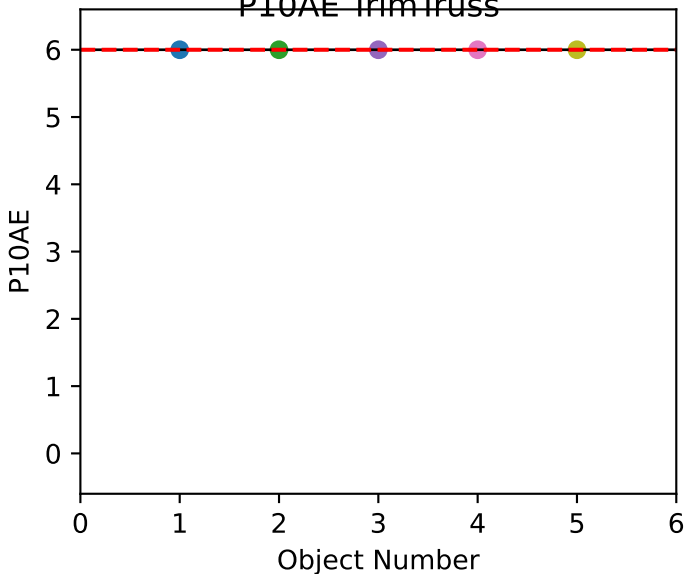


Phenotype Data Analysis Plots
PhenoData day range = 10 - 52
Analysis cutoff day = 52
NC11 P10
2025-05-23 (Day 53)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0 ~0% avg2=na

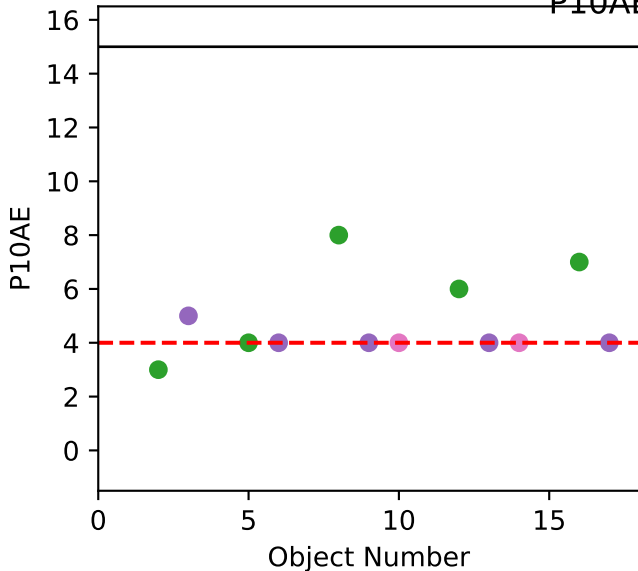
P10AE Trim Truss



FruitNumAvgPerTruss (Def=15 Set=4)

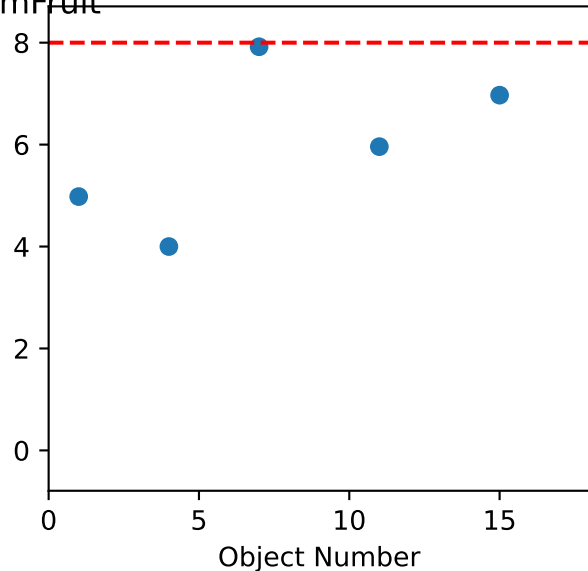
avg1=4.0~28% avg2=na

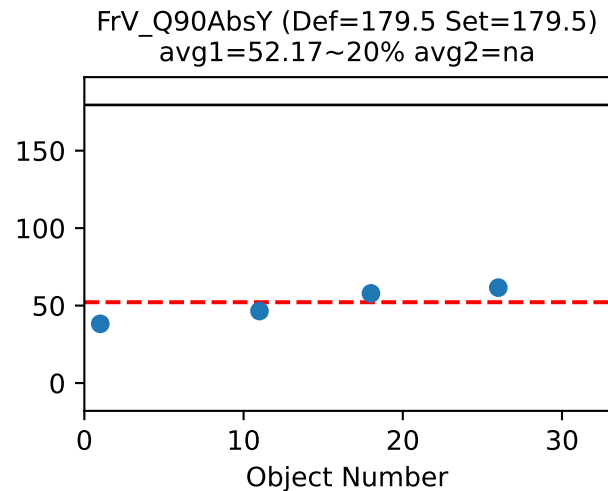
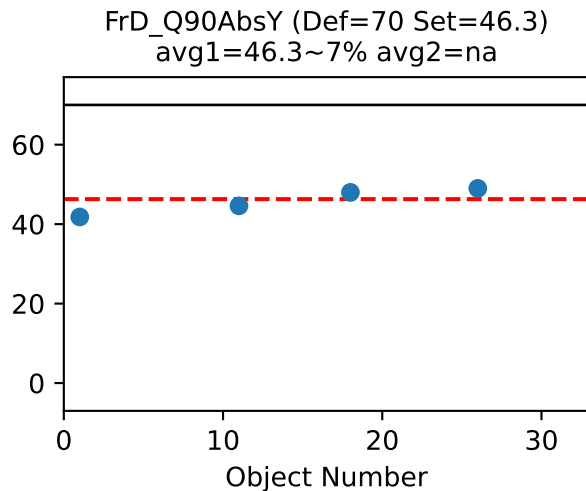
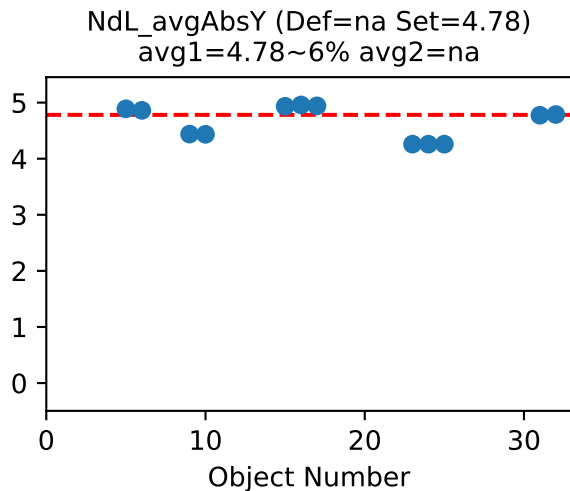
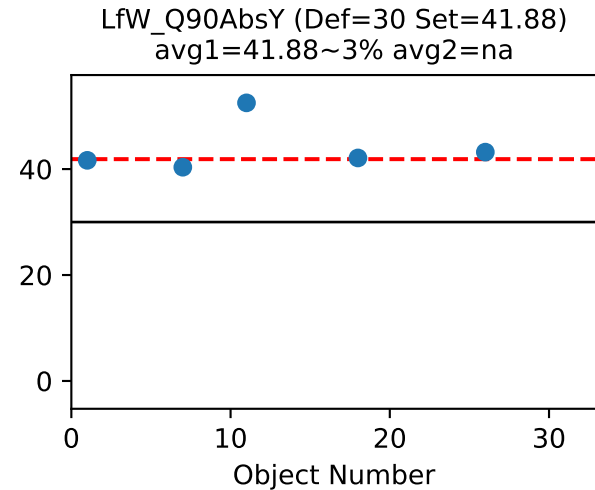
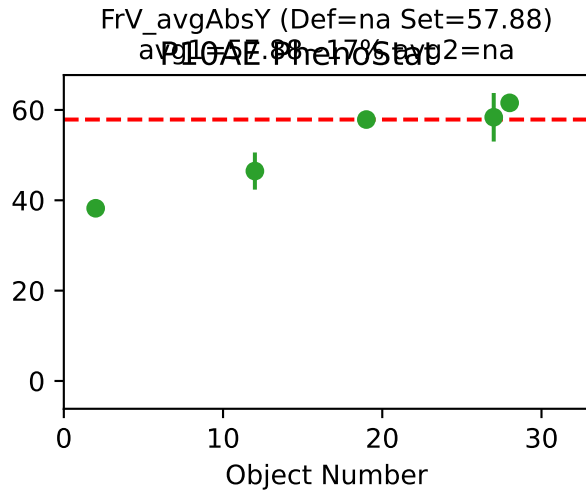
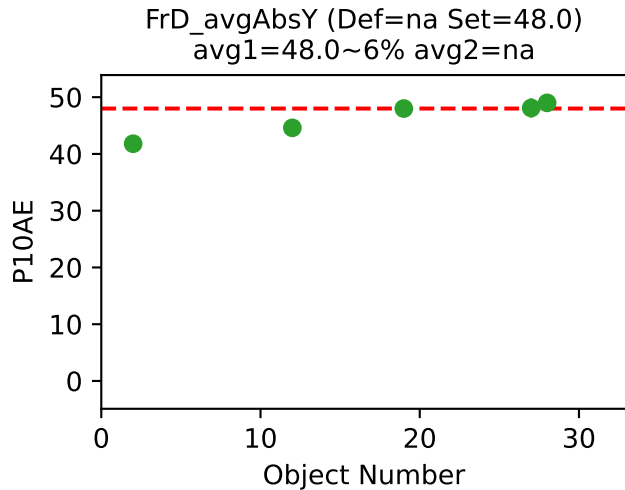
P10AE TrimFruit



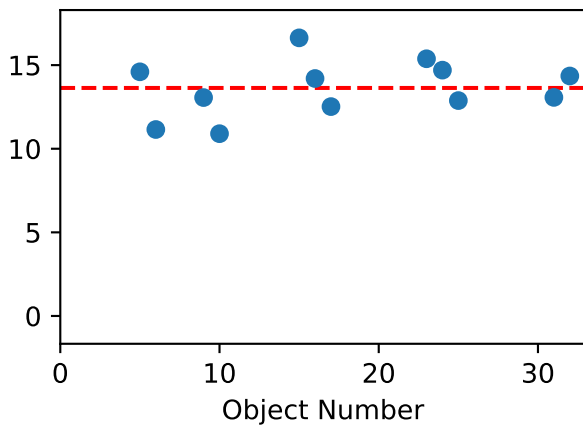
FruitNumMaxPerTruss (Def=na Set=8)

avg1=8.0~21% avg2=na

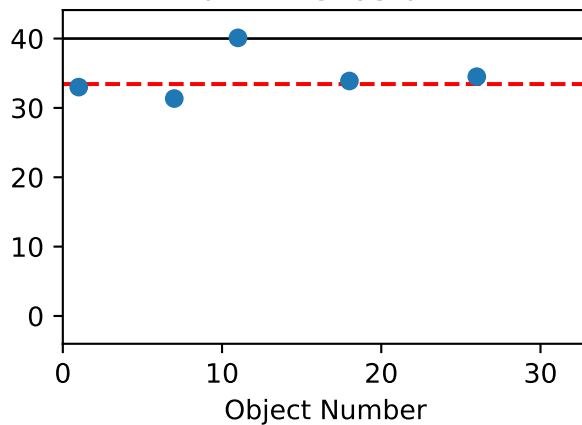




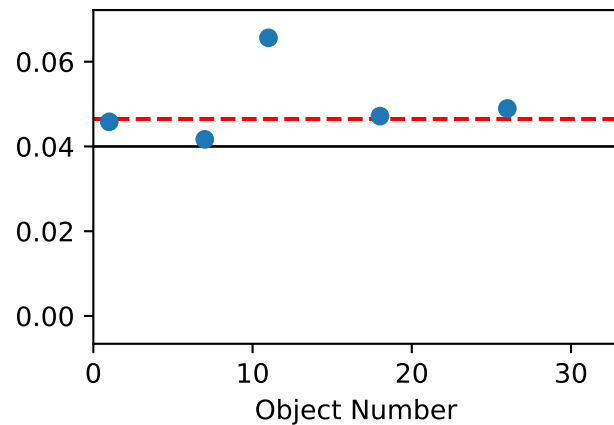
NdD_avgAbsY (Def=na Set=13.63)
avg1=13.63~12% avg2=na



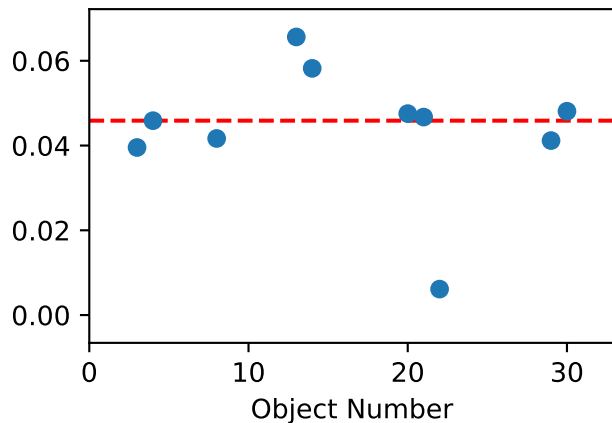
LfL_Q90AbsY (Def=40 Set=33.44)
avg1=33.44~18% avg2=na



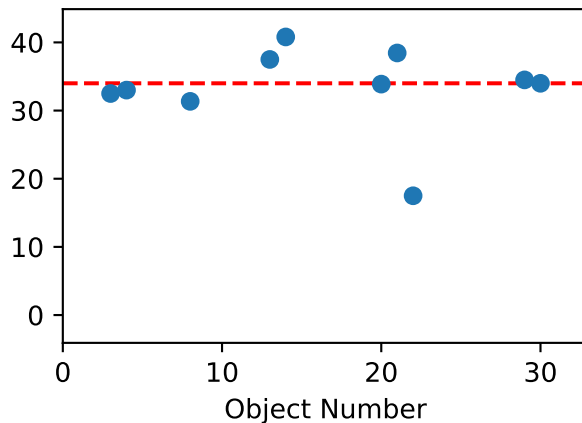
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.05~7% avg2=na



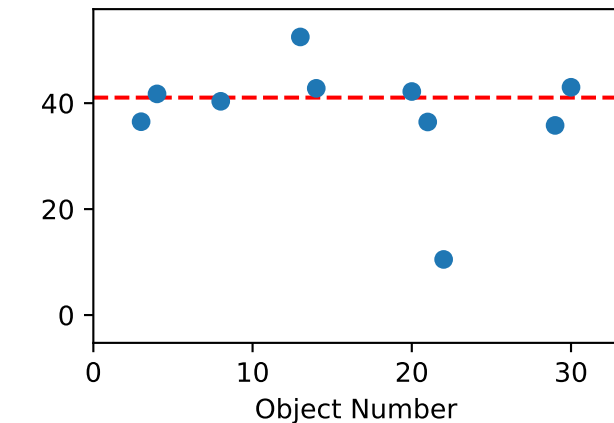
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~8% avg2=na



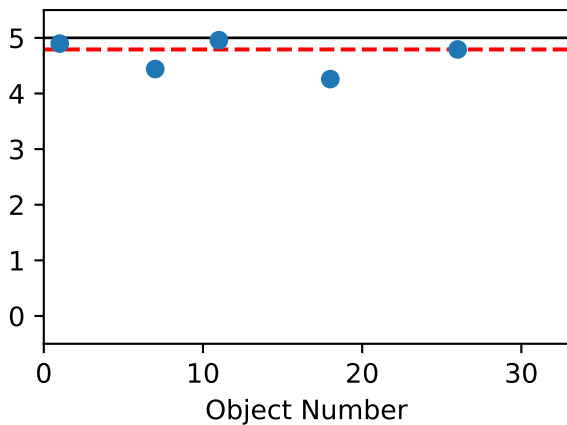
LfL_avgAbsY (Def=na Set=34.0)
avg1=34.0~9% avg2=na



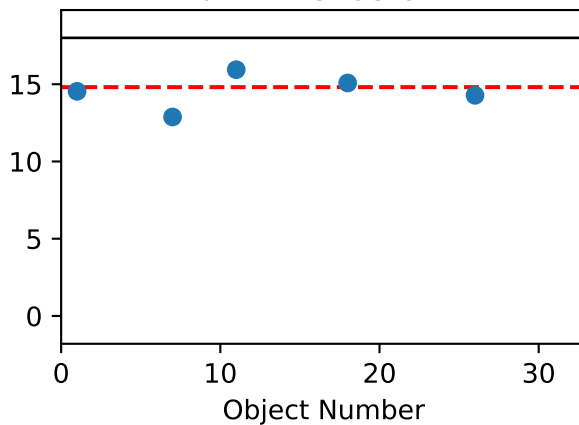
LfW_avgAbsY (Def=na Set=41.05)
avg1=41.05~8% avg2=na



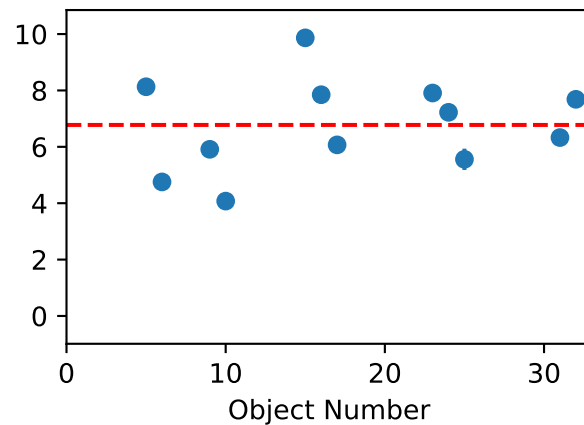
NdL_Q90AbsY (Def=5 Set=4.79)
avg1=4.79~6% avg2=na



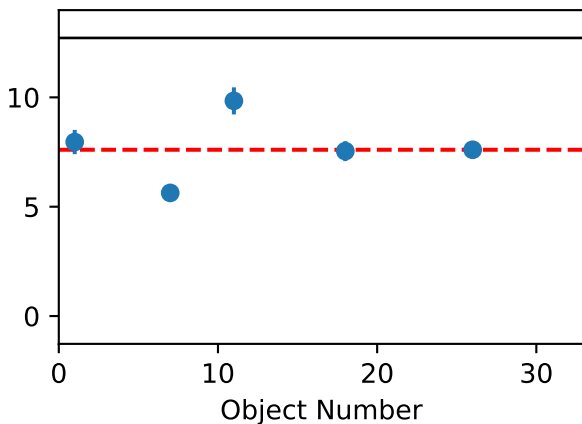
NdD_Q90AbsY (Def=18 Set=14.81)
avg1=14.81~5% avg2=na



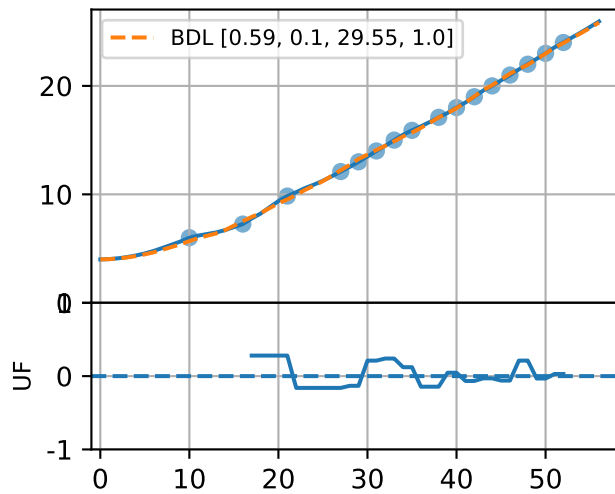
NdV_avgAbsY (Def=na Set=6.78)
avg1=6.78~24% avg2=na



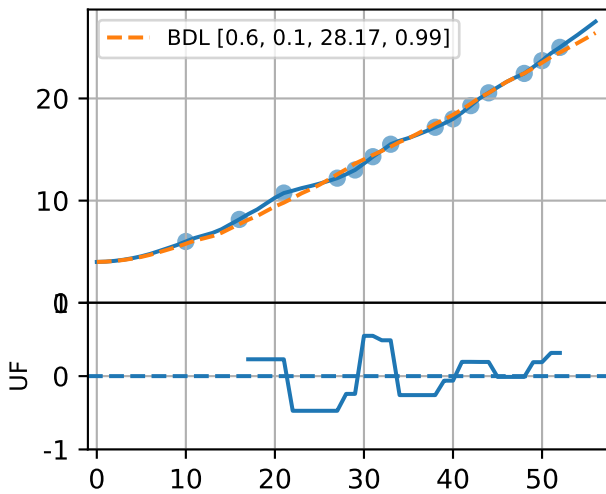
NdV_Q90AbsY (Def=12.72 Set=8.76)
avg1=7.6~3% avg2=na



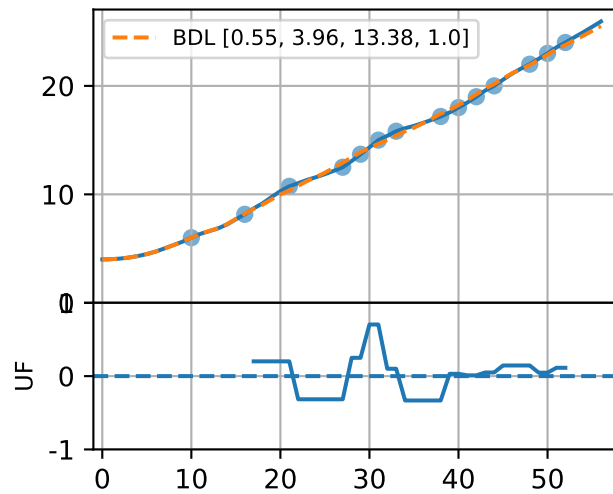
P10AE-063-19 (fit failed)



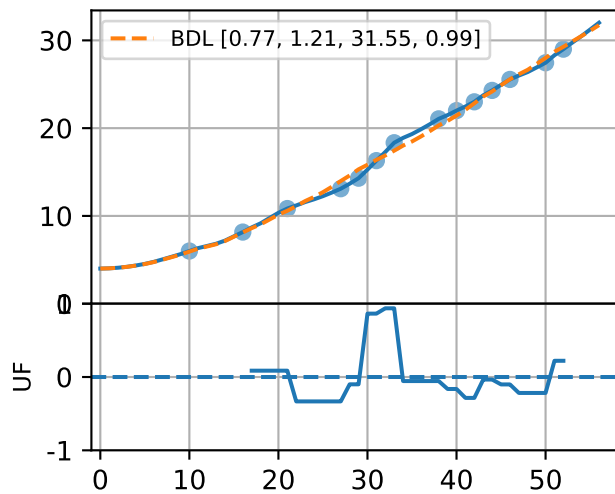
P10AE-076-15 (fit failed)



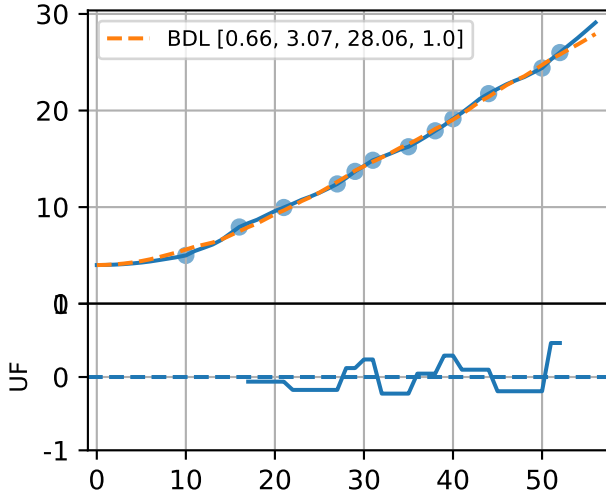
P10AE-089-22 (fit failed)



P10AE-103-17 (fit failed)

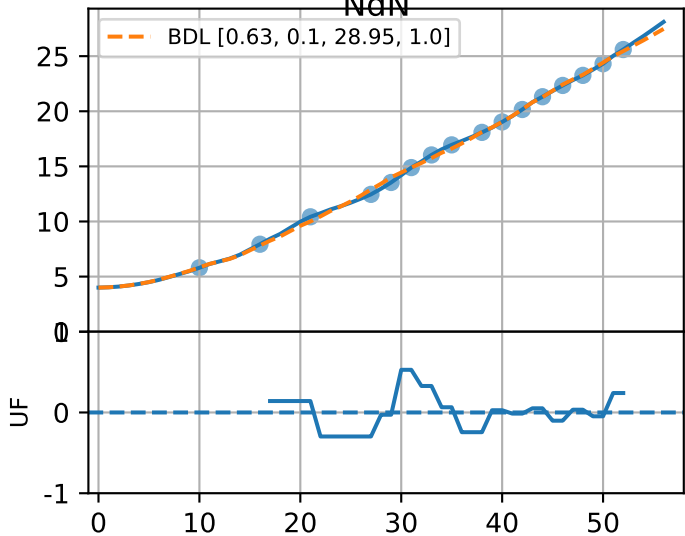


P10AE-116-21 (fit failed)

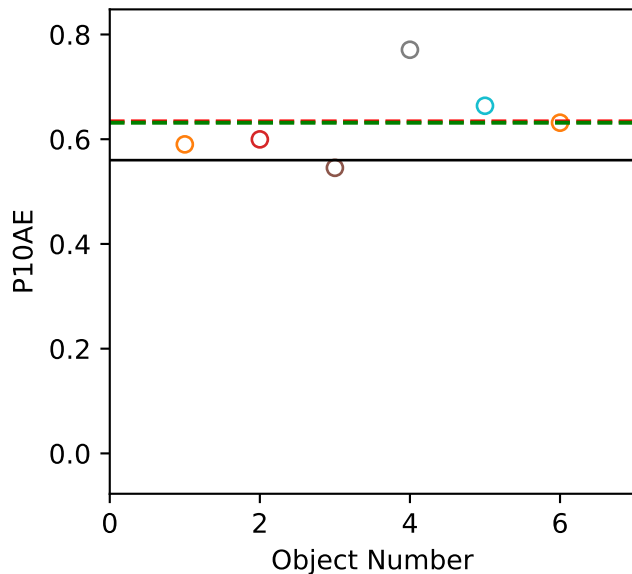


P10AEavg (fit failed)

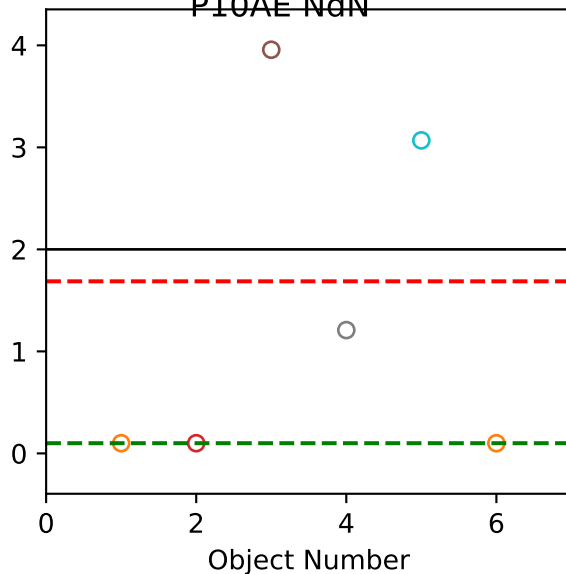
NaN



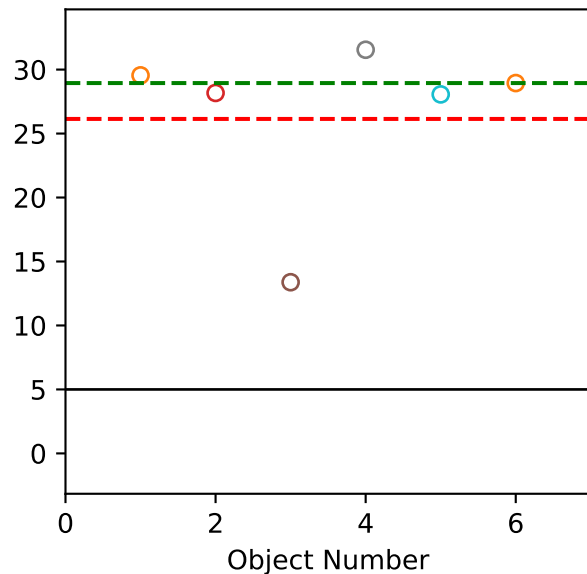
a (Def=0.56 Set=0.63)
avg1=0.63(fail) avg2=0.63



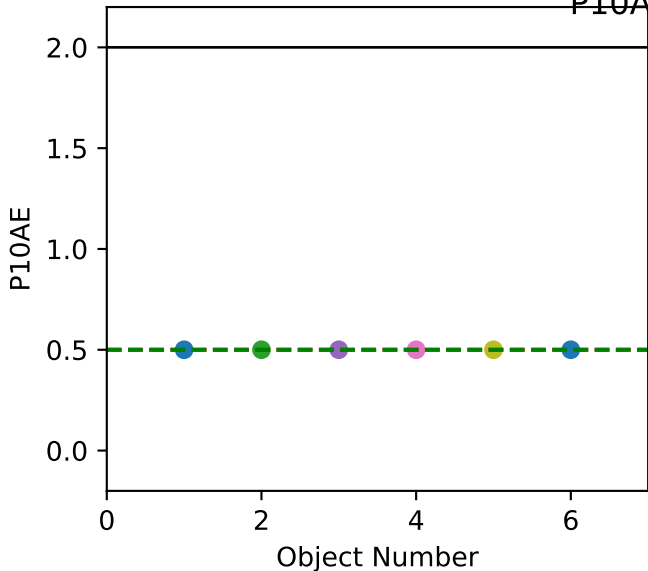
dm (Def=2 Set=0.1)
avg1=1.69(fail) avg2=0.1



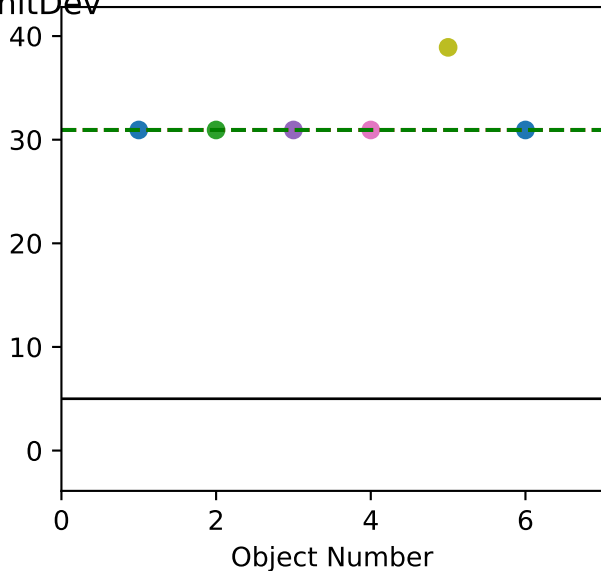
de (Def=5 Set=28.95)
avg1=26.14(fail) avg2=28.95



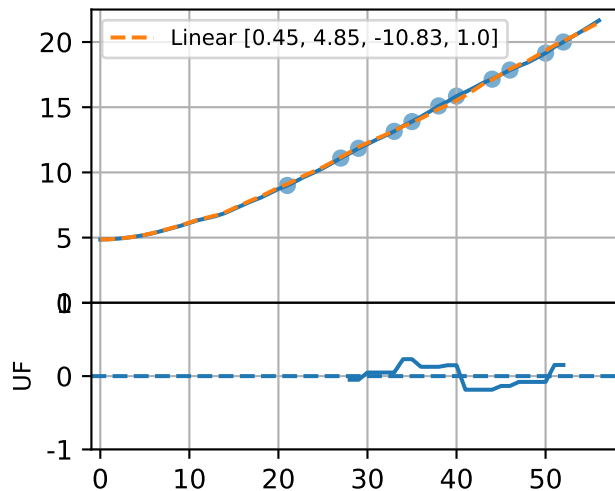
InitDev_dm (Def=2 Set=0.5)
avg1=0.5~0% avg2=0.5



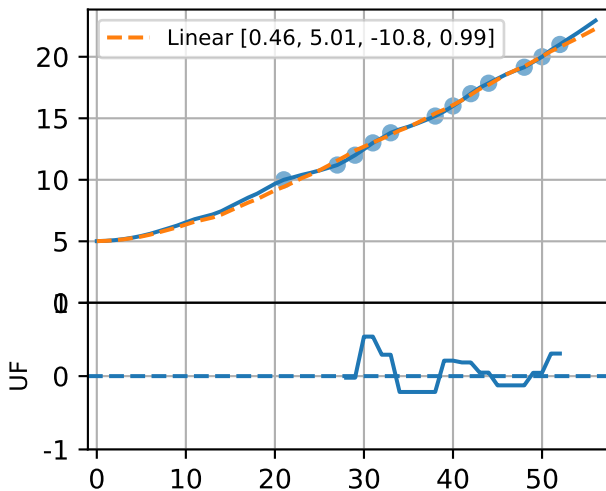
InitDev_de (Def=5 Set=30.94)
avg1=30.94~0% avg2=30.94



