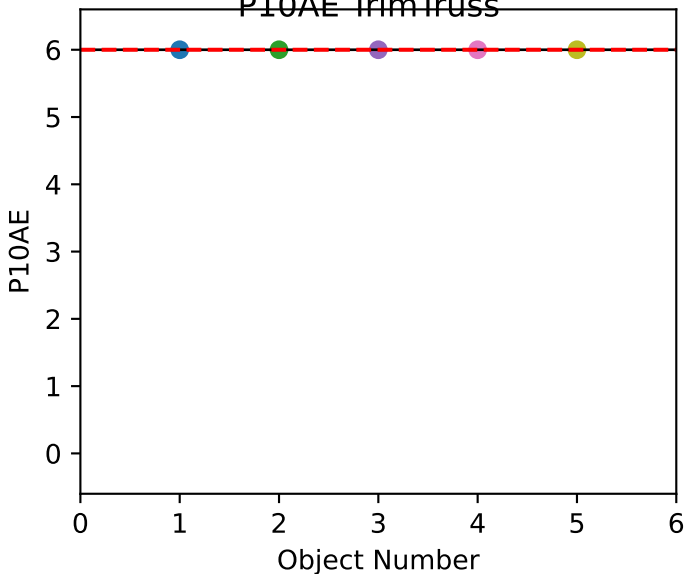


Phenotype Data Analysis Plots
PhenoData day range = 10 - 50
Analysis cutoff day = 50
NC11 P10
2025-05-20 (Day 50)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0 ~0% avg2=na

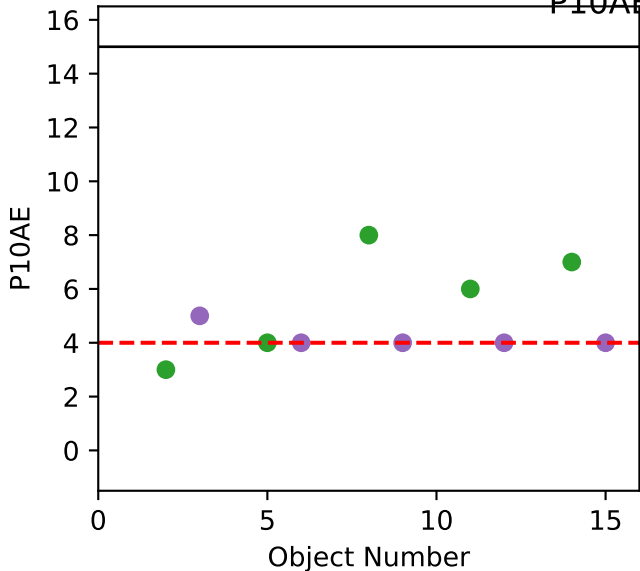
P10AE Trim Truss



FruitNumAvgPerTruss (Def=15 Set=4)

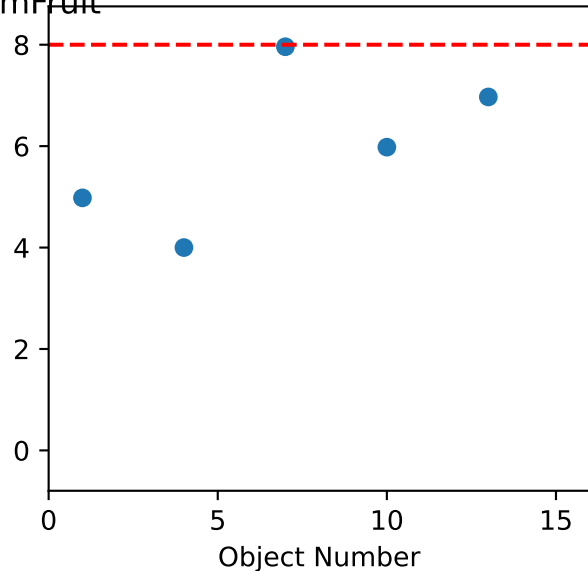
avg1=4.0~40% avg2=na

P10AE TrimFruit

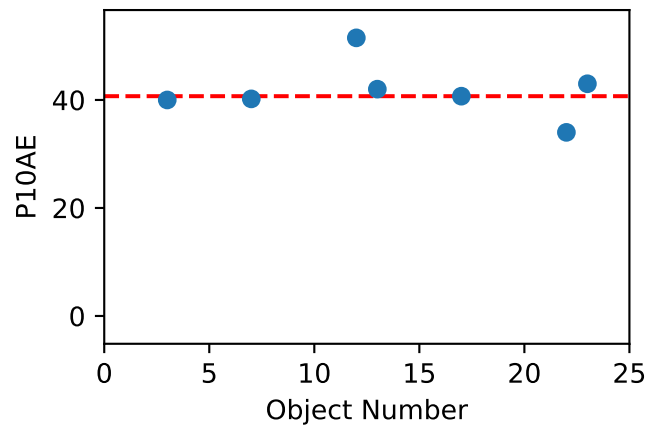


FruitNumMaxPerTruss (Def=na Set=8)

