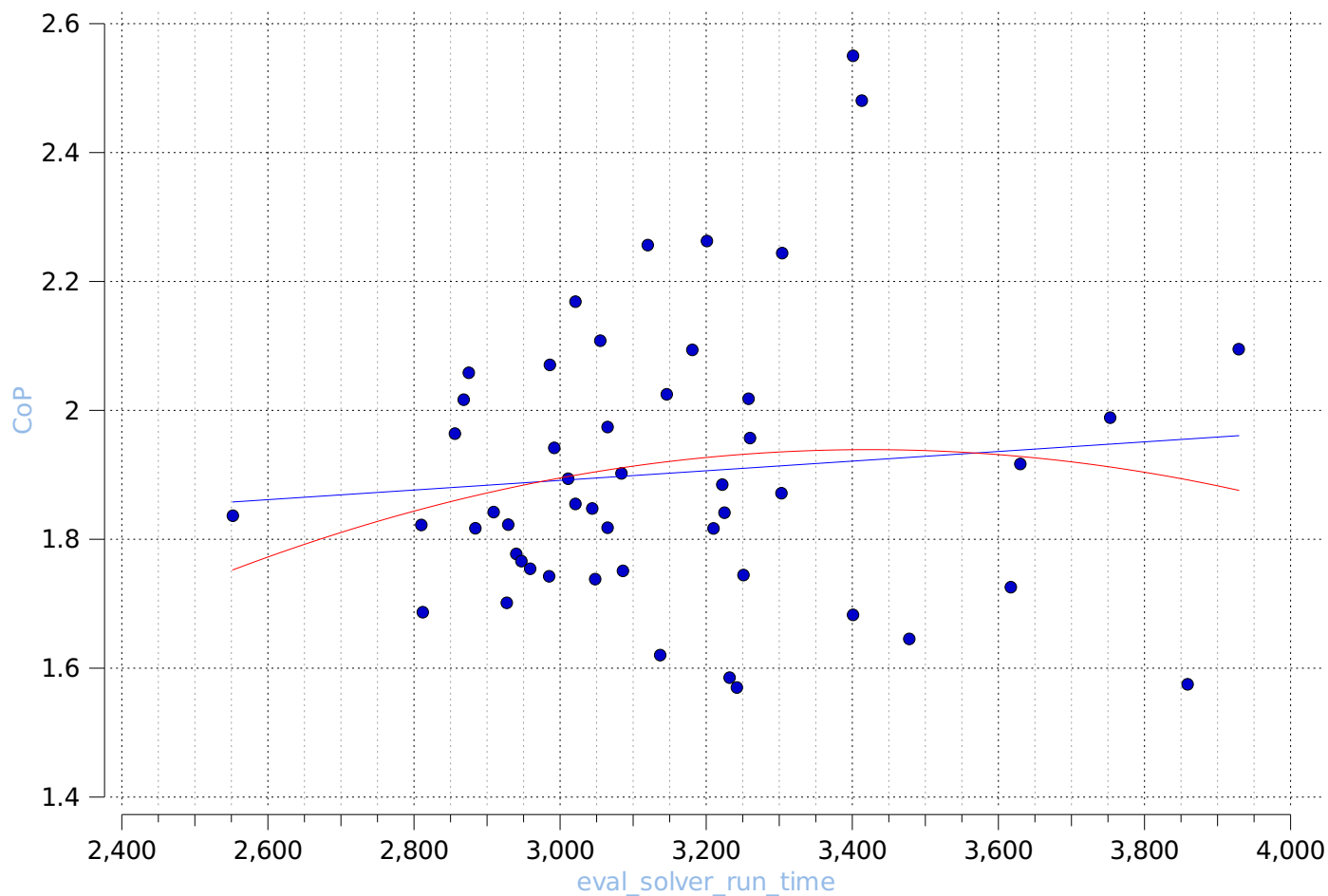
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|LiftBalance



Parameter |CoP
Parameter |eval_mesh_run_time

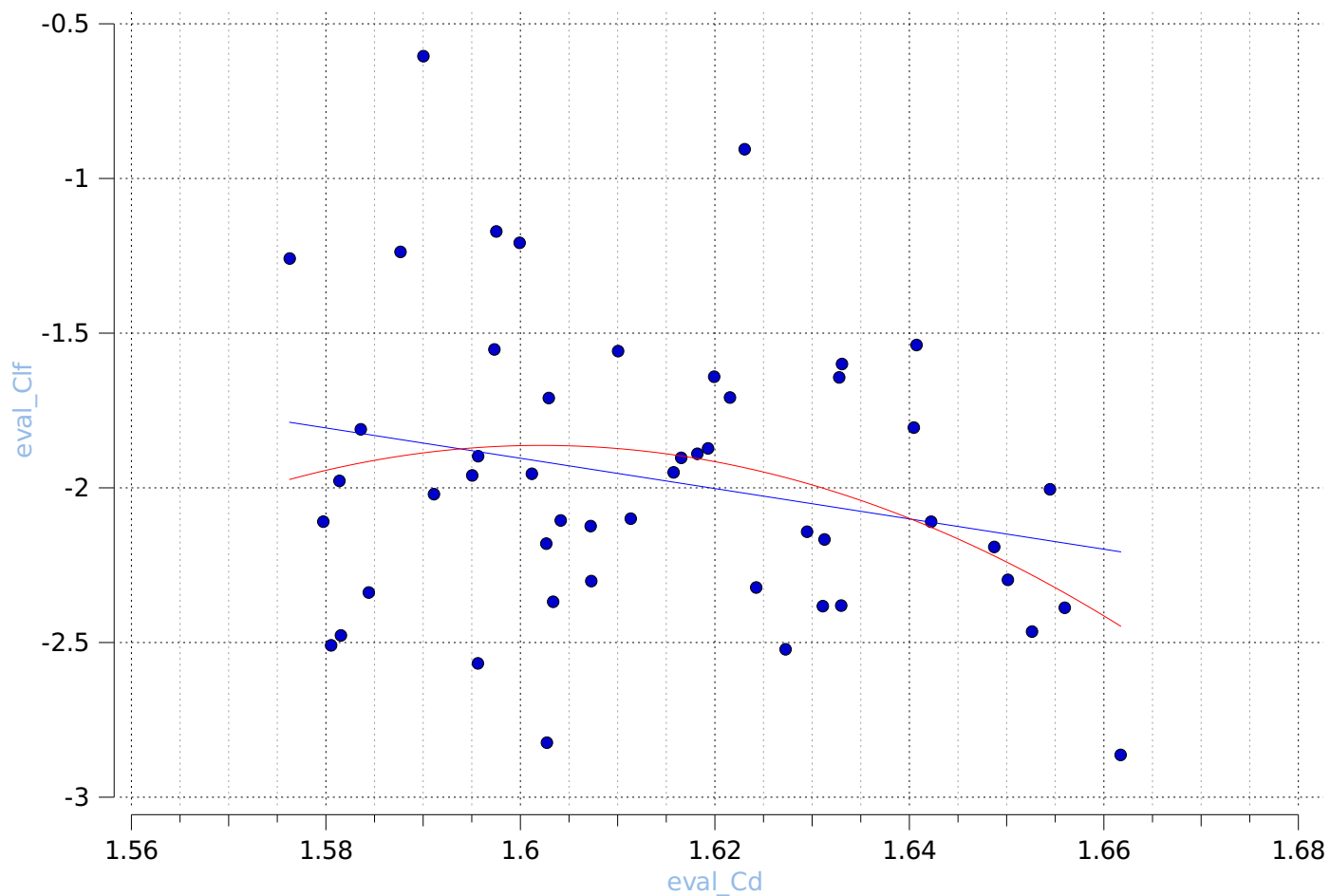


Parameter |CoP
Parameter |eval_solver_run_time



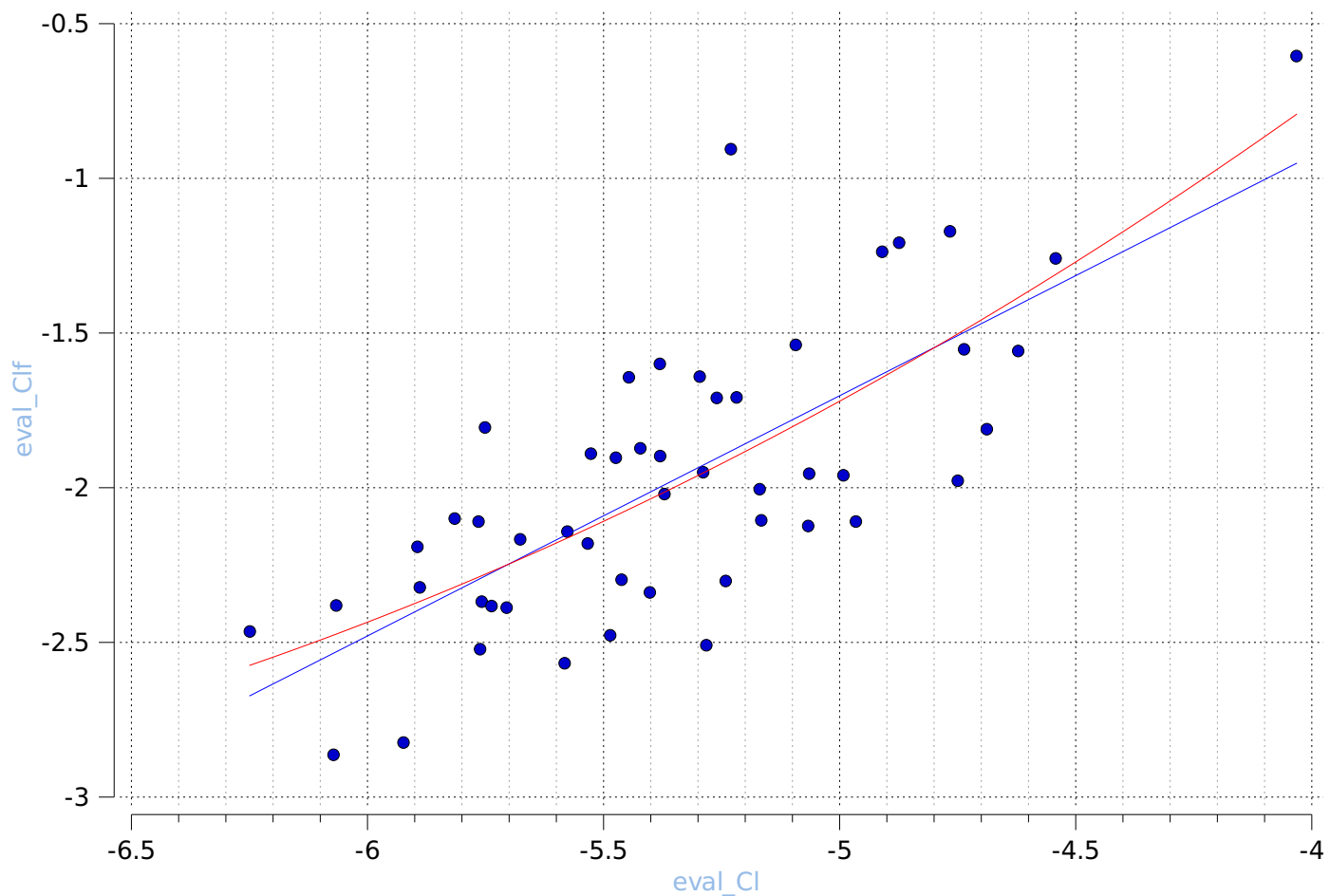
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|eval_Clf
|eval_Cd



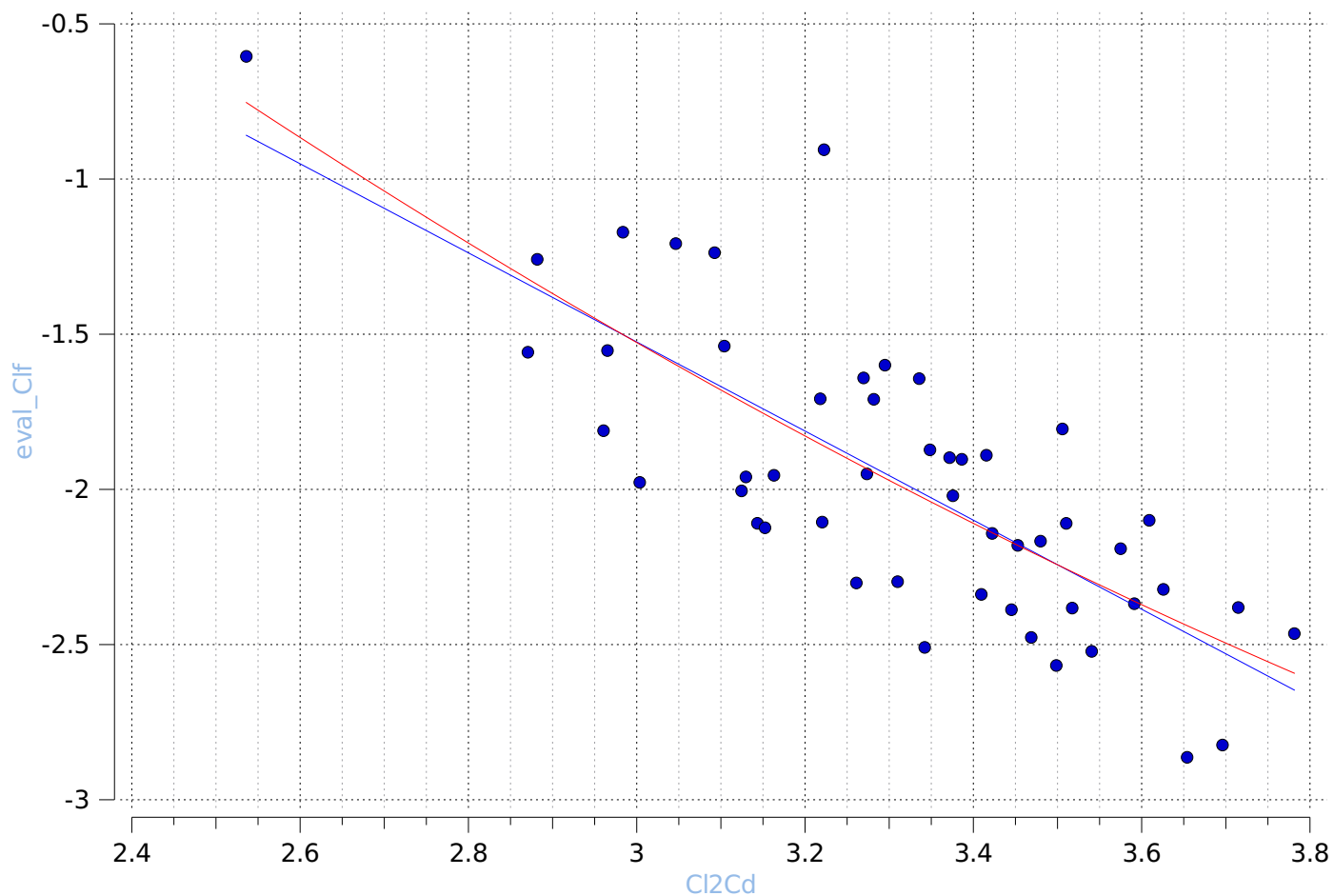
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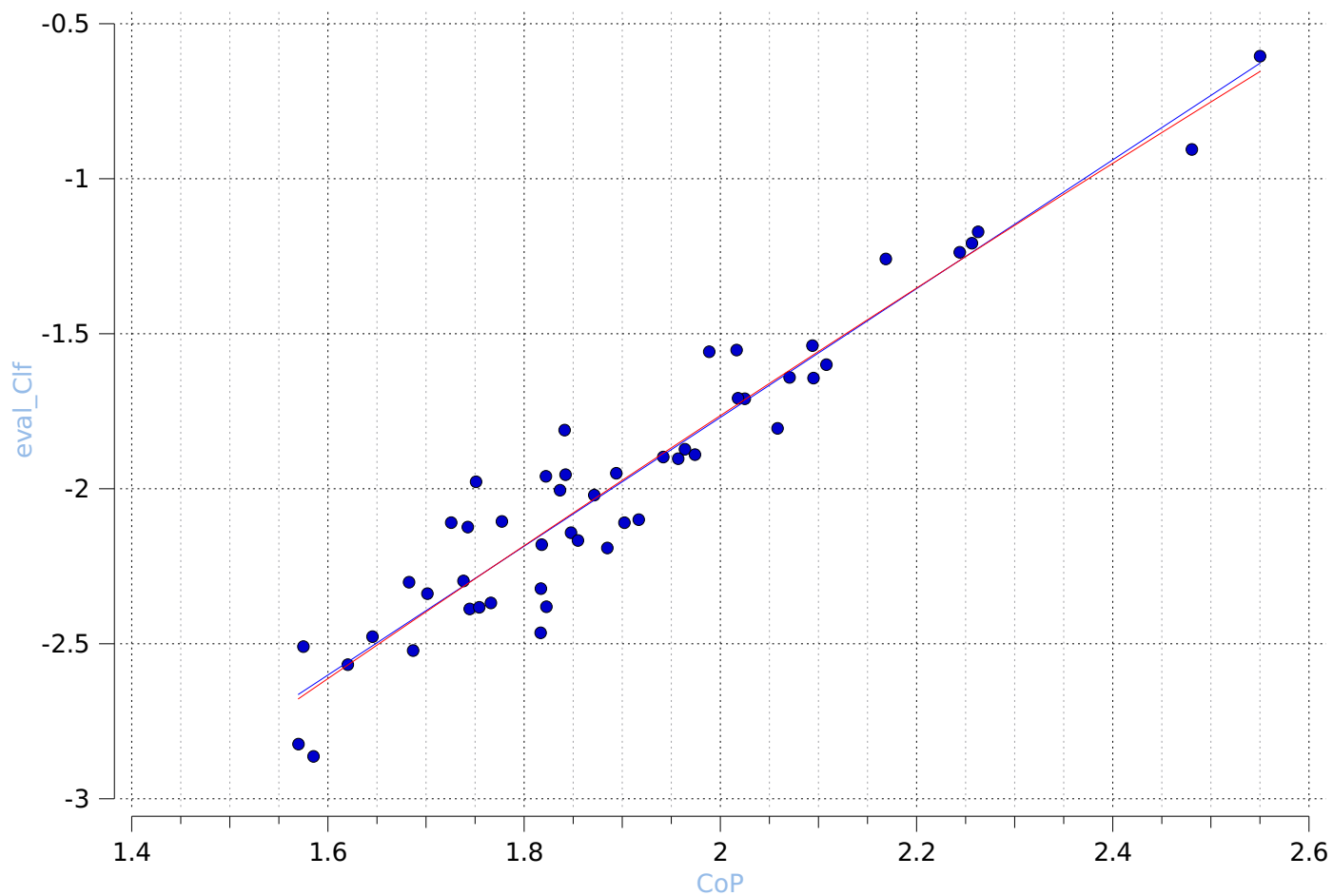
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|eval_Clf
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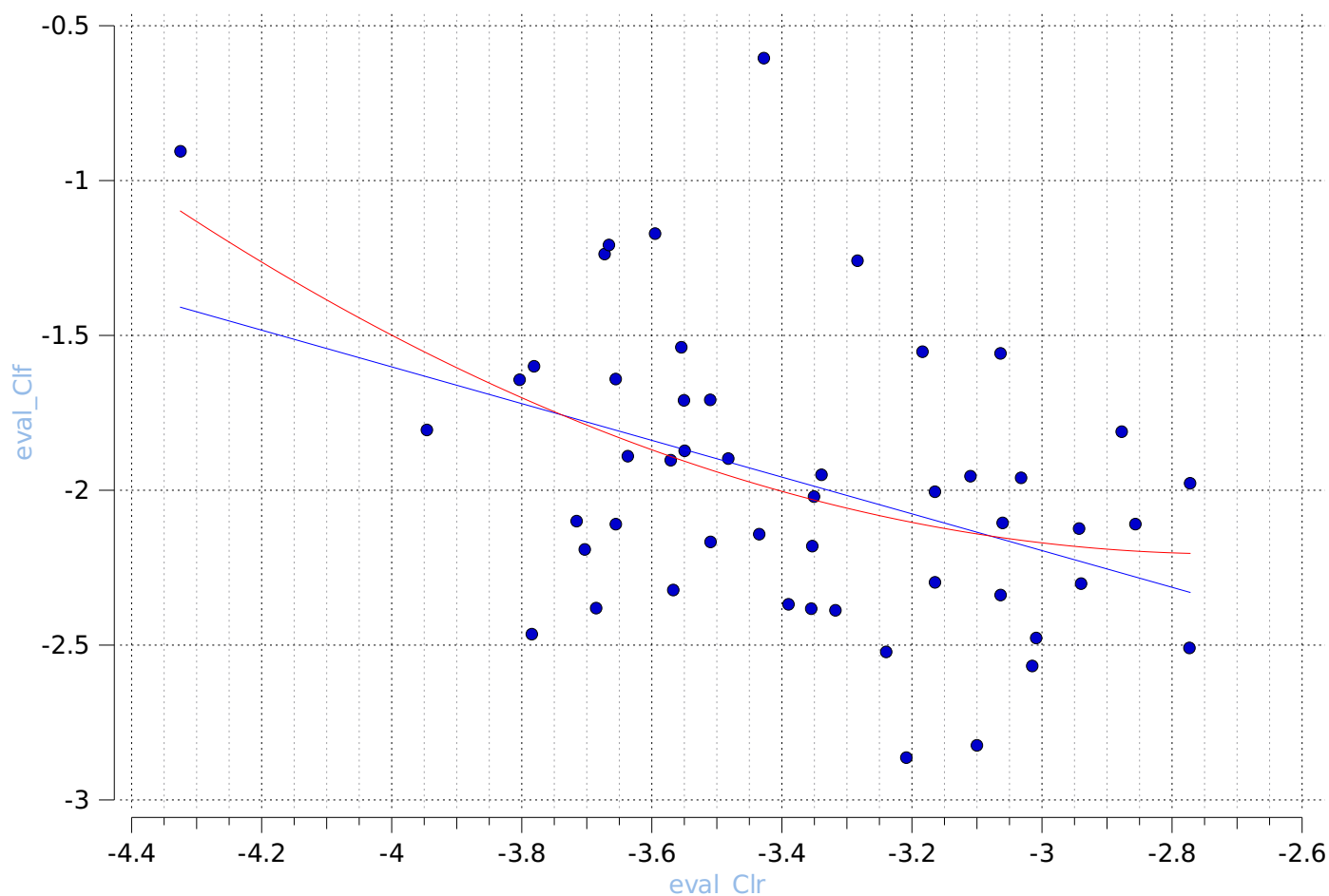