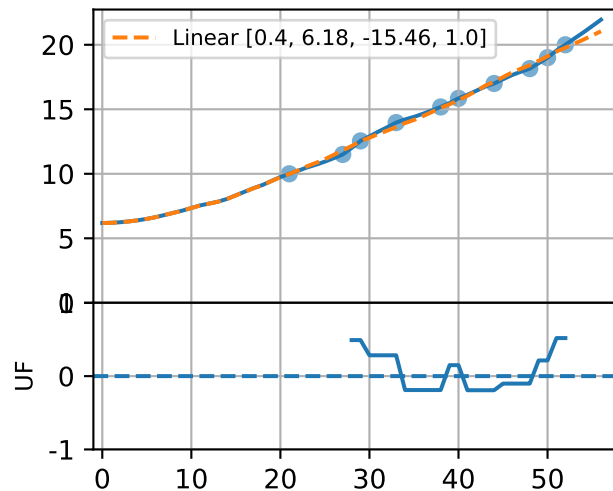
P10AE-063-19



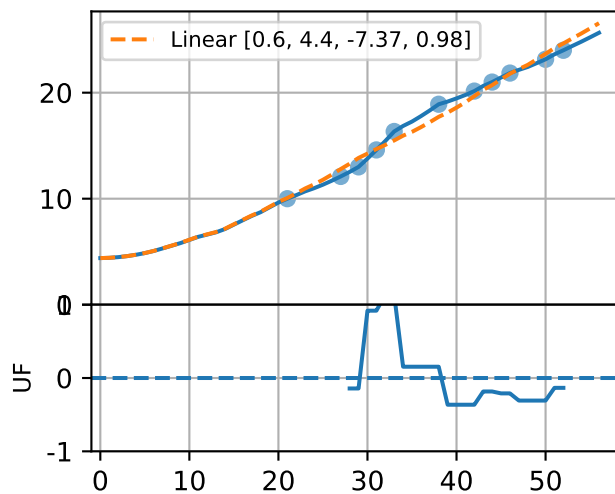
P10AE-076-5



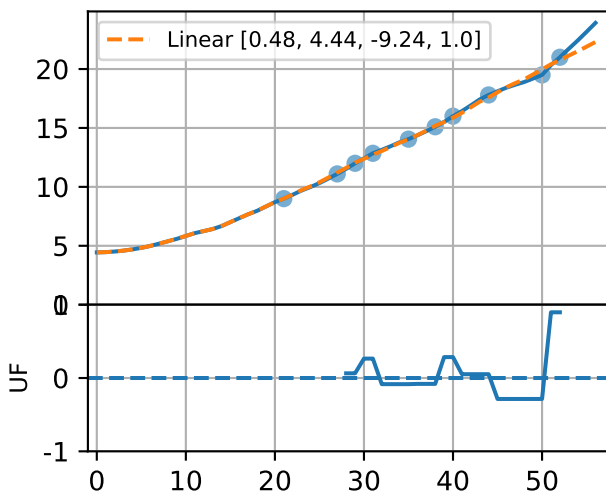
P10AE-089-22



P10AE-103-17

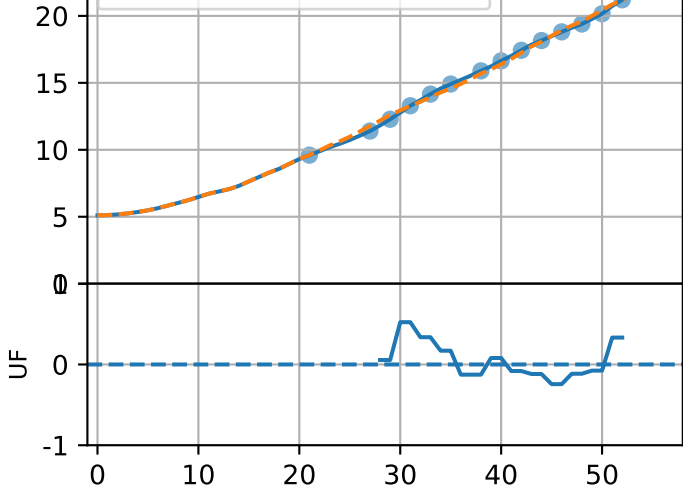


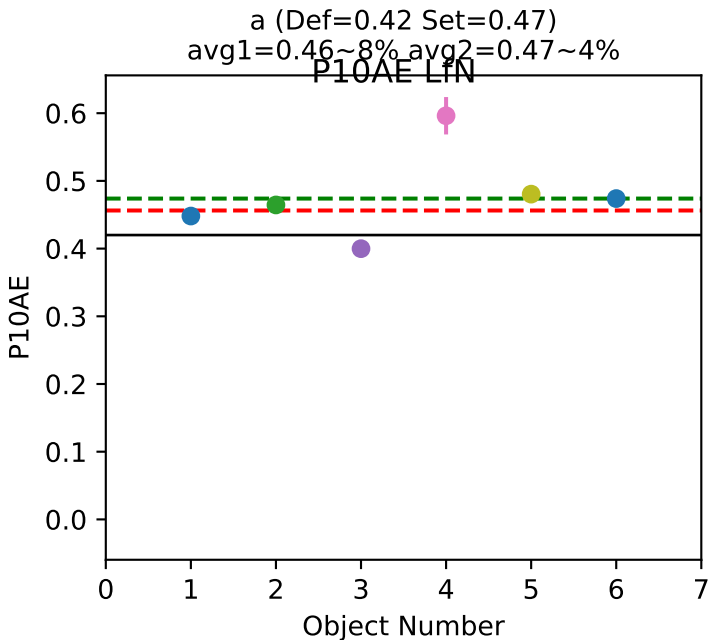
P10AE-116-21



P10AEavg
Lfn

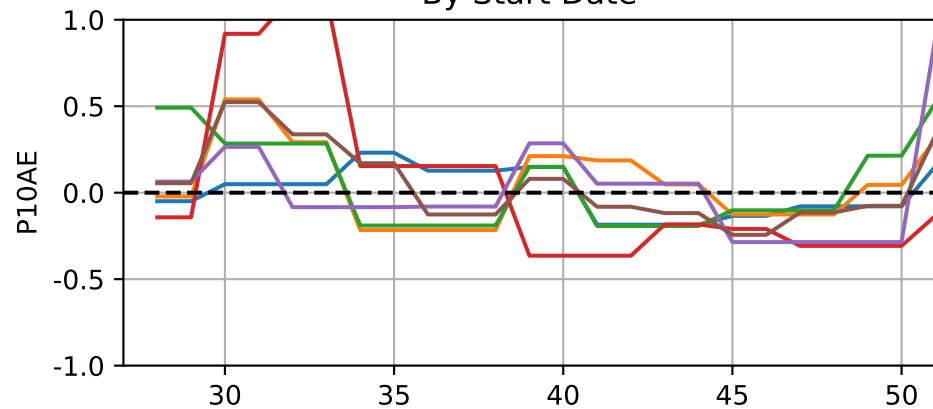
Linear [0.47, 5.1, -10.77, 1.0]



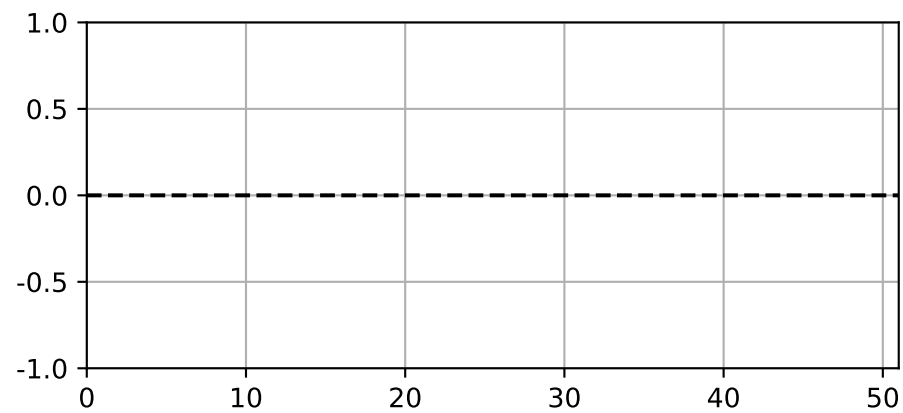
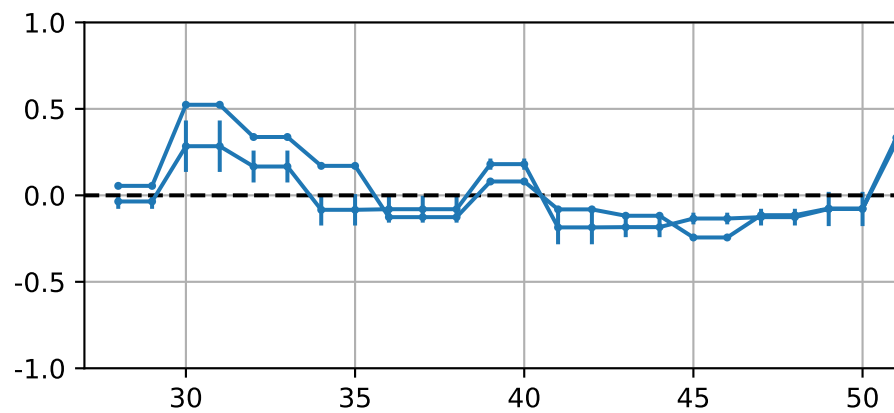
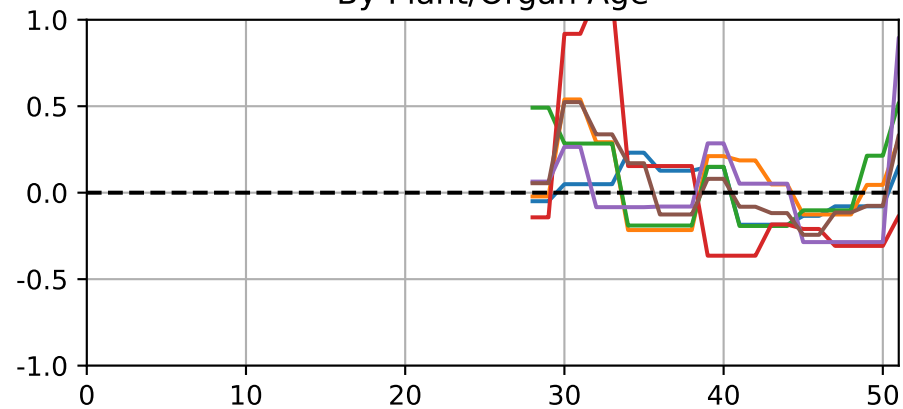


LfN

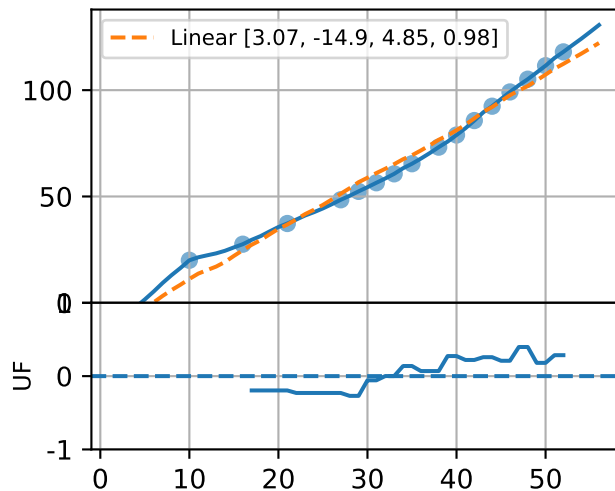
By Start Date



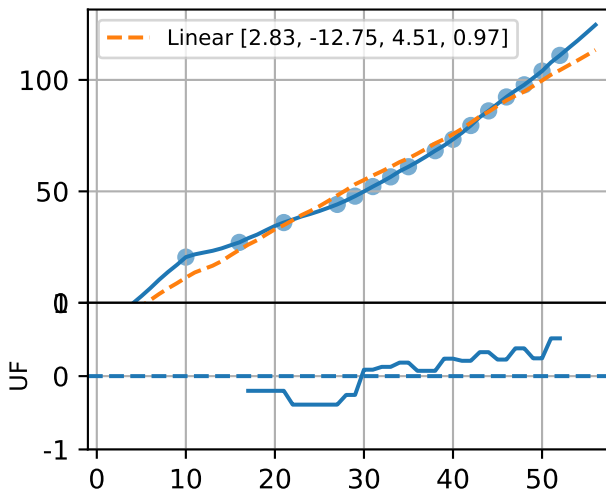
By Plant/Organ Age



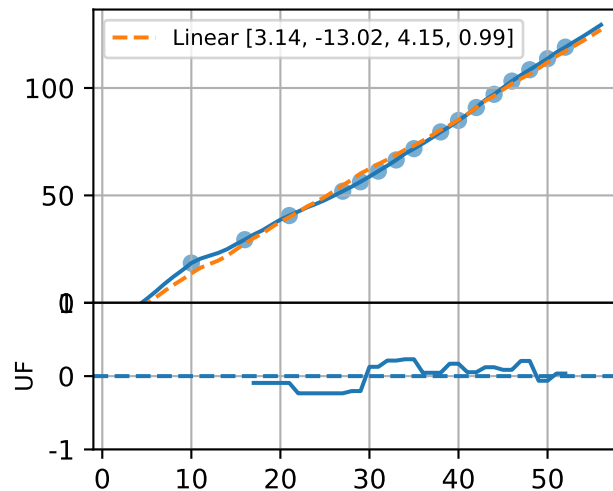
P10AE-063-19



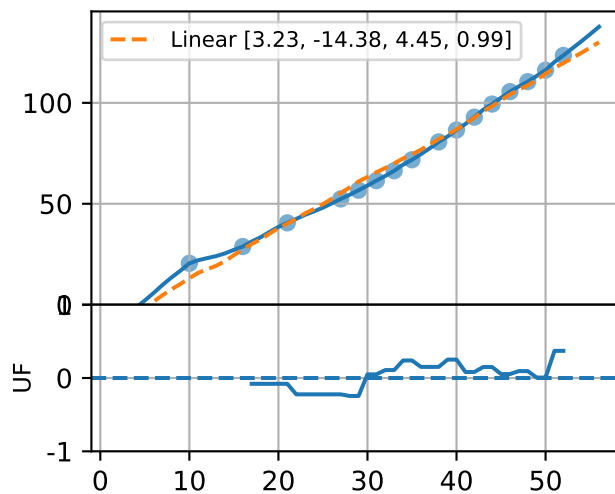
P10AE-076-5



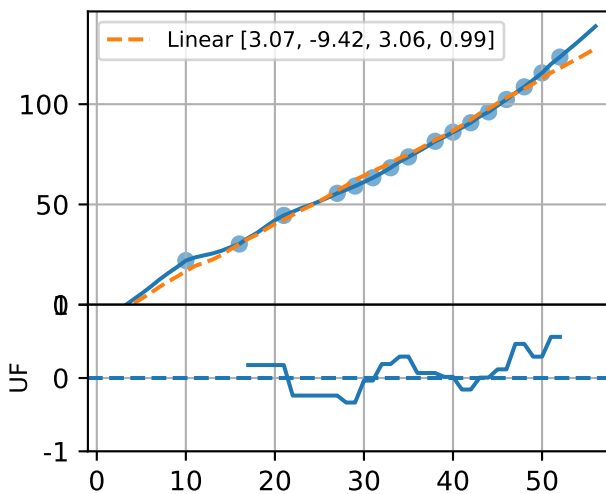
P10AE-089-22

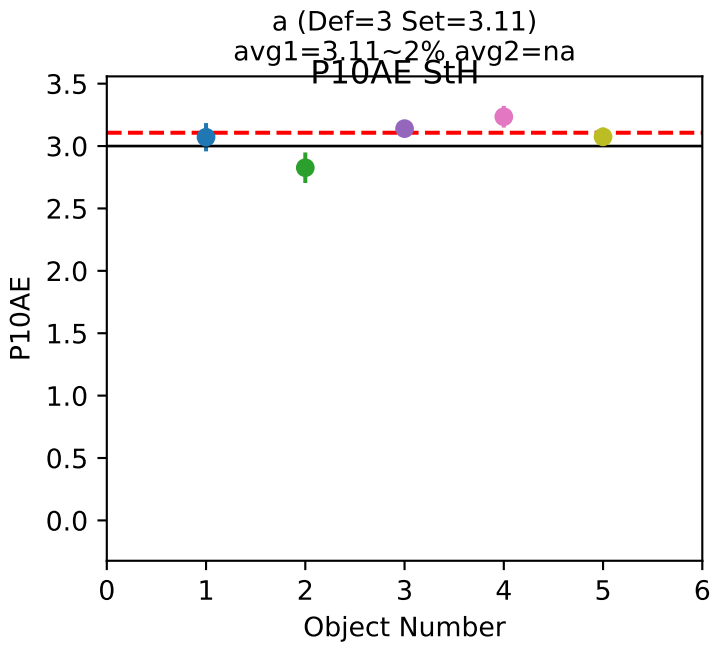


P10AE-103-17



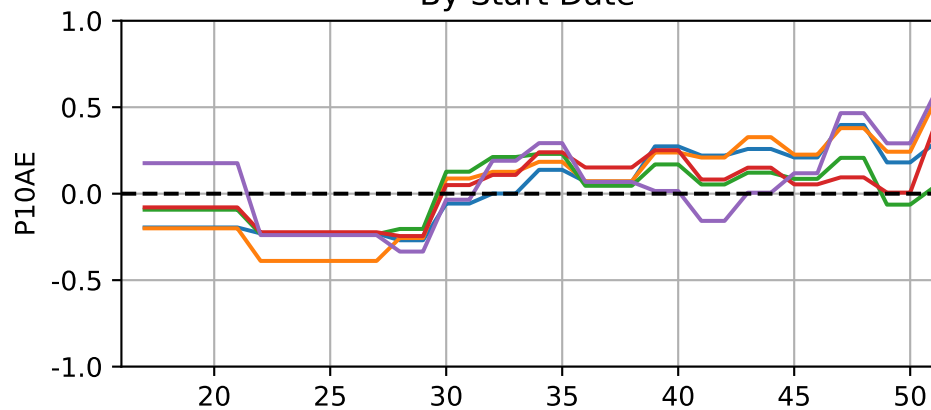
P10AE-116-21



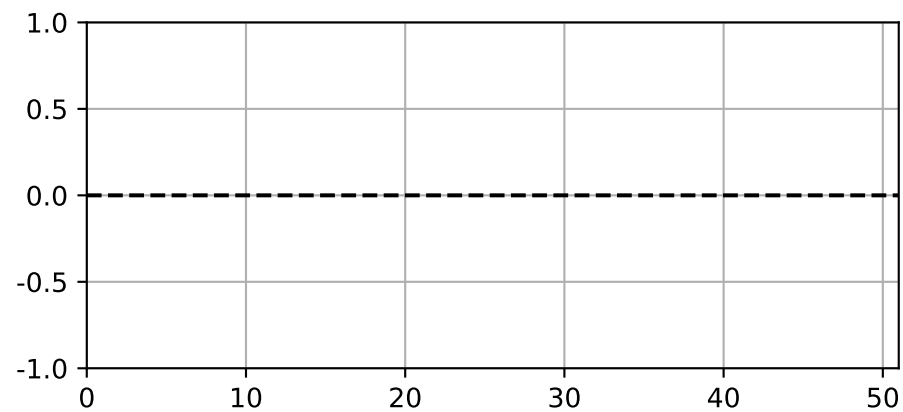
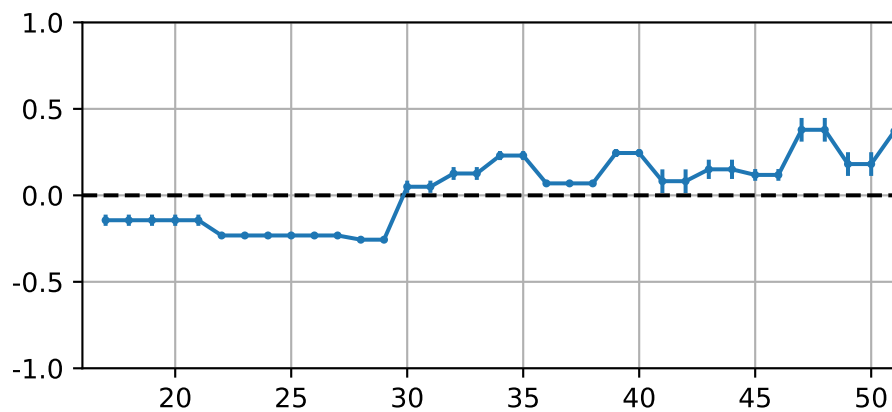
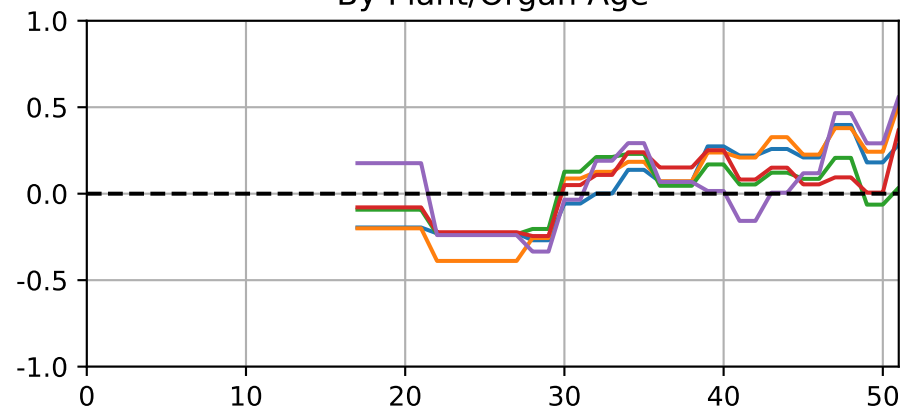


StH

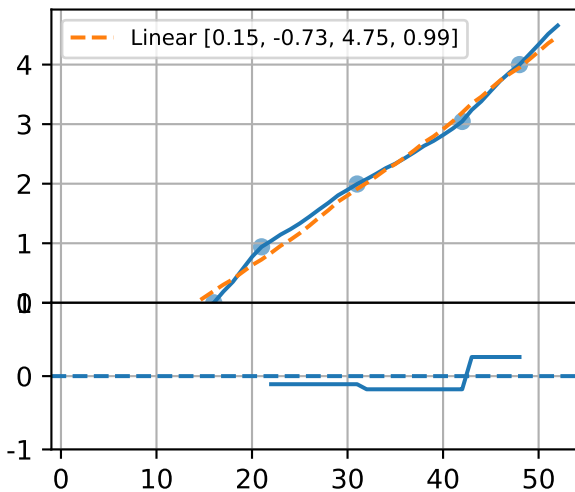
By Start Date



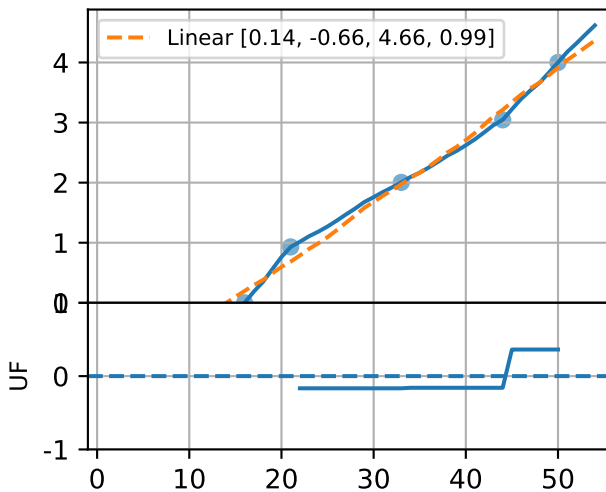
By Plant/Organ Age



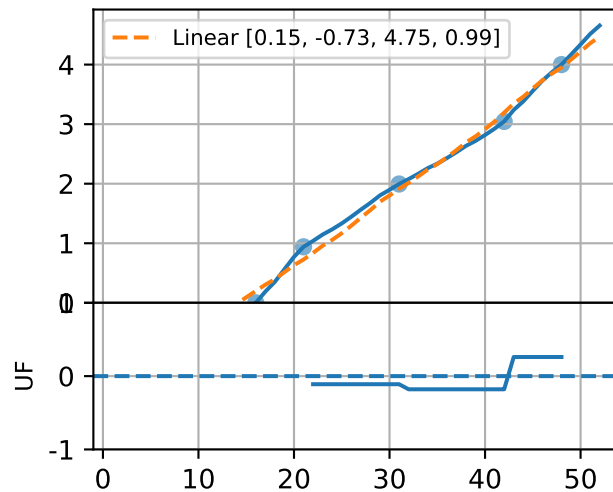
P10AE-063-19



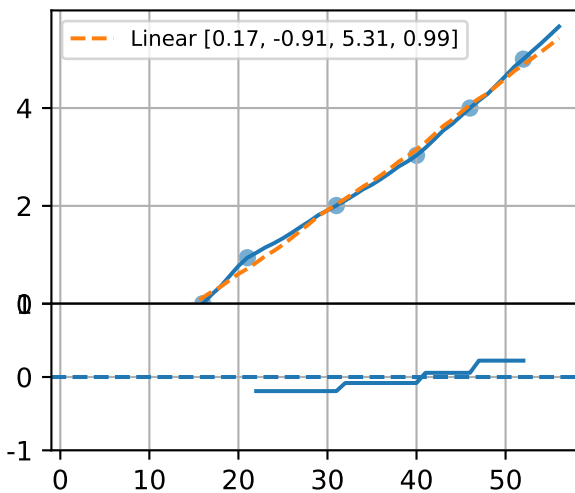
P10AE-076-5



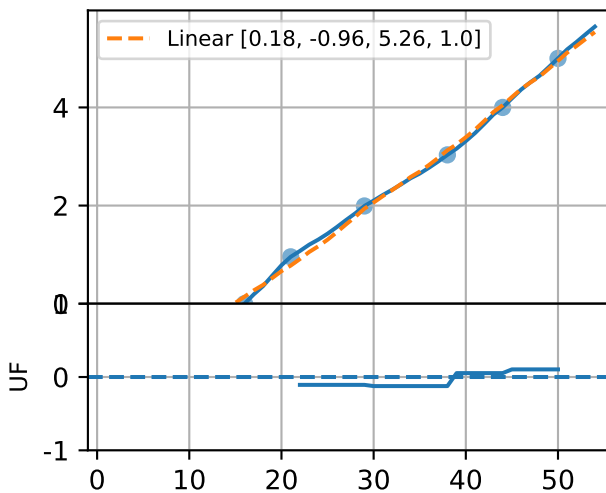
P10AE-089-22



P10AE-103-17



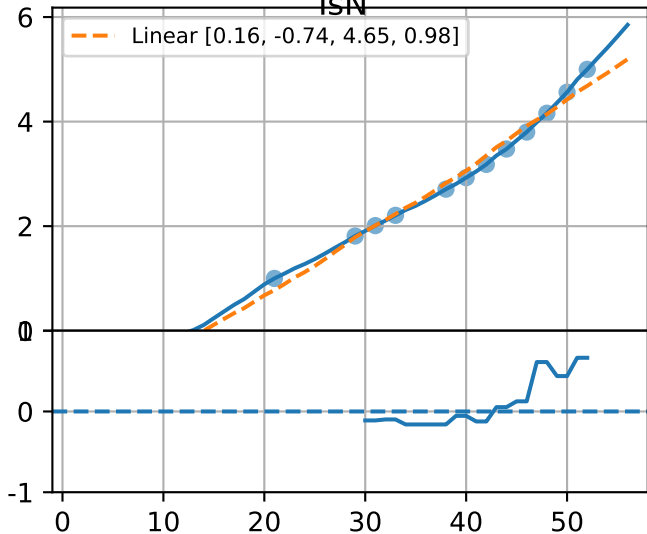
P10AE-116-21

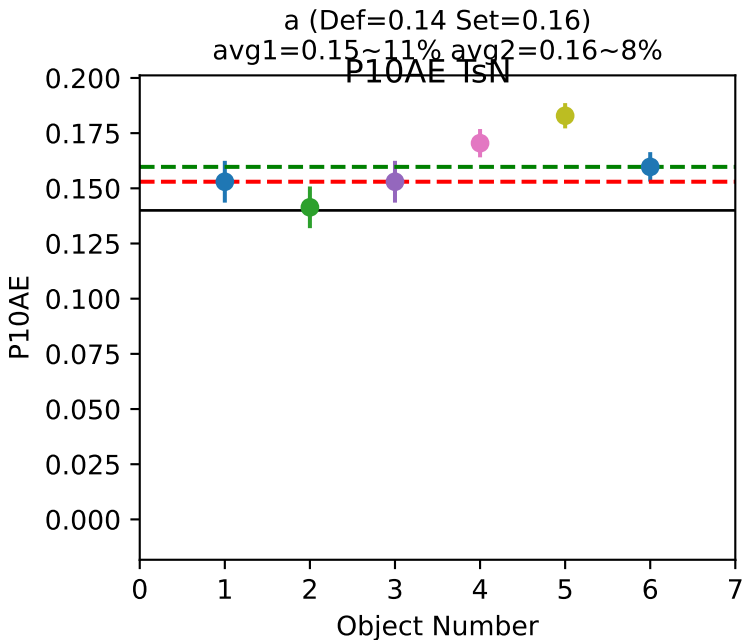


P10AEavg
TSN

Linear [0.16, -0.74, 4.65, 0.98]

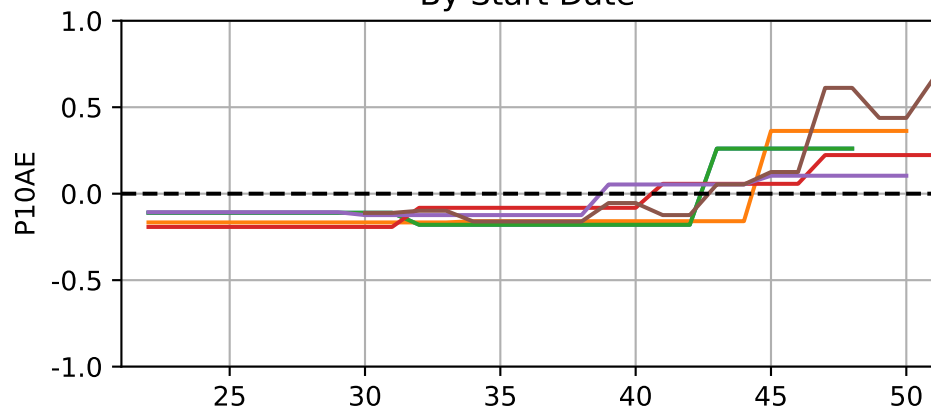
UF



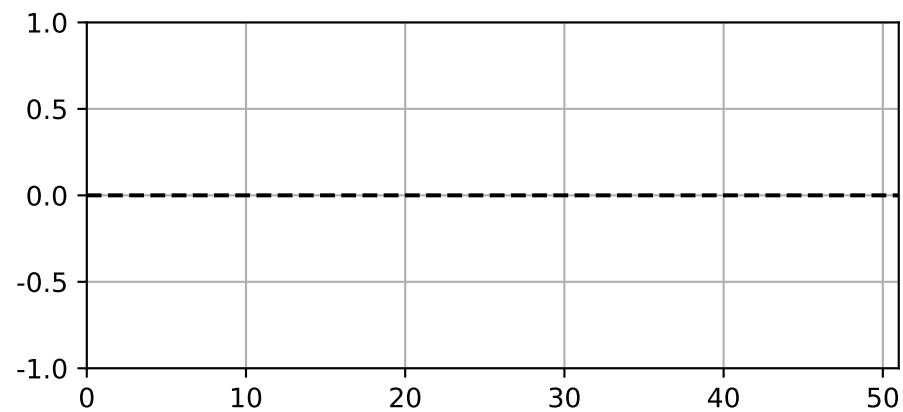
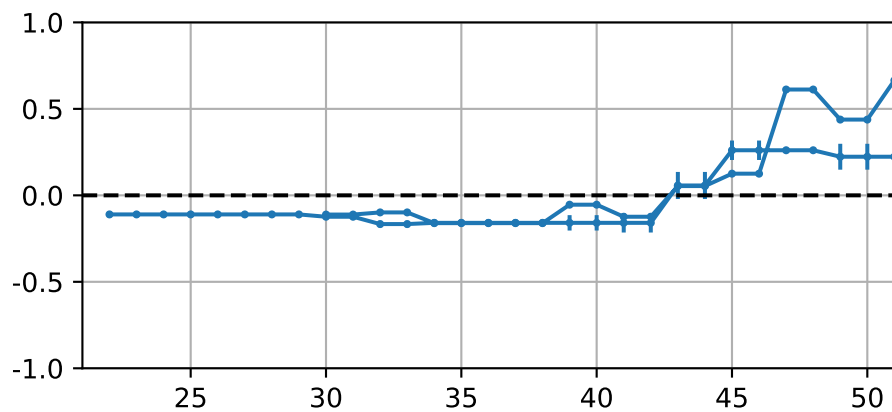
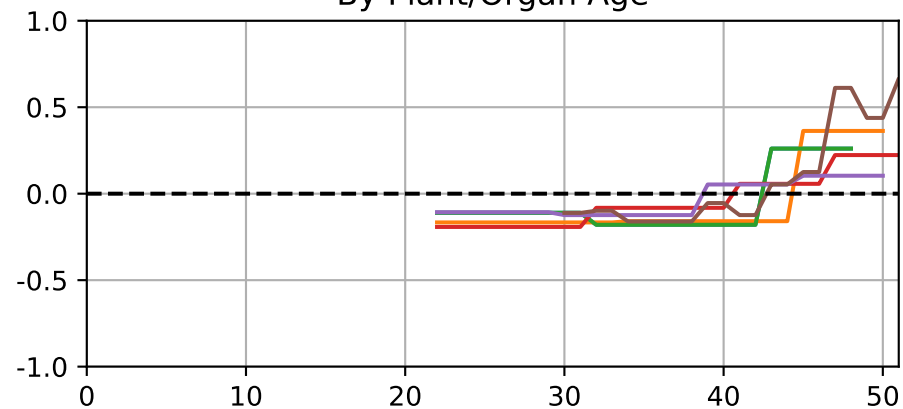