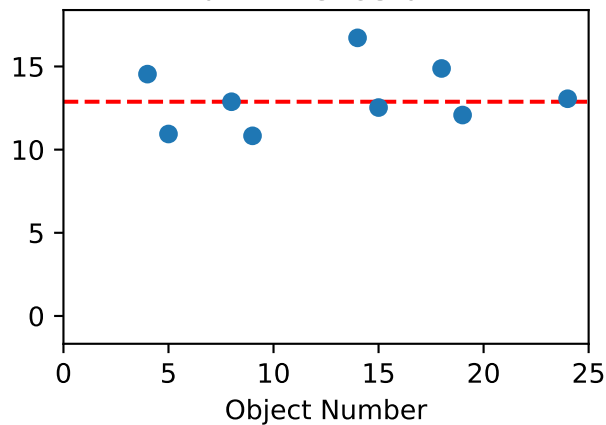
avg1=8.0~21% avg2=na



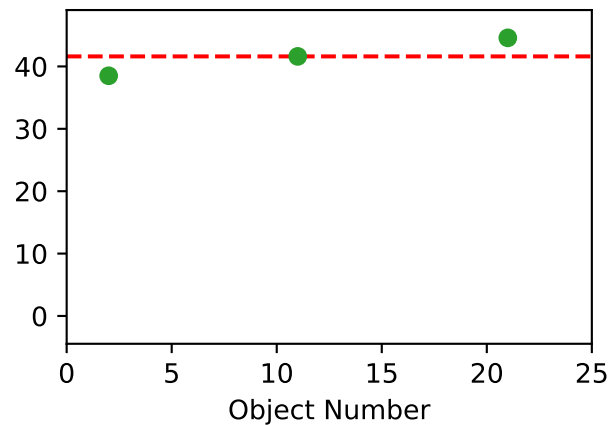
LfW_avgAbsY (Def=na Set=40.7)
avg1=40.7~3% avg2=na



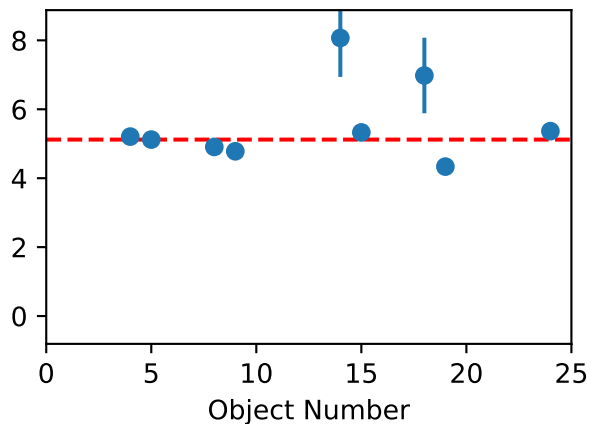
NdD_avgAbsY (Def=na Set=12.88)
avg1=12.88~15% avg2=na



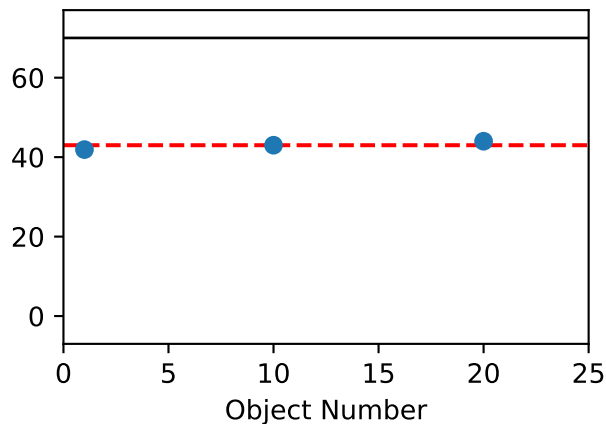
FrV_avgAbsY (Def=na Set=na)
avg1=41.61~7% avg2=na