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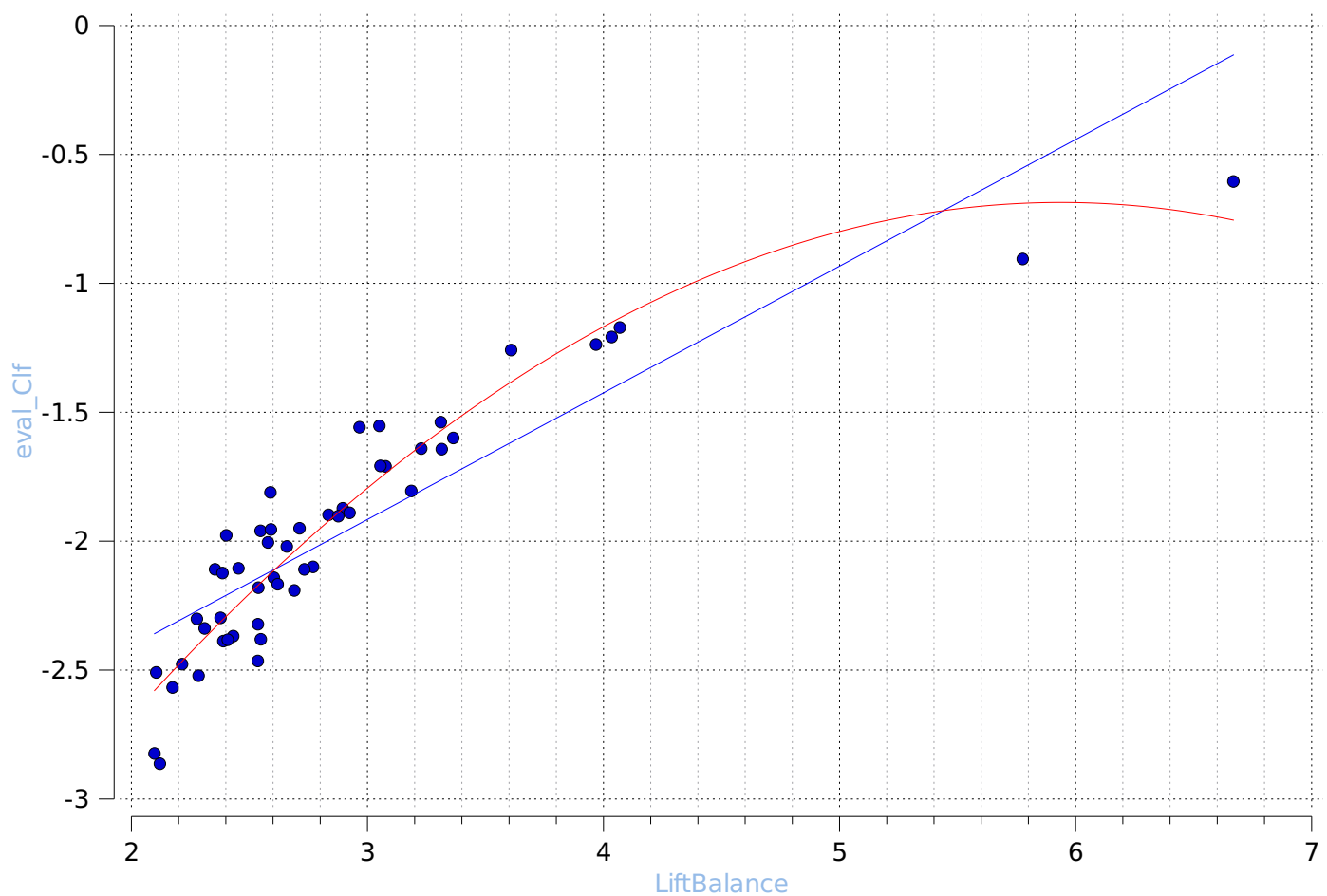
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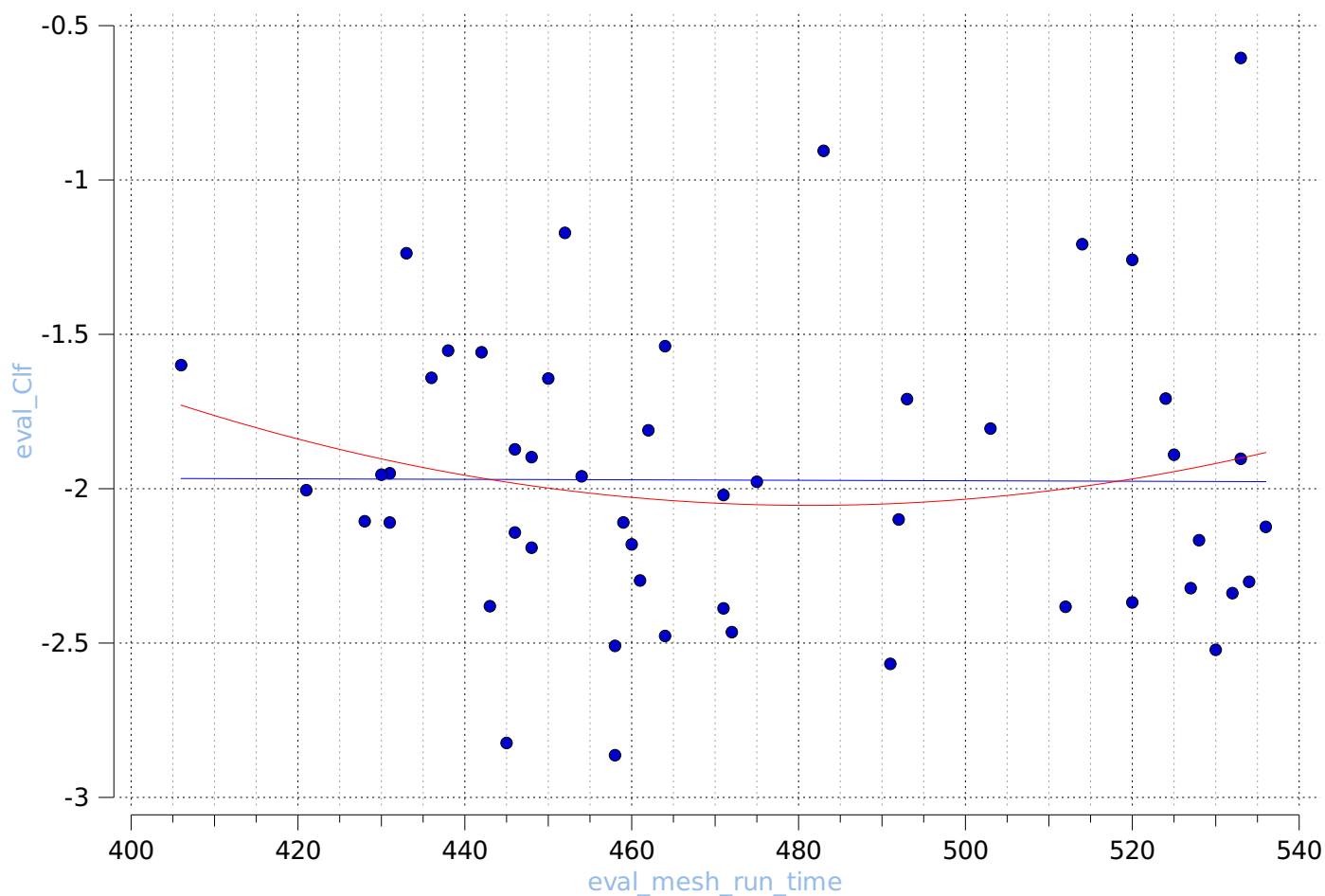
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Parameter |eval_Clr



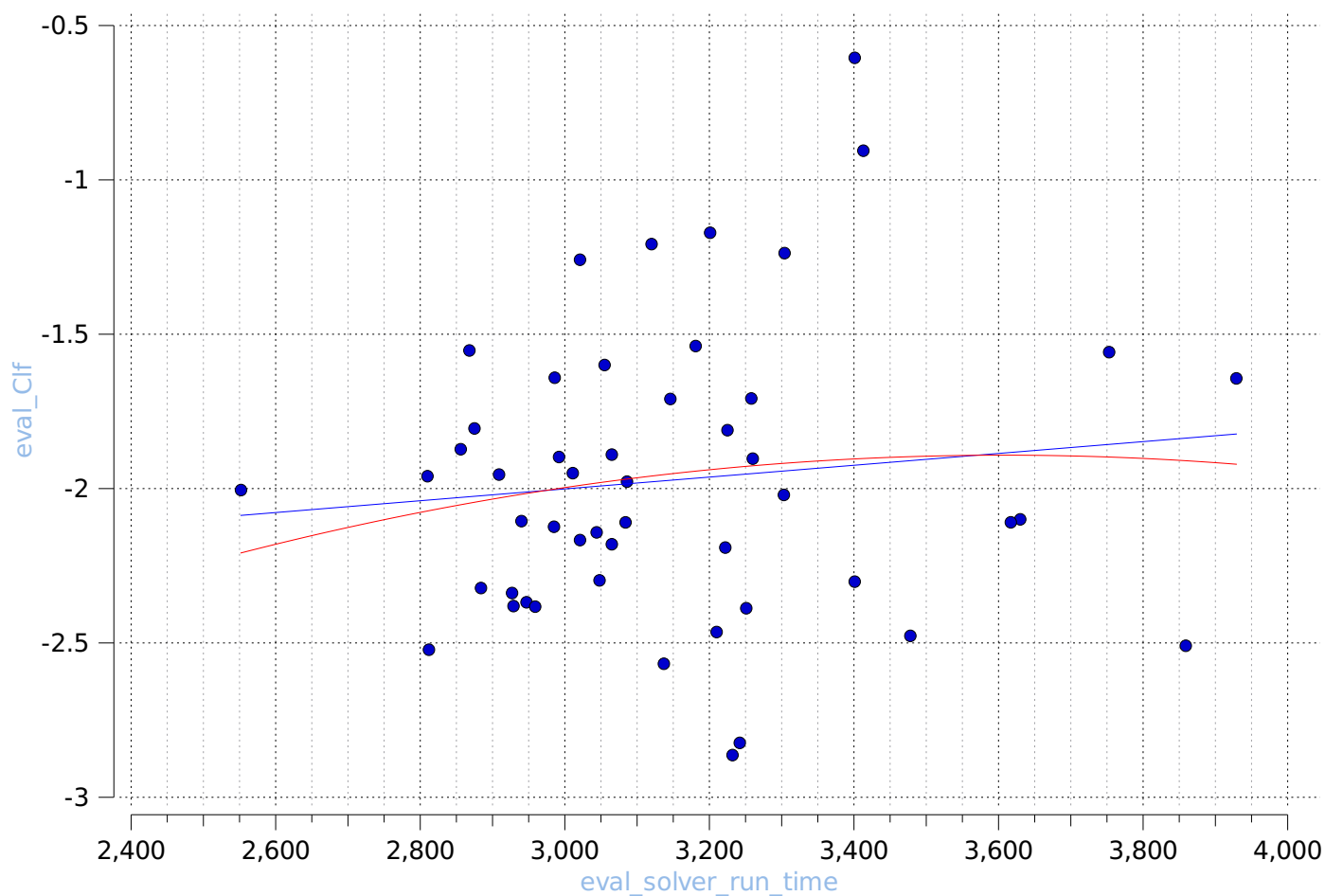
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Parameter |LiftBalance