TsN

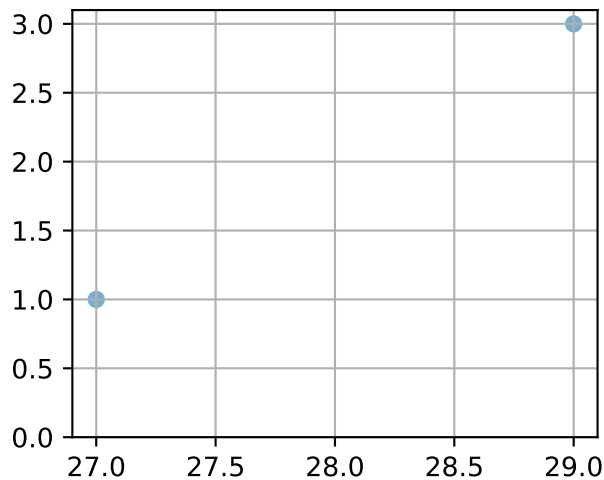
By Start Date



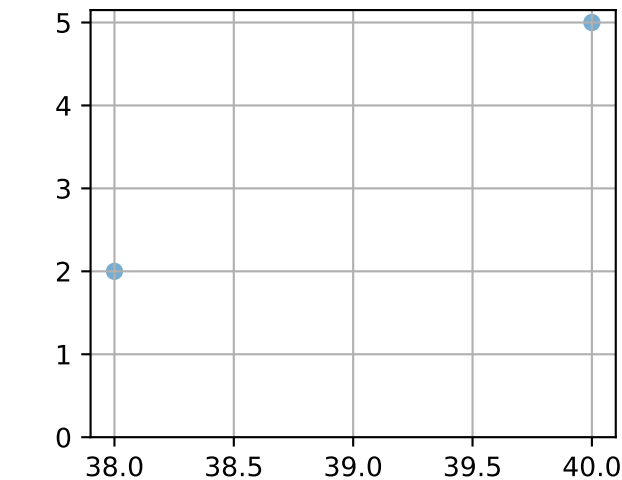
By Plant/Organ Age



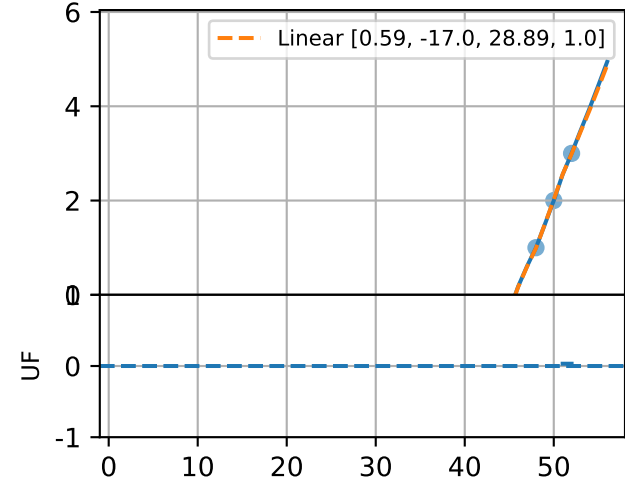
P10AE-063-19T1 (fit failed)



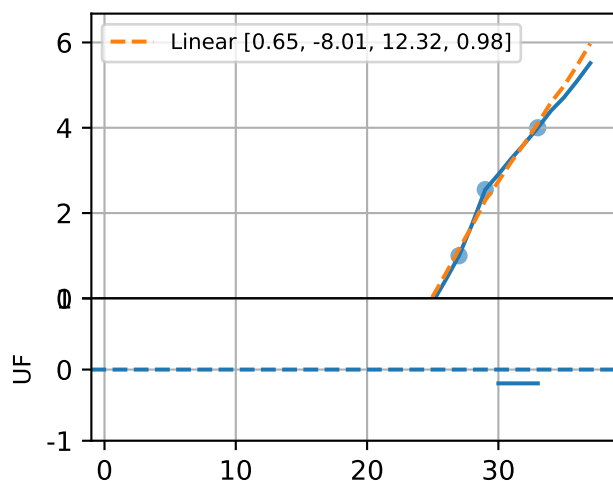
P10AE-063-19T2 (fit failed)



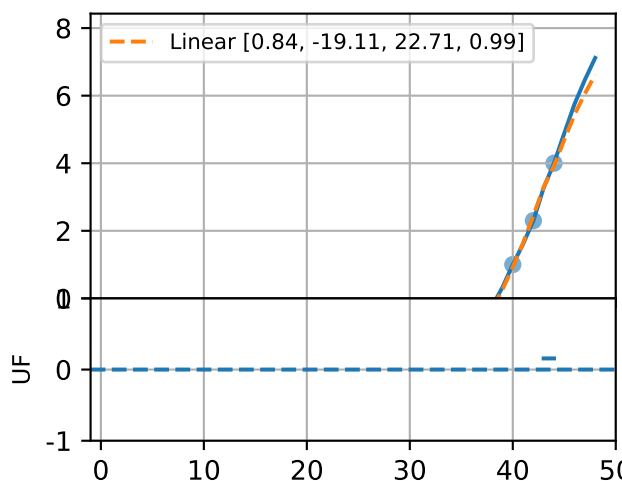
P10AE-063-19T3



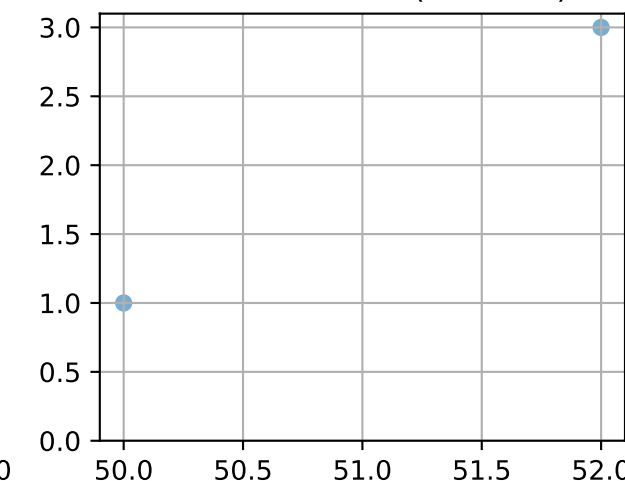
P10AE-076-5T1



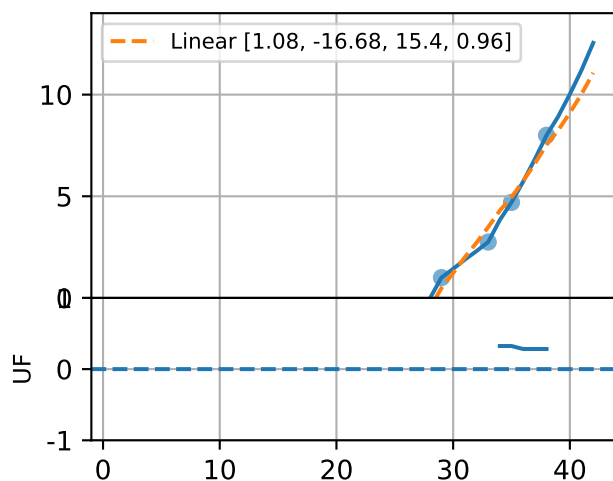
P10AE-076-5T2



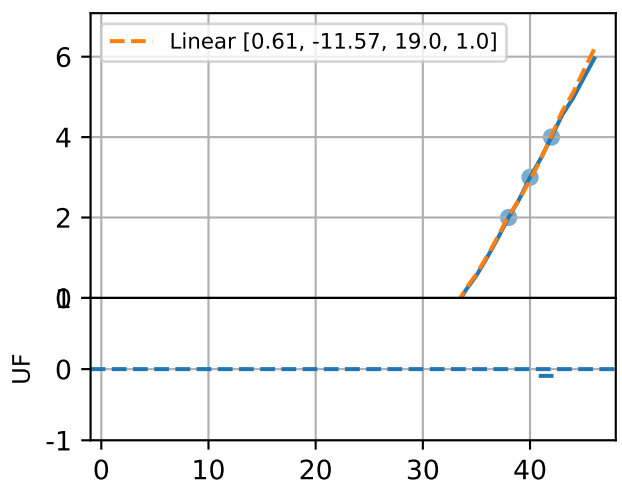
P10AE-076-5T3 (fit failed)



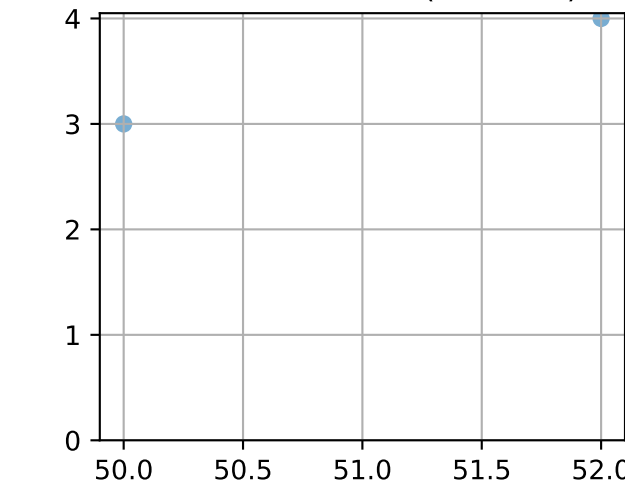
P10AE-089-22T1



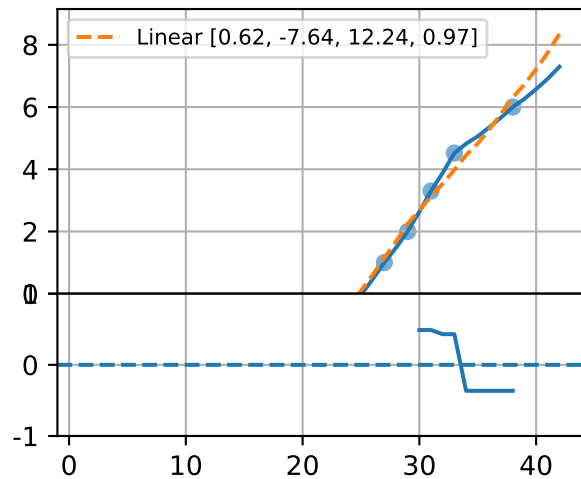
P10AE-089-22T2



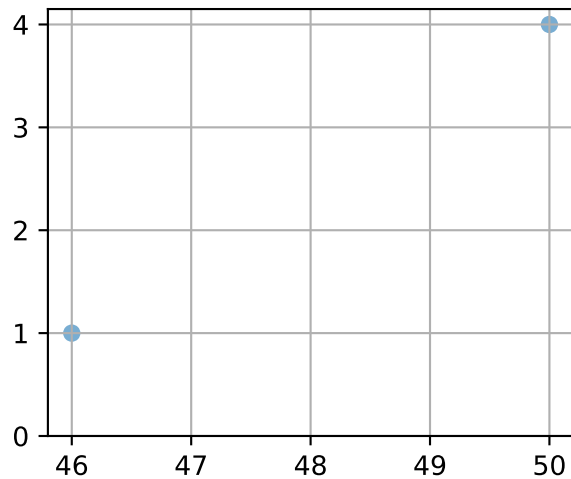
P10AE-089-22T3 (fit failed)



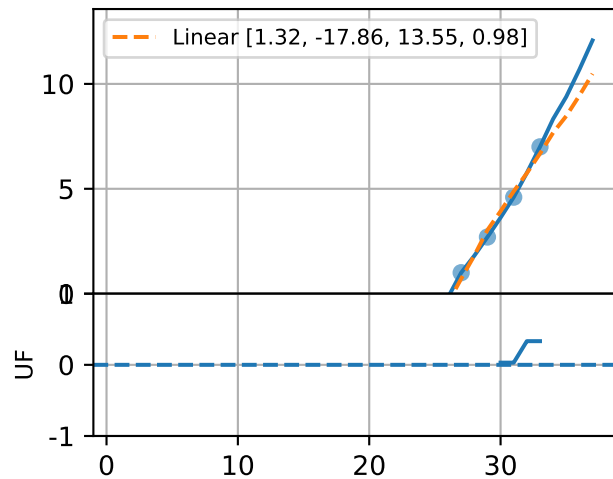
P10AE-103-17T1



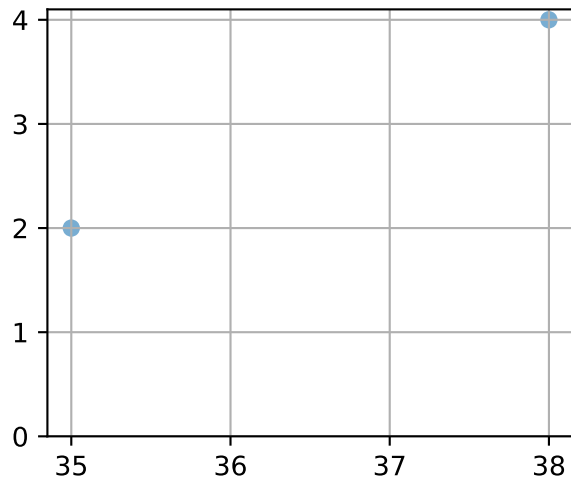
P10AE-103-17T3 (fit failed)



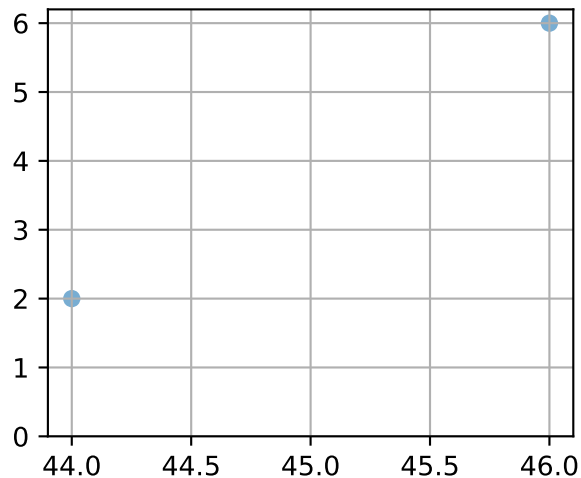
P10AE-116-21T1



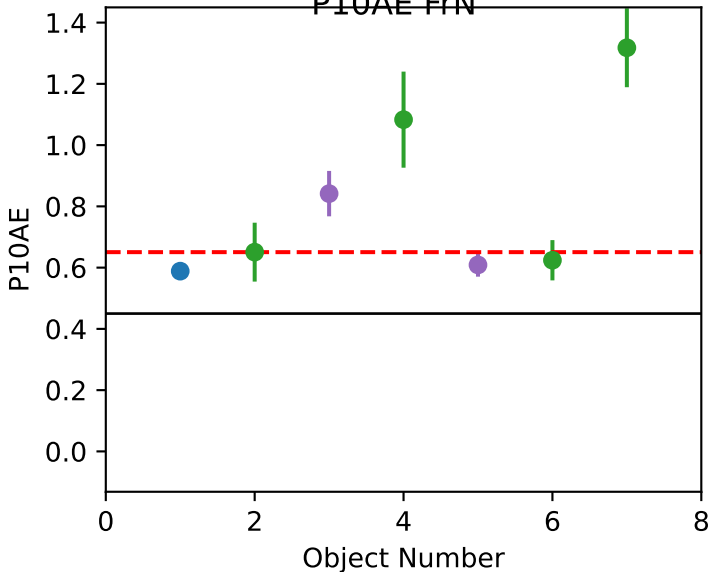
P10AE-116-21T2 (fit failed)



P10AE-116-21T3 (fit failed)

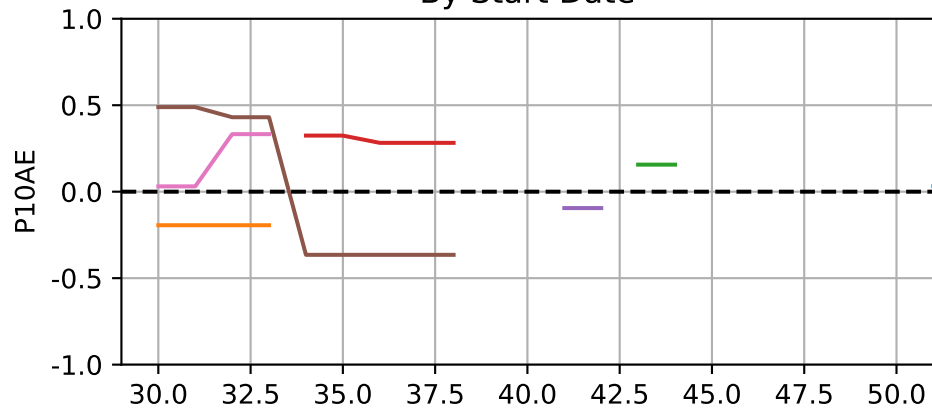


a (Def=0.45 Set=0.65)
avg1=0.65~44% avg2=na

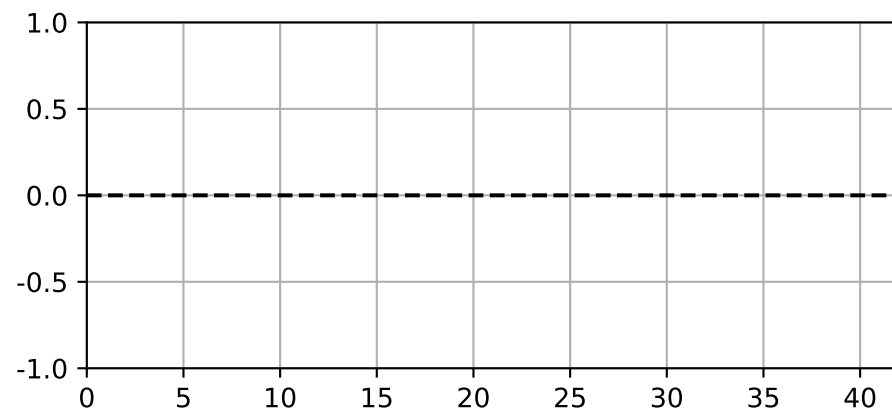
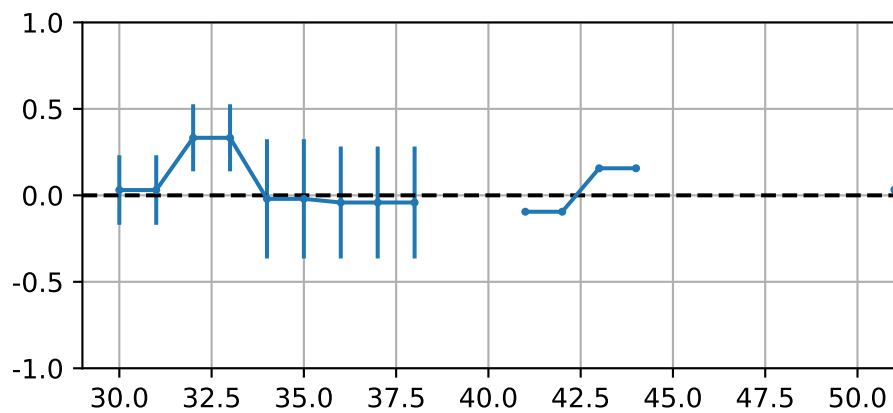
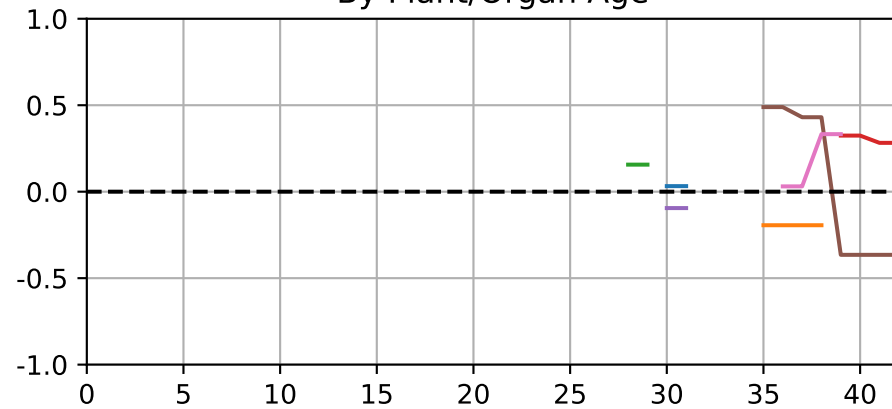


FrN

By Start Date

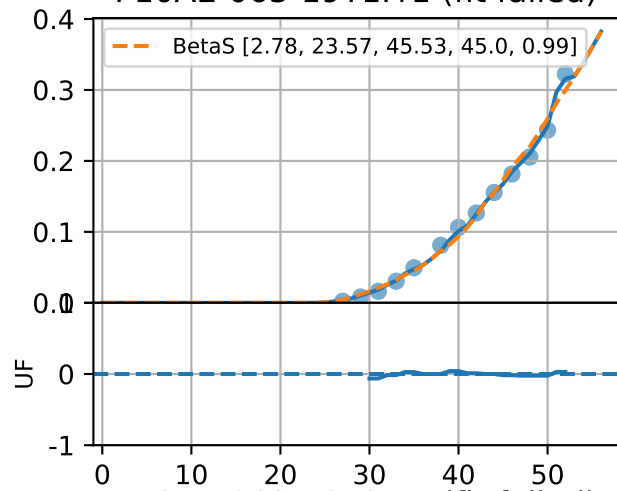


By Plant/Organ Age

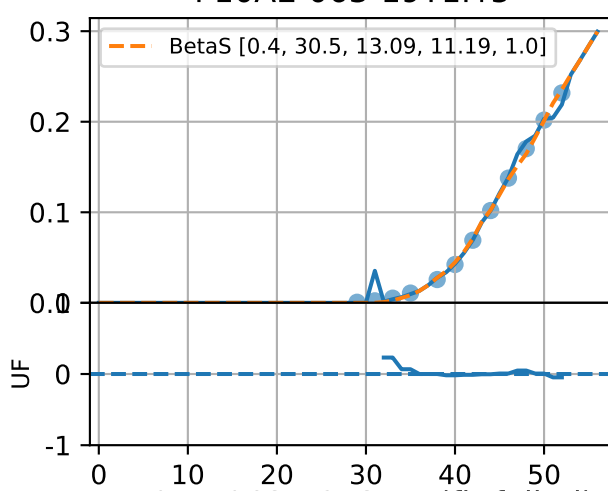


FrV

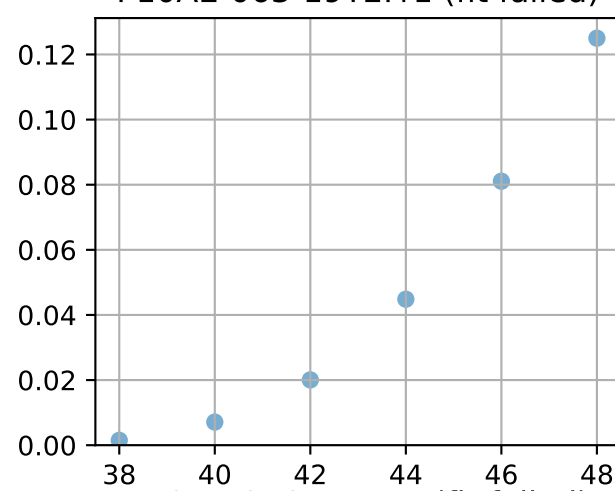
P10AE-063-19T1Fr1 (fit failed)



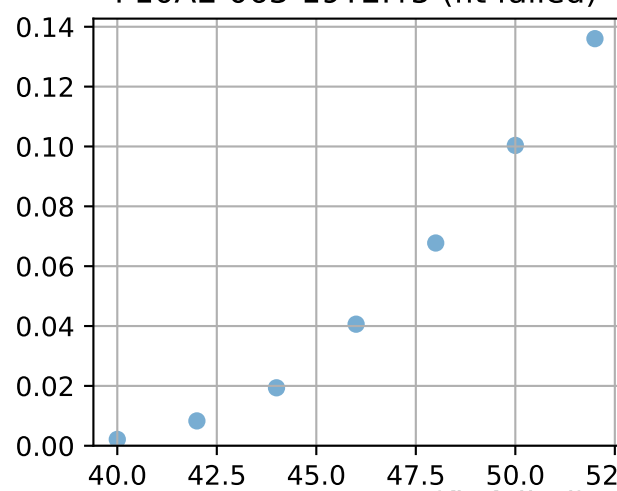
P10AE-063-19T1Fr5



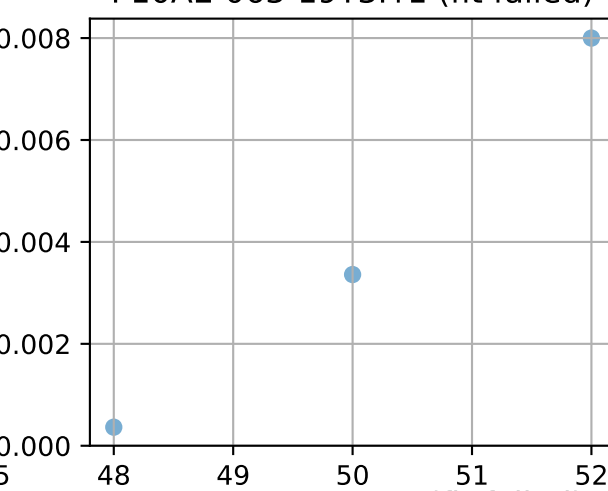
P10AE-063-19T2Fr1 (fit failed)



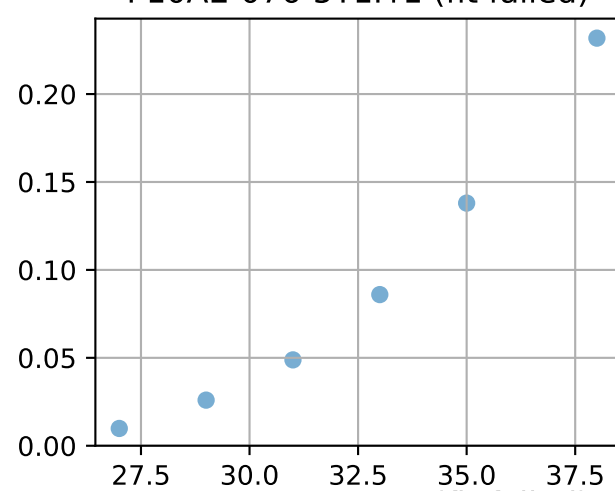
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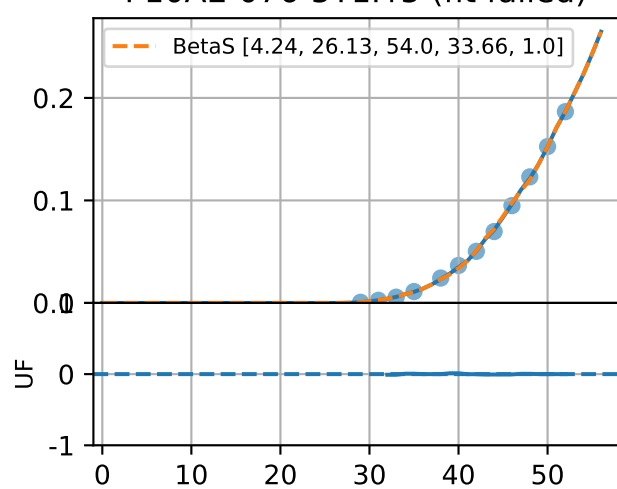
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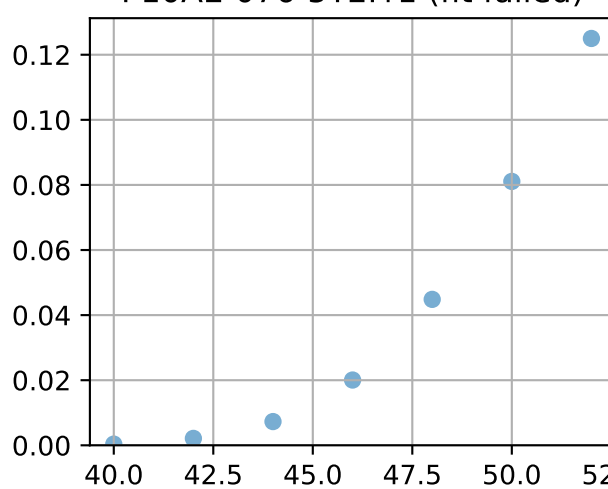
P10AE-076-5T1Fr1 (fit failed)



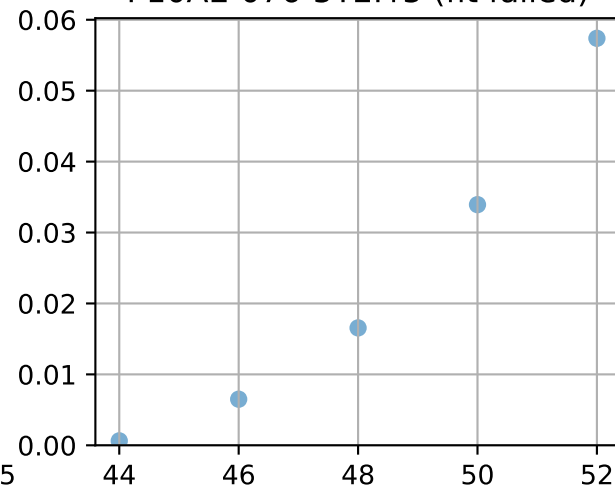
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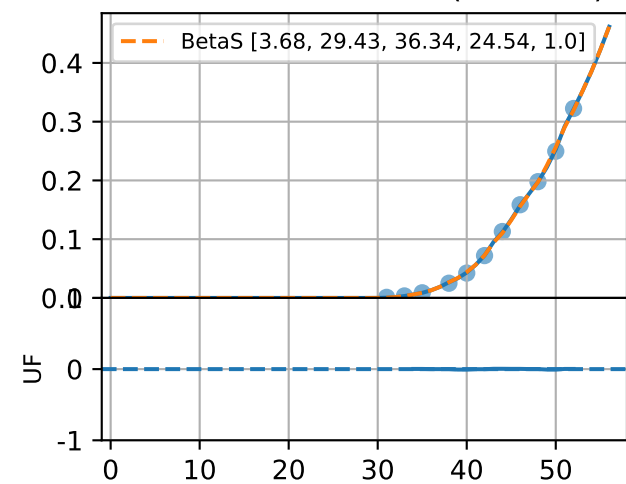
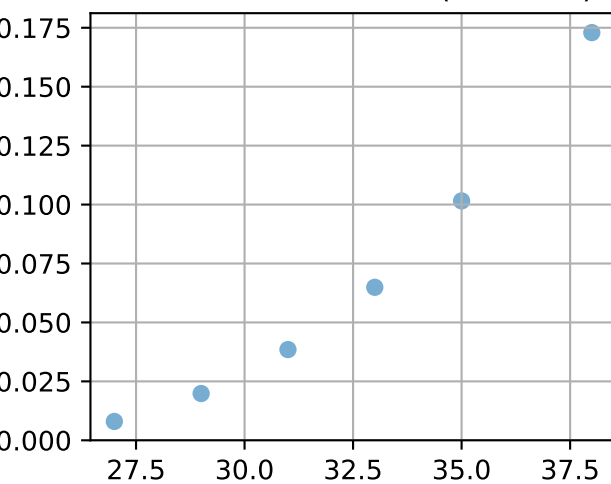
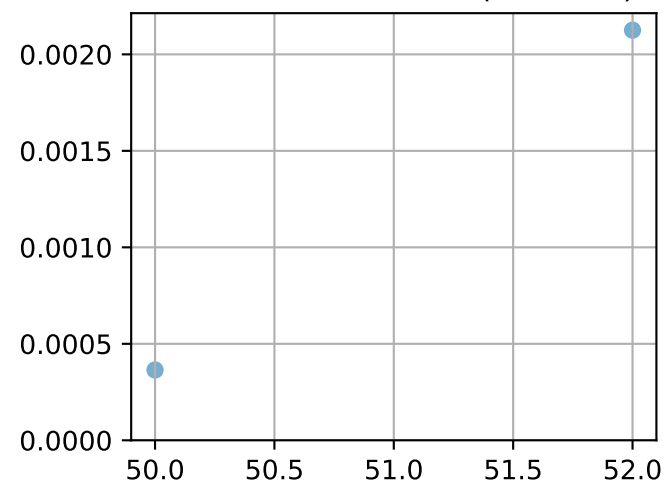
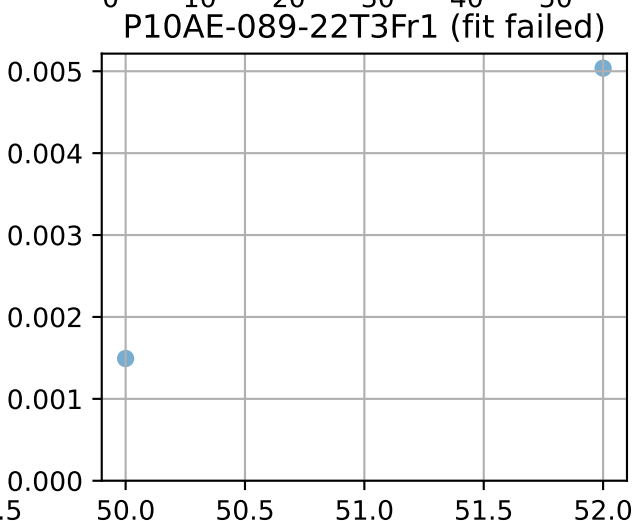
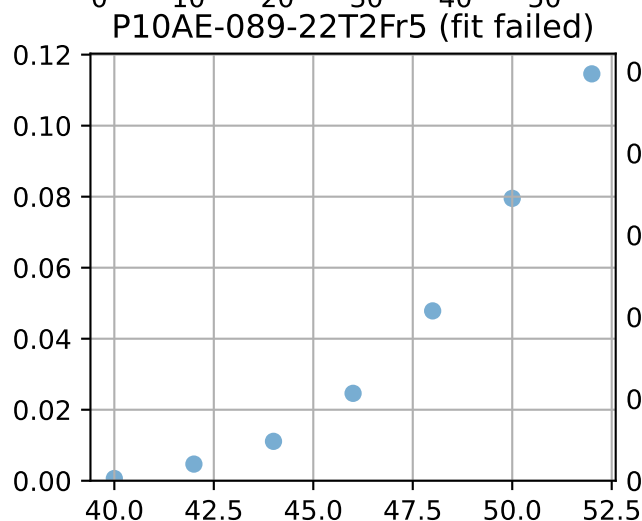
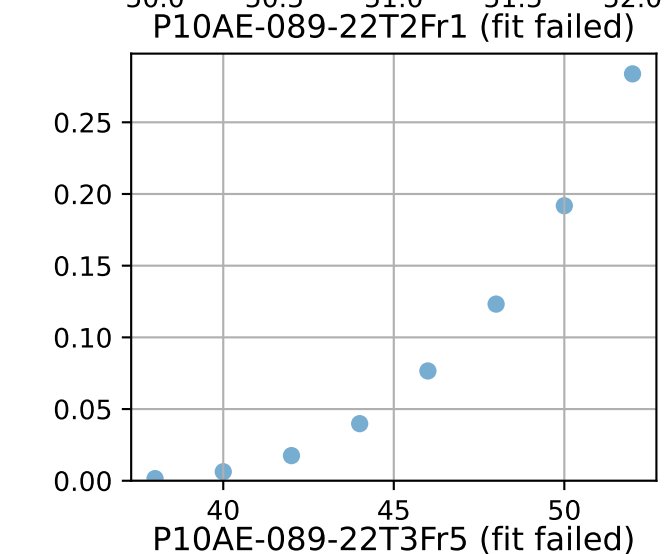
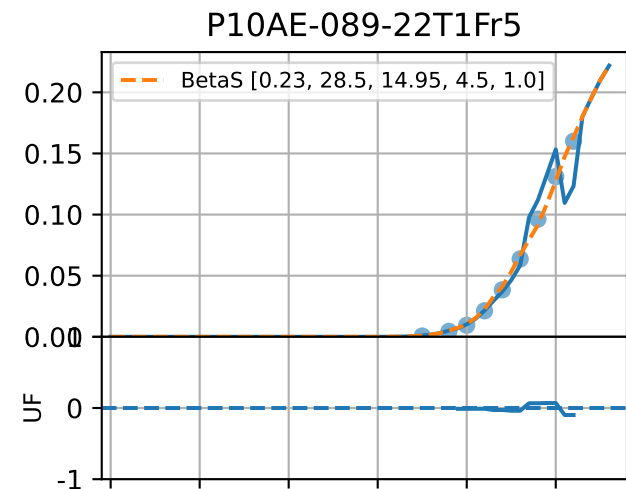
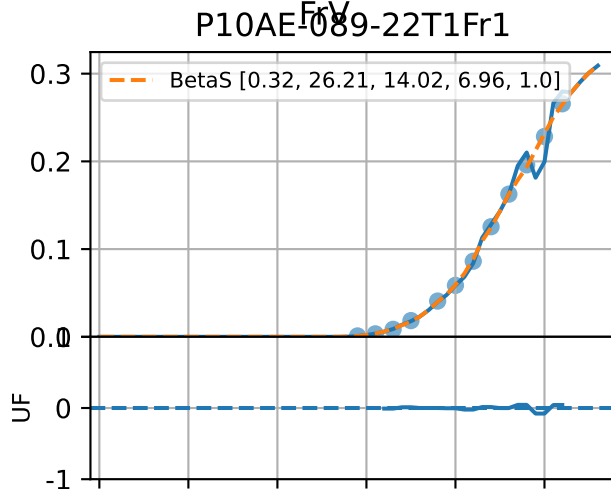
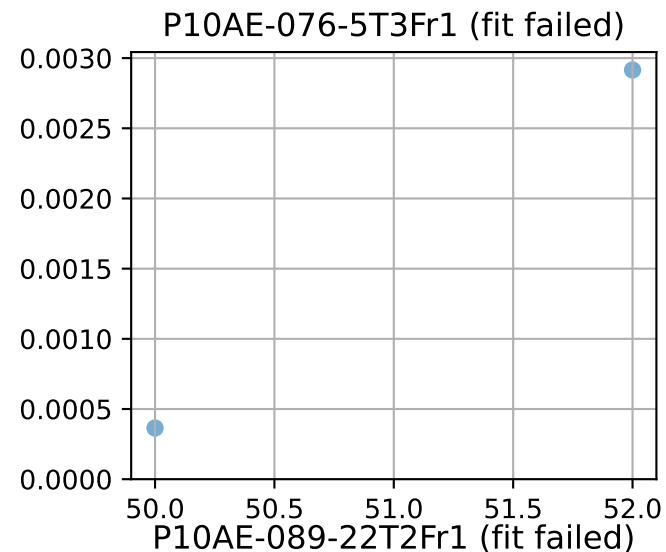
P10AE-076-5T2Fr1 (fit failed)