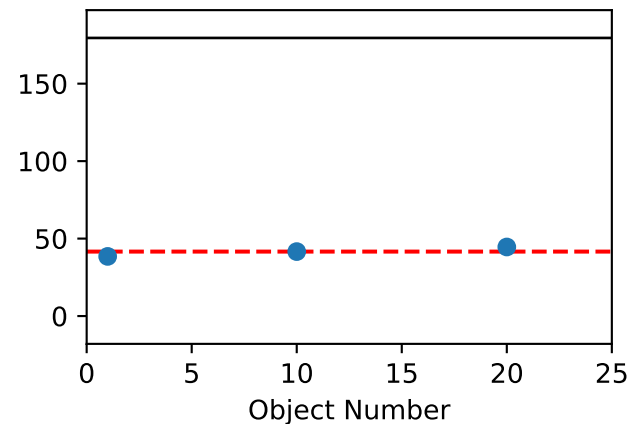
NdL_avgAbsY (Def=na Set=5.12)
avg1=5.12~7% avg2=na



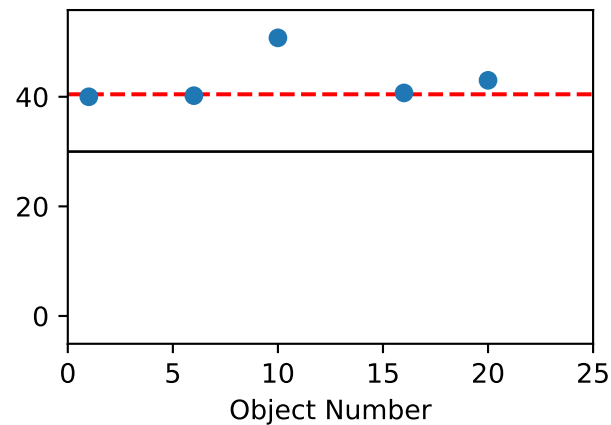
FrD_Q90AbsY (Def=70 Set=43.0)
avg1=43.0~2% avg2=na



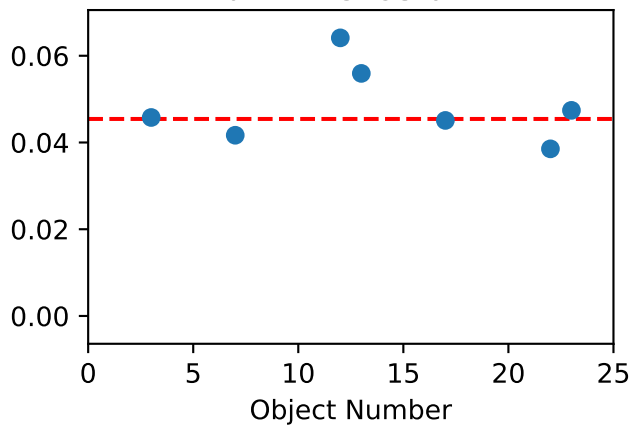
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=41.61~7% avg2=na



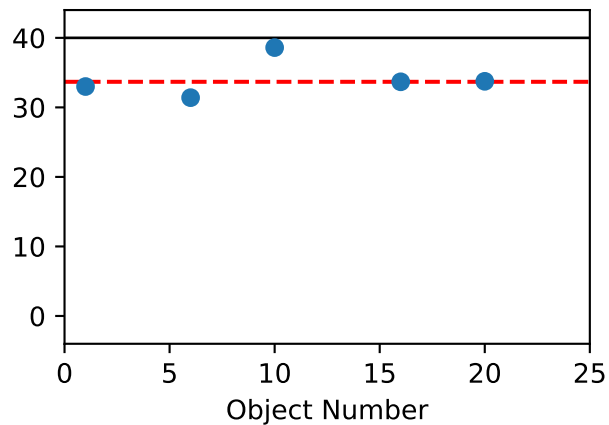
LfW_Q90AbsY (Def=30 Set=40.45)
avg1=40.45~3% avg2=na



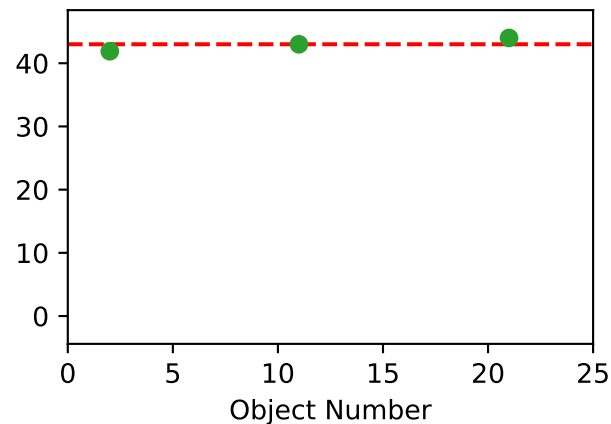
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~13% avg2=na