Parameter |eval_Clf
Parameter |eval_mesh_run_time

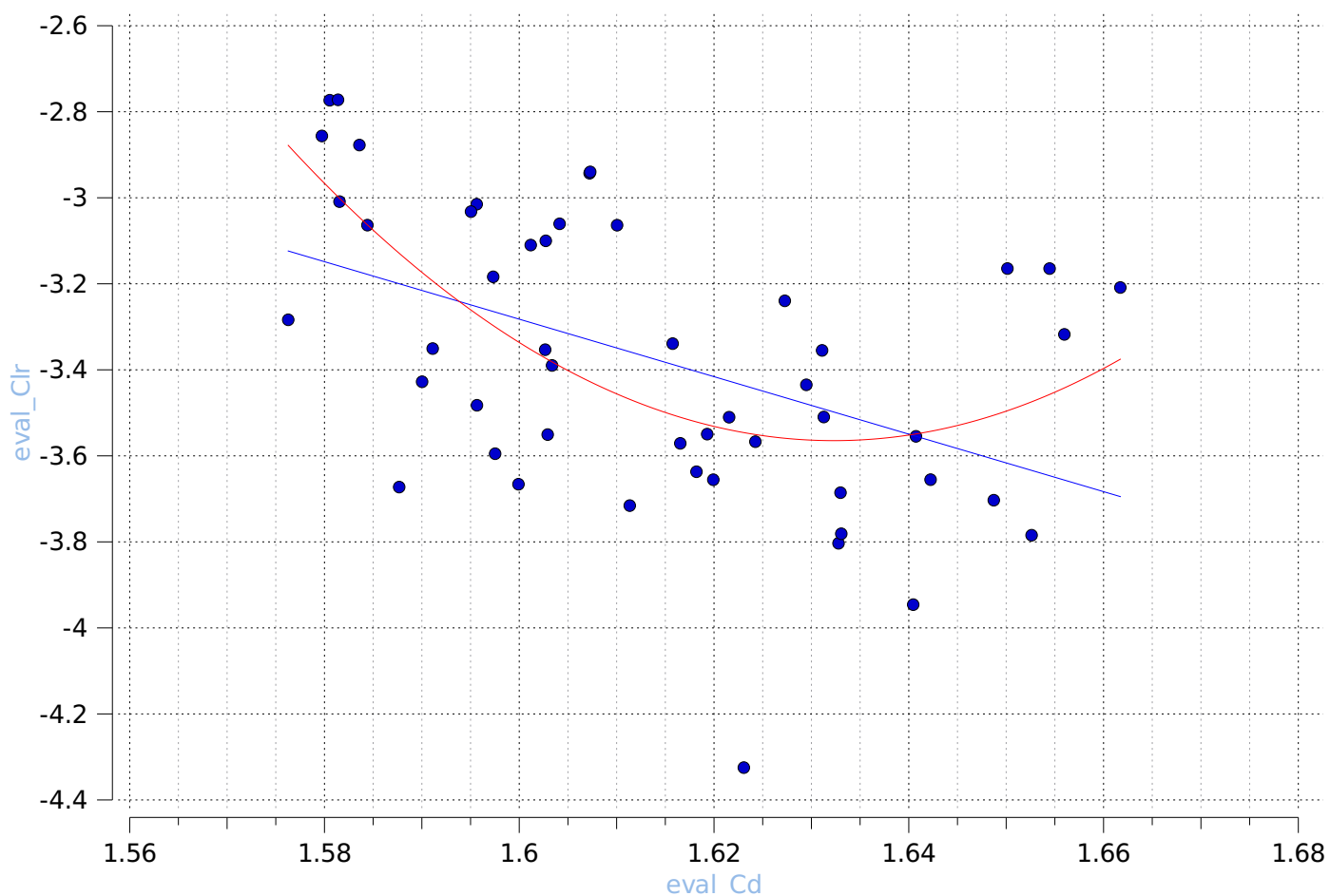


Parameter |eval_Clf
Parameter |eval_solver_run_time



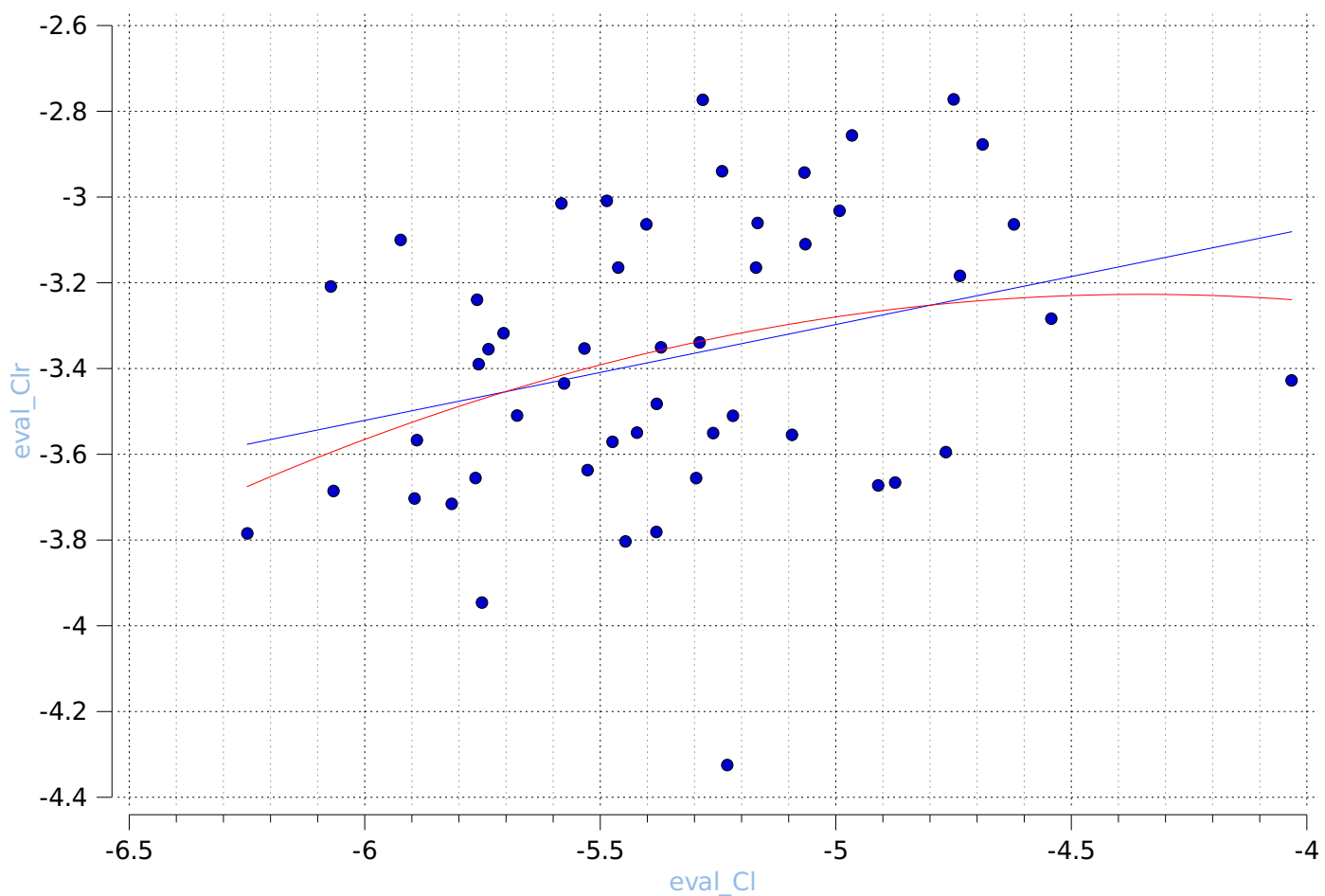
Parameter
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|eval_Clr
|eval_Cd



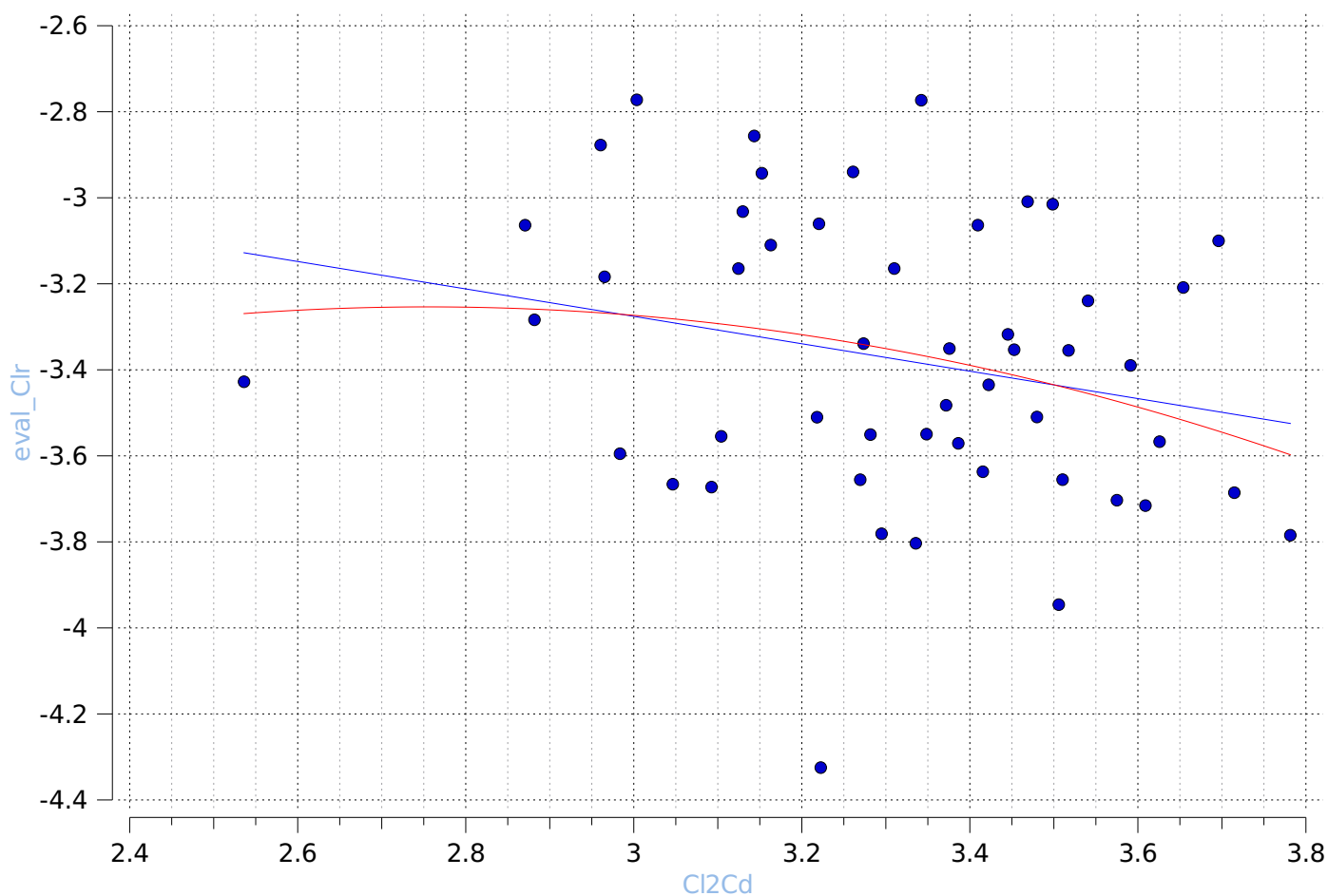
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|eval_Clr
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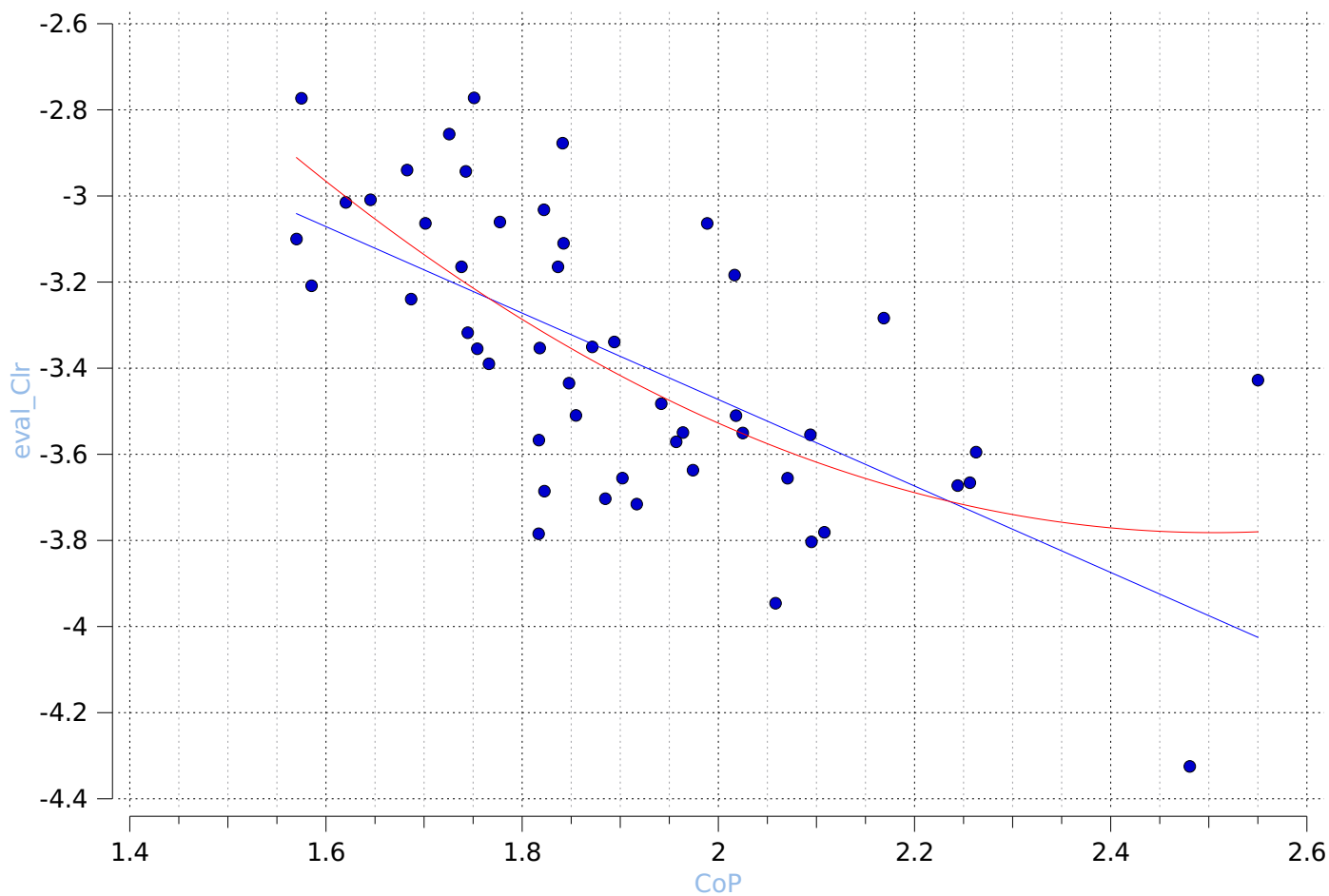
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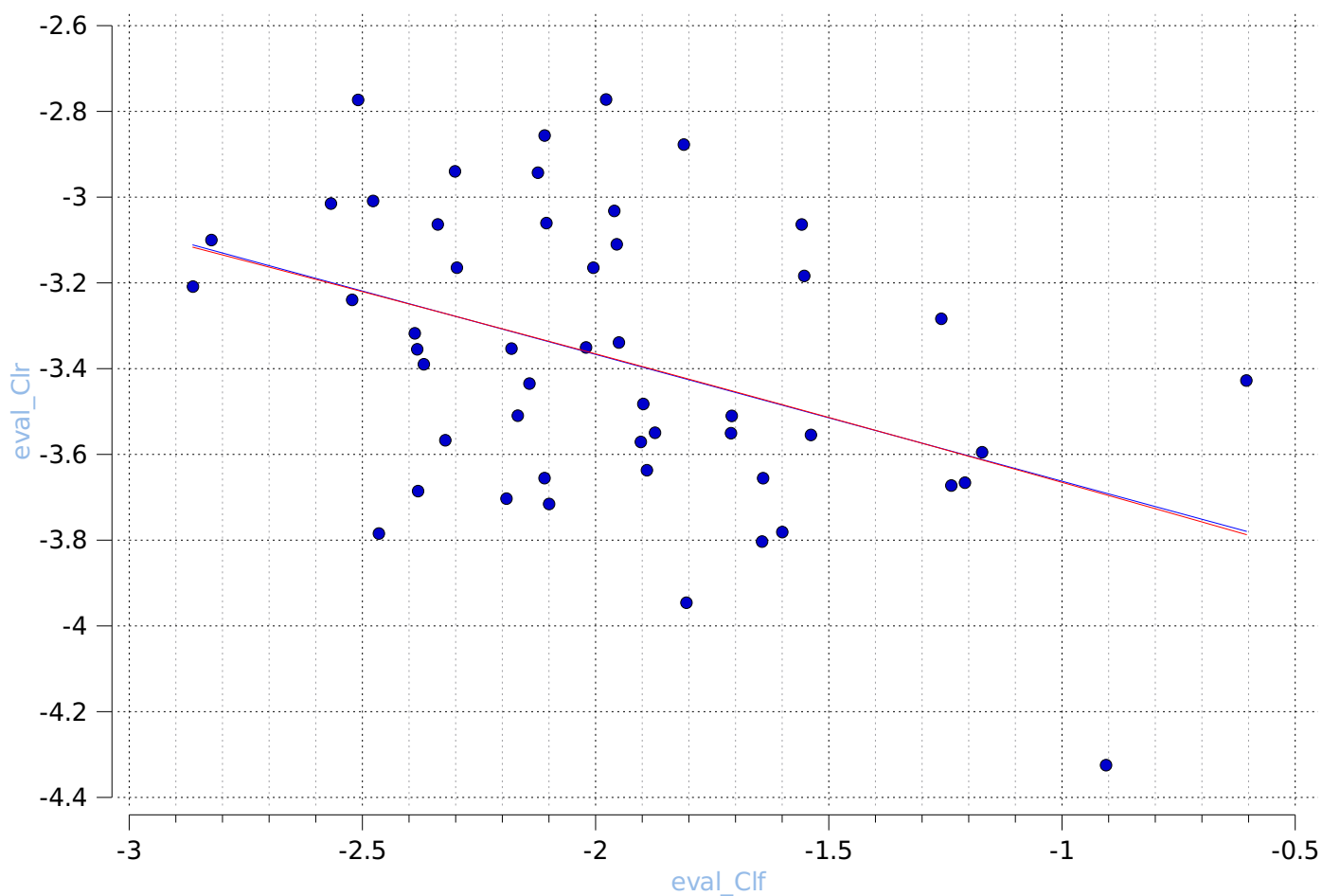
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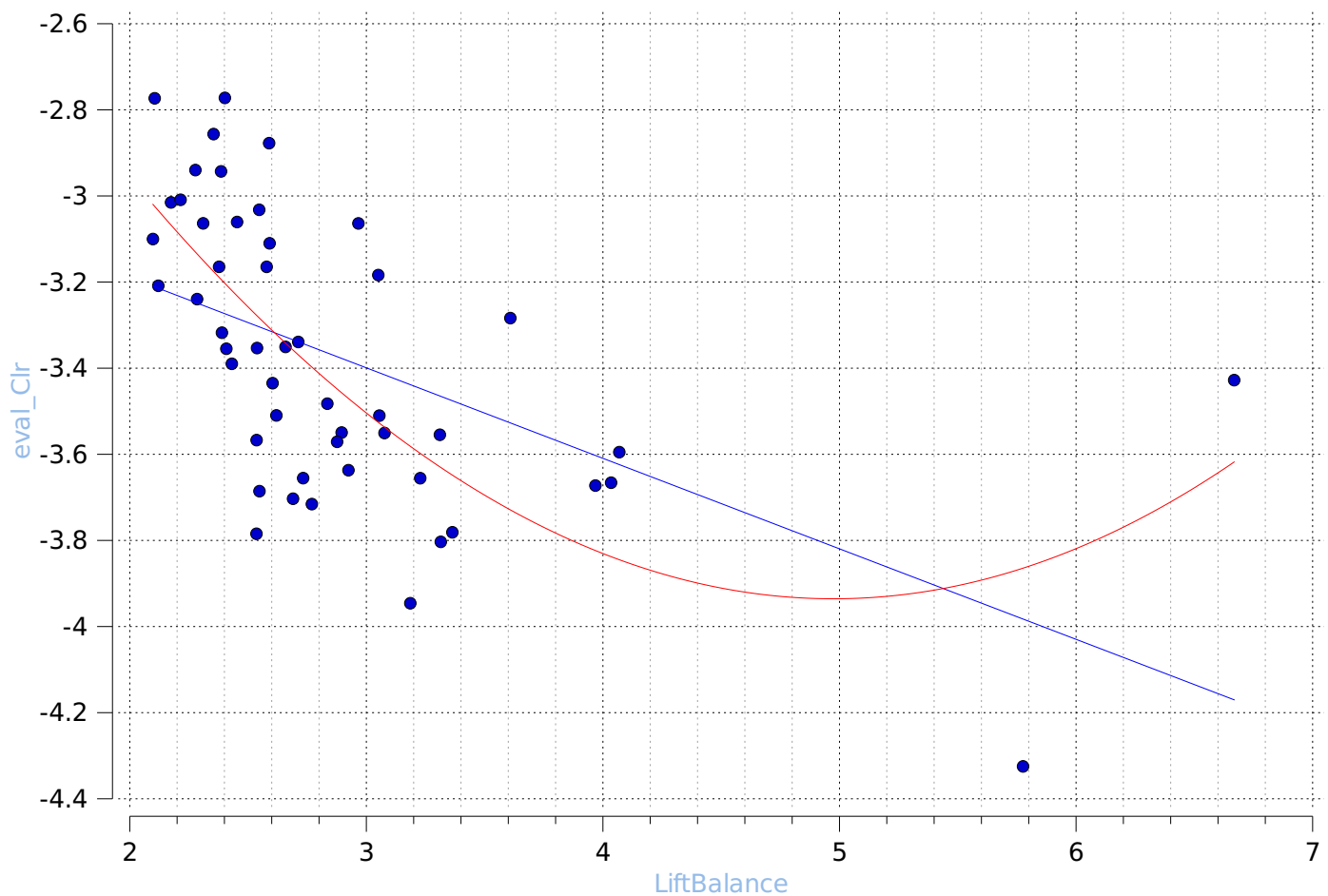
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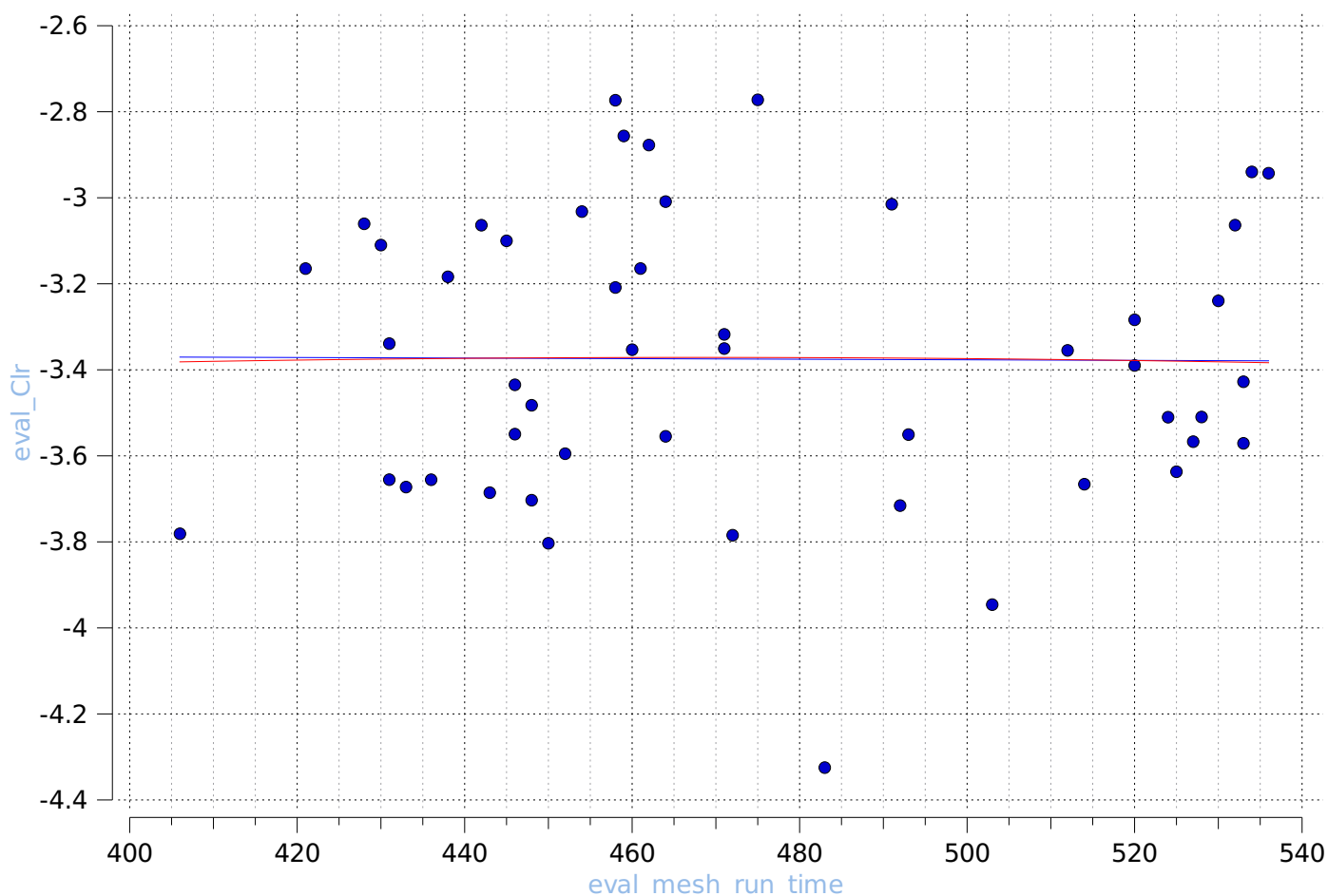