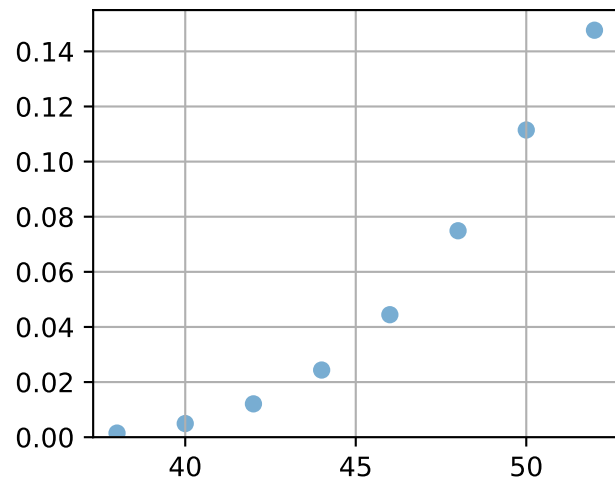
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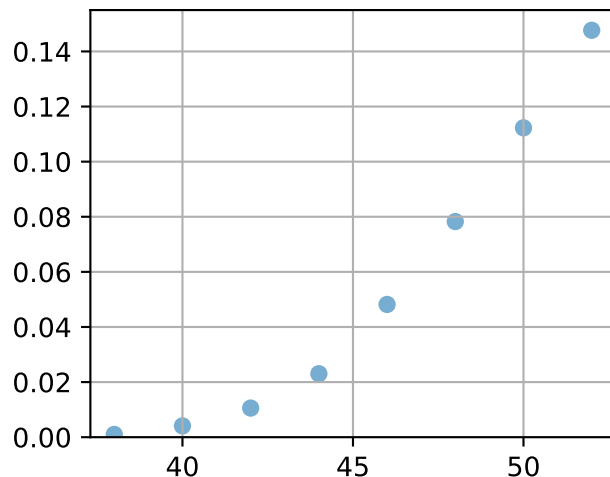
FrV



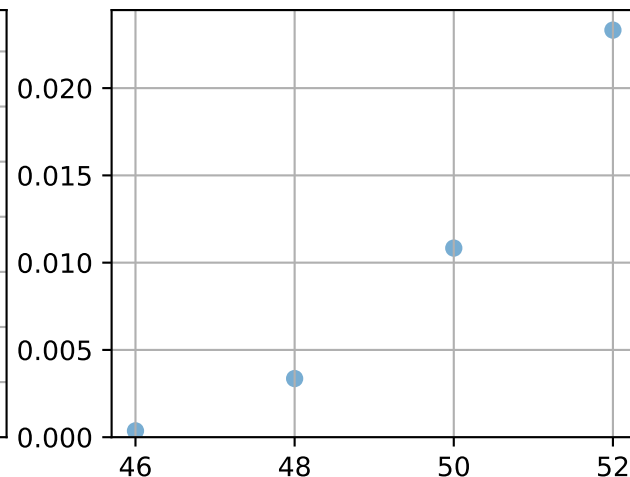
P10AE-103-17T2Fr1 (fit failed)



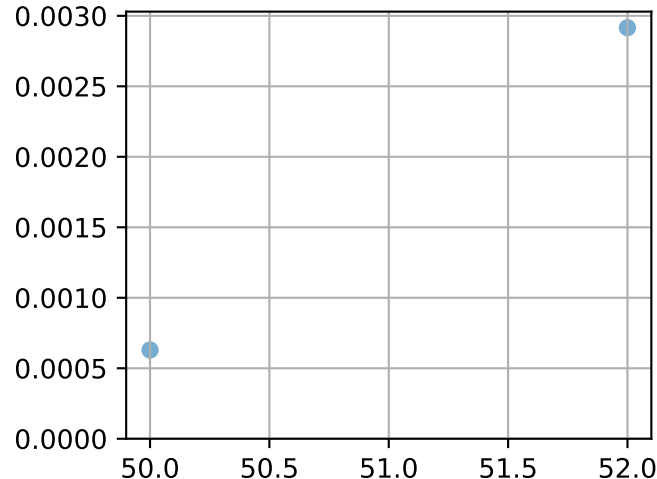
P10AE-103-17T2Fr5 (fit failed)



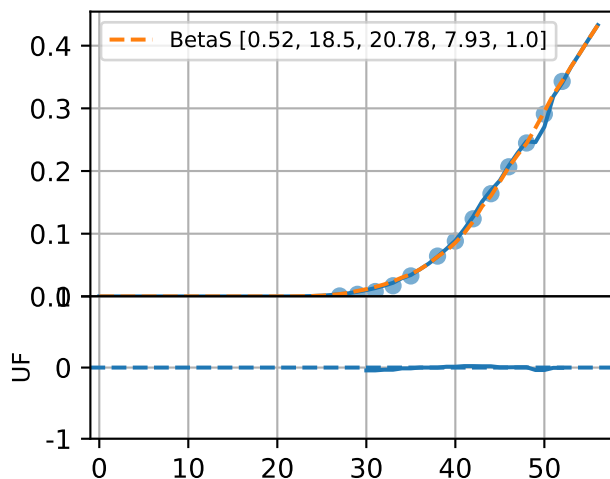
P10AE-103-17T3Fr1 (fit failed)



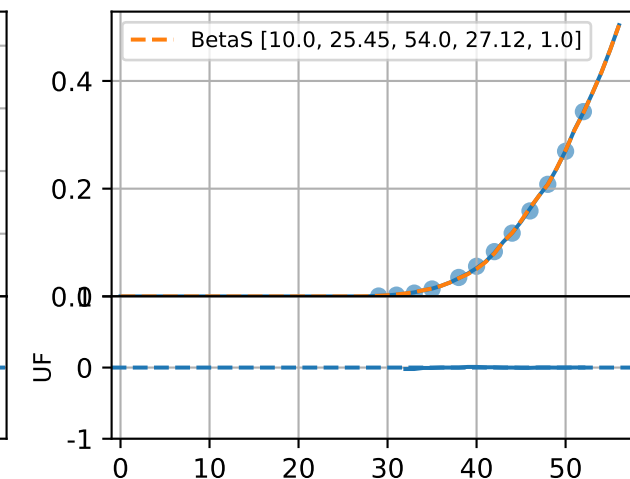
P10AE-103-17T3Fr5 (fit failed)



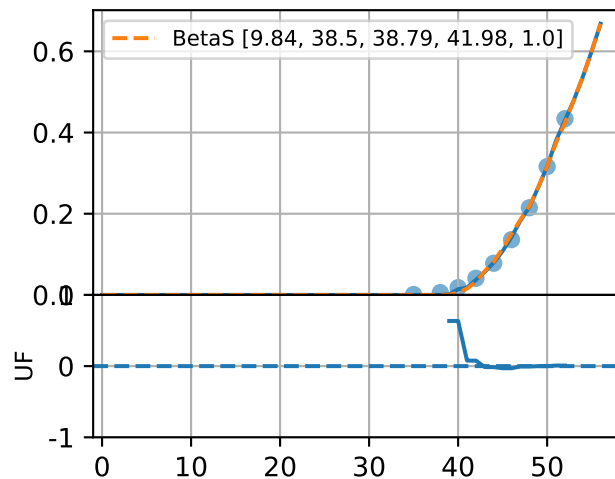
P10AE-116-21T1Fr1



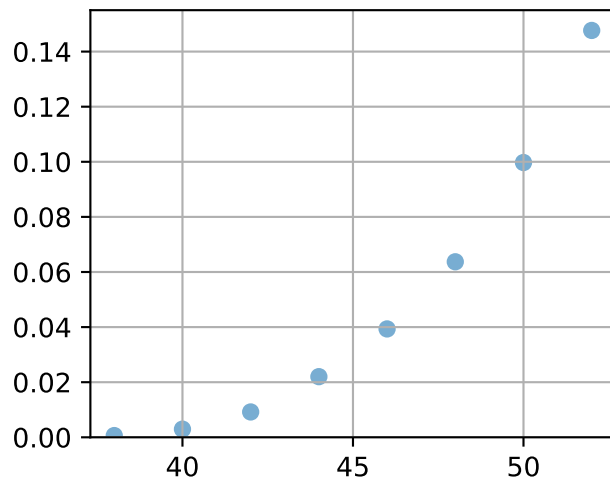
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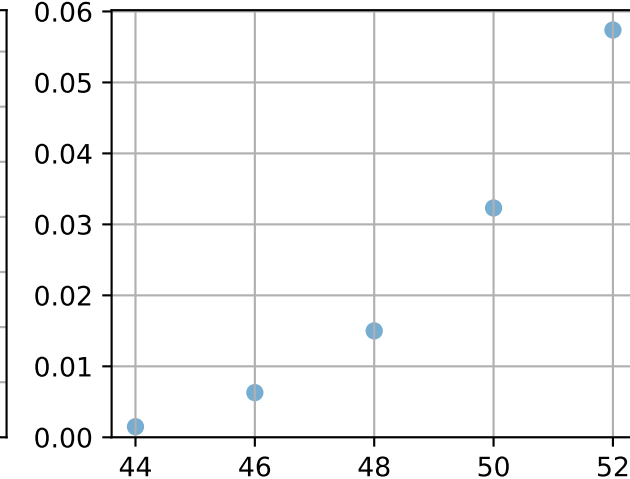
P10AE-116-21T2Fr1 (fit failed)



P10AE-116-21T2Fr5 (fit failed)

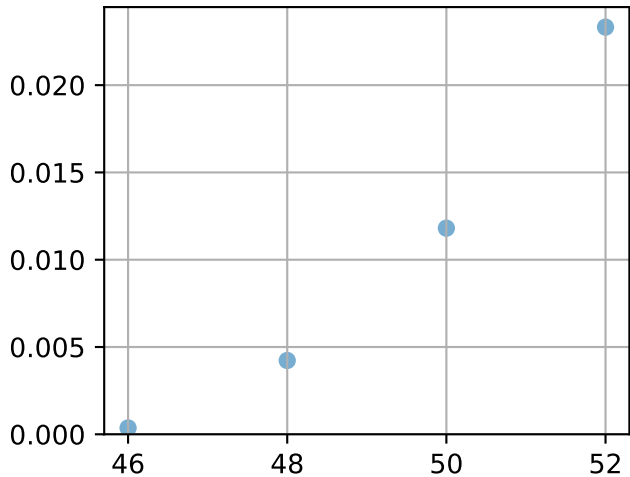


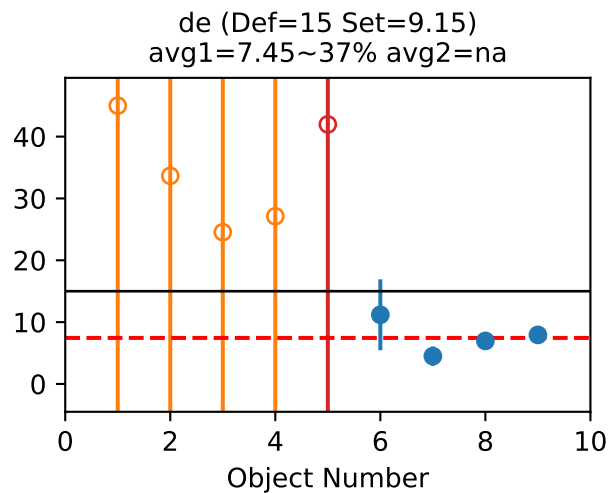
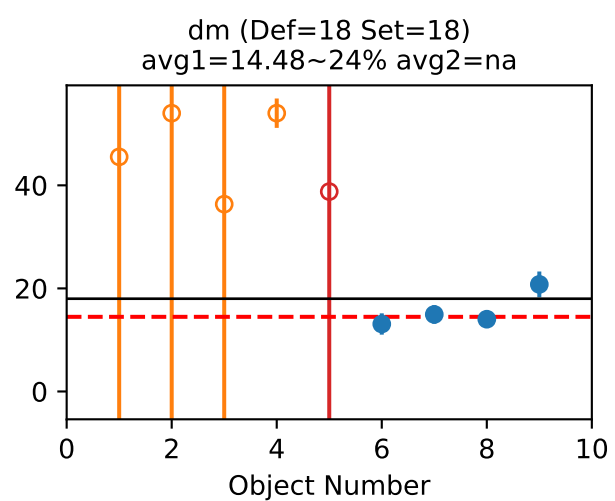
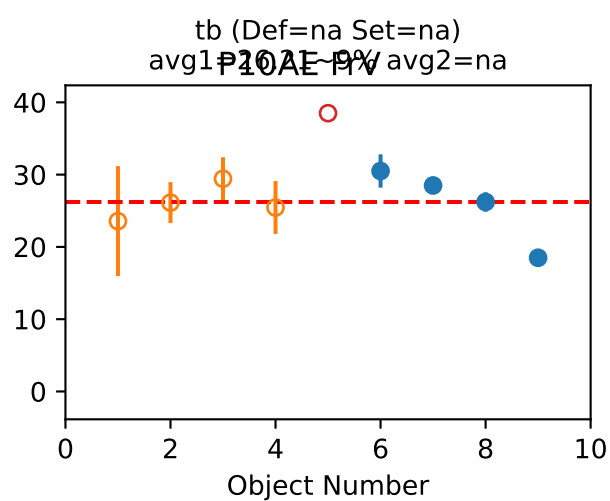
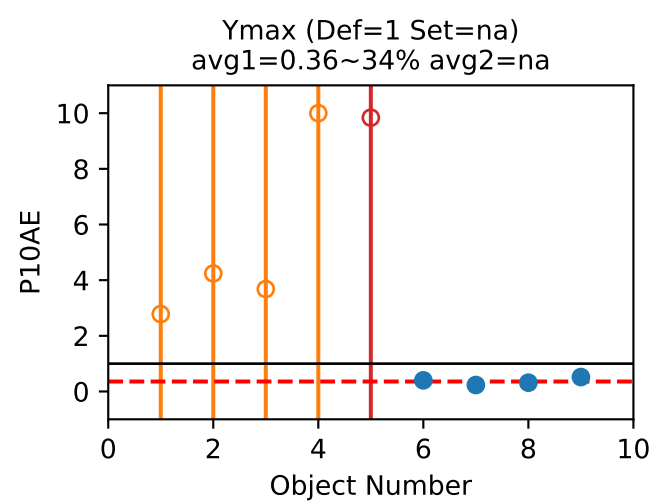
P10AE-116-21T3Fr1 (fit failed)



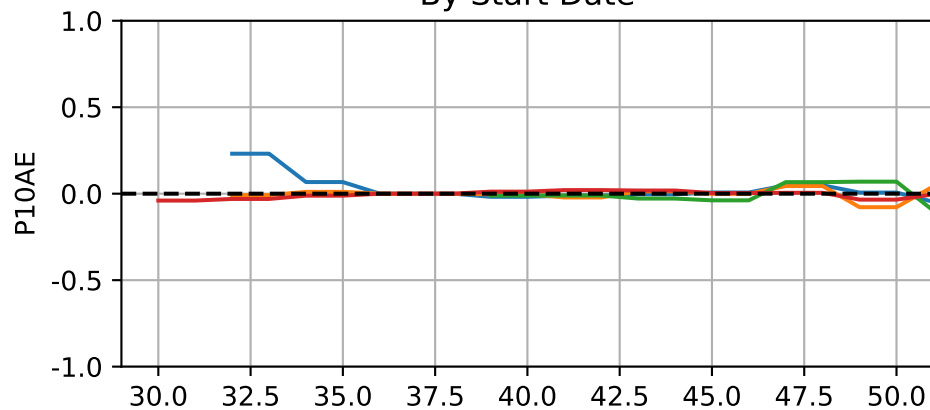
P10AE-116-21T3Fr5 (fit failed)

FrV

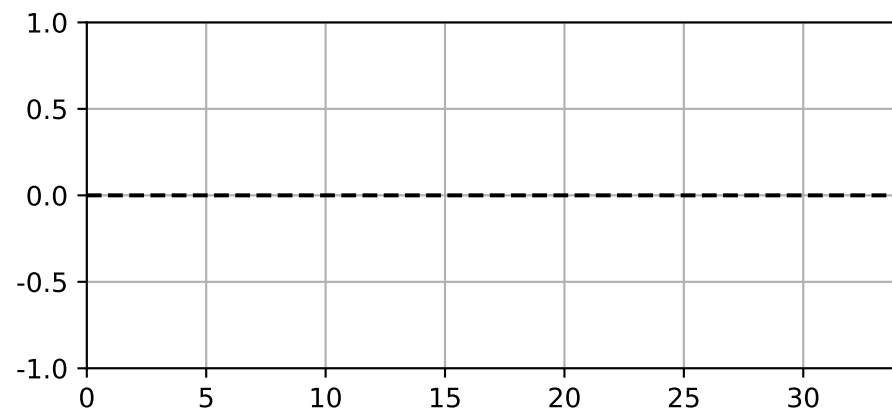
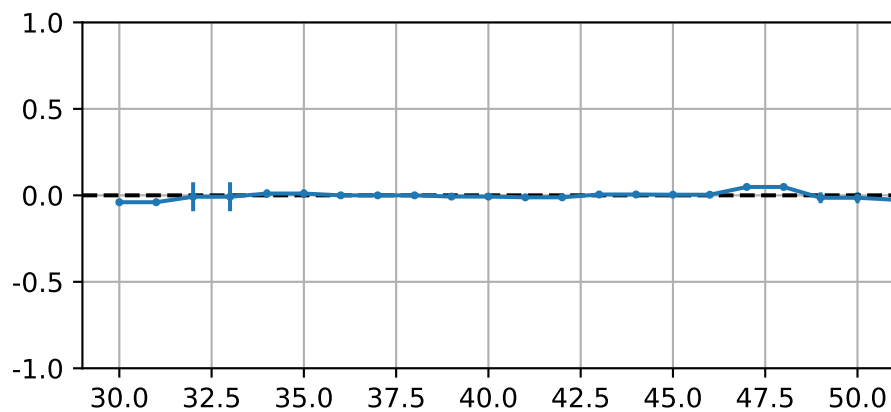
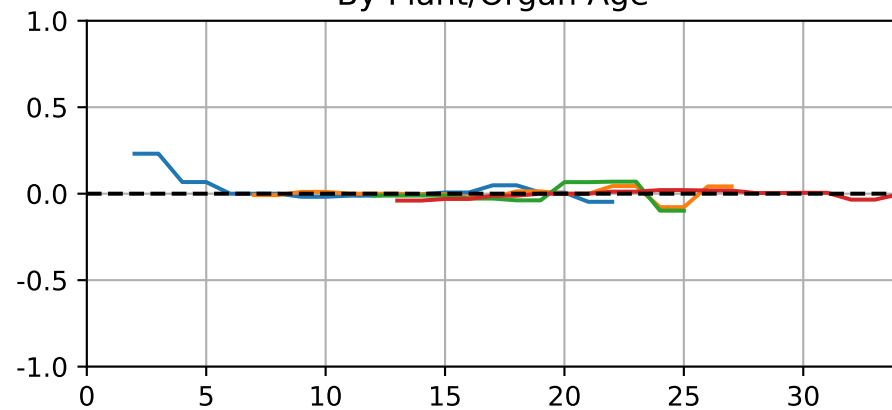




By Start Date

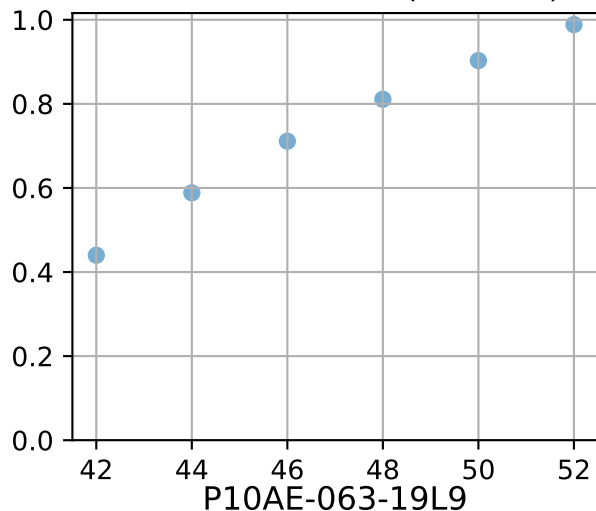


By Plant/Organ Age

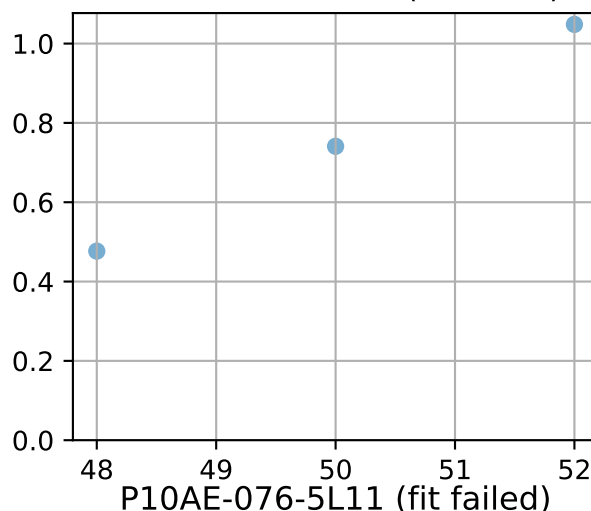


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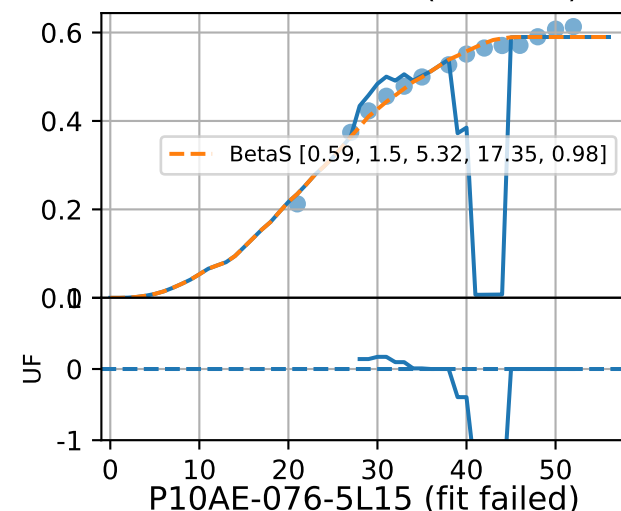
P10AE-063-19L13 (fit failed)



P10AE-063-19L16 (fit failed)



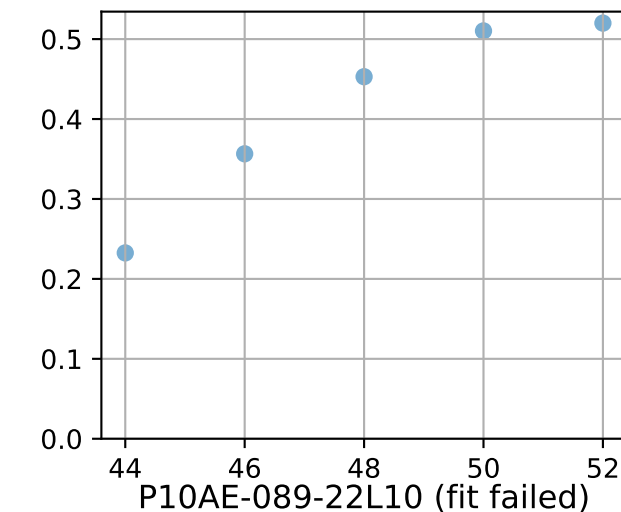
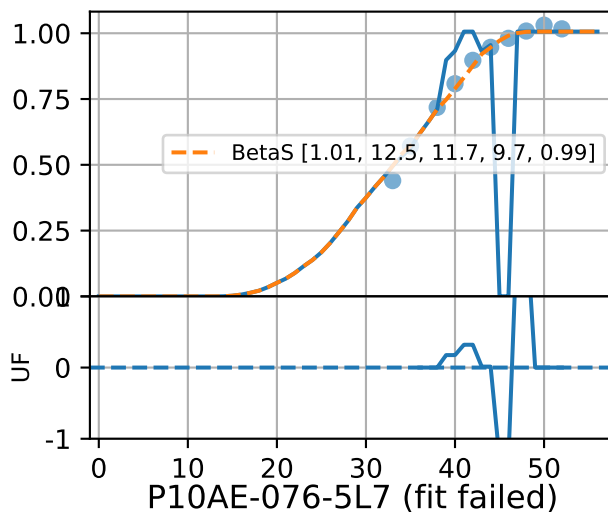
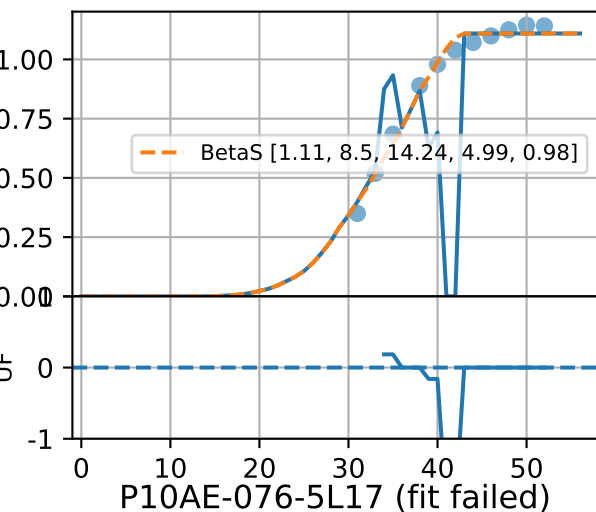
P10AE-063-19L6 (fit failed)



P10AE-063-19L9

P10AE-076-5L11 (fit failed)

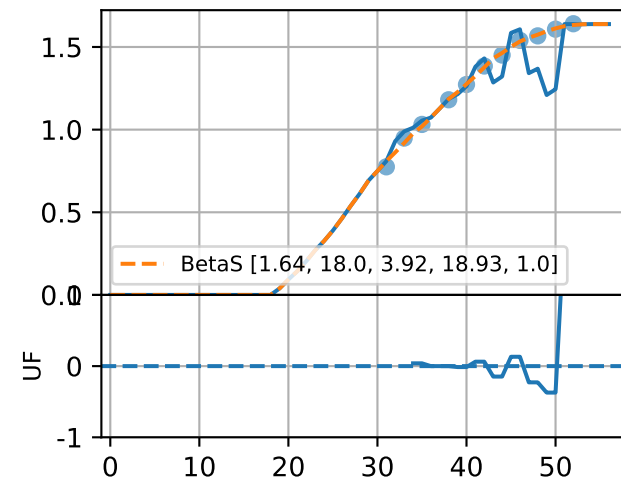
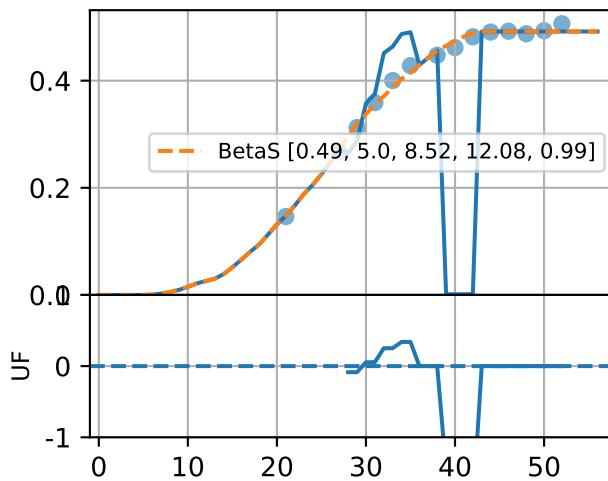
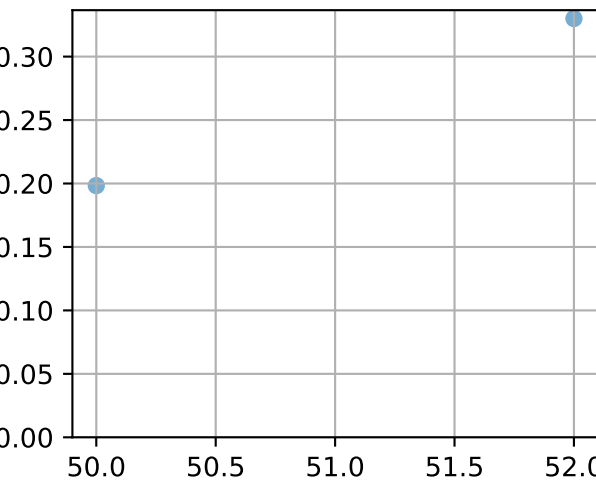
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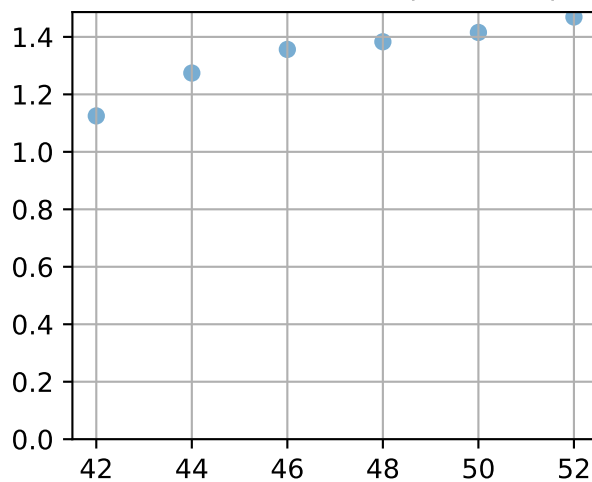
P10AE-076-5L17 (fit failed)