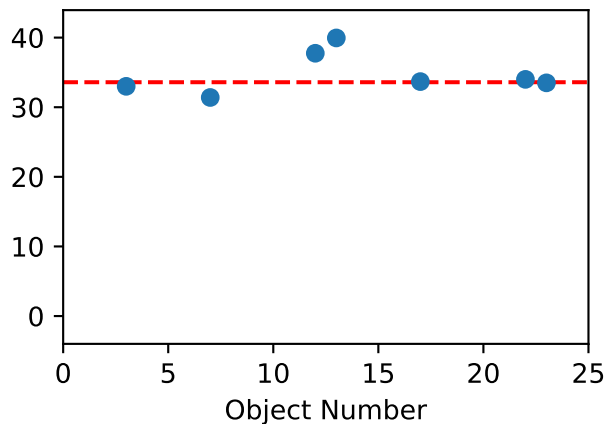
LfL_Q90AbsY (Def=40 Set=33.68)
avg1=33.68~1% avg2=na



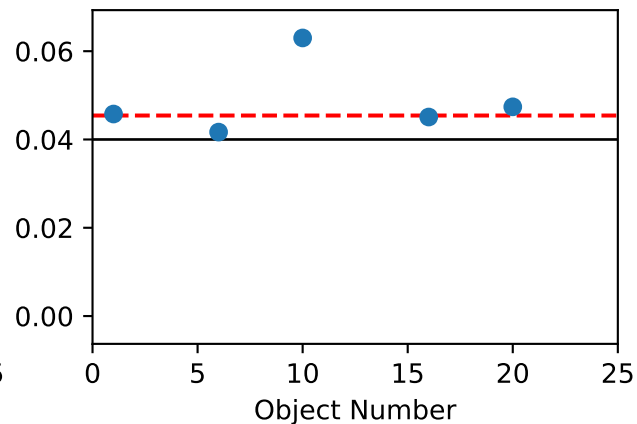
FrD_avgAbsY (Def=na Set=43.0)
avg1=43.0~2% avg2=na



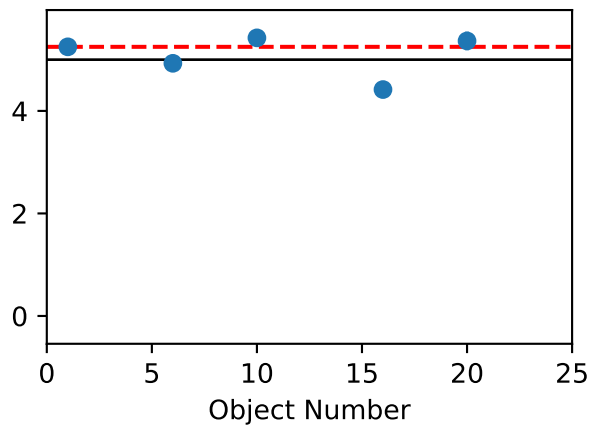
LfL_avgAbsY (Def=na Set=33.59)
avg1=33.59~6% avg2=na



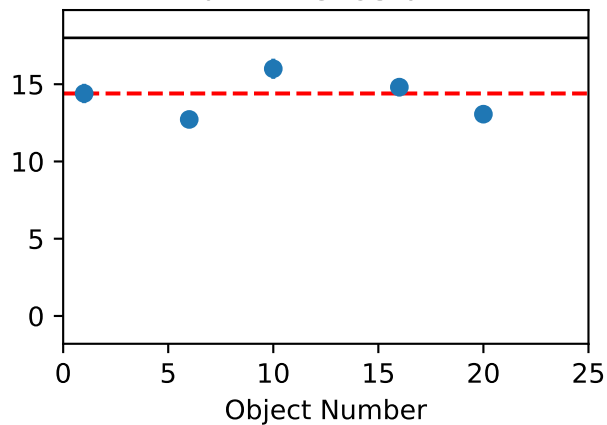
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.05~5% avg2=na



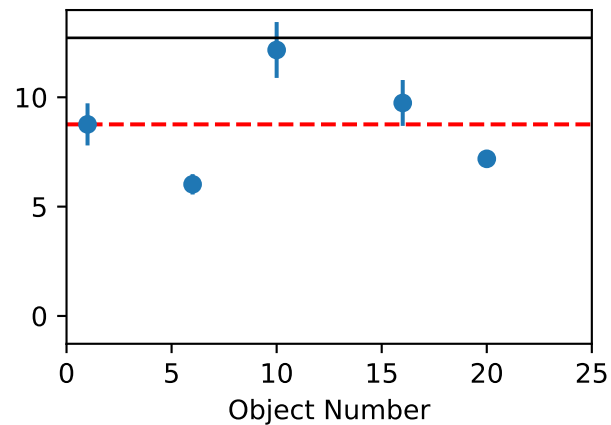
NdL_Q90AbsY (Def=5 Set=5.25)
avg1=5.25~8% avg2=na