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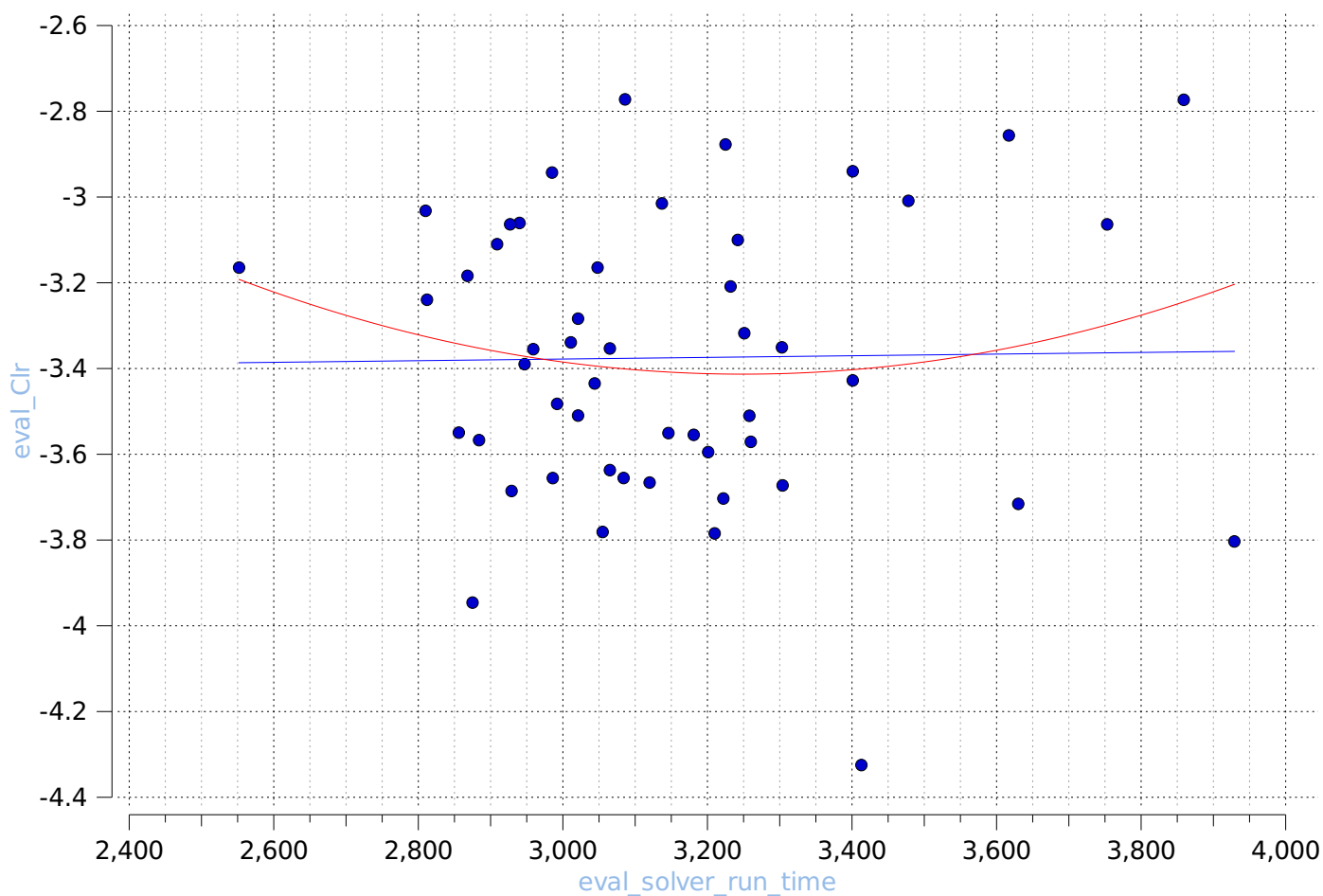
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|LiftBalance



Parameter |eval_Clr
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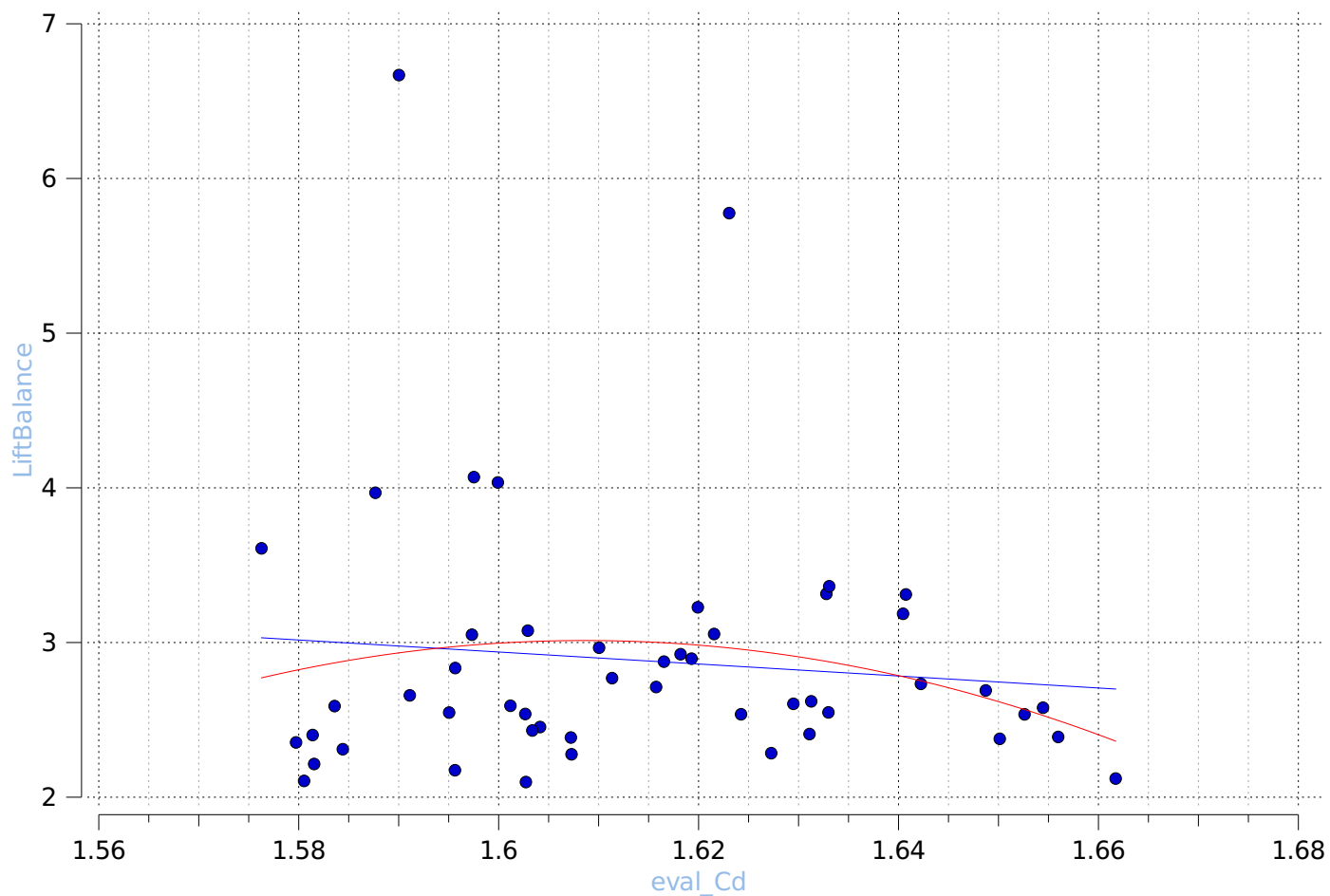


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Parameter |eval_solver_run_time



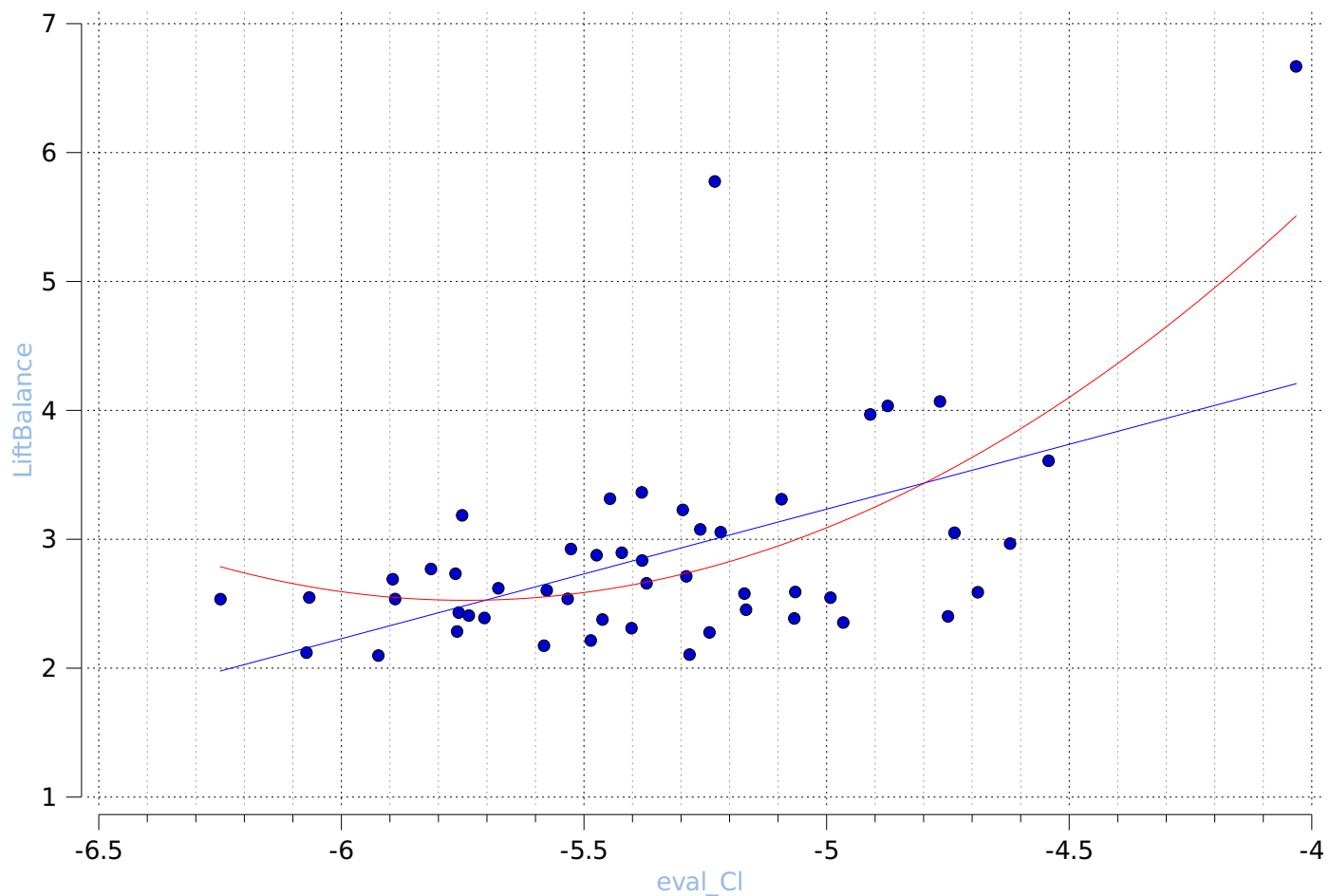
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|LiftBalance
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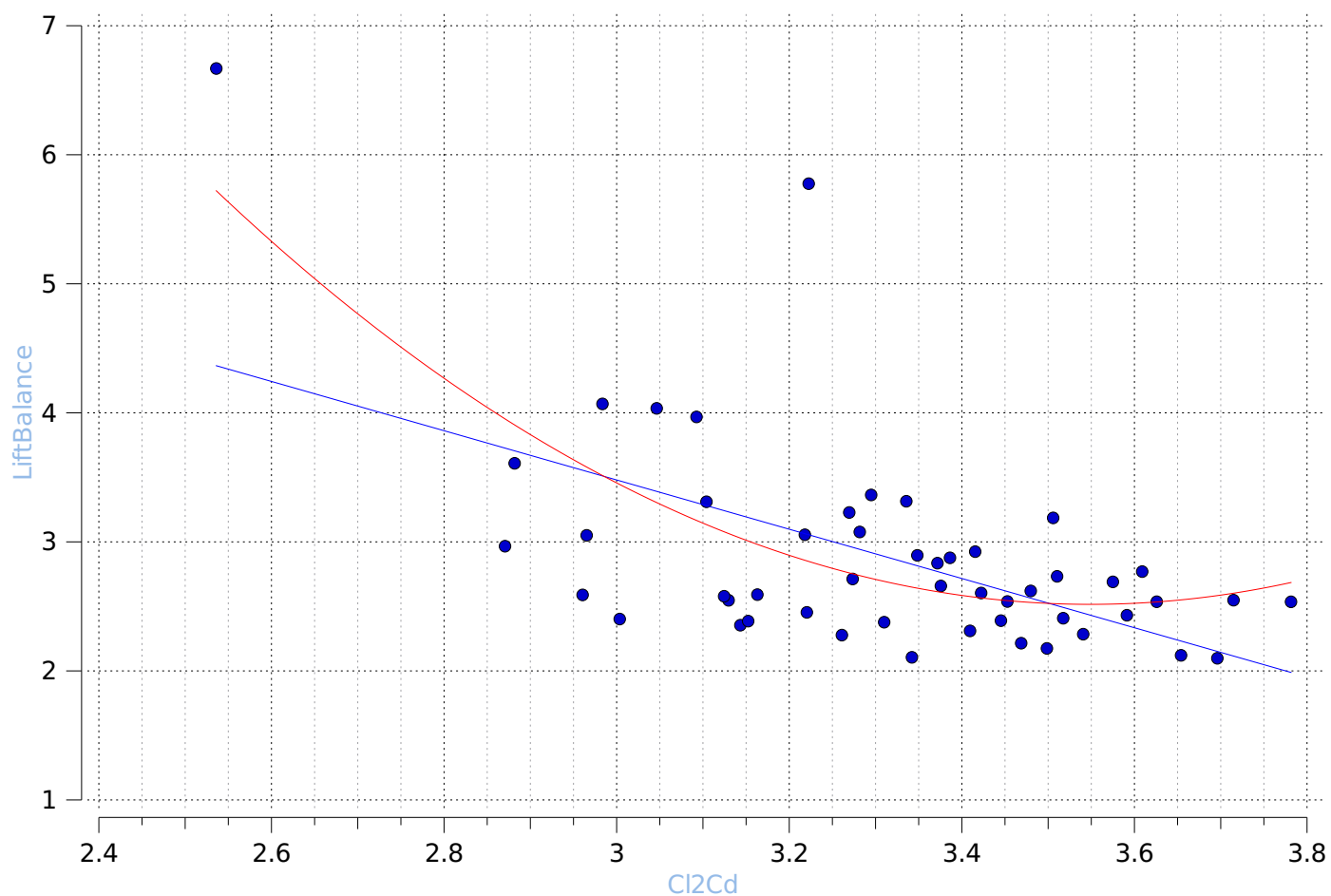
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|LiftBalance
|eval_Cl