P10AE-076-5L7 (fit failed)

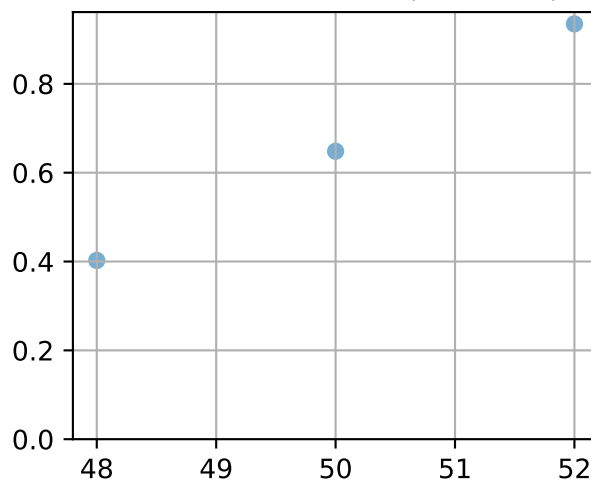
P10AE-089-22L10 (fit failed)



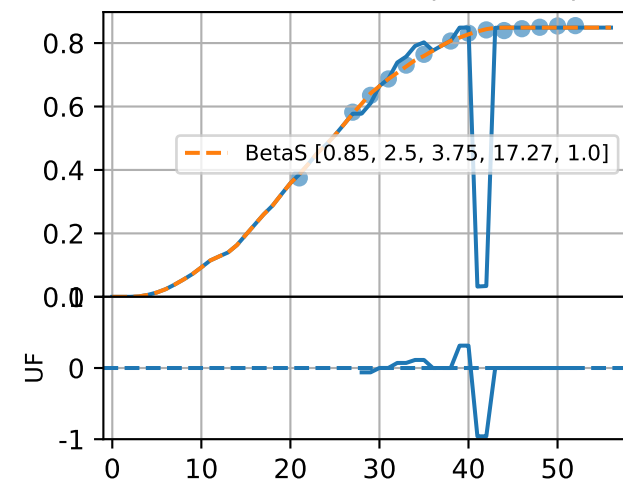
P10AE-089-22L13 (fit failed)



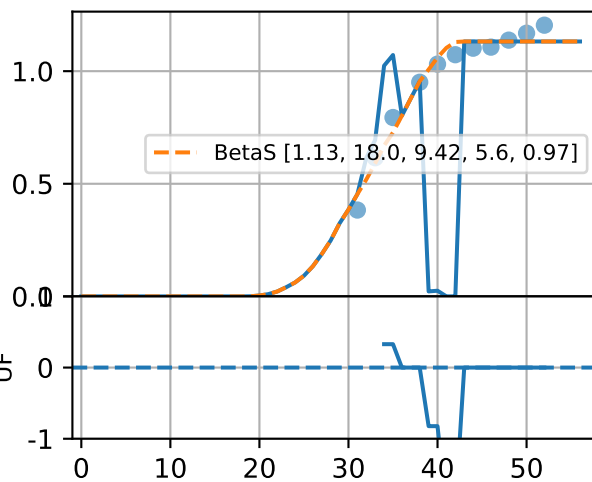
P10AE-089-22L16 (fit failed)



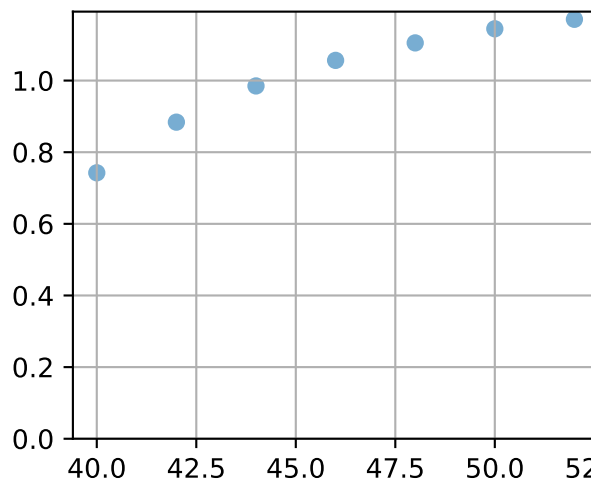
P10AE-089-22L7 (fit failed)



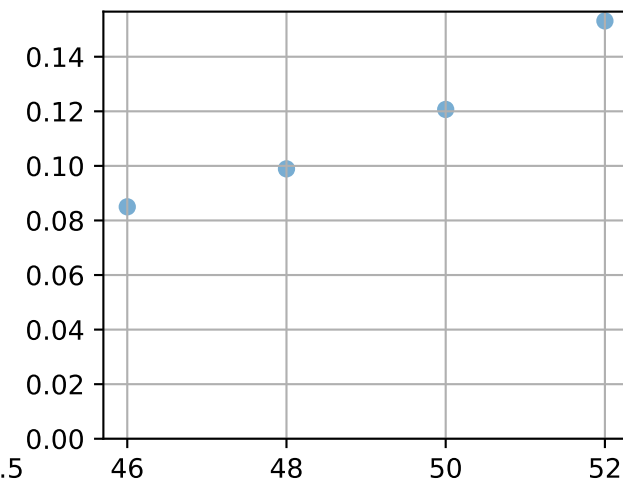
P10AE-103-17L10 (fit failed)



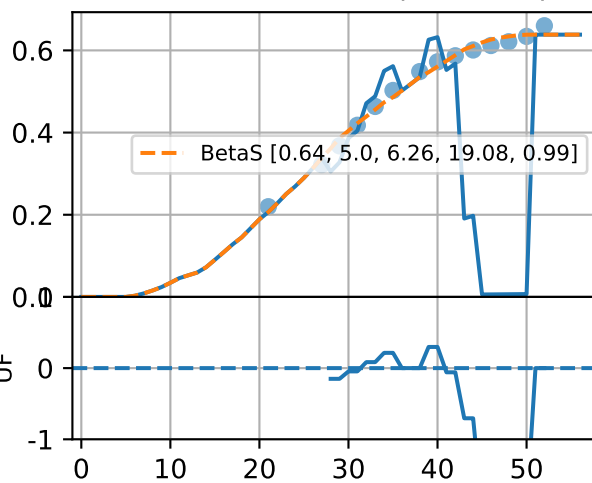
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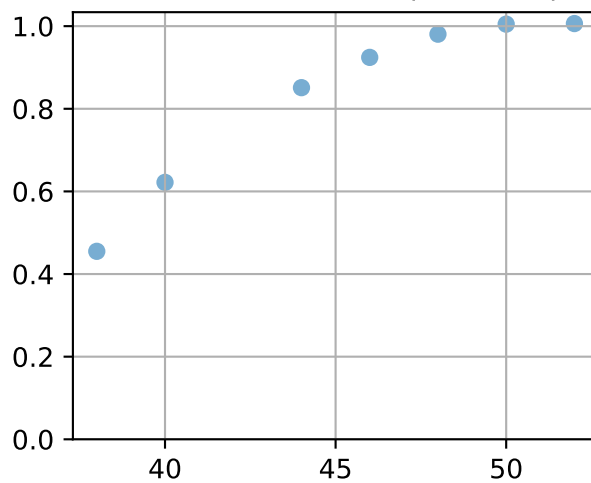
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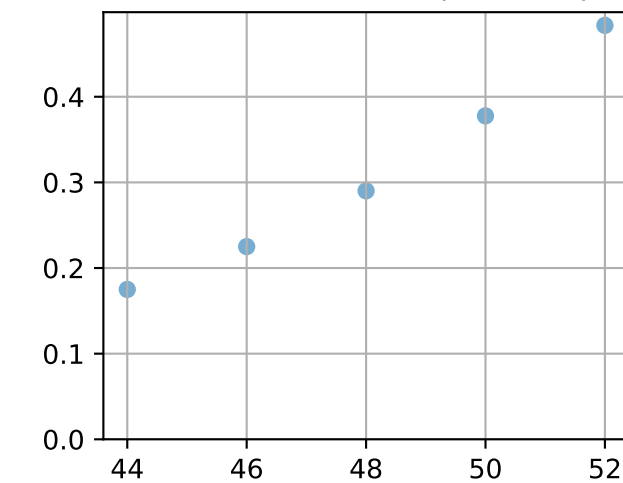
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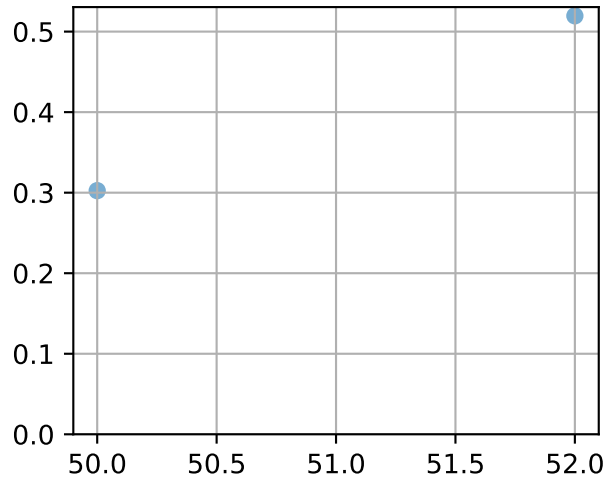
P10AE-116-21L12 (fit failed)



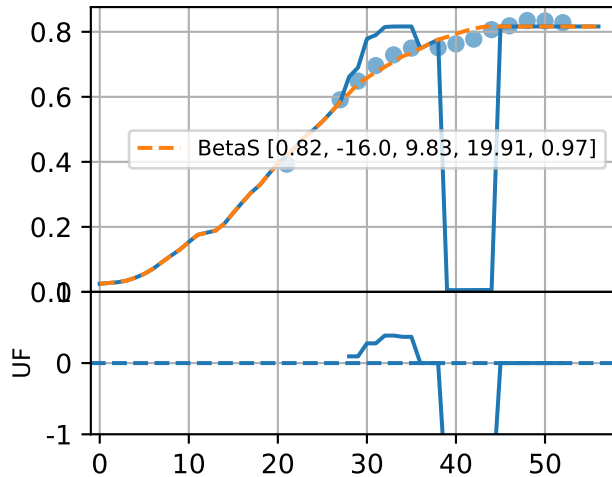
P10AE-116-21L15 (fit failed)



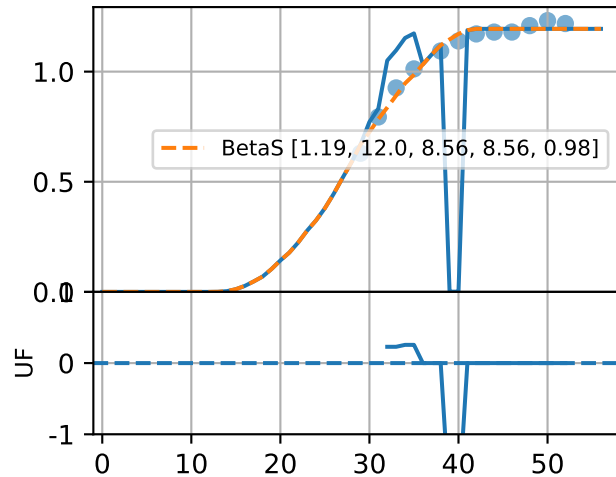
P10AE-116-21L18 (fit failed)



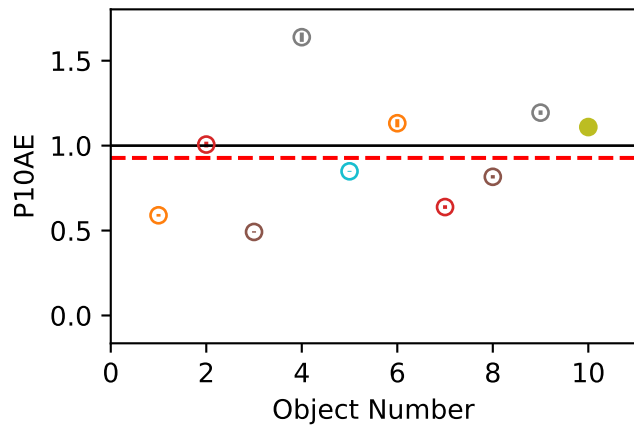
P10AE-116-21L6 (fit failed)



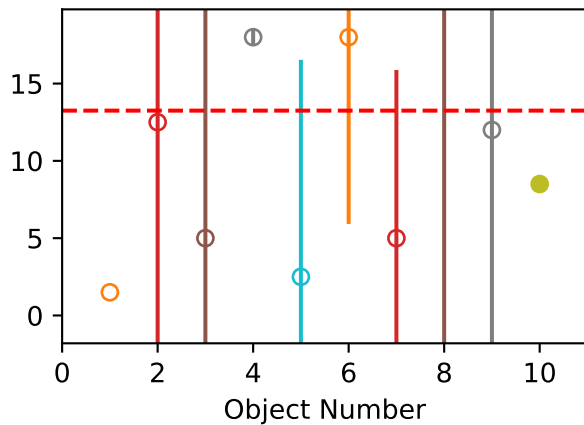
P10AE-116-21L9 (fit failed)



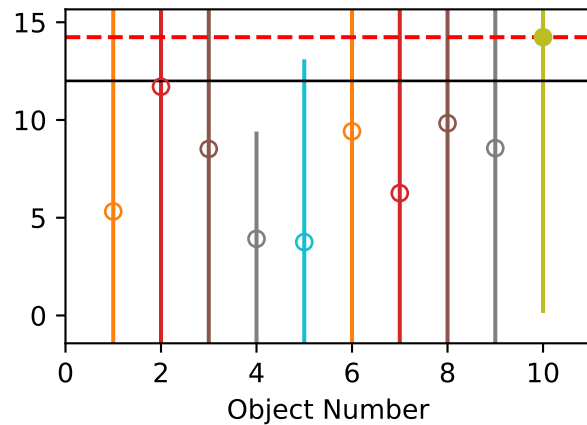
Ymax (Def=1 Set=0.93)
avg1=0.93~37% avg2=na



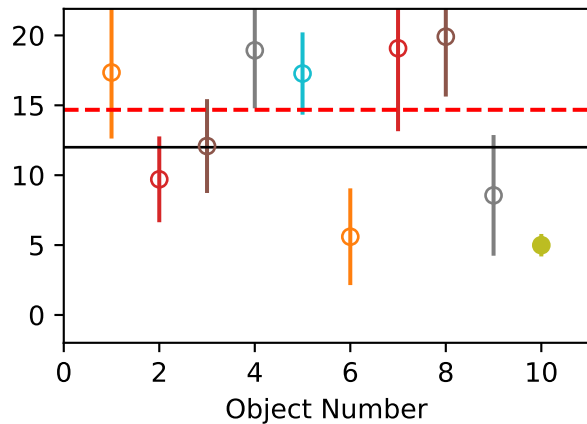
tb (Def=na Set=na)
avg1=1.07~61% avg2=na



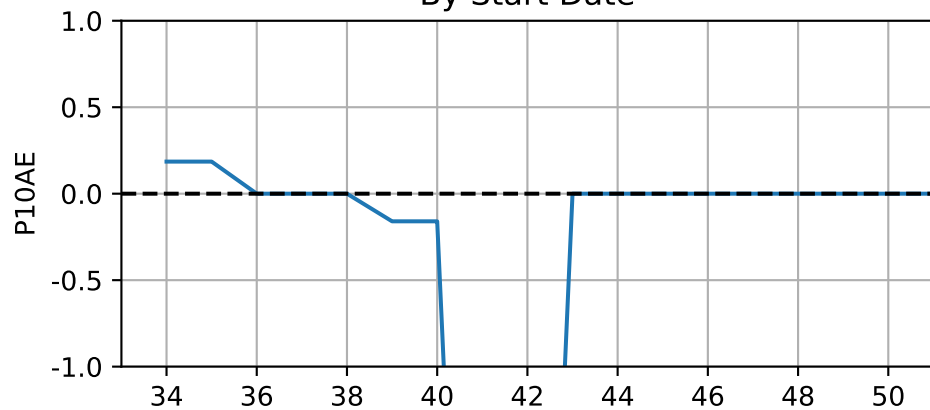
dm (Def=12 Set=12)
avg1=14.24 avg2=na



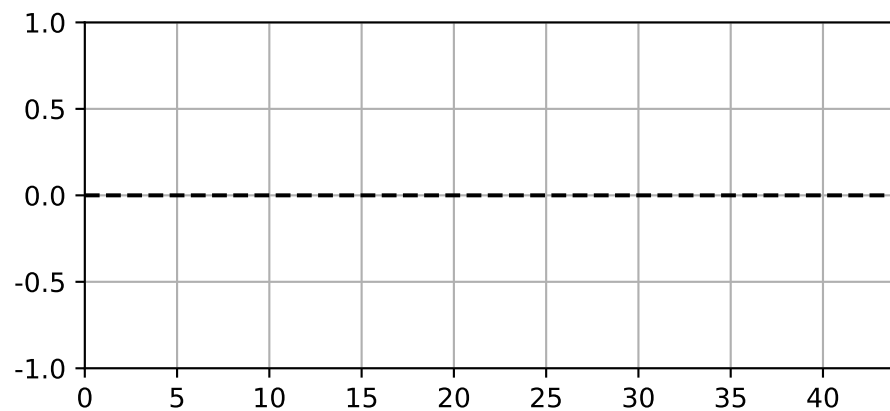
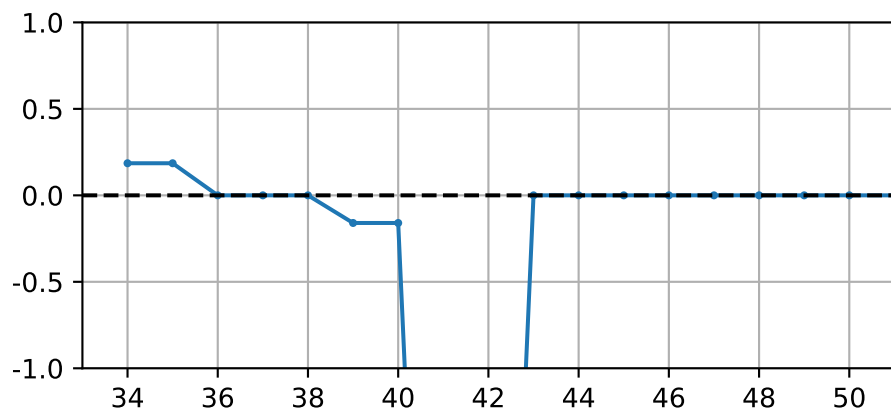
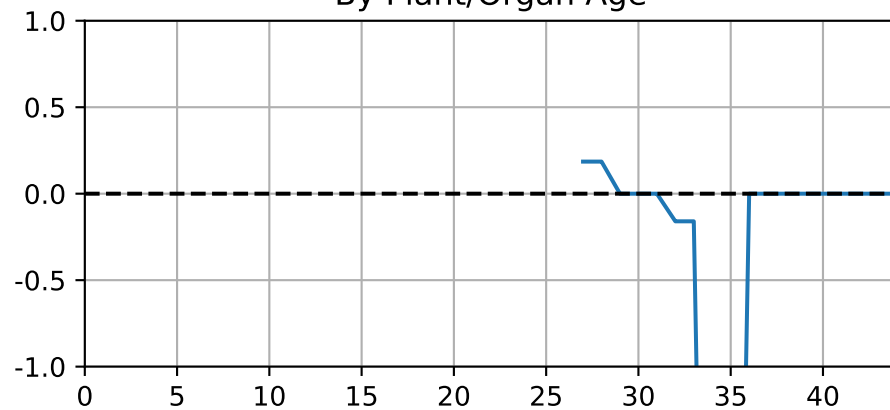
de (Def=12 Set=14.68)
avg1=14.68~40% avg2=na



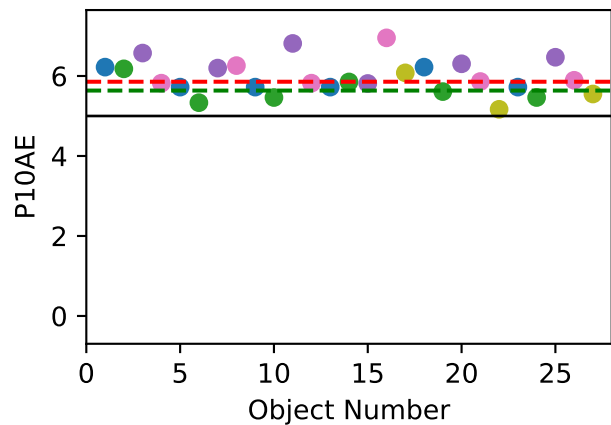
By Start Date



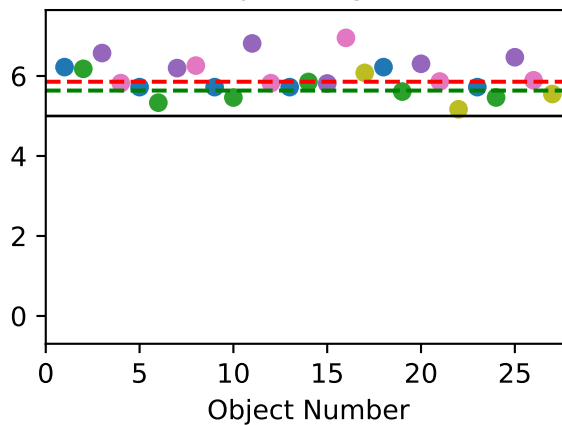
By Plant/Organ Age



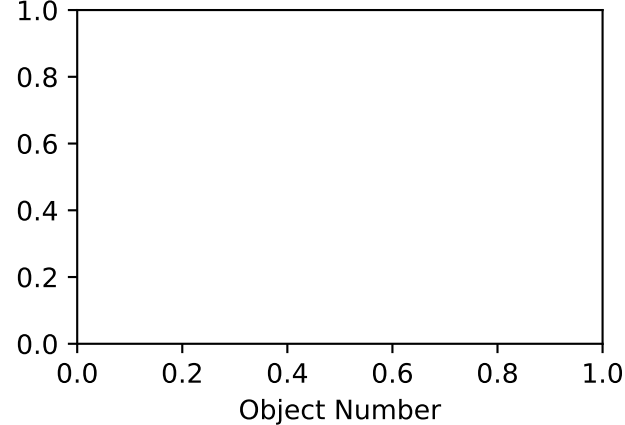
Fl_dm (Def=5 Set=5.86)
avg1=5.86~8% avg2=5.64~3%



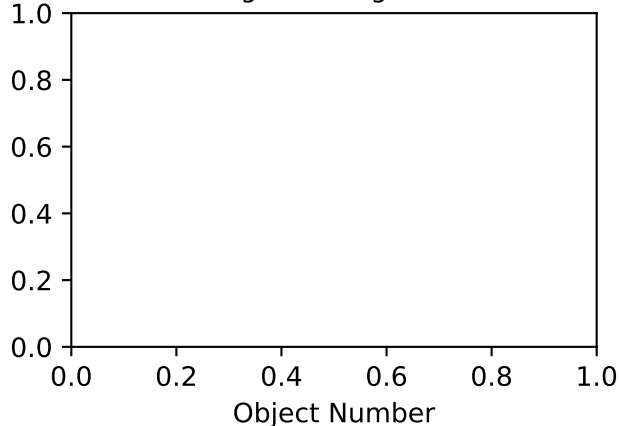
Fl_de (Def=5 Set=5.86)
avg1=5.86~8% avg2=5.64~3%



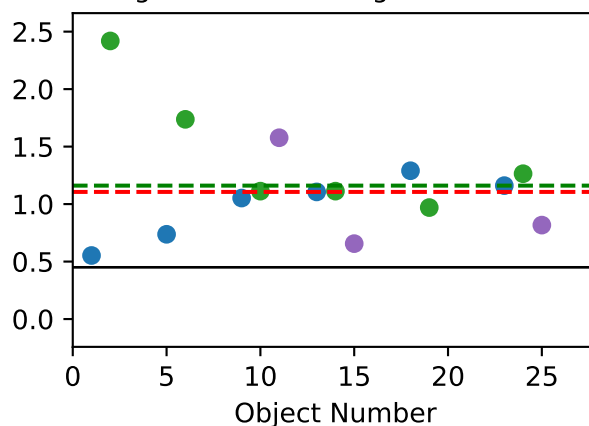
FrV_dm (Def=18 Set=18)
avg1=na avg2=na



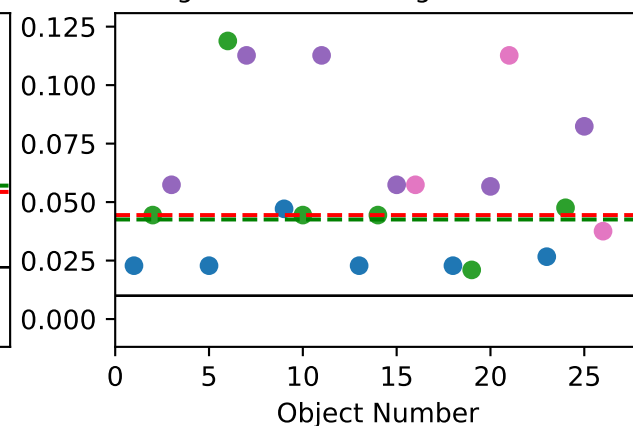
FrV_de (Def=15 Set=9.15)
avg1=na avg2=na



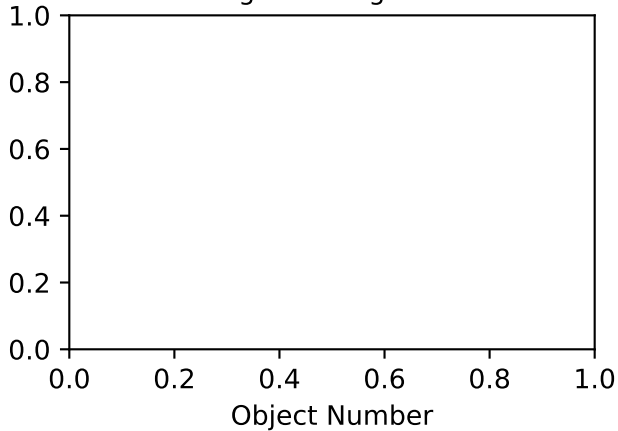
FrN_a (Def=0.45 Set=1.11)
avg1=1.11~33% avg2=1.16~20%



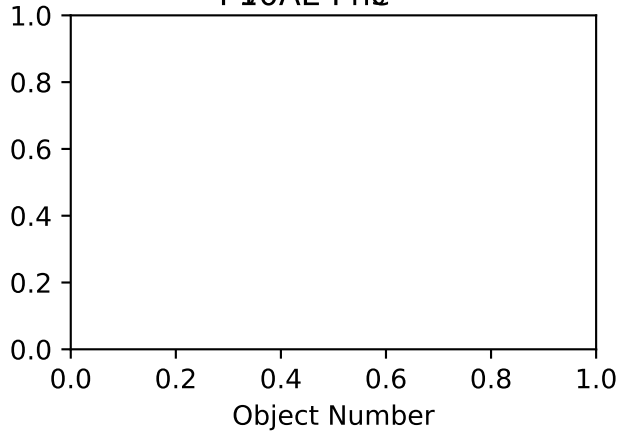
FSDdevStage (Def=0.01 Set=0.04)
avg1=0.04~35% avg2=0.04~57%



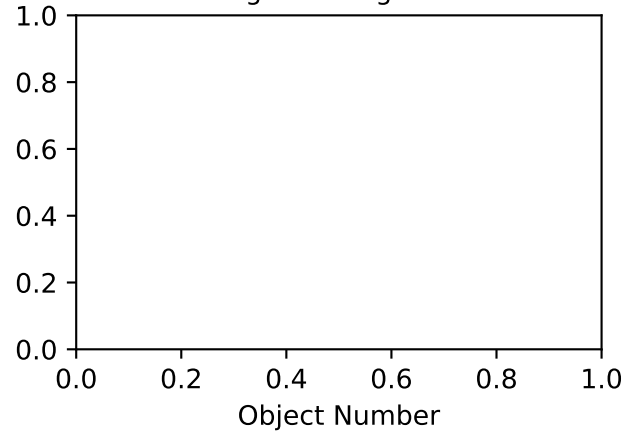
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



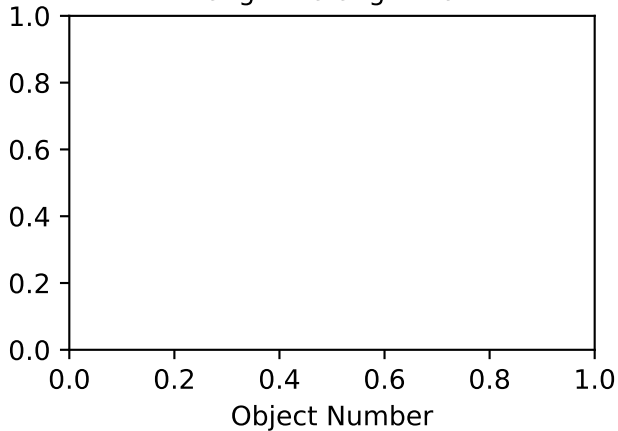
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



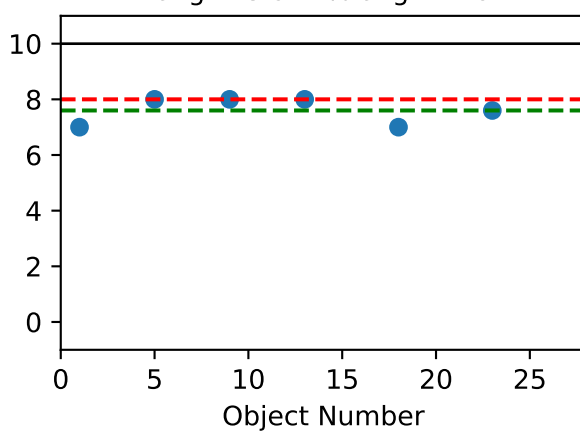
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na

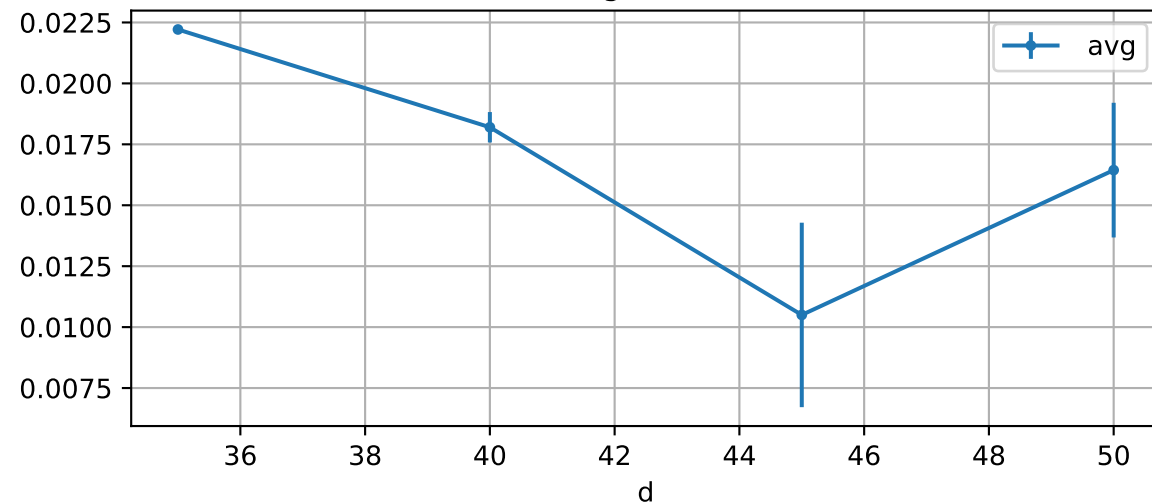


NNgen (Def=10 Set=8)
avg1=8.0~7% avg2=7.6

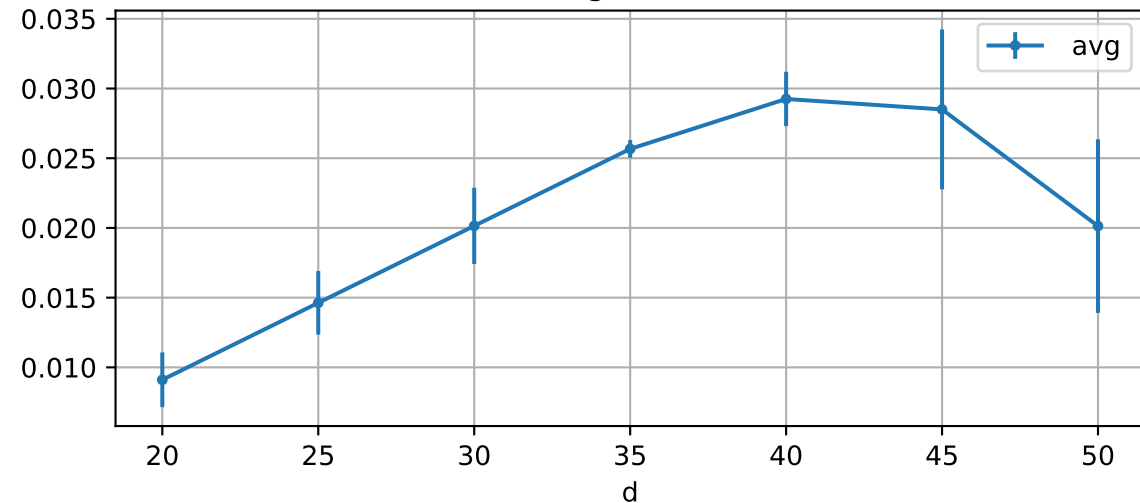


LfA: avg vs. d at each age group

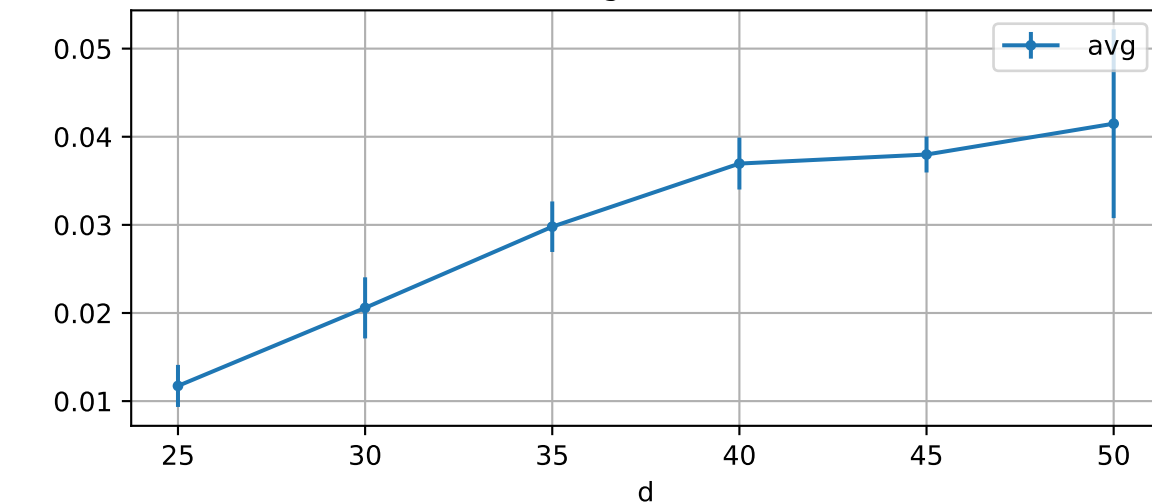
age=20



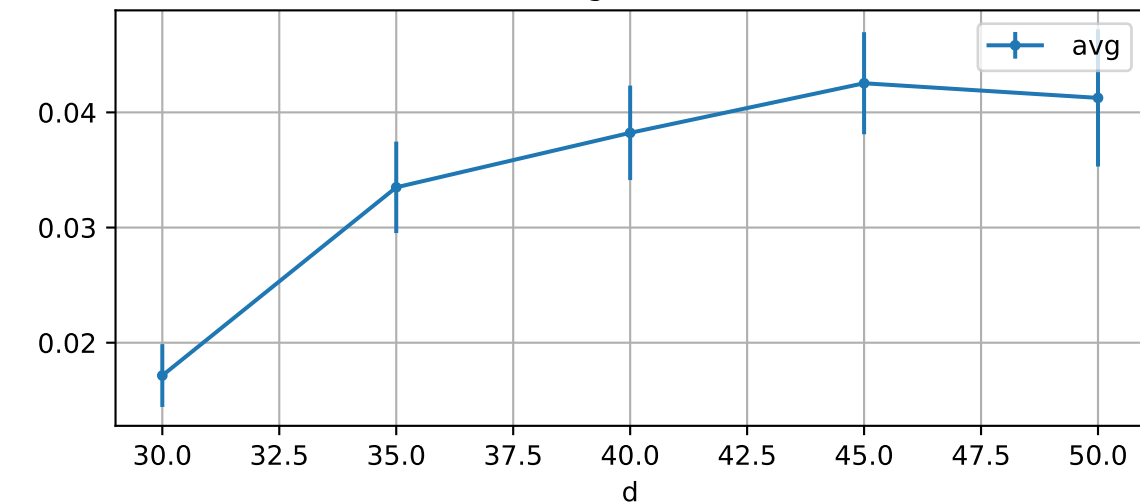
age=25



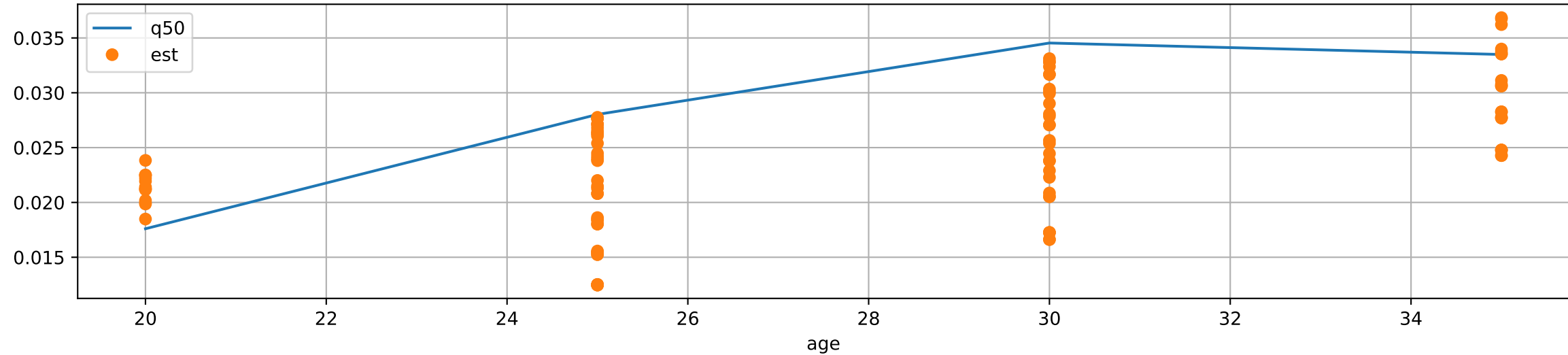
age=30



age=35

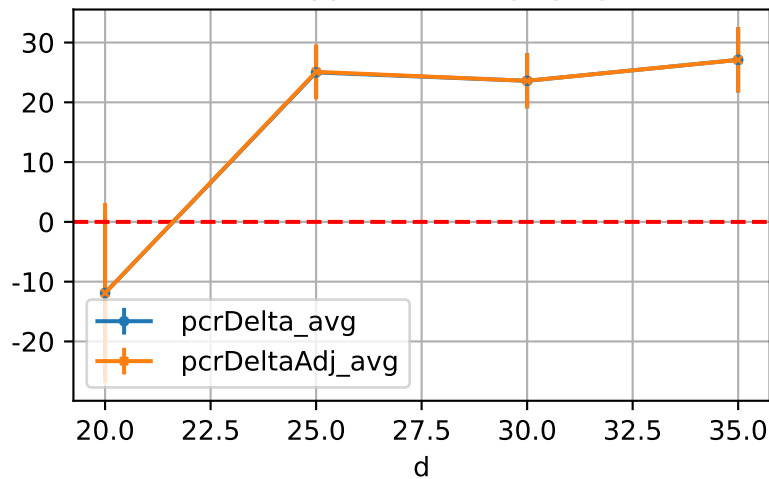


LfA: model est vs obsOv@Q50

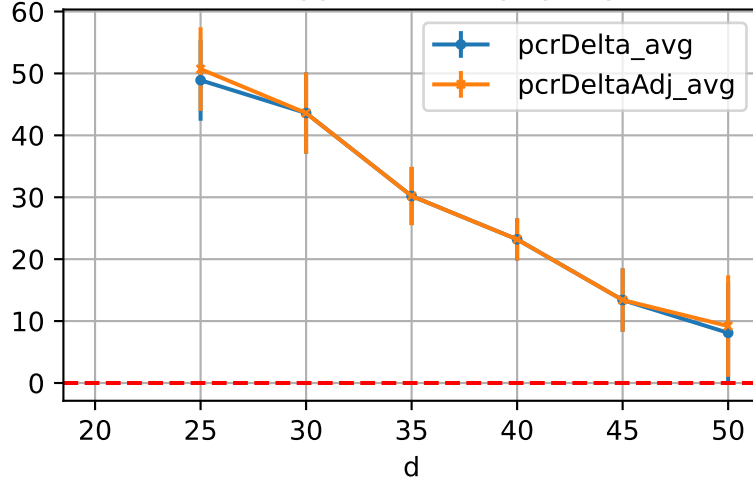


P10AE LfA: D_5d_LfA

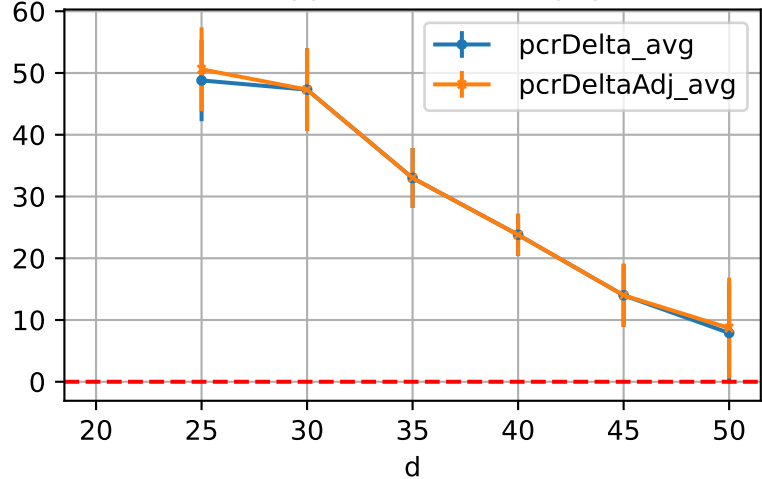
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

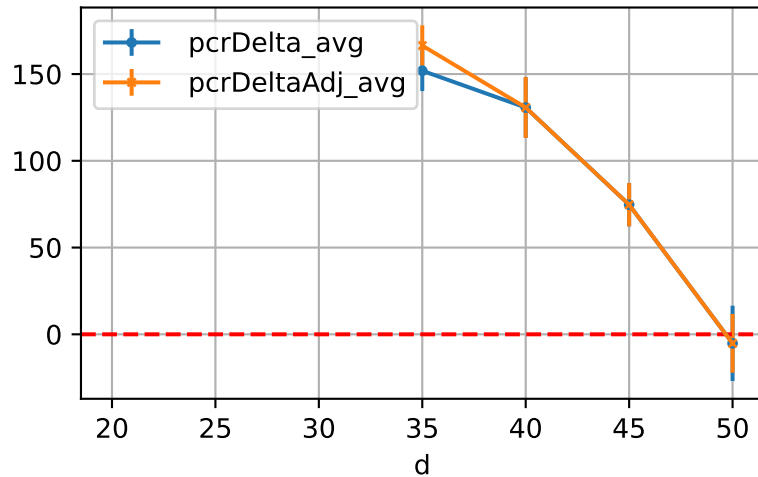


DeltaTypeAbbr=WeiAvgByD

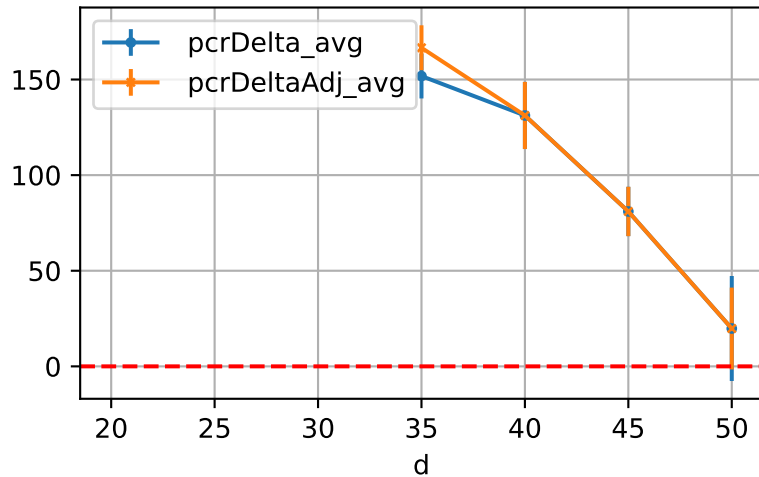


P10AE LfA: D_15d_LfA

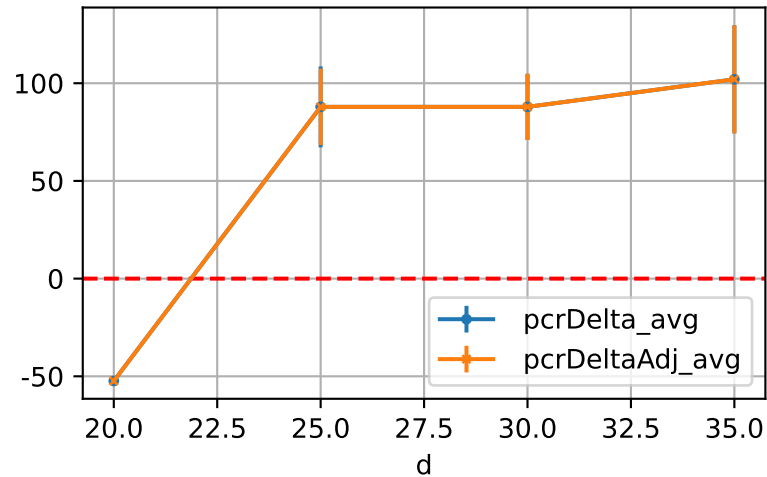
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

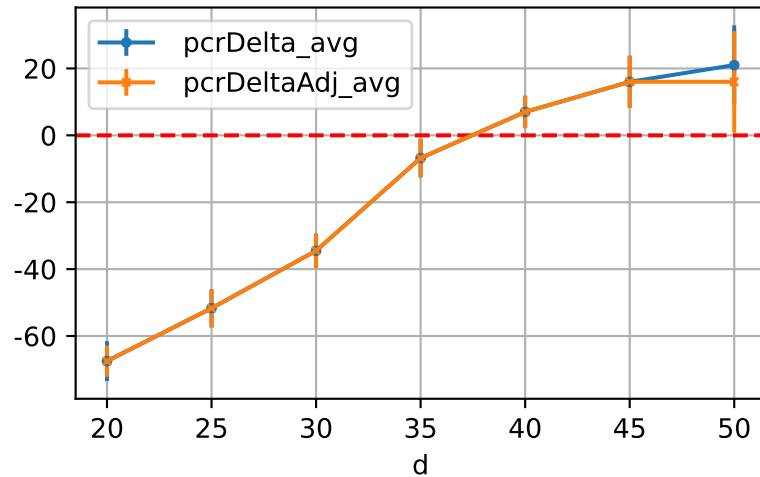


DeltaTypeAbbr=GrpByAge

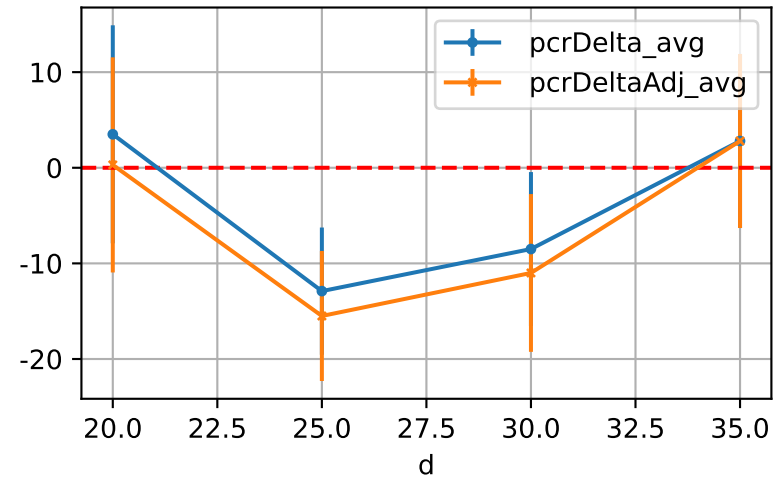


P10AE LfA: D_Q50_LfA

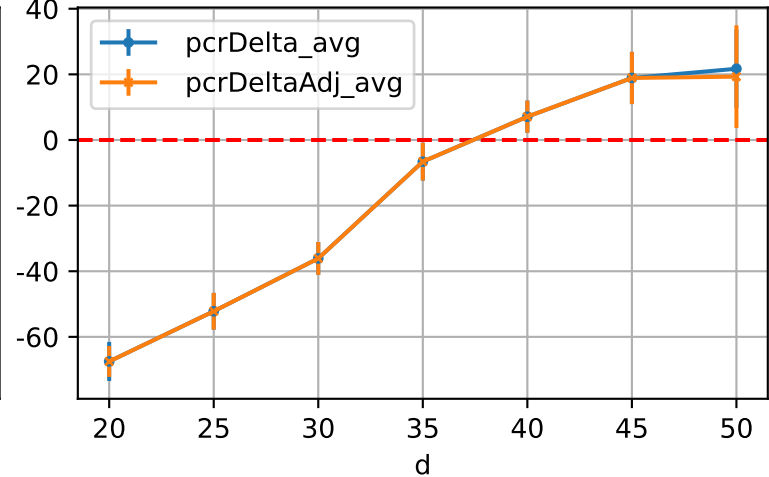
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

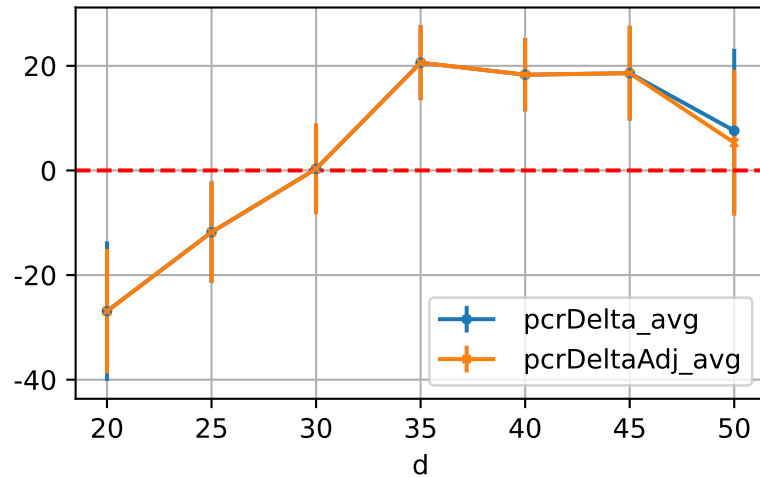


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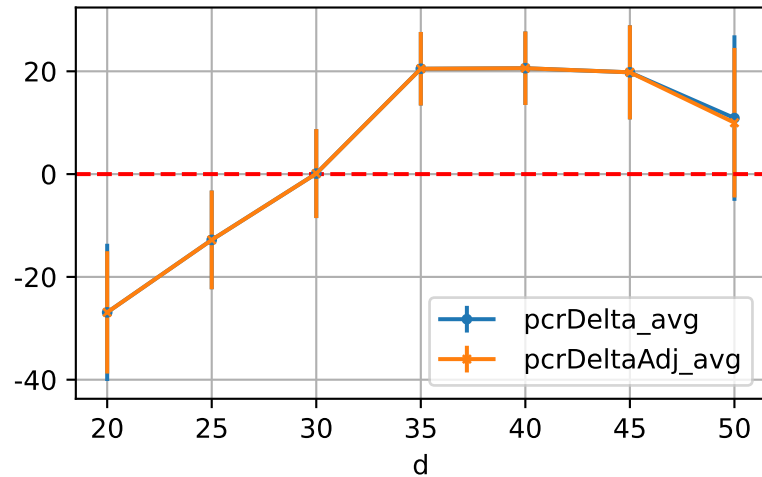


P10AE LfA: D_Est_LfA

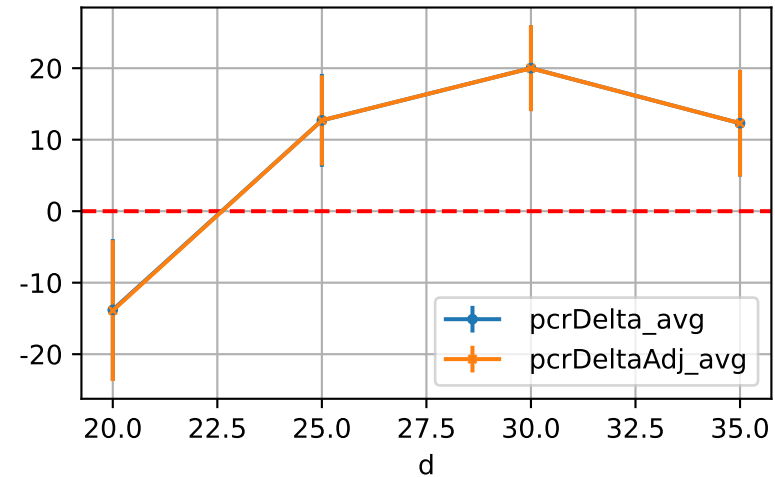
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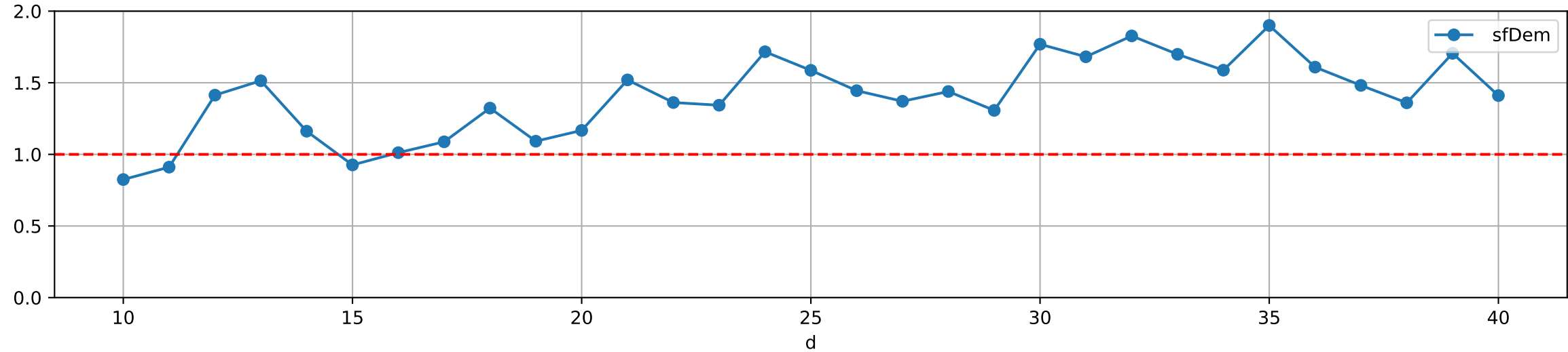
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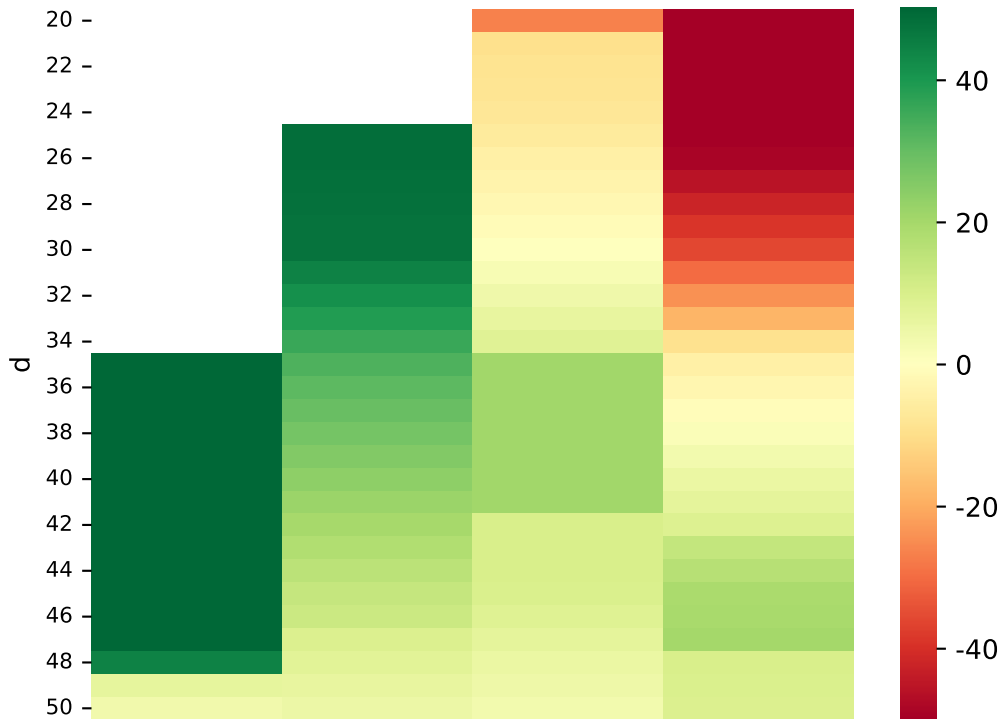


DeltaTypeAbbr=GrpByAge



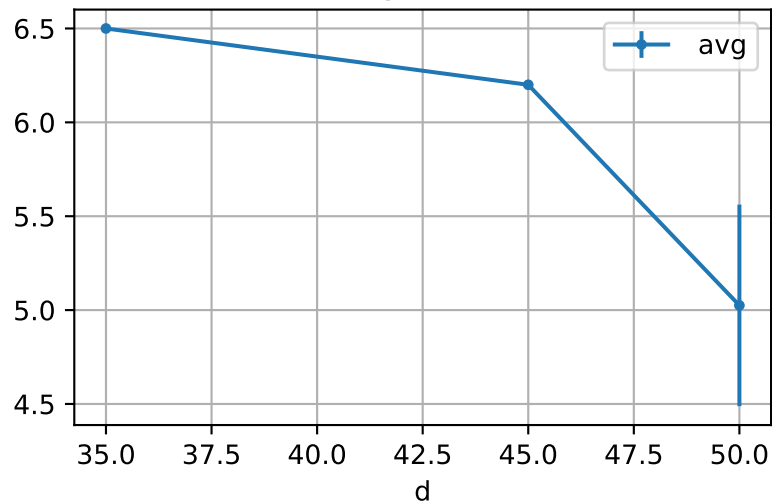
LfA: sfDem



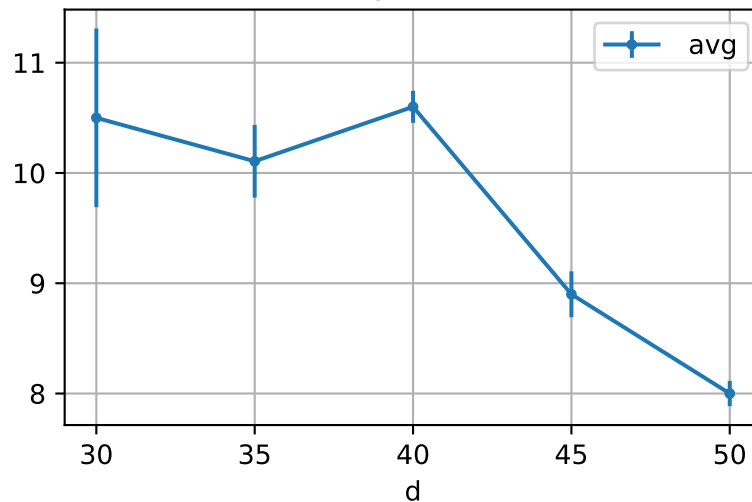


NdD: avg vs. d at each age group

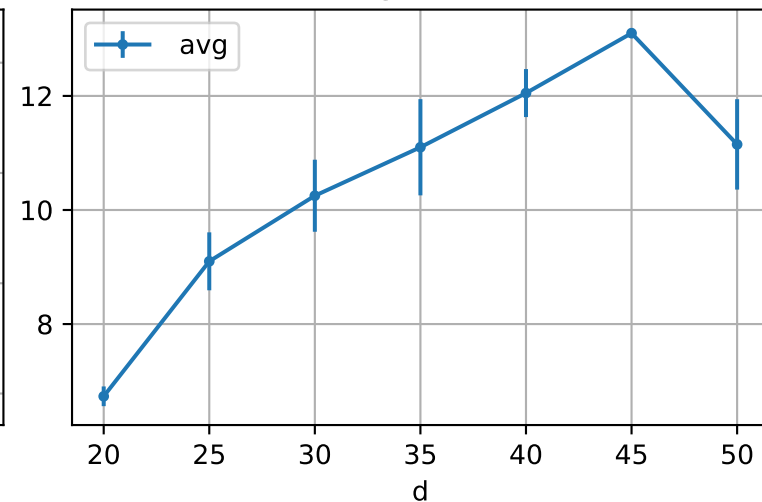
age=15



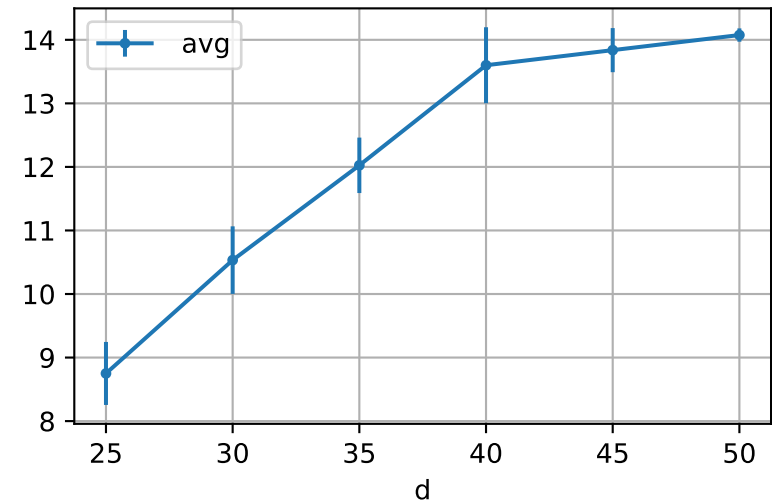
age=20



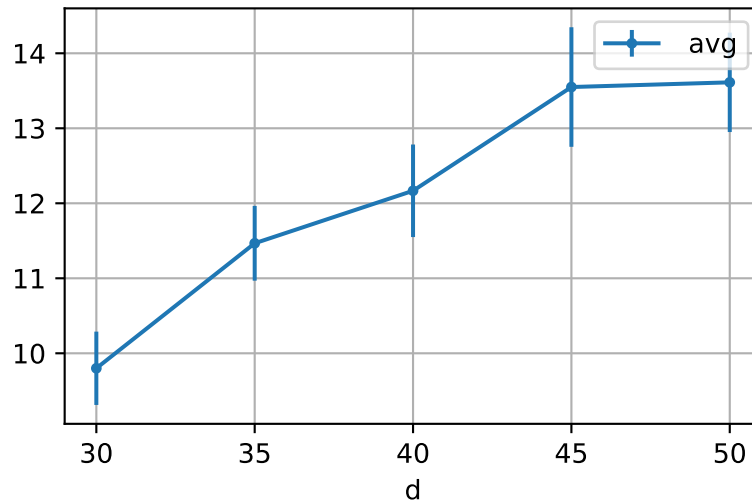
age=25



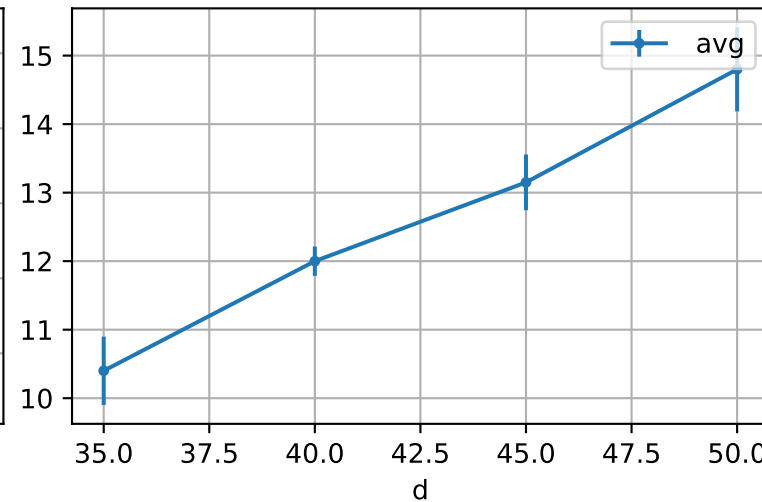
age=30



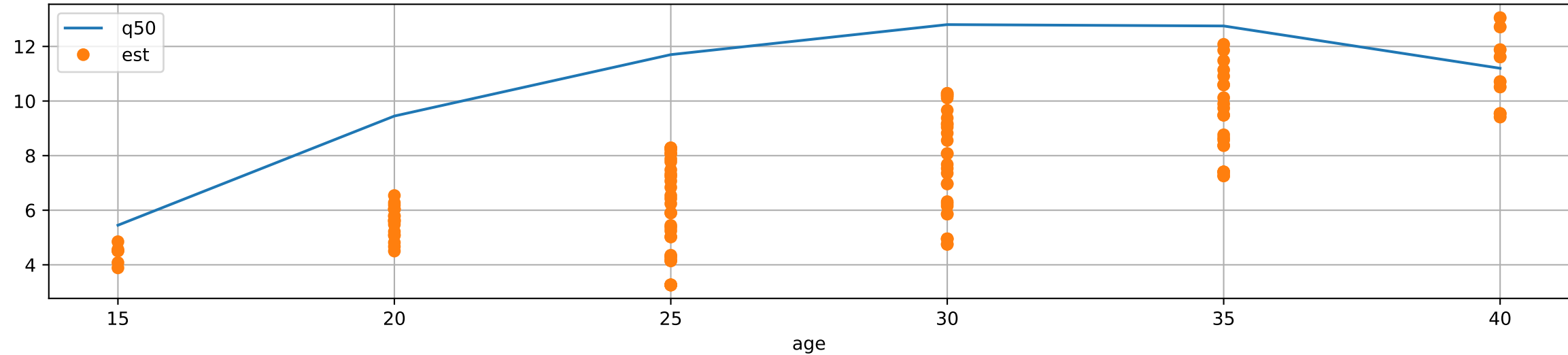
age=35



age=40

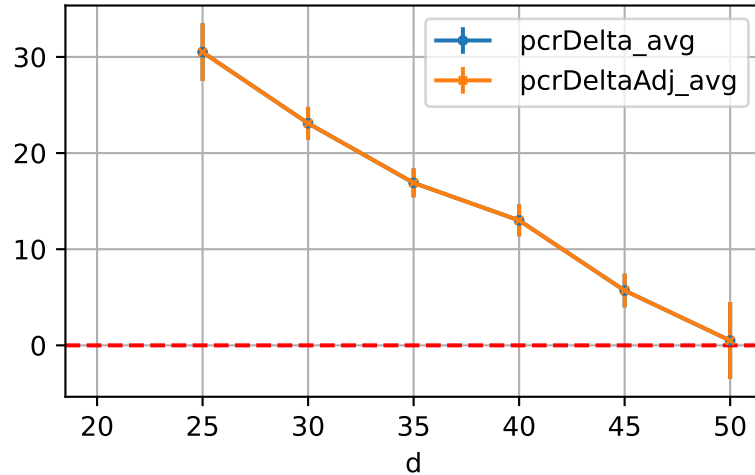


NdD: model est vs obsOv@Q50

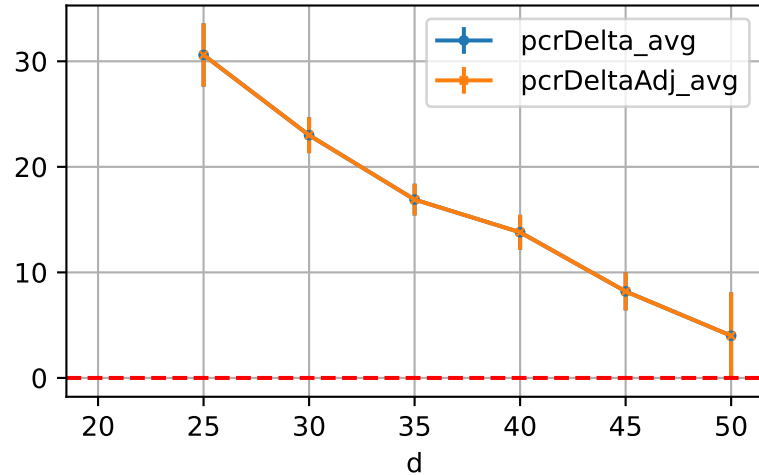


P10AE NdD: D_5d_NdD

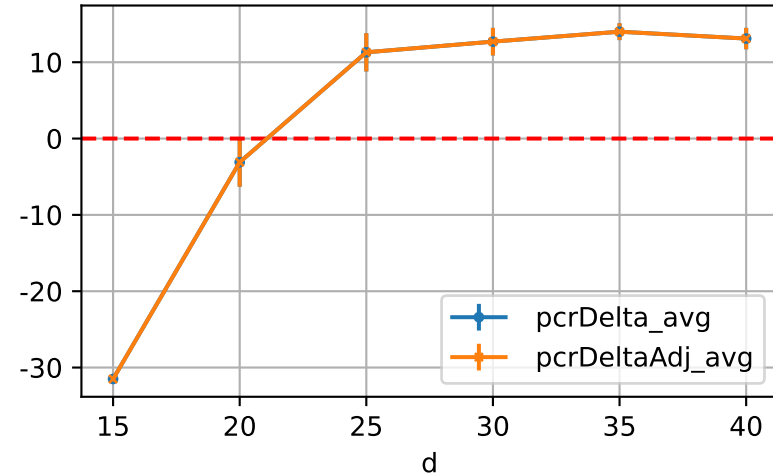
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