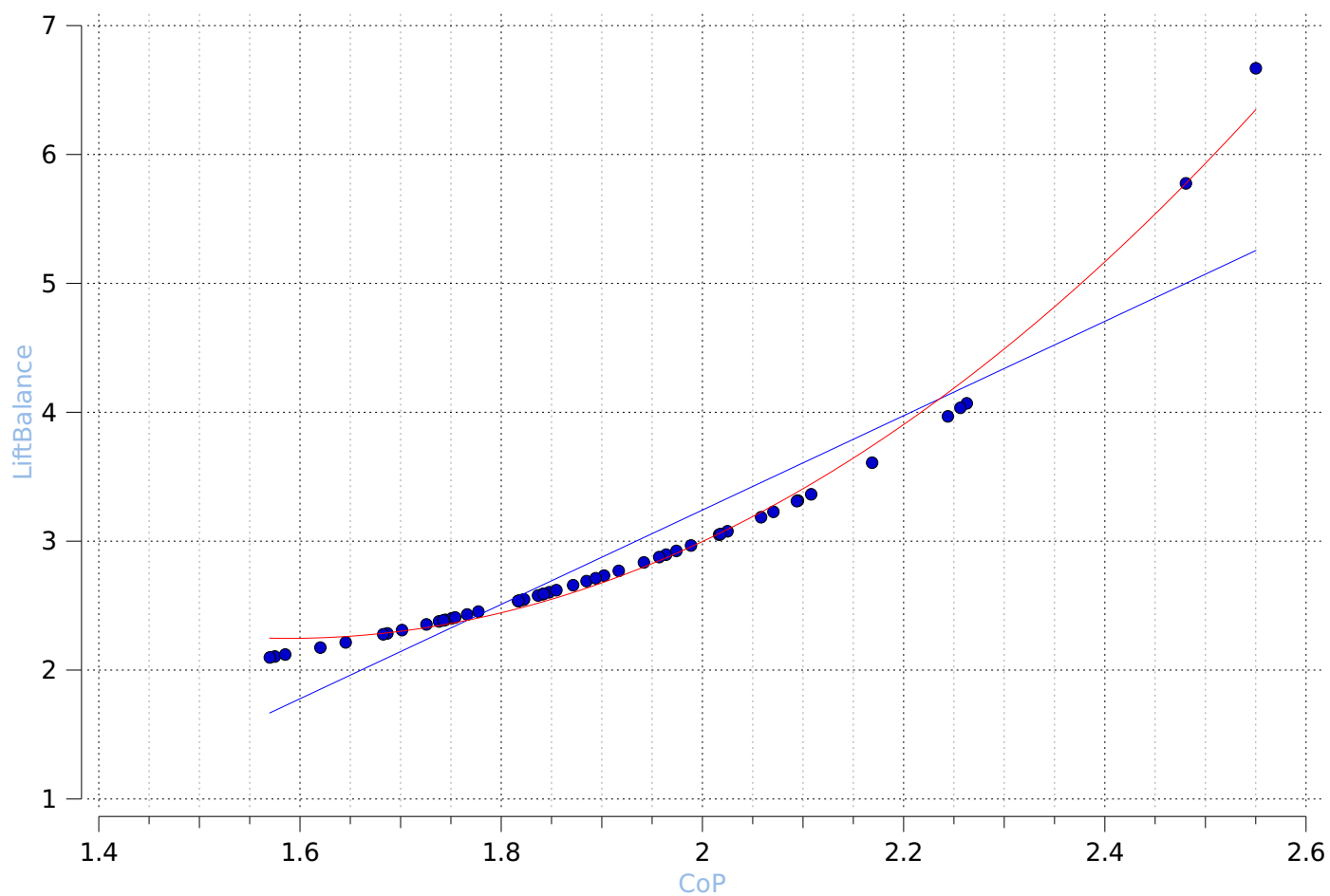
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|LiftBalance
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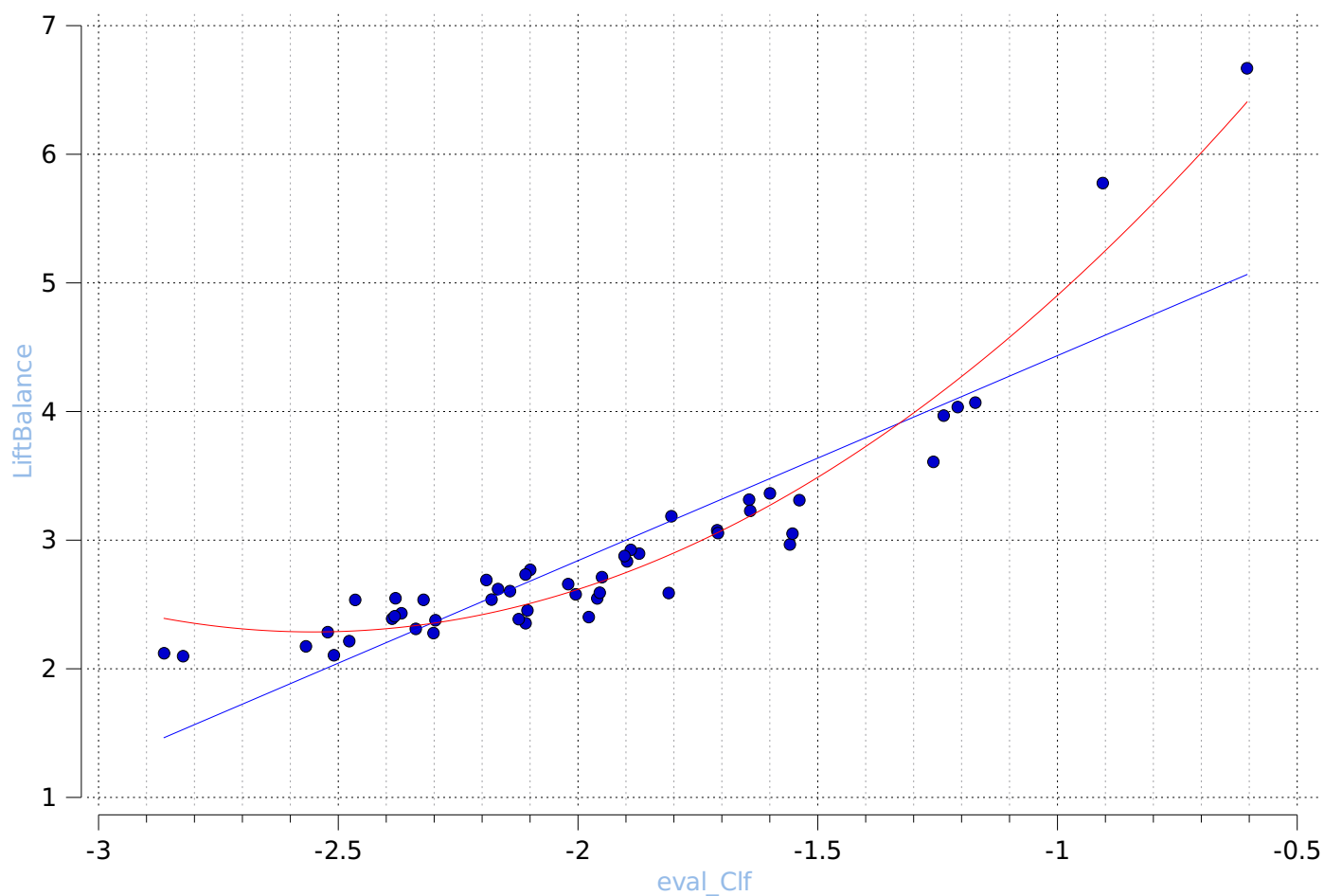


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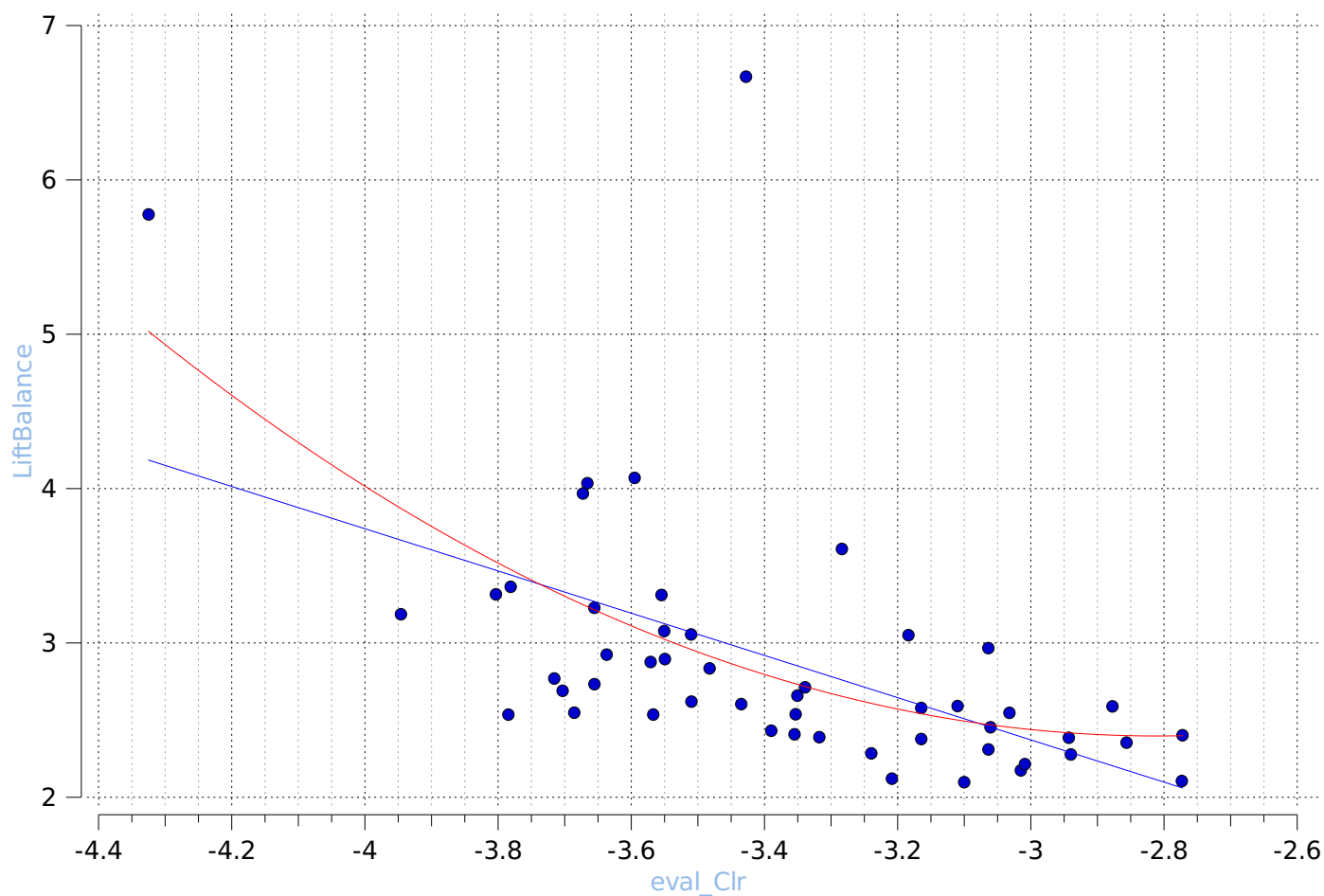
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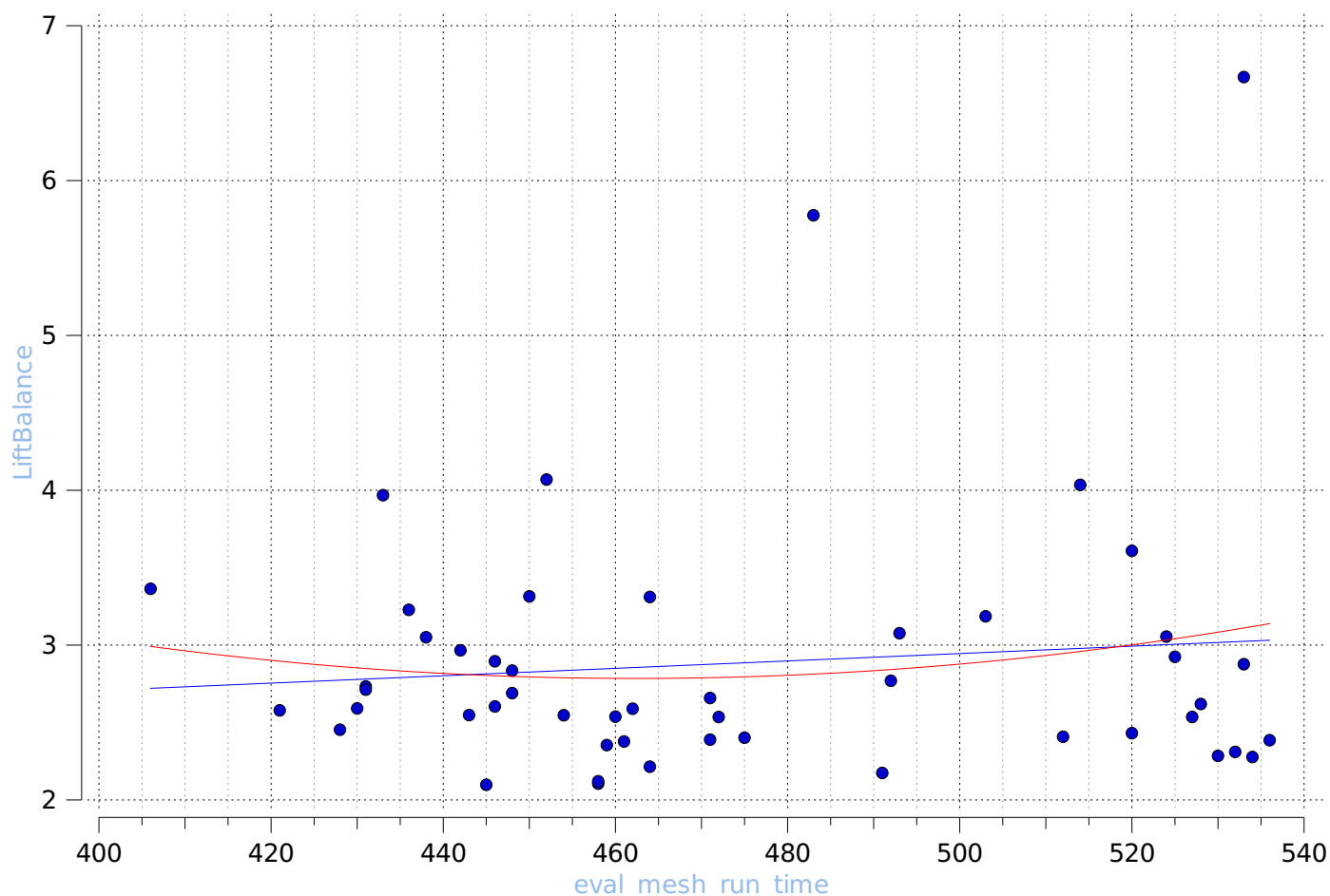
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Parameter | eval_Clf



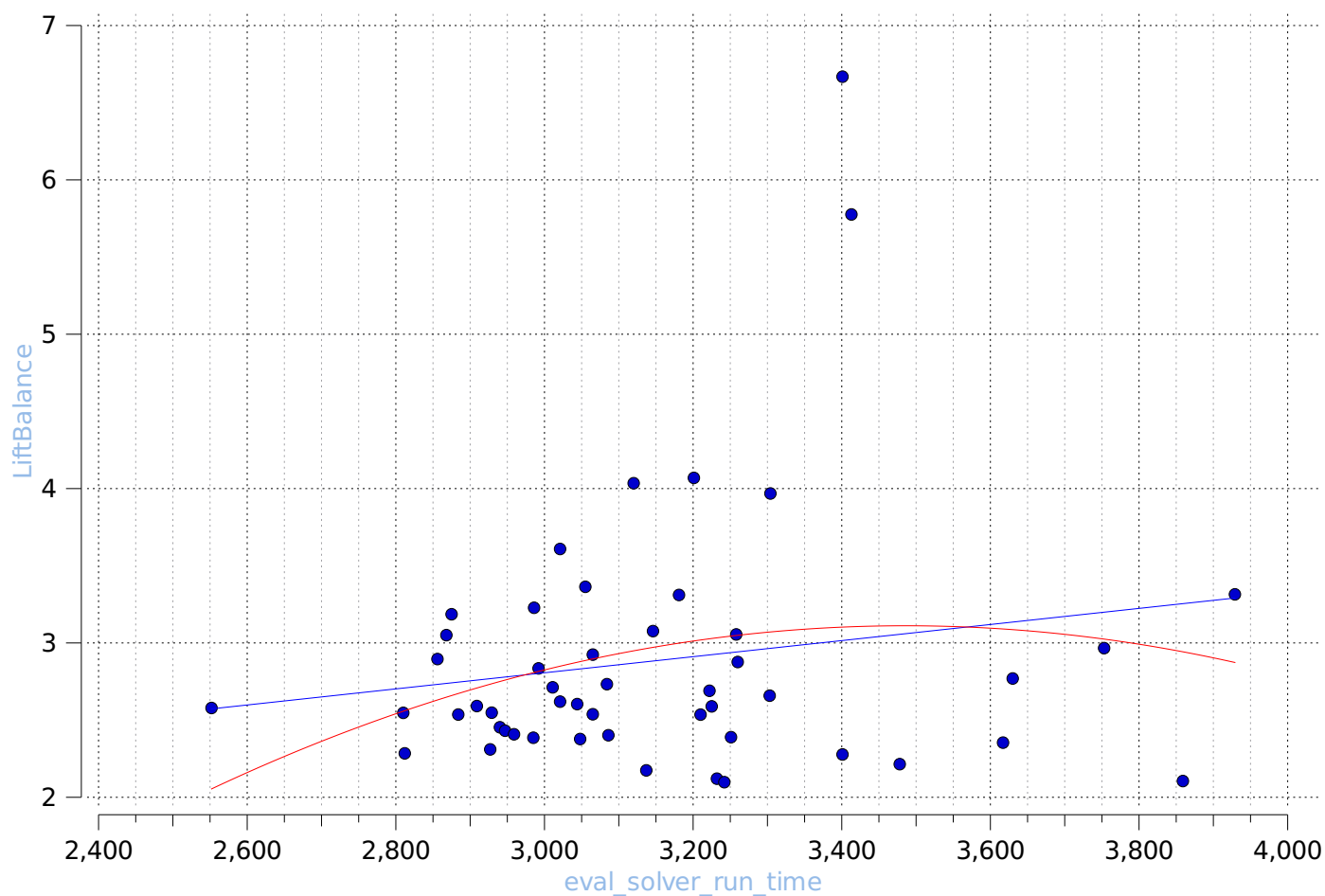
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Parameter | eval_Clr



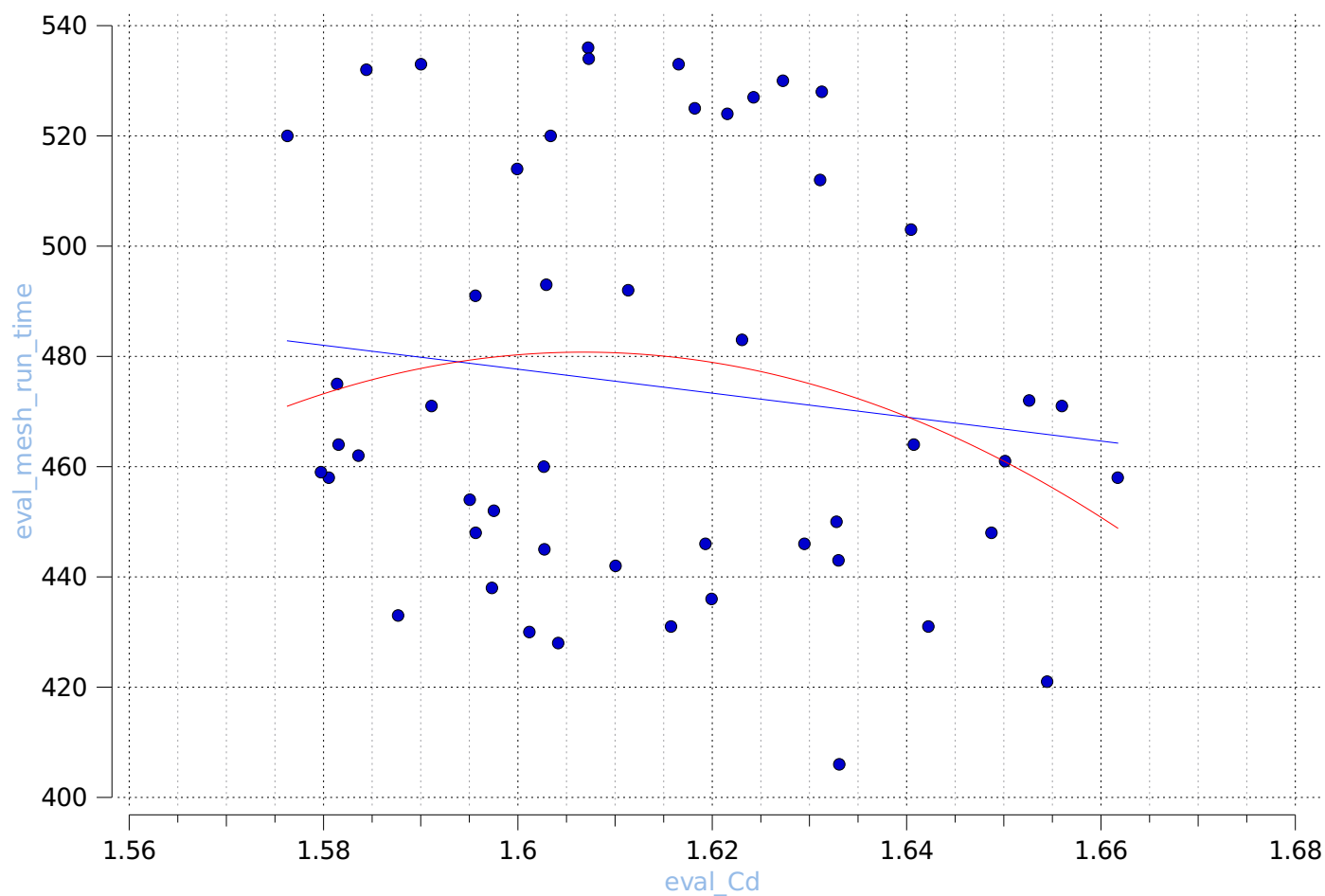
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Parameter |eval_mesh_run_time



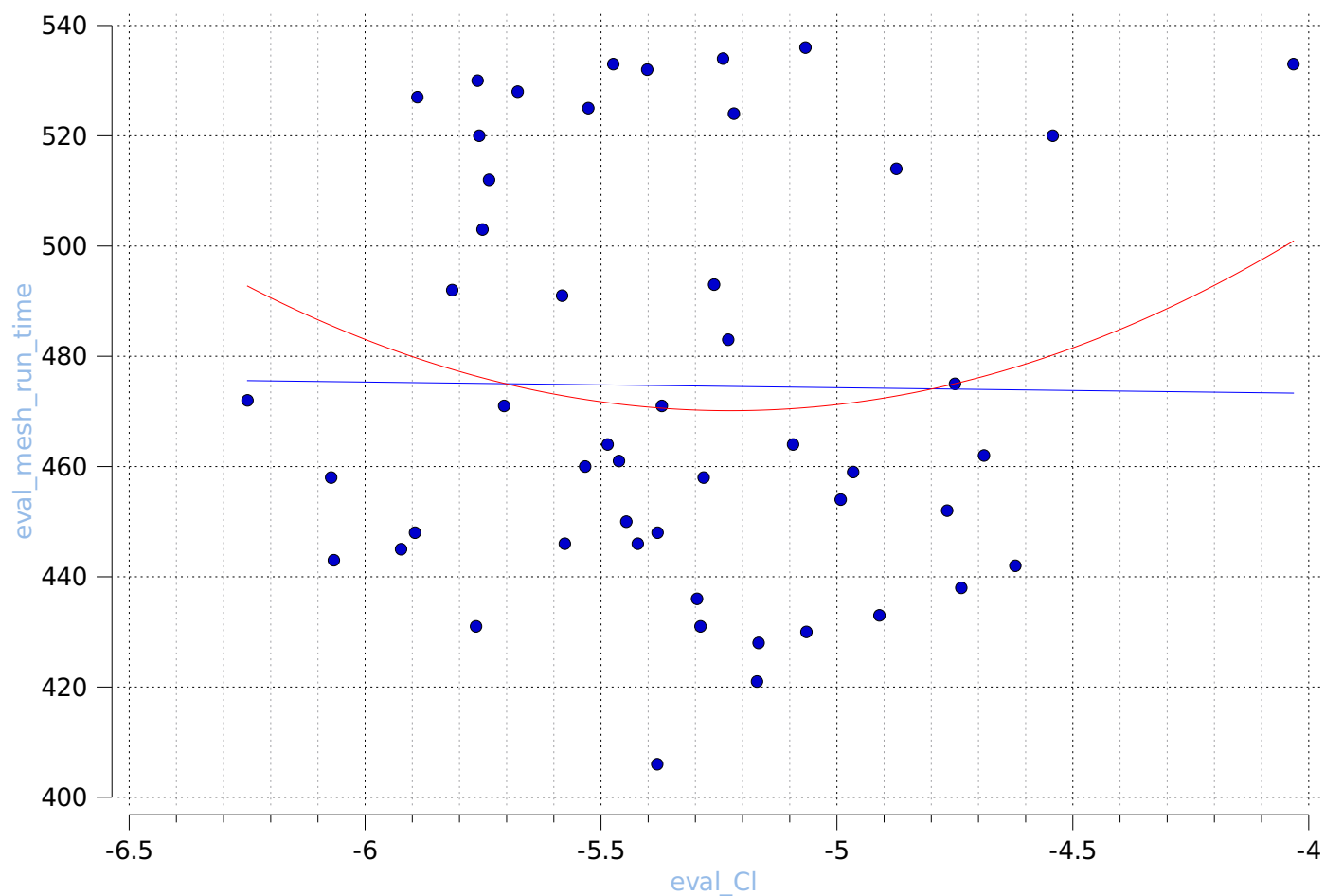
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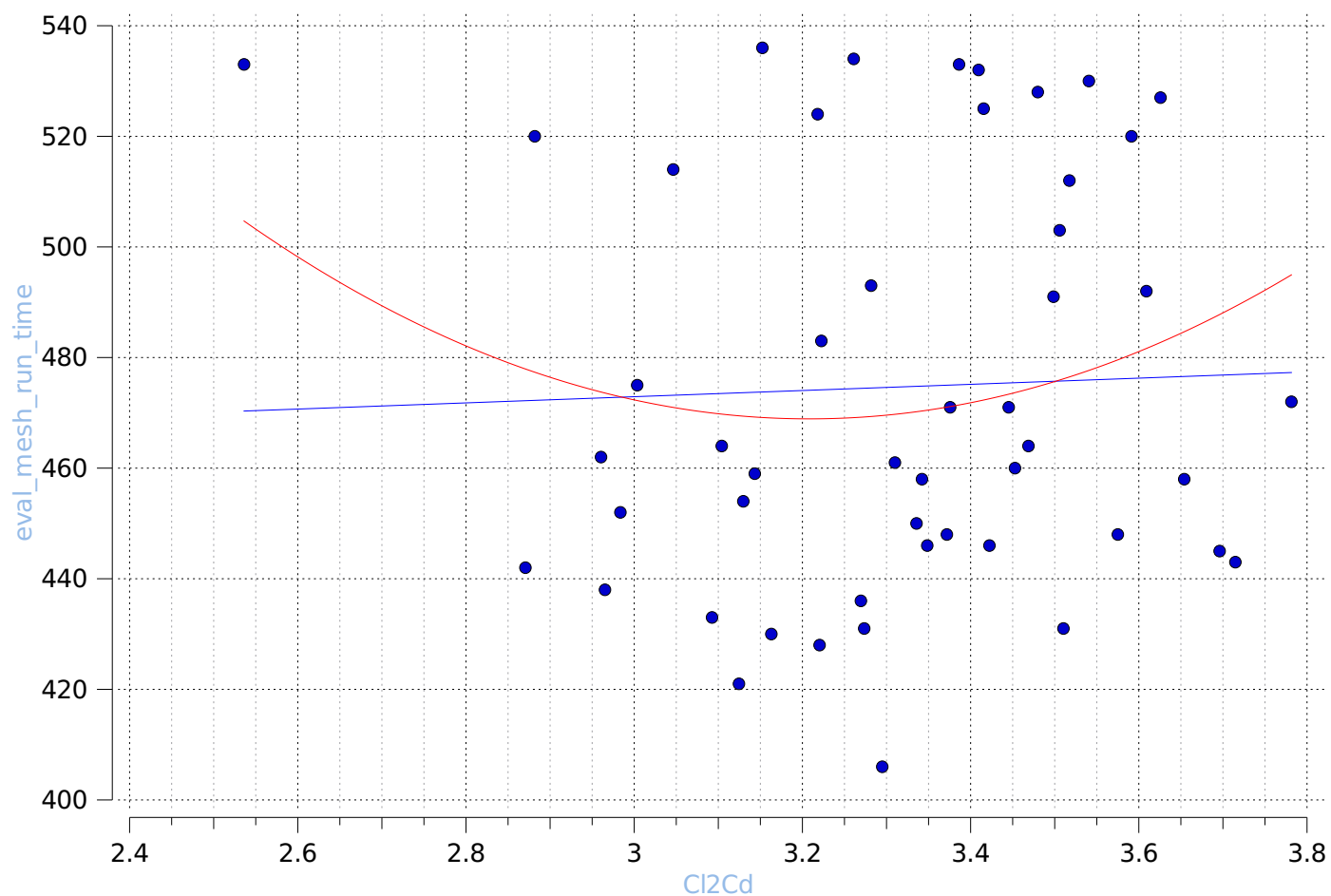
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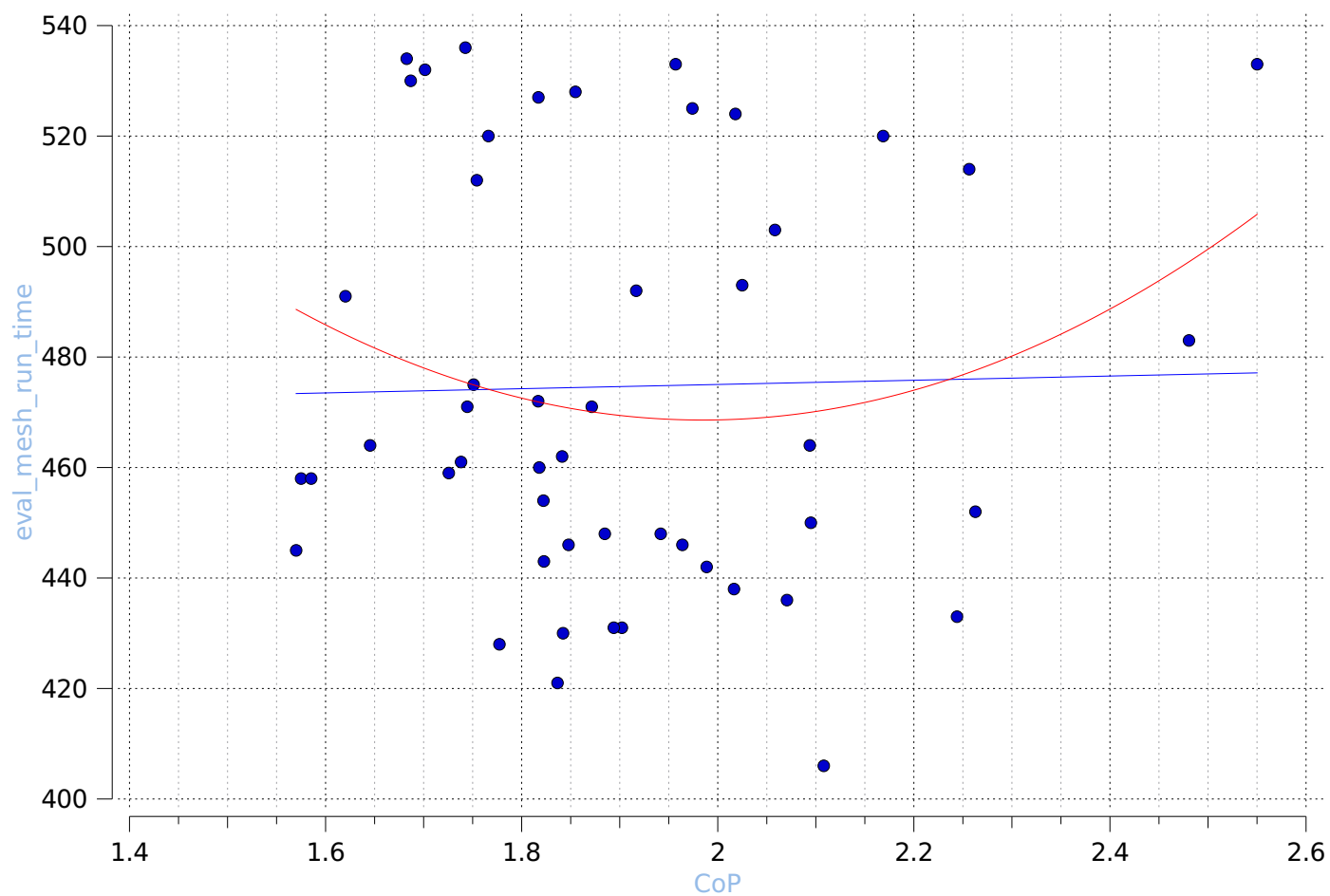
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Parameter |eval_Cl