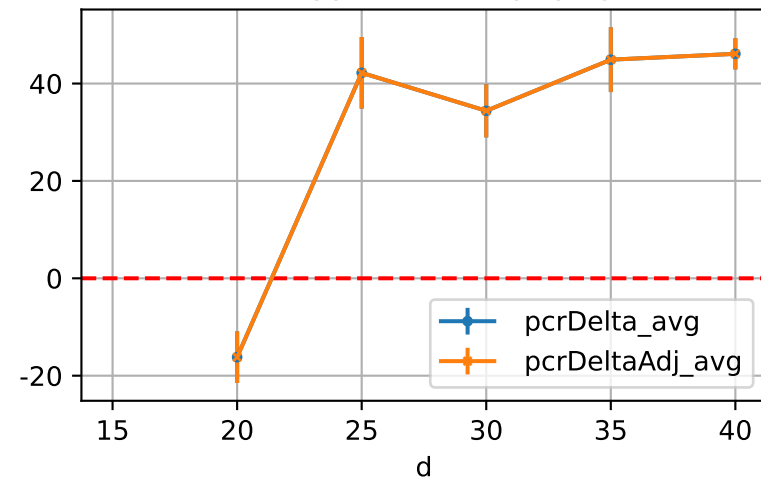


DeltaTypeAbbr=GrpByAge

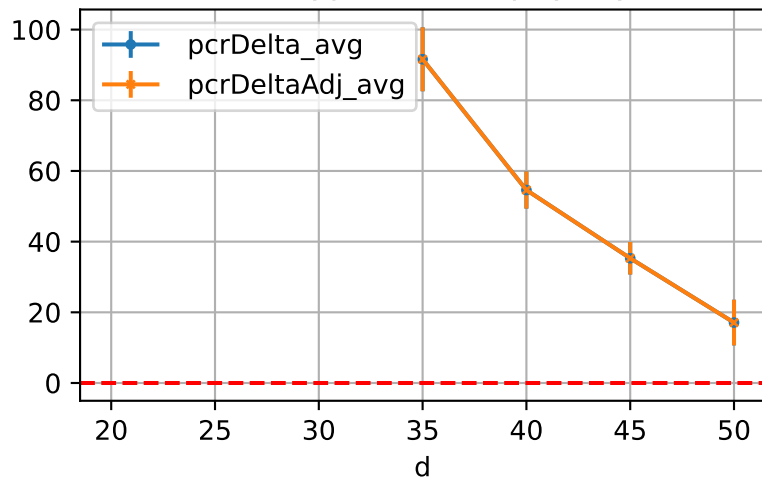


P10AE NdD: D_15d_NdD

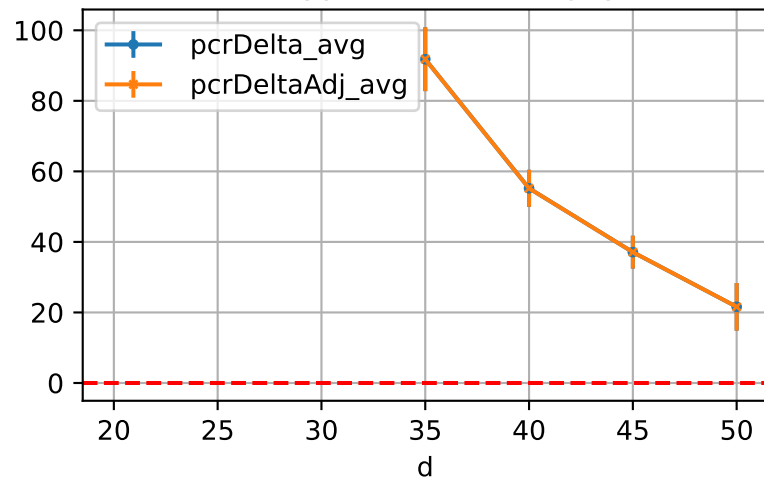
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

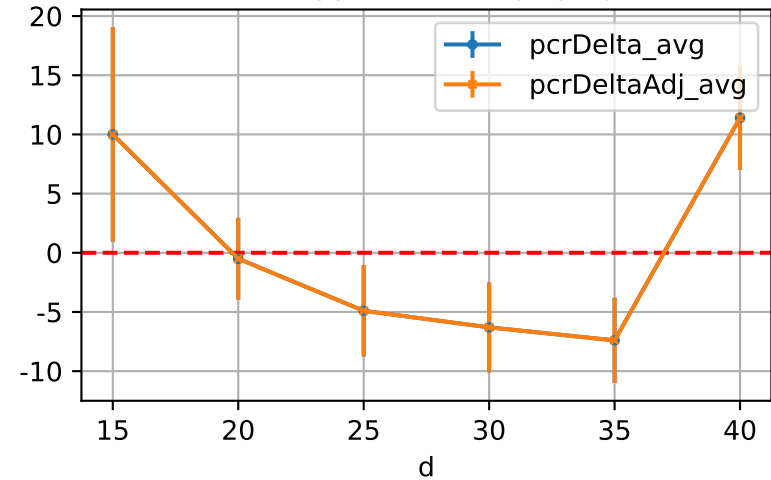


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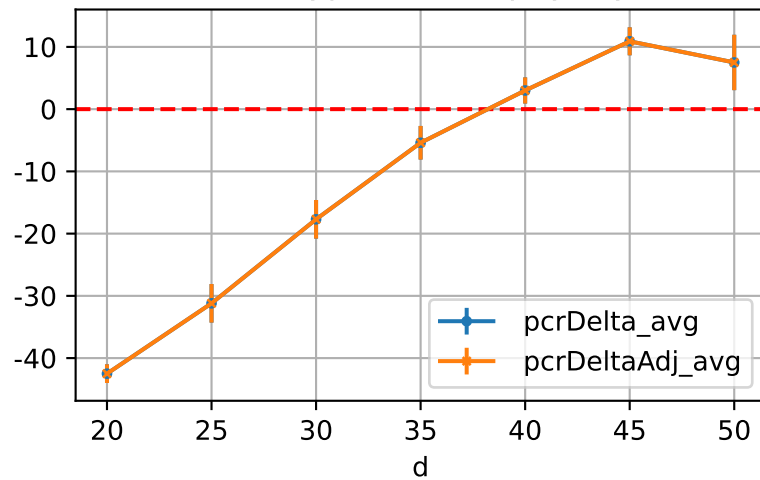
P10AE NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByAge

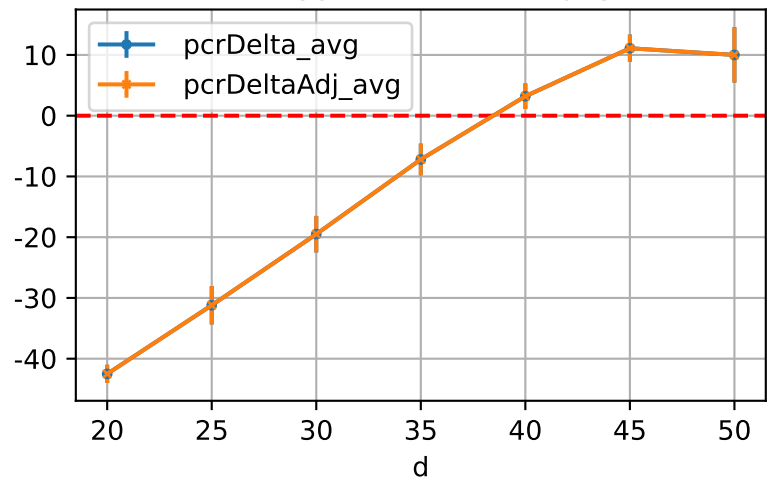


P10AE NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByDay

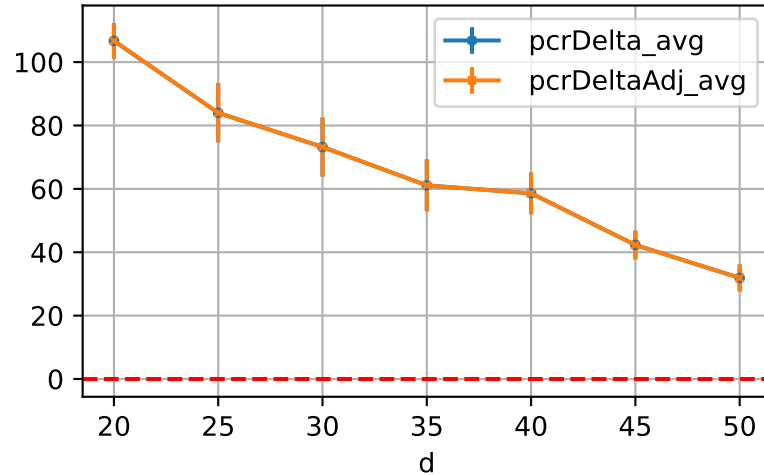


DeltaTypeAbbr=WeiAvgByD

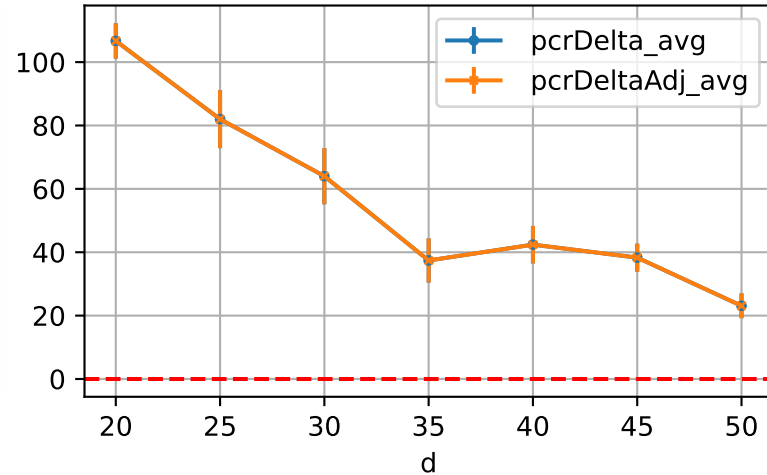


P10AE NdD: D_Est_NdD

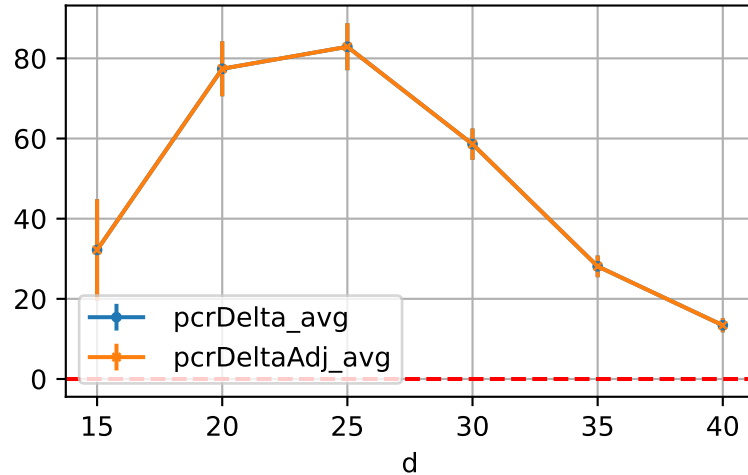
DeltaTypeAbbr=GrpByDay



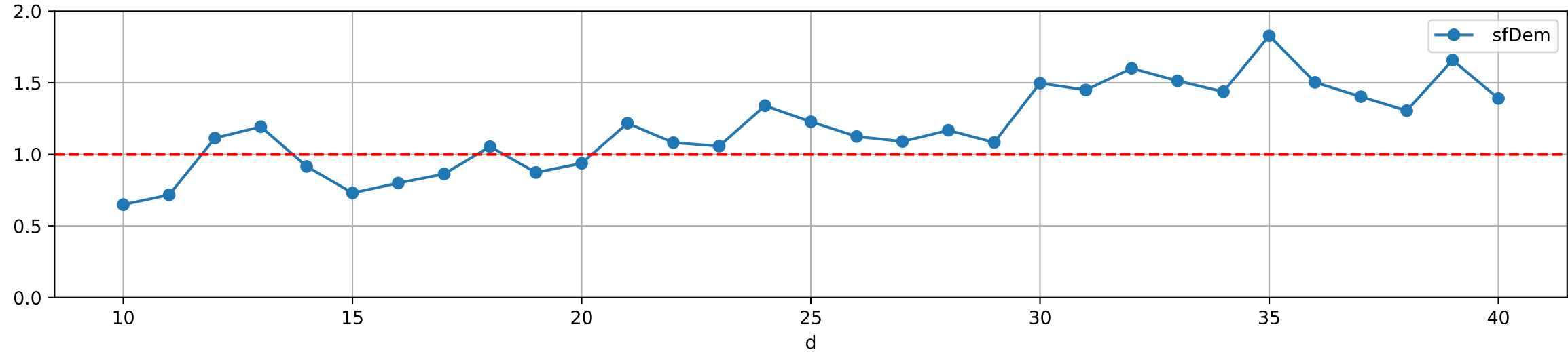
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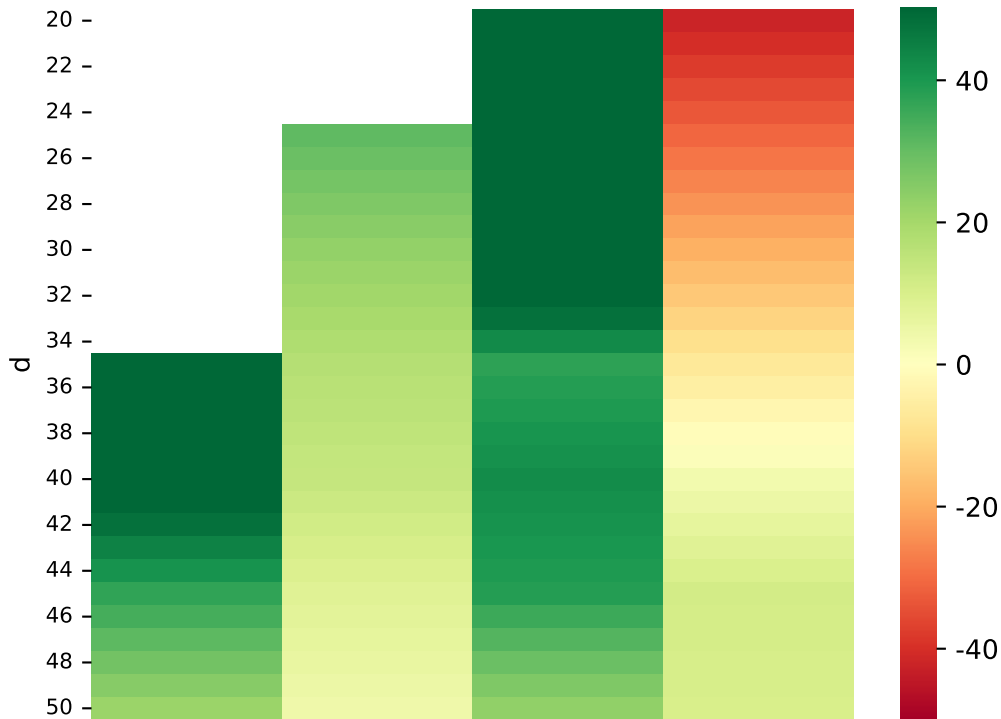