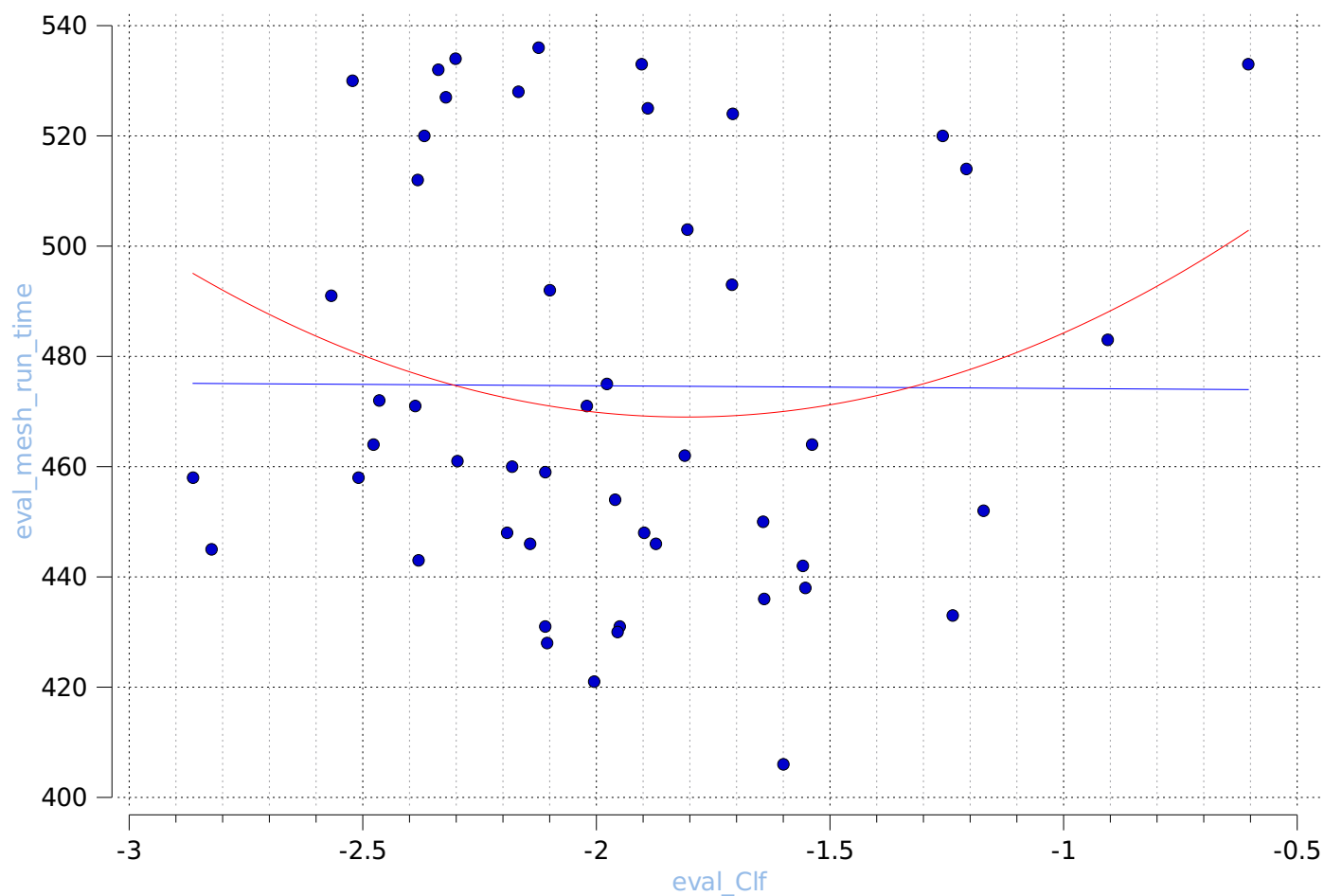
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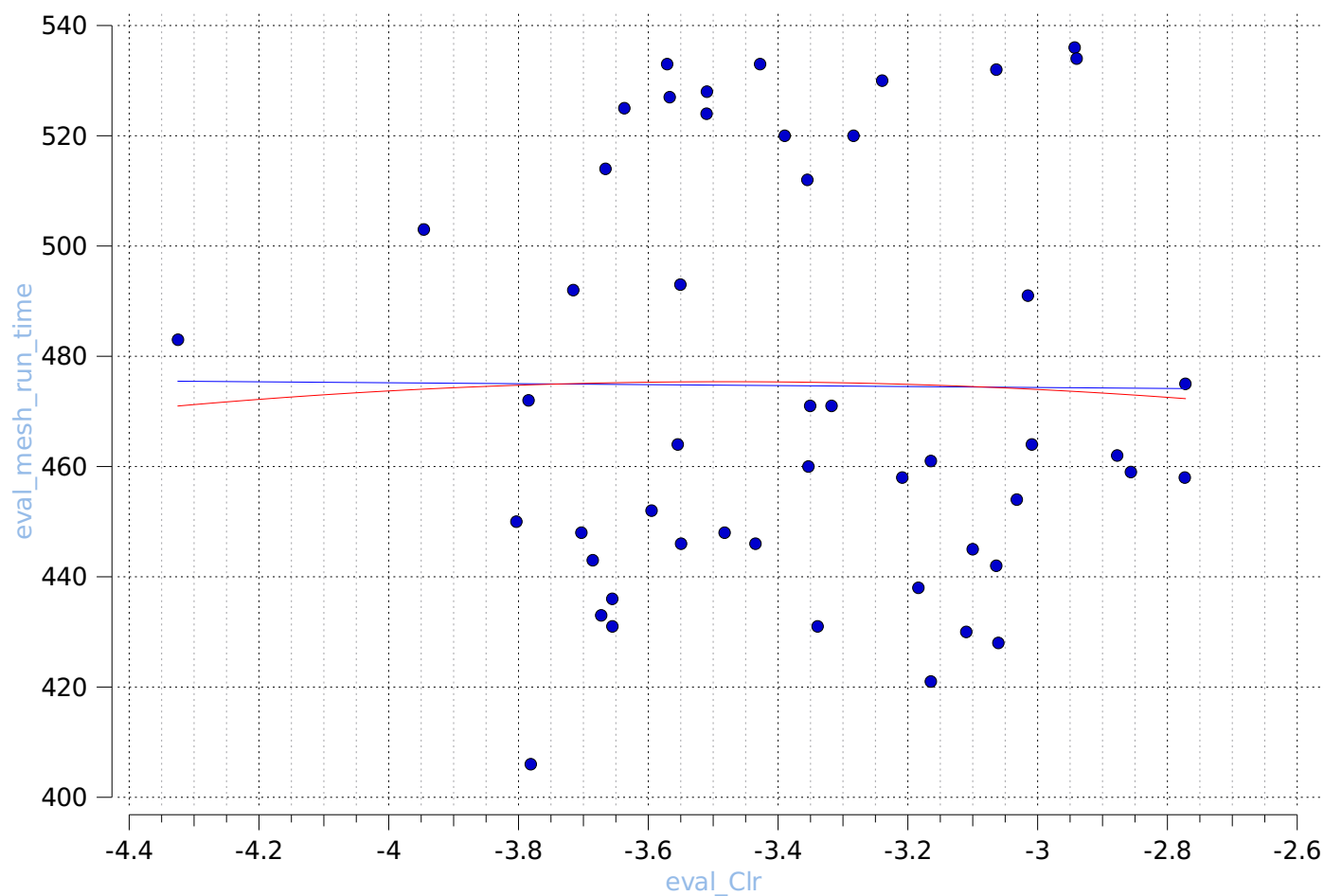
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Parameter |CoP



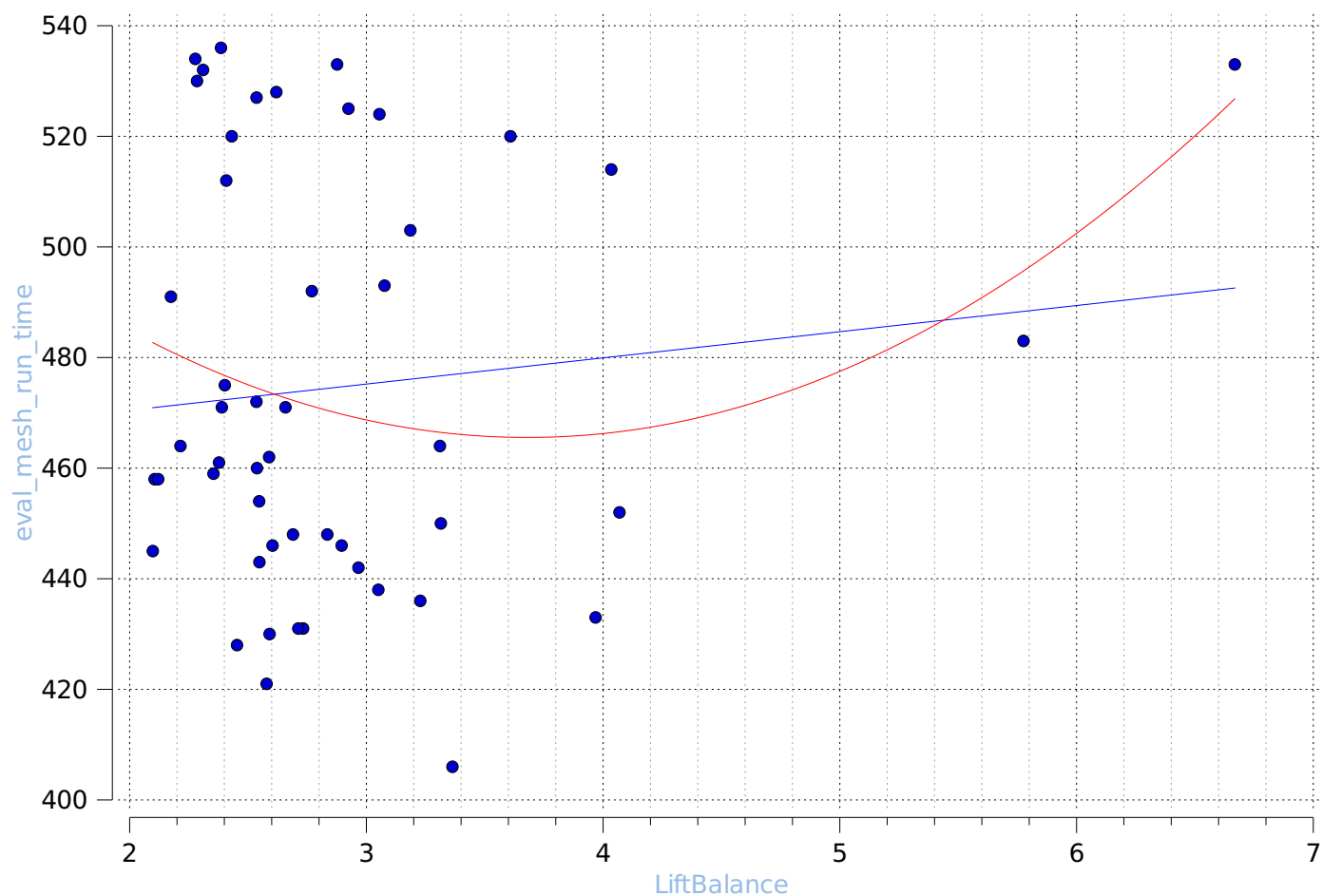
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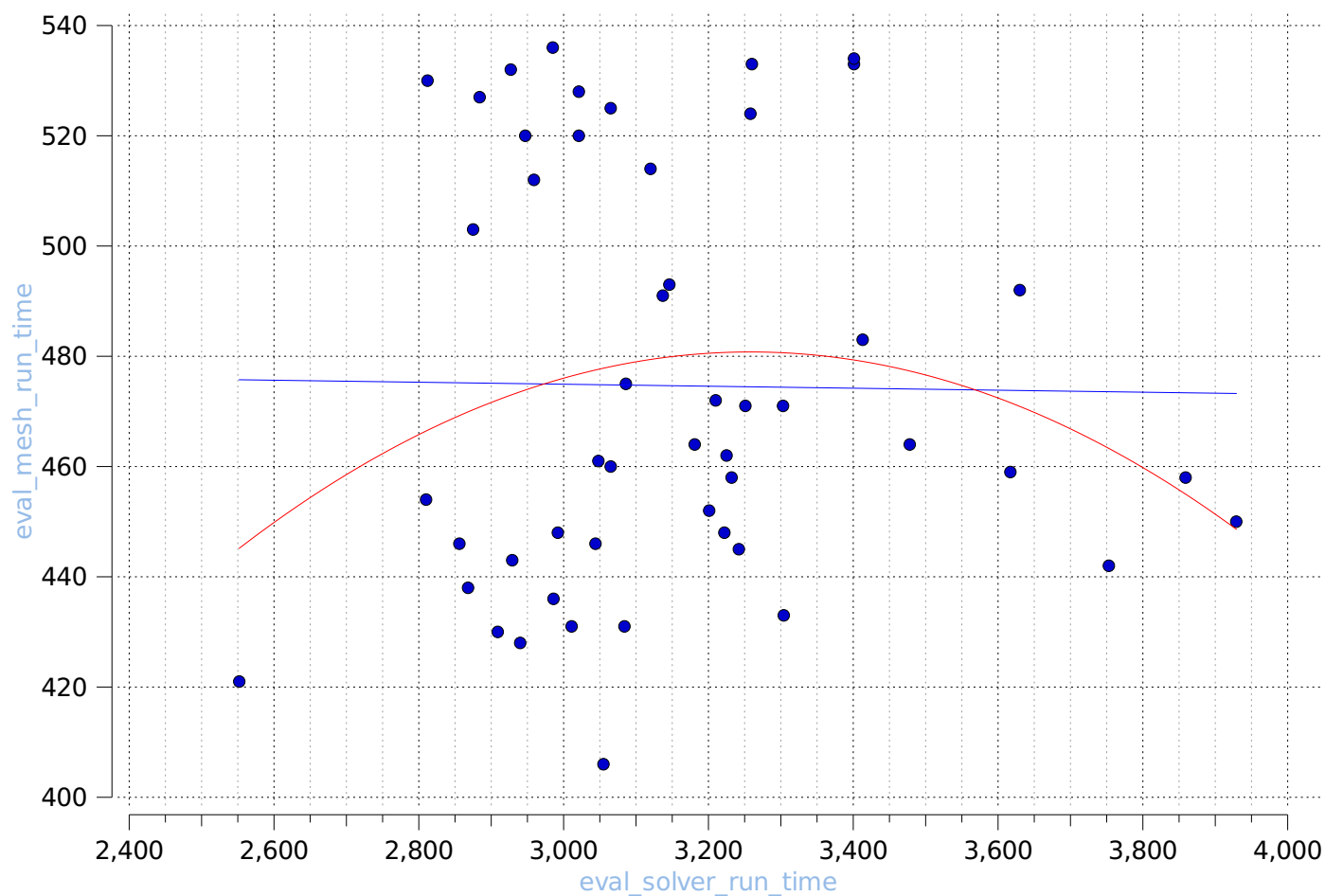
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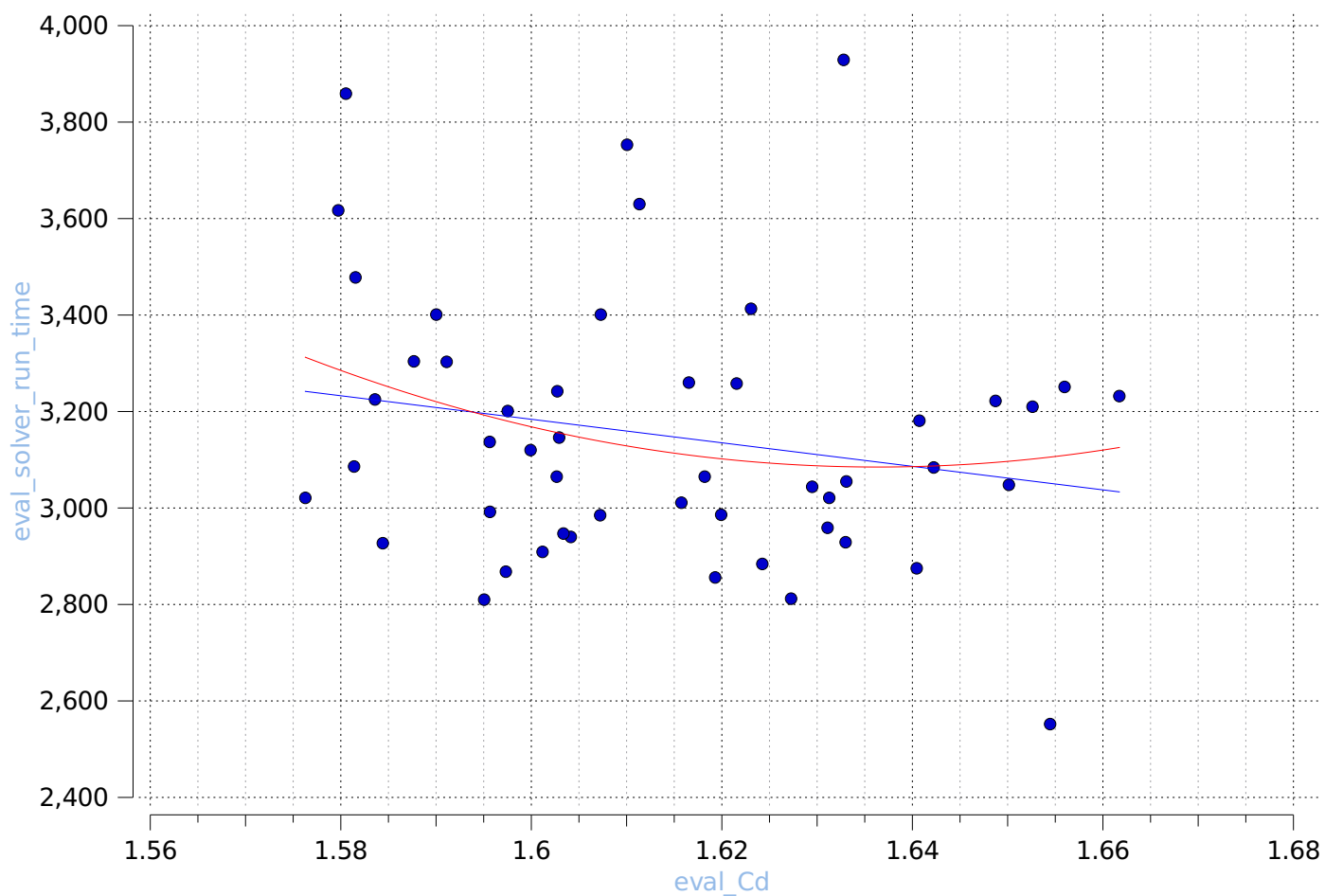
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Parameter |LiftBalance