DeltaTypeAbbr=GrpByAge

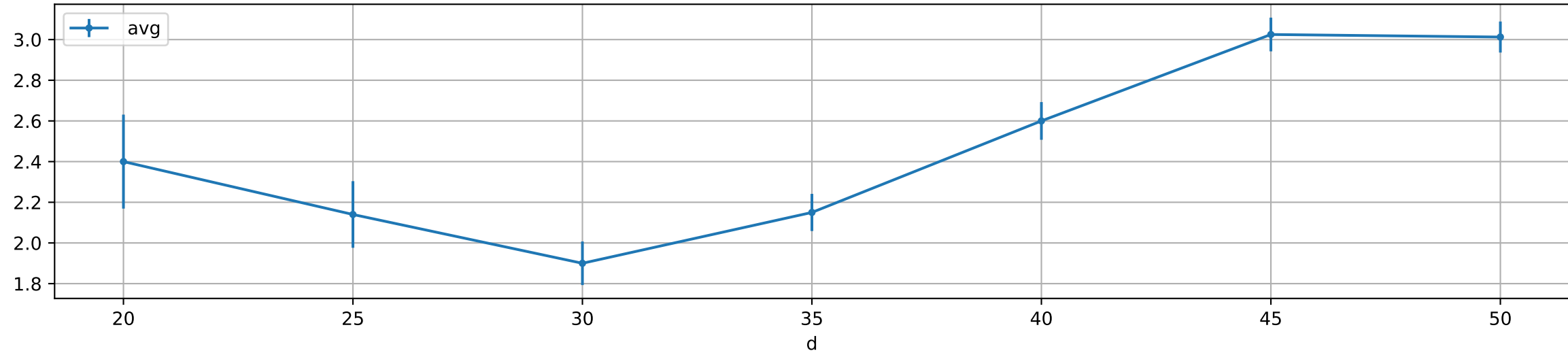


NdD: sfDem

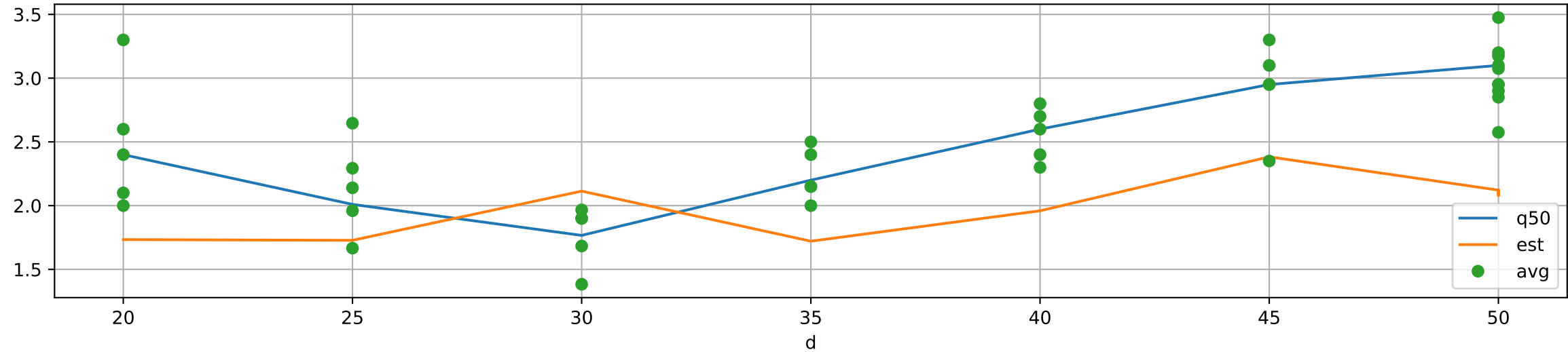




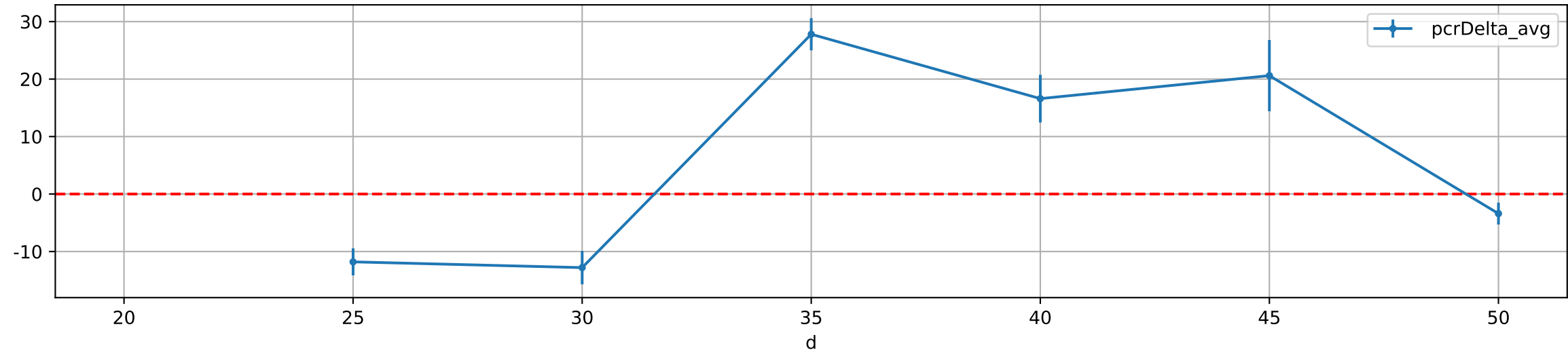
dStH: avg vs. d



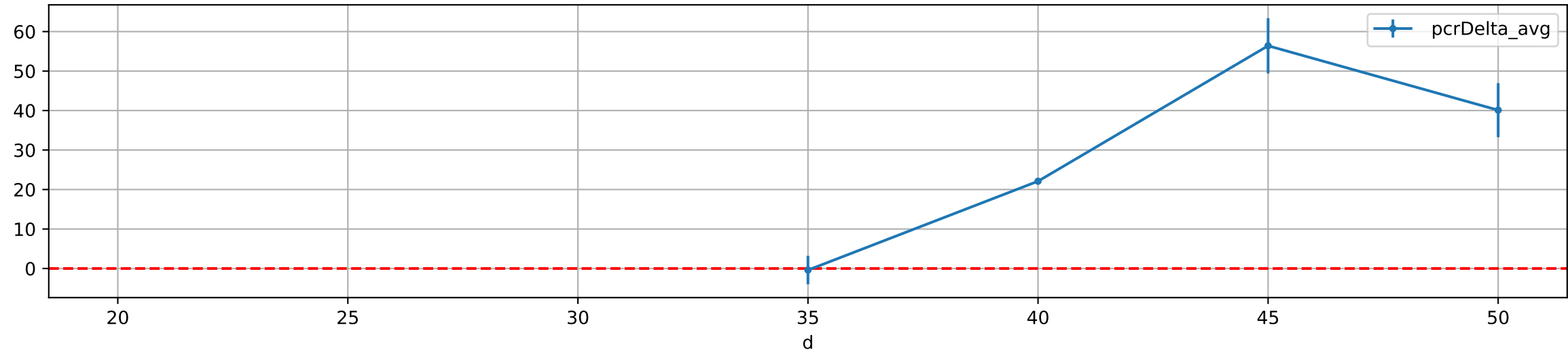
dStH: obsAvg vs obsOv@Q50



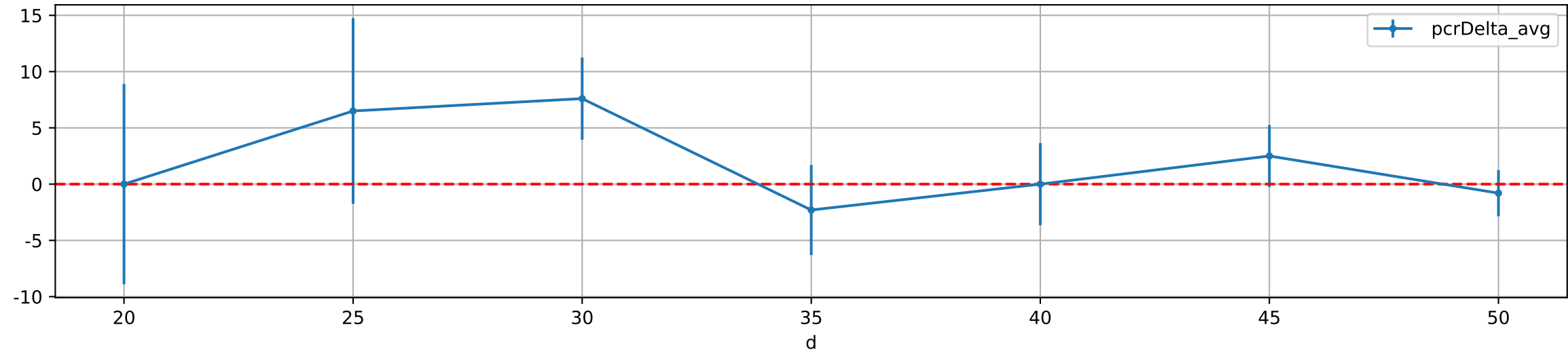
dStH: D_5d_StH



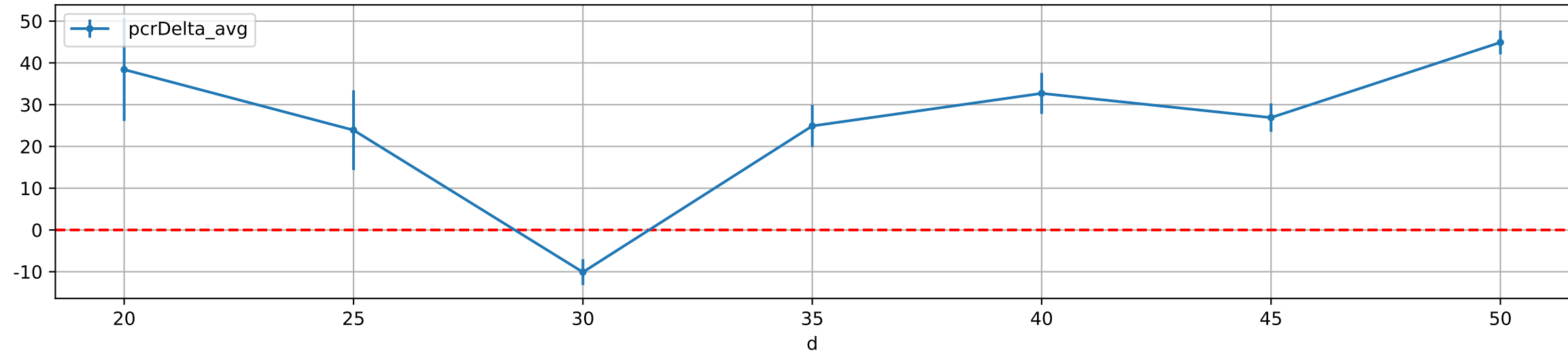
dStH: D_15d_StH



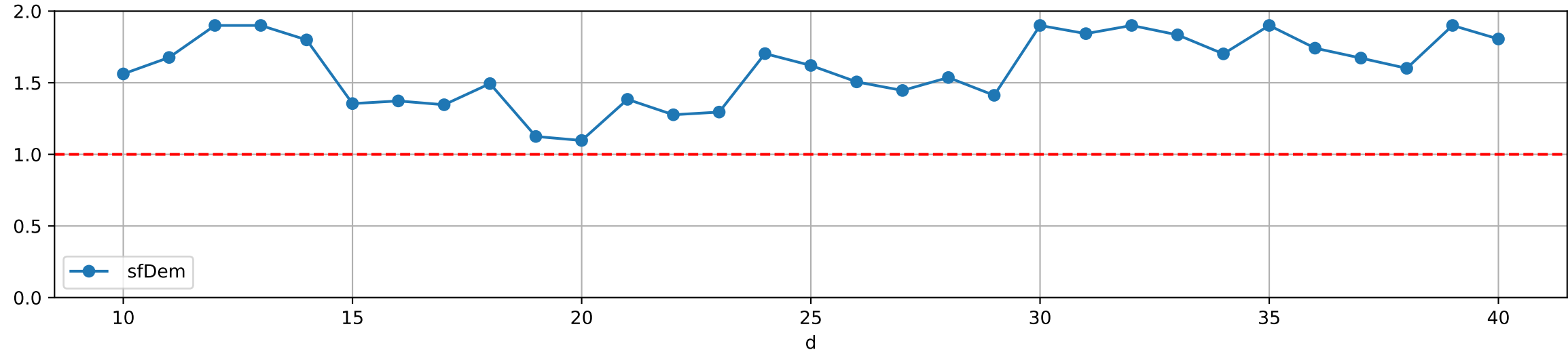
dStH: D_Q50_StH



dStH: D_Est_StH



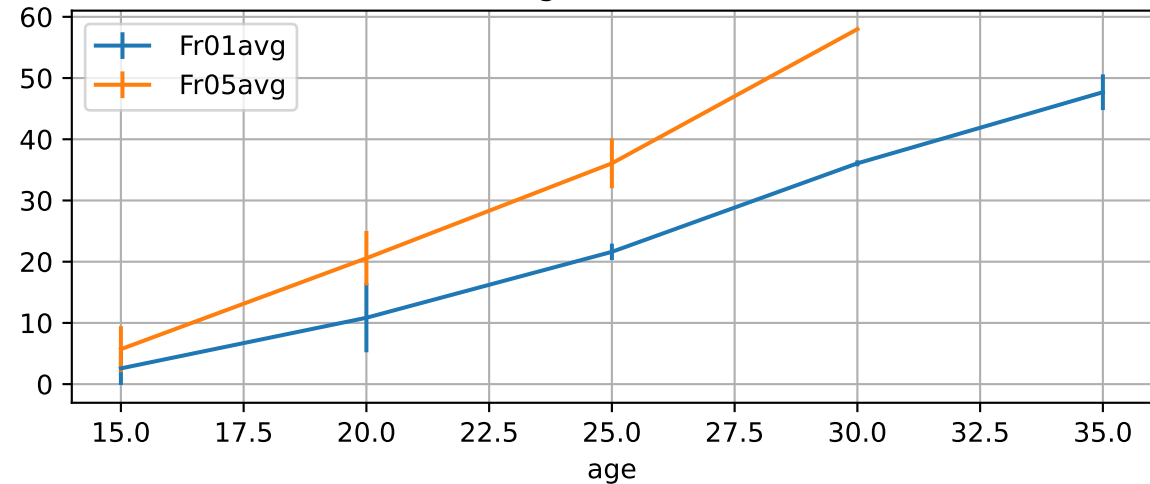
dStH: sfDem



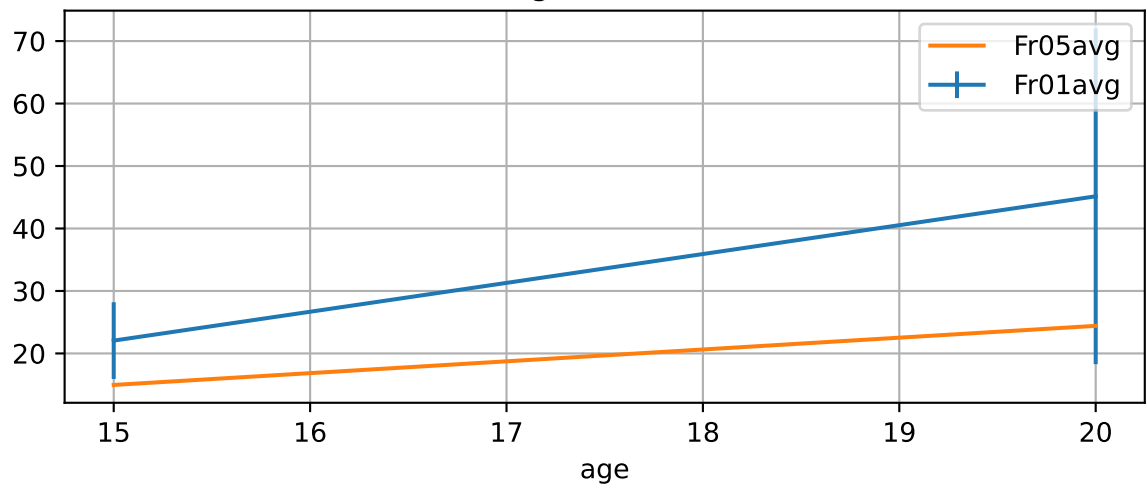


FrV: Fr01 vs Fr05 at each truss

organID=T01

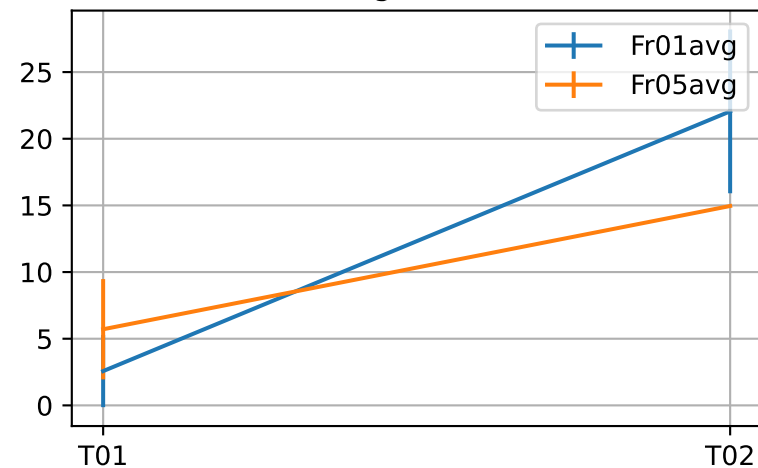


organID=T02

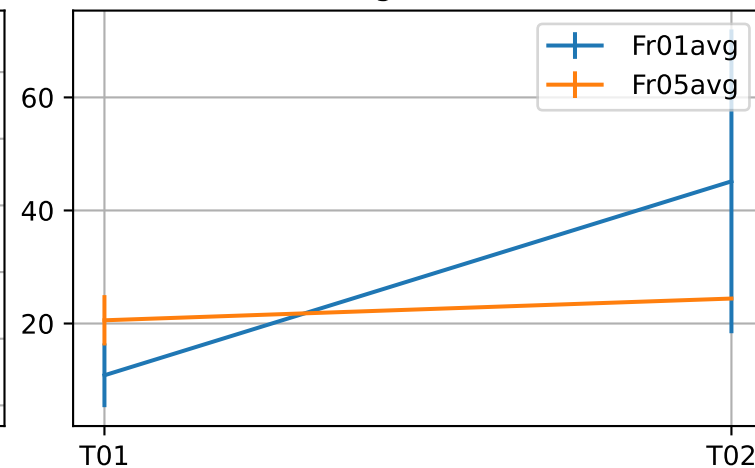


FrV trend at each age

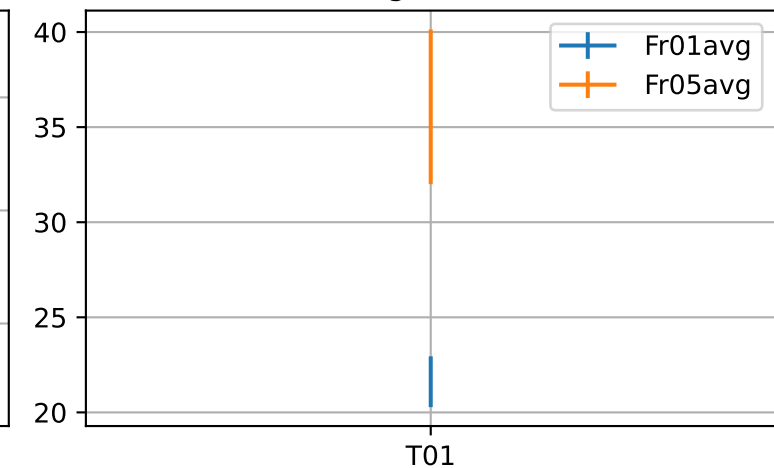
age=15



age=20

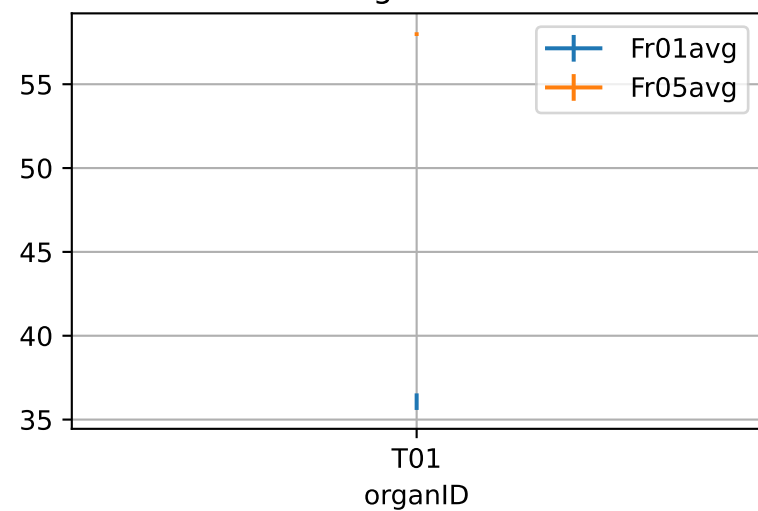


age=25



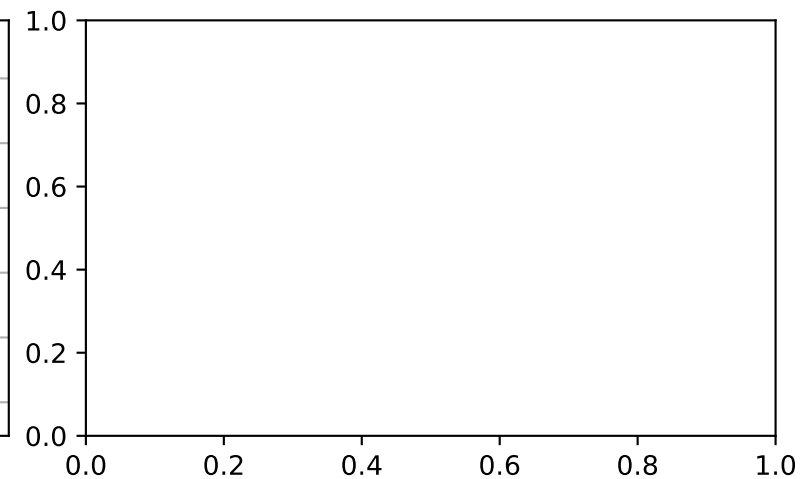
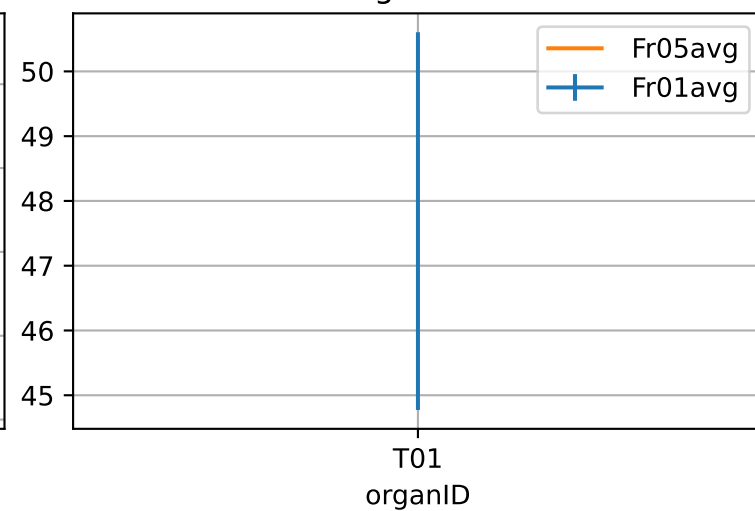
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age=30

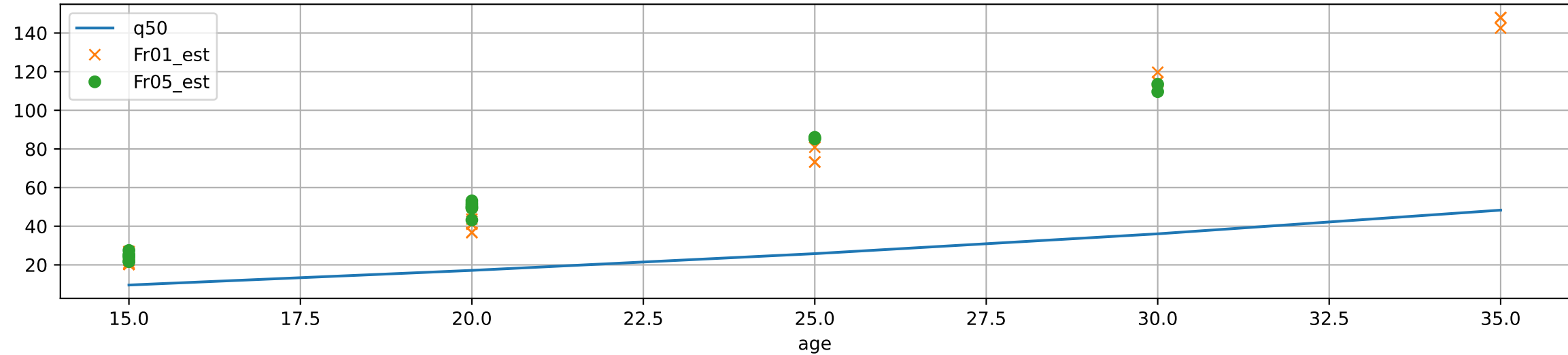


organID

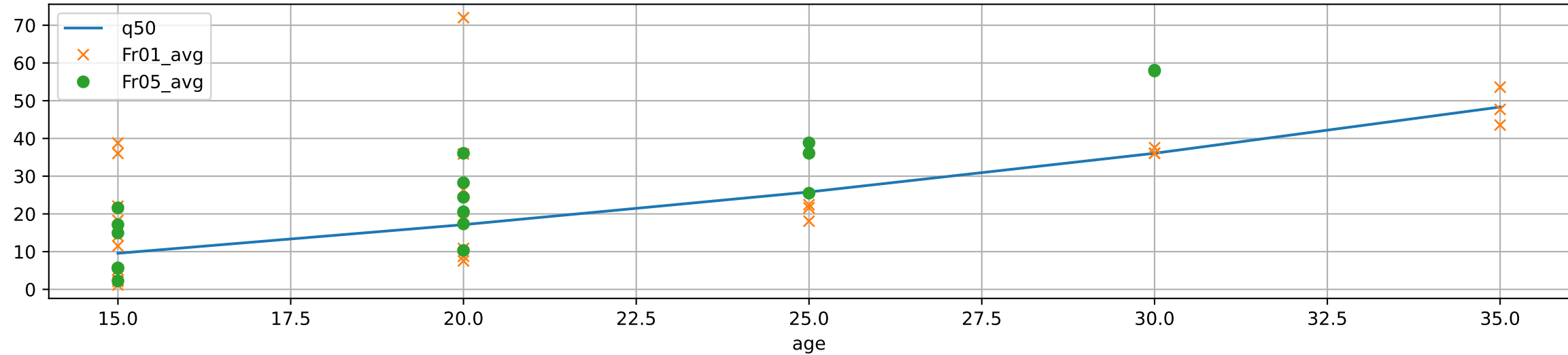
age=35



FrV: model Est vs obsFrV at Q90

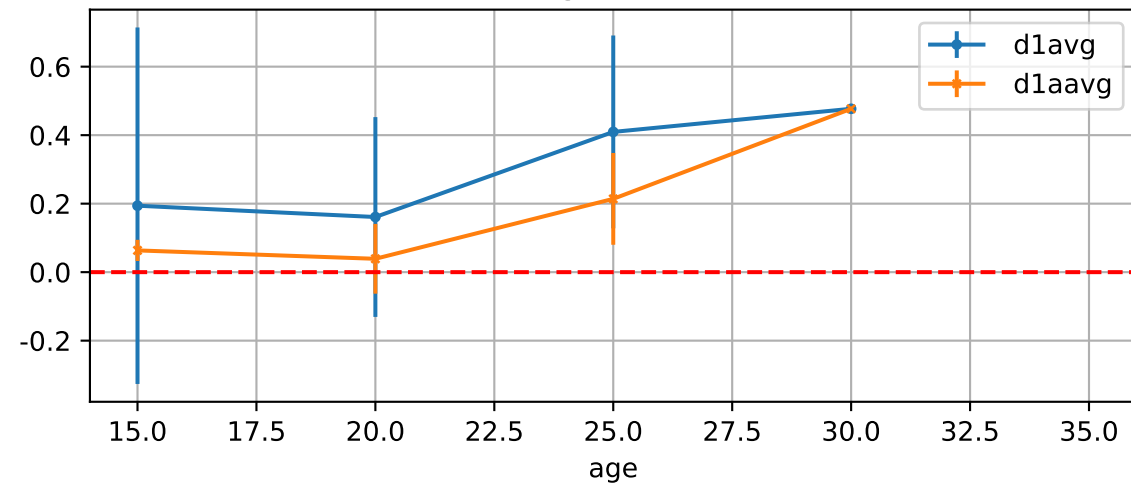


FrV: obsFrV vs obsFrV@Q90

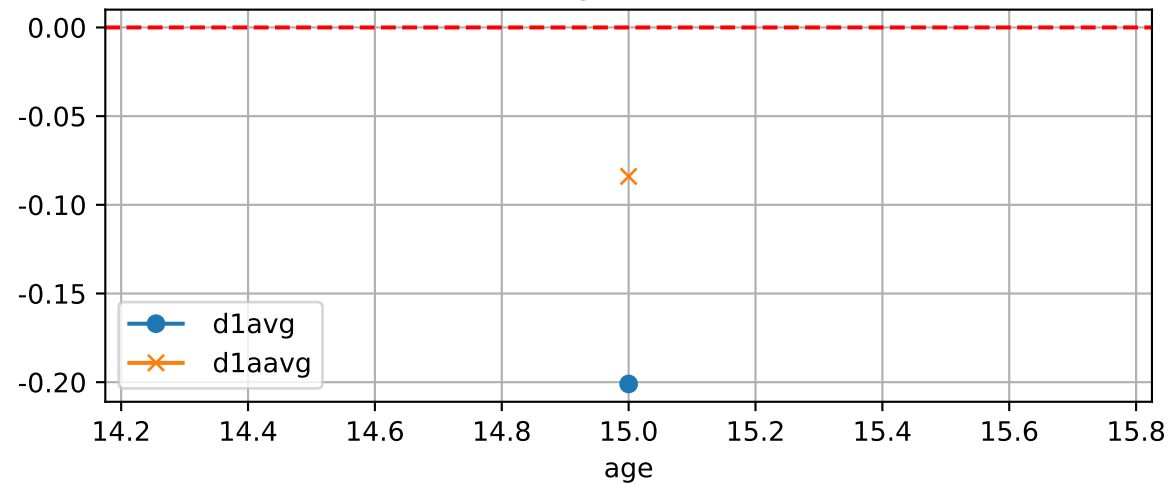


FrV: D_Fr1_FrV

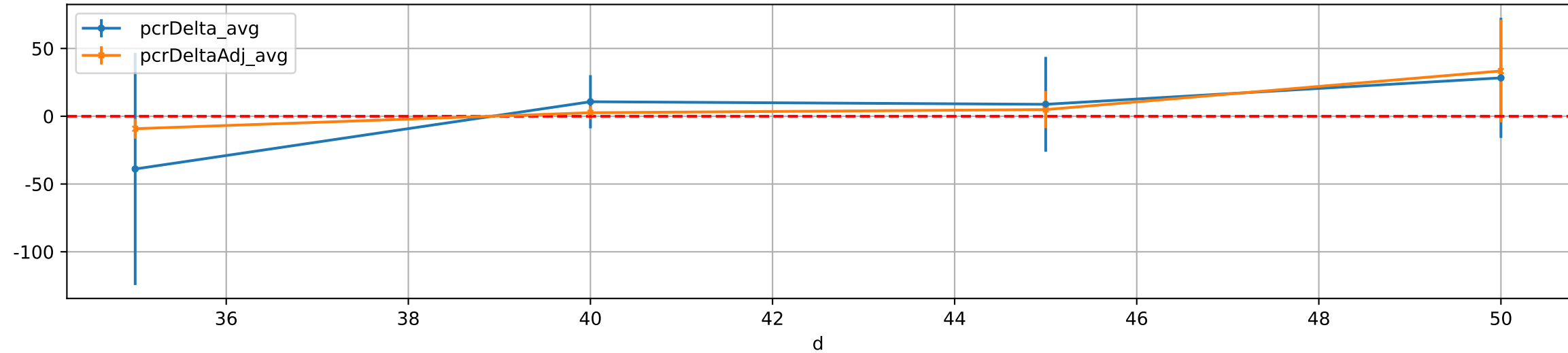
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organID=2

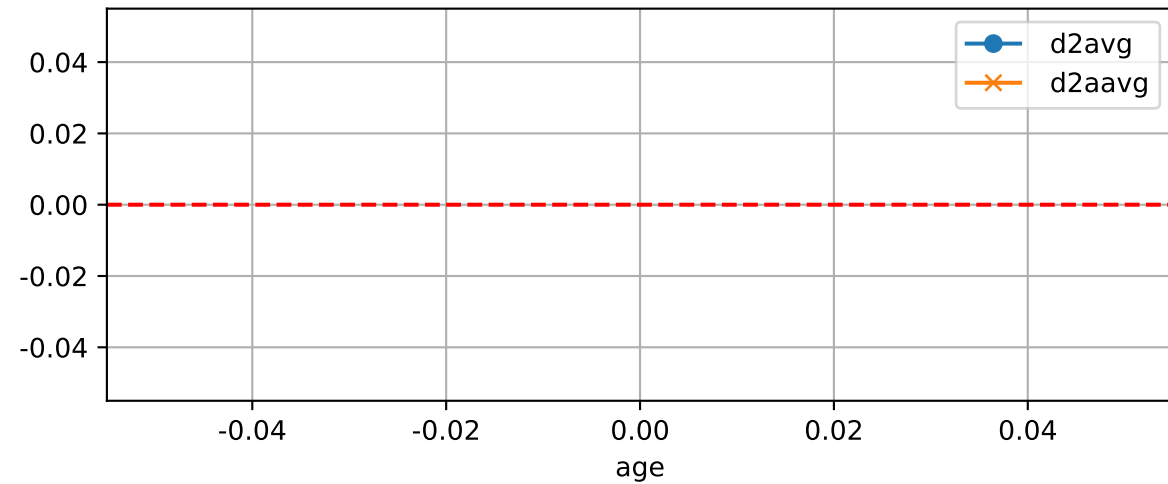


P10AE FrV: D_Fr1_FrV

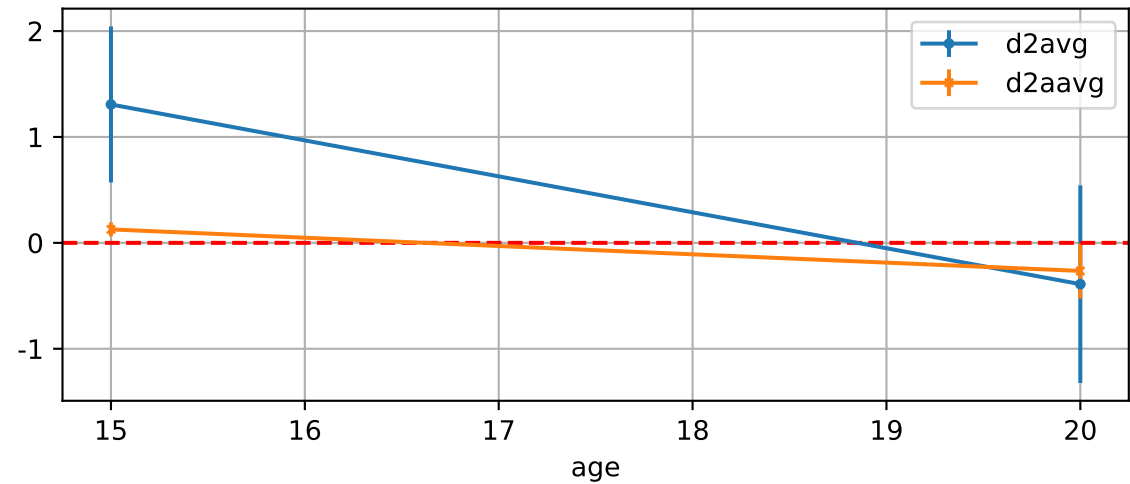


FrV: D_Ts_FrV

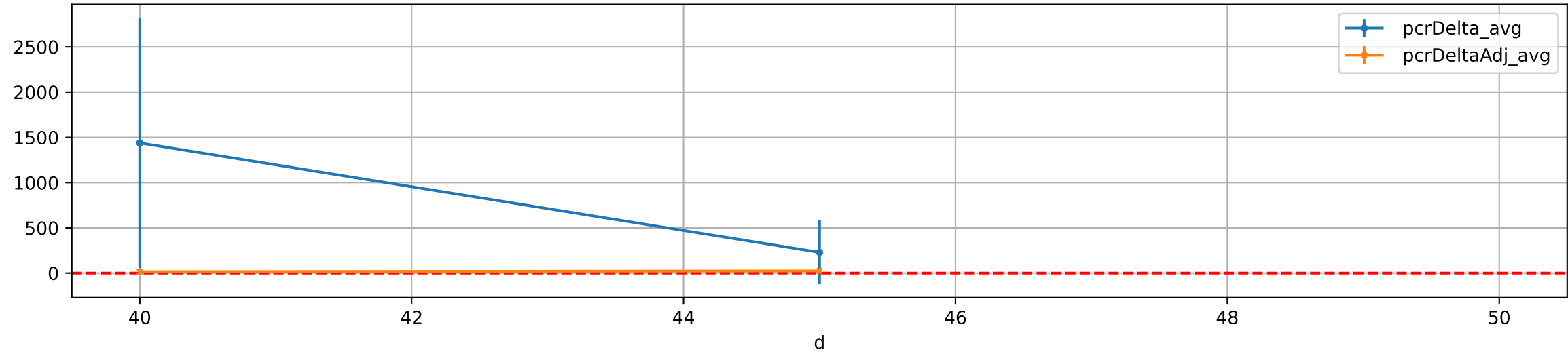
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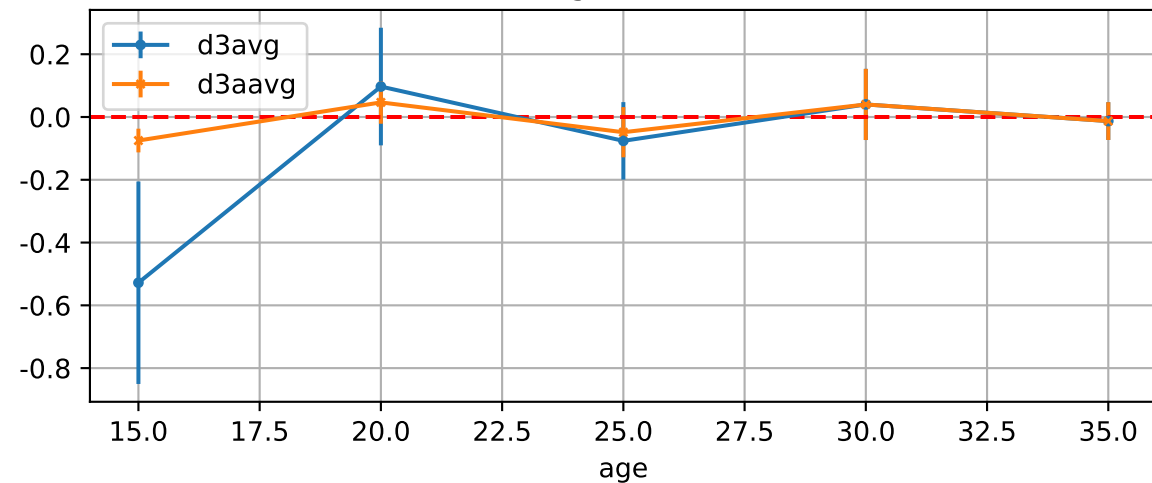


P10AE FrV: D_Ts_FrV

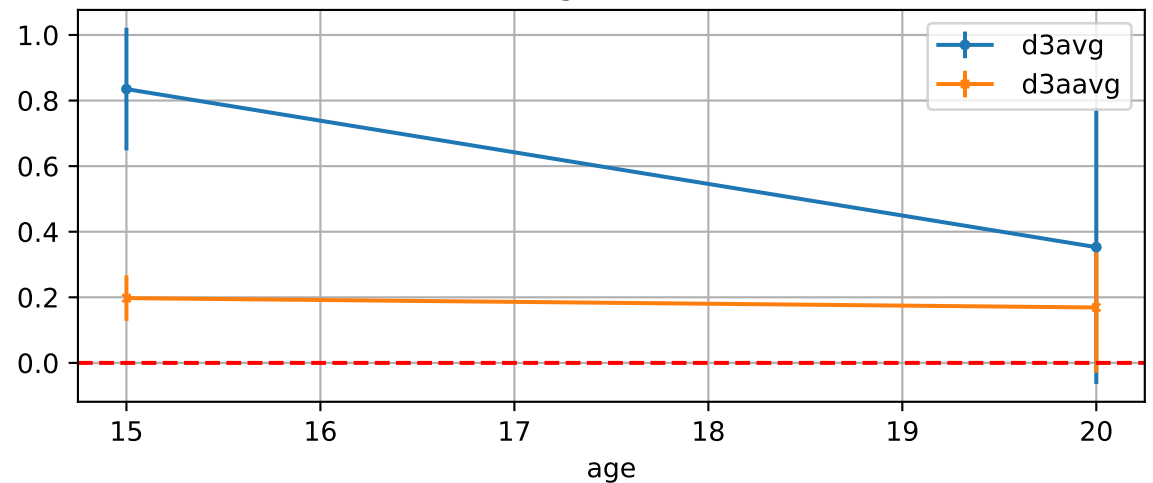


FrV: D_Q50_FrV

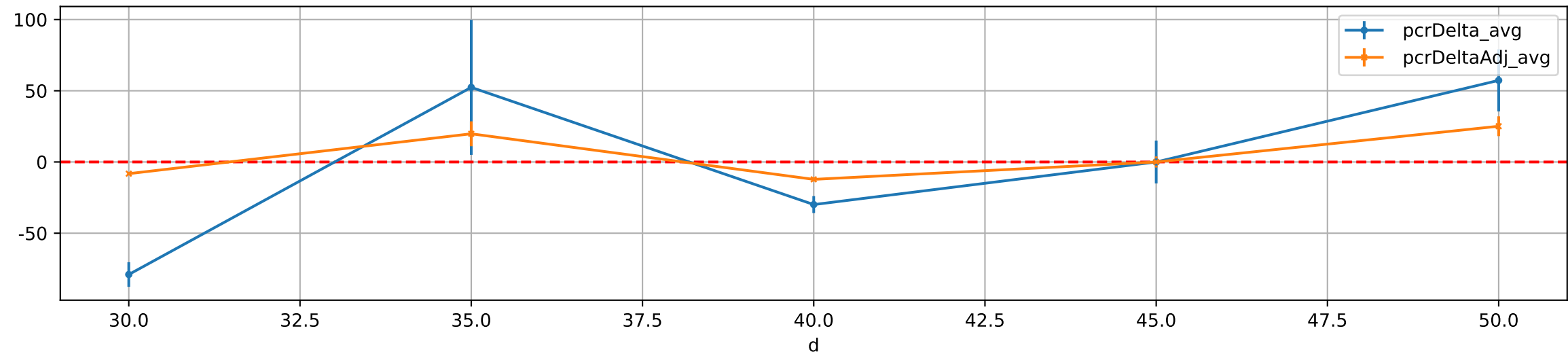
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organID=2

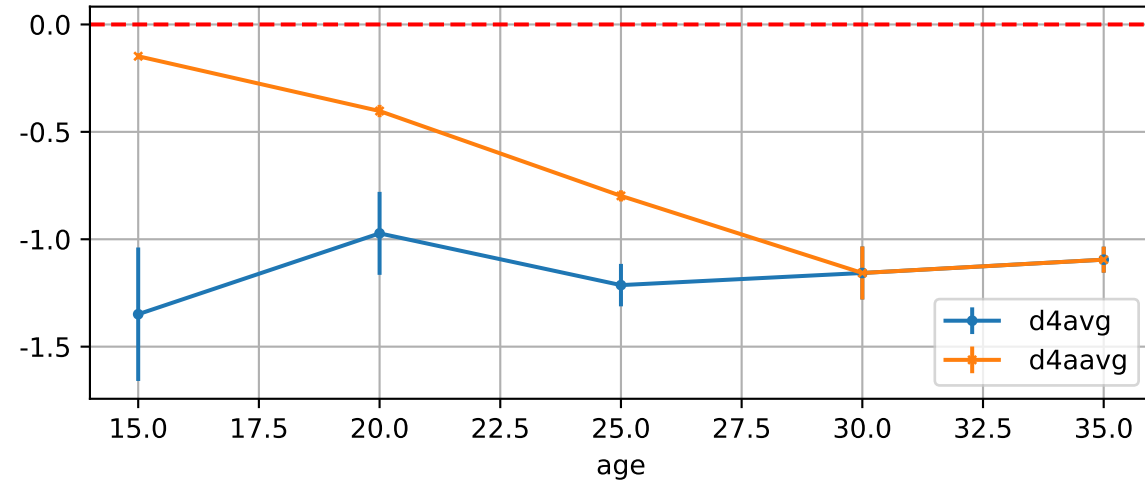


P10AE FrV: D_Q50_FrV

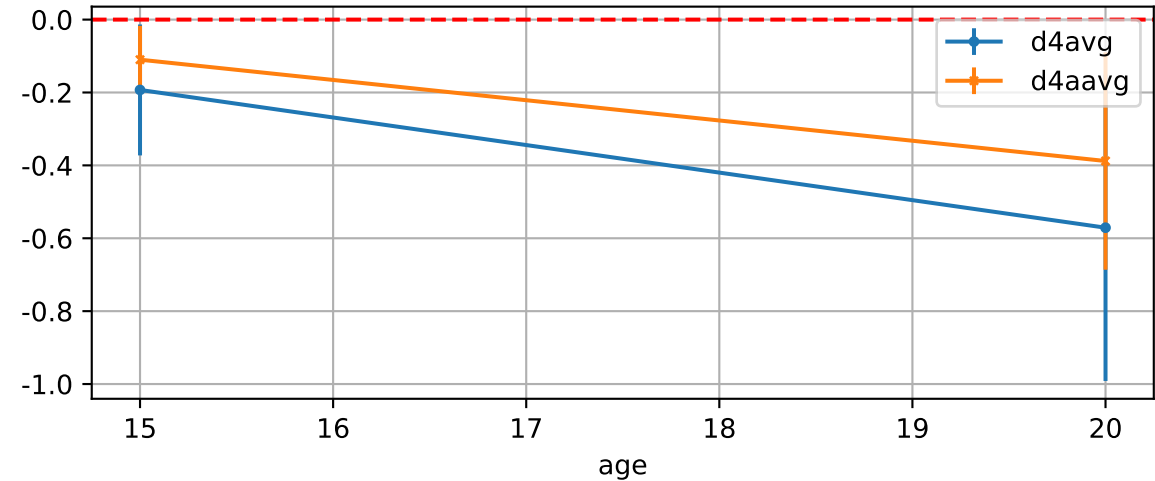


FrV: D_Est_FrV

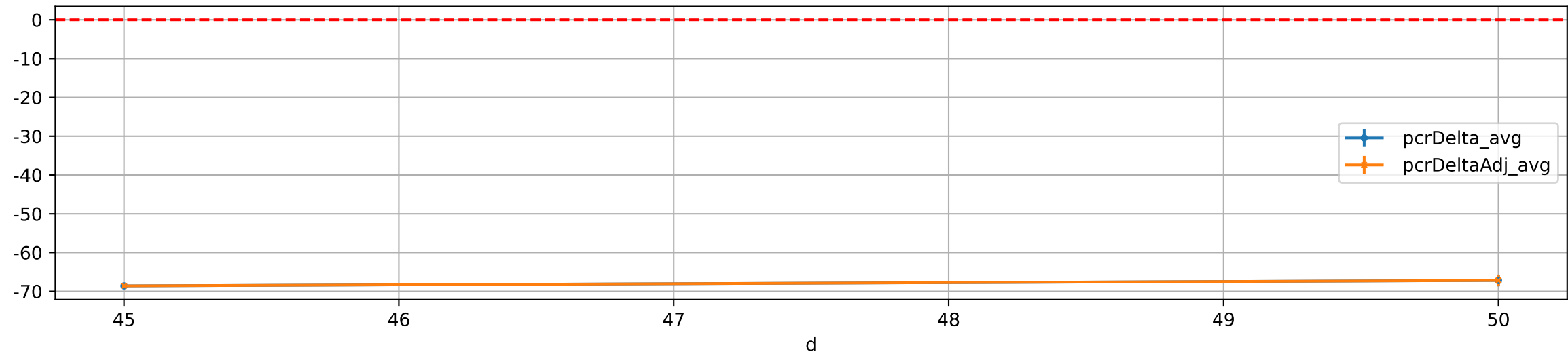
organID=1



organID=2



P10AE FrV: D_Est_FrV



P10AE FrV: sfDem