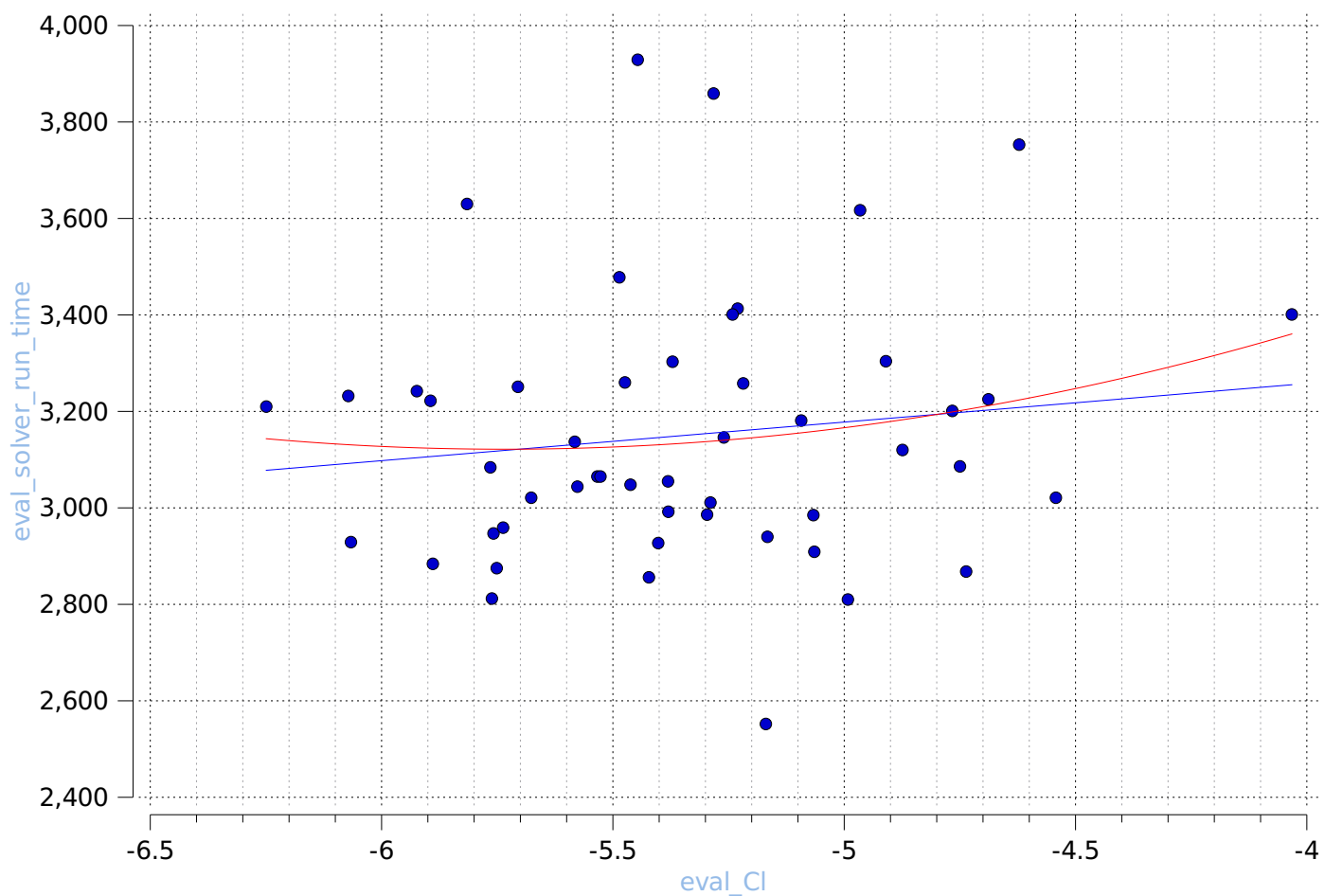
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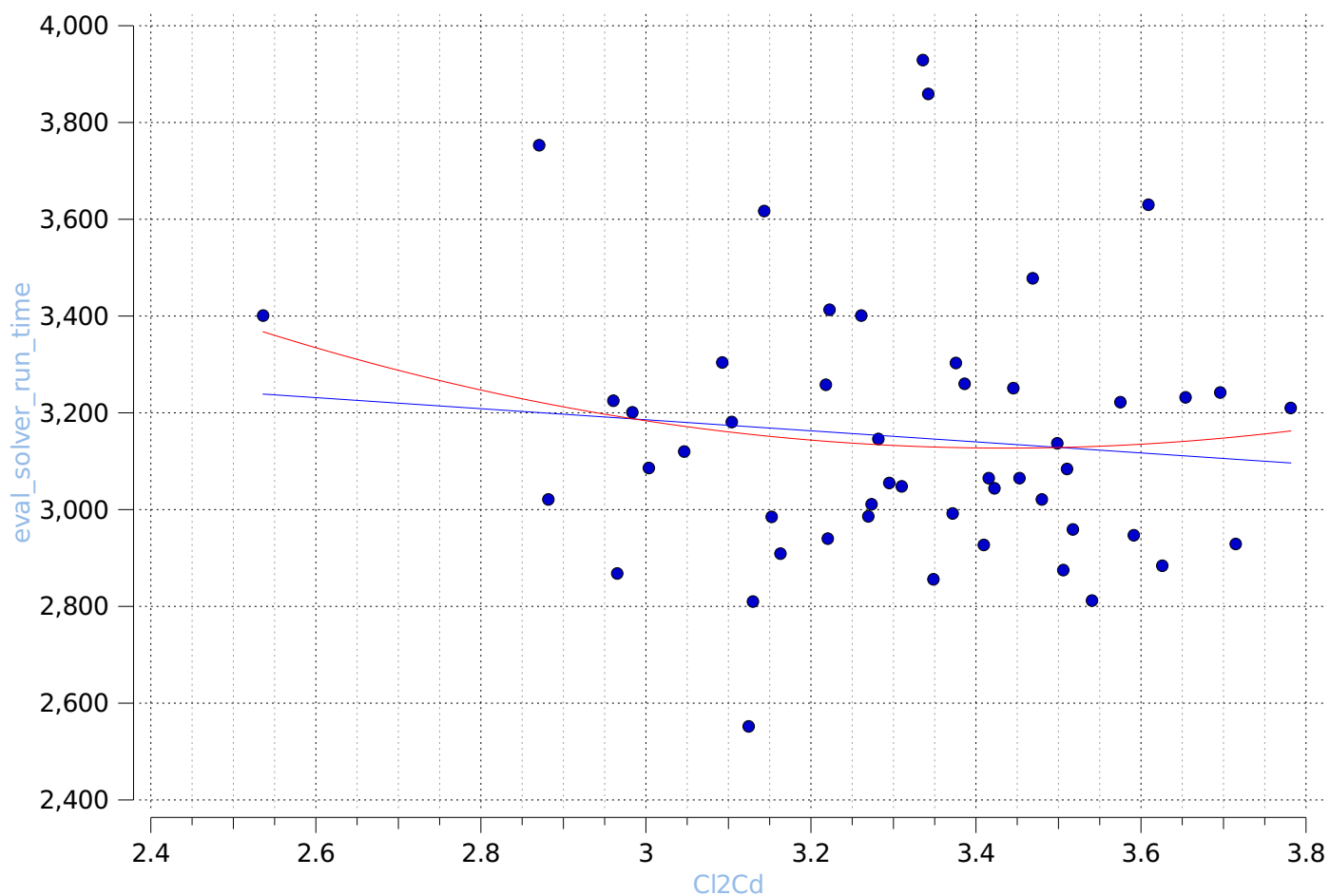
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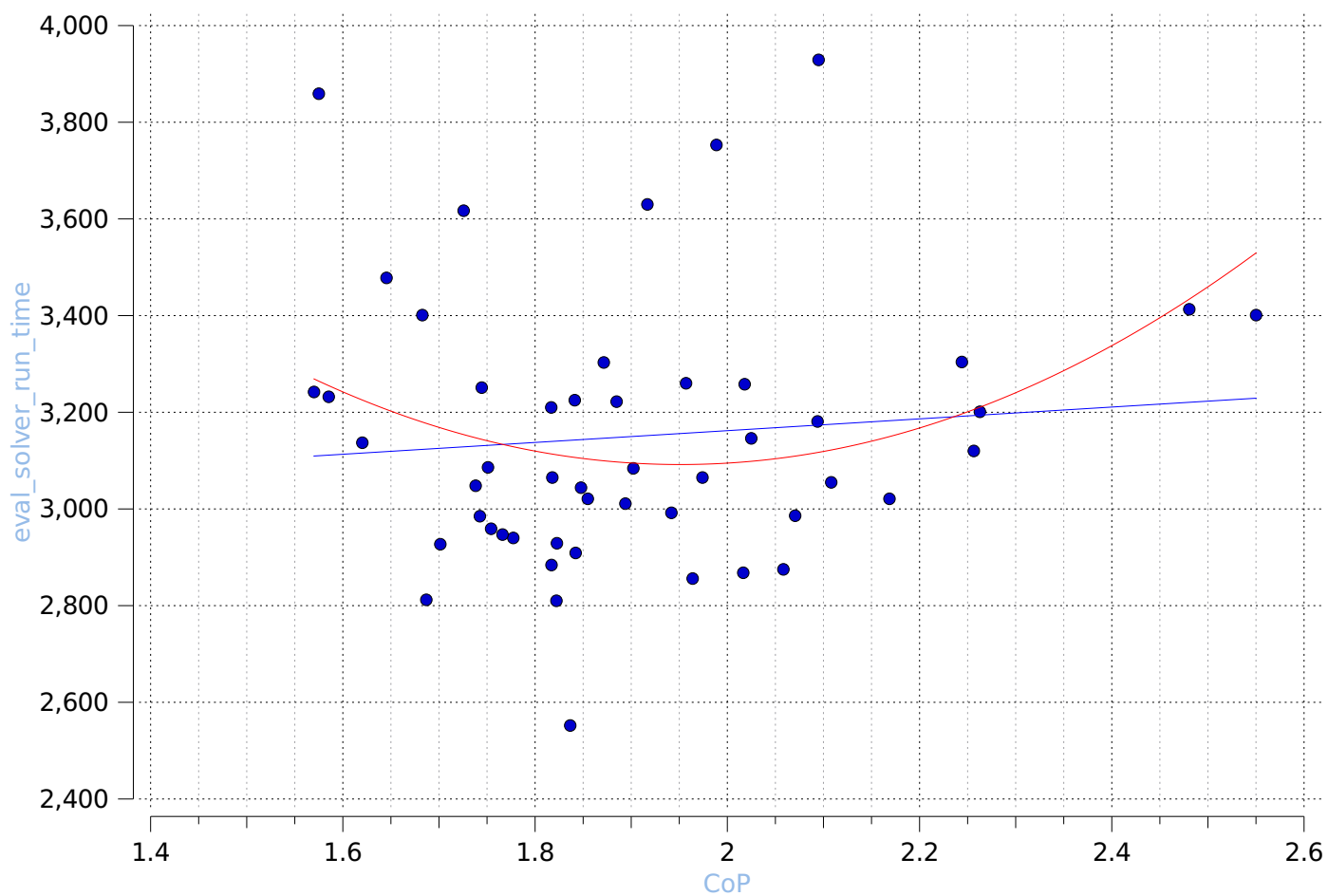
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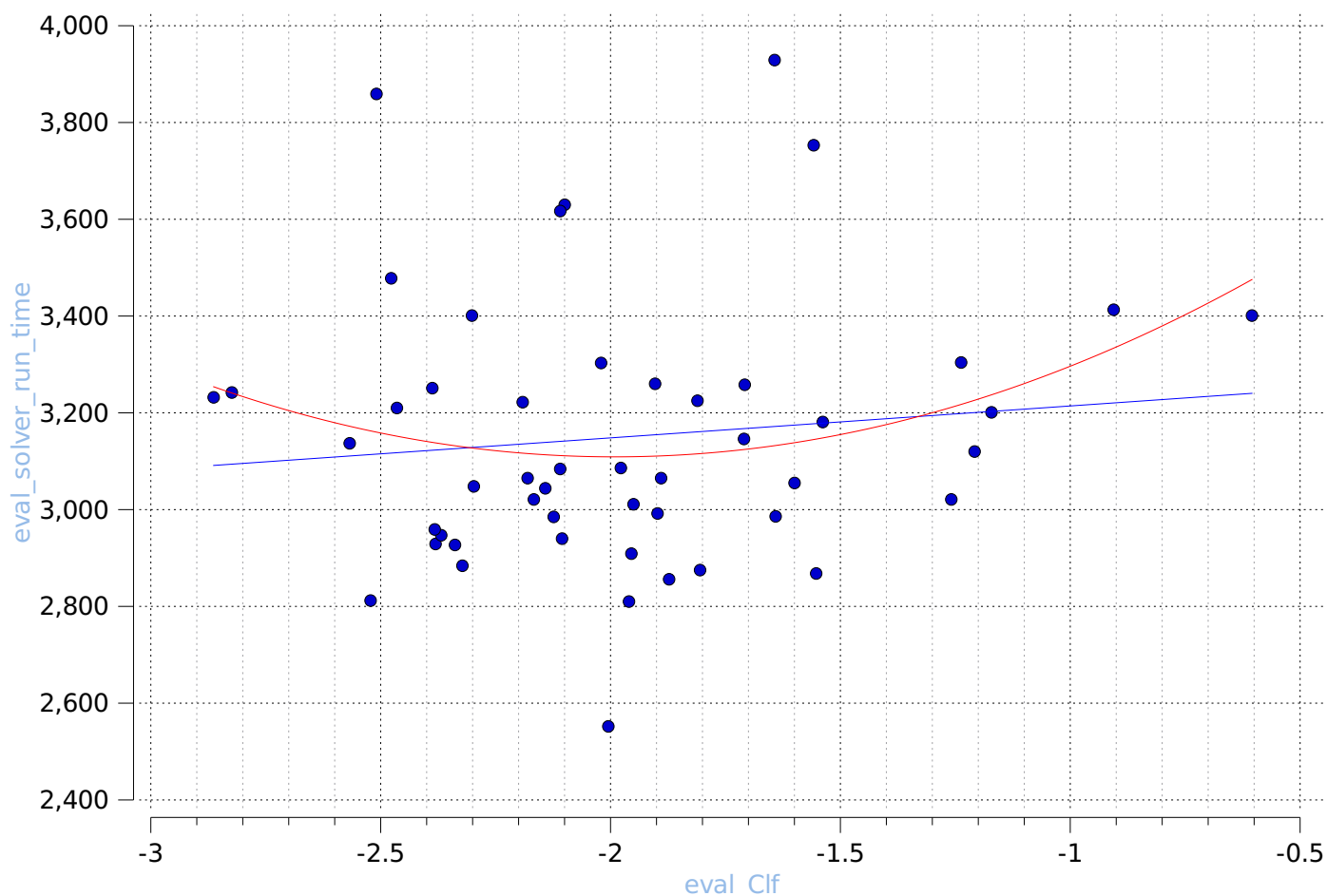
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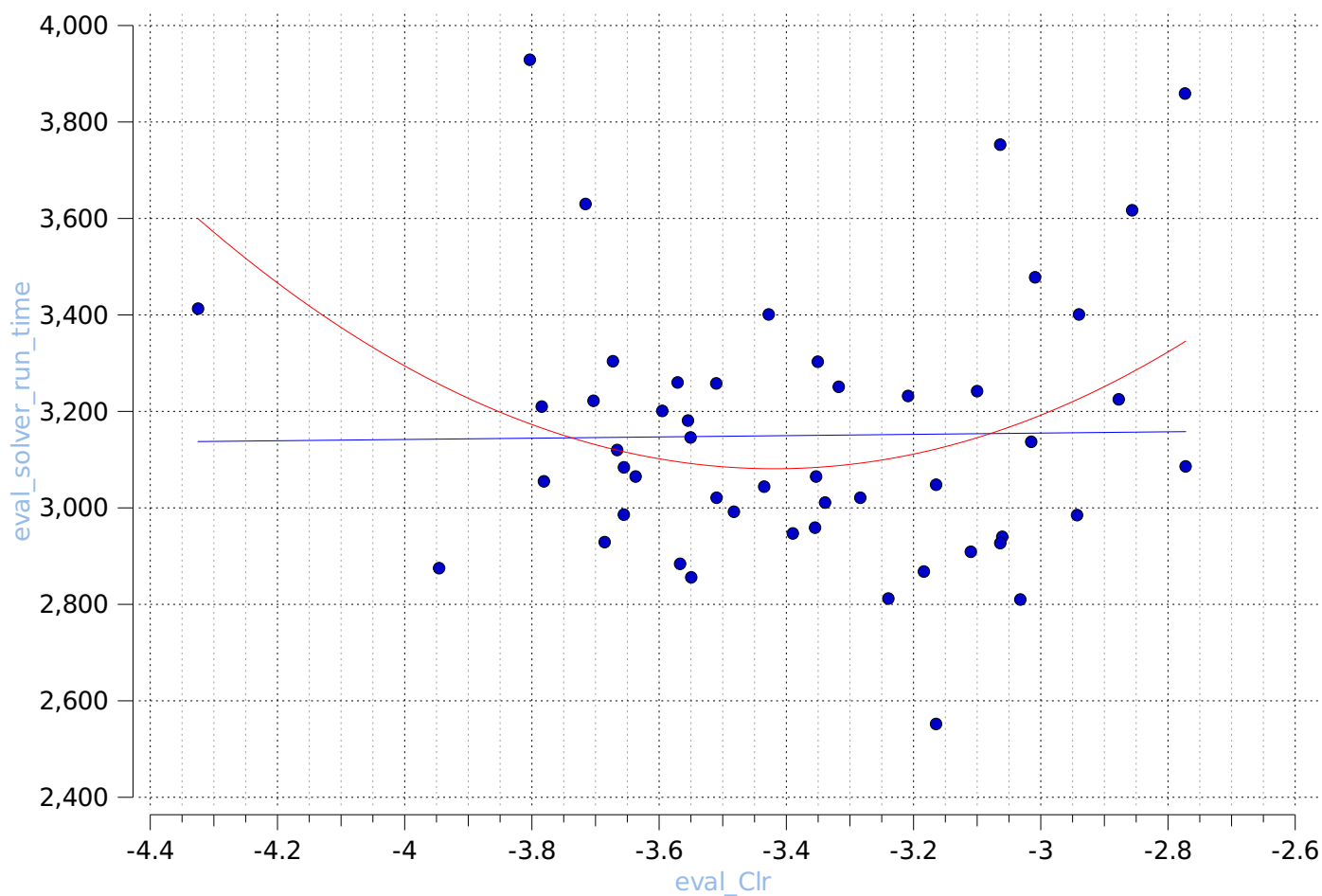
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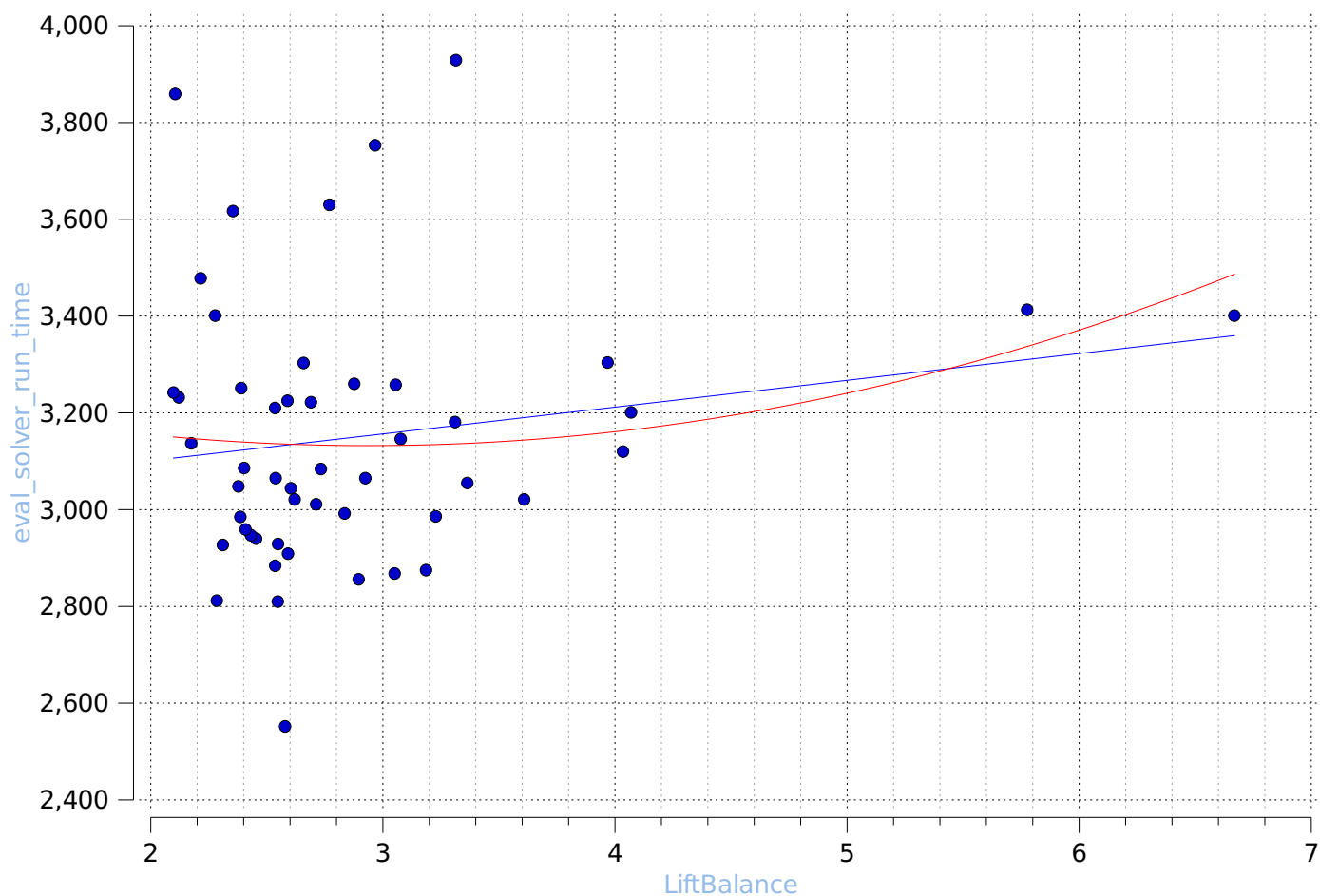
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Parameter |eval_solver_run_time
Parameter |eval_Clr



Parameter |eval_solver_run_time
Parameter |LiftBalance



Parameter |eval_solver_run_time
Parameter |eval_mesh_run_time