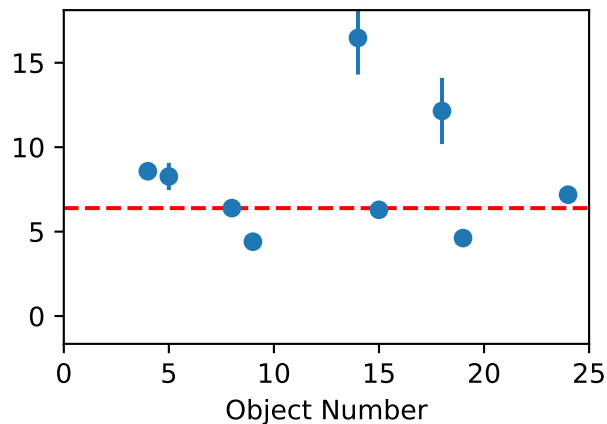
NdD_Q90AbsY (Def=18 Set=14.4)
avg1=14.4~9% avg2=na



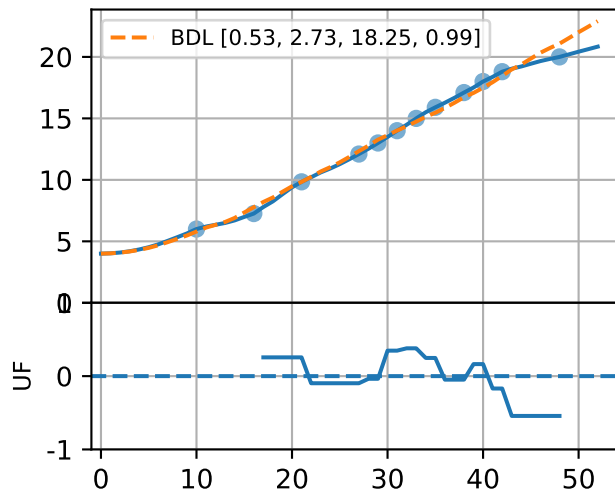
NdV_Q90AbsY (Def=12.72 Set=8.76)
avg1=8.76~27% avg2=na



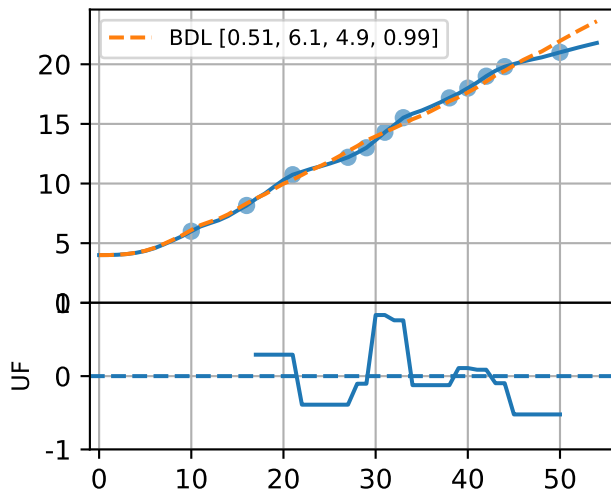
NdV_avgAbsY (Def=na Set=6.39)
avg1=6.39~25% avg2=na



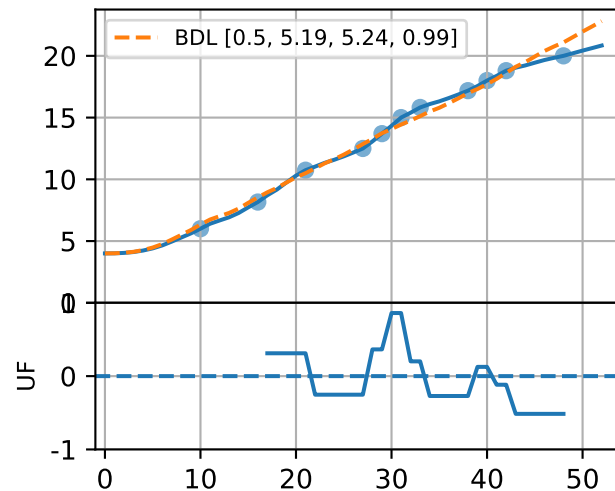
P10AE-063-19 (fit failed)



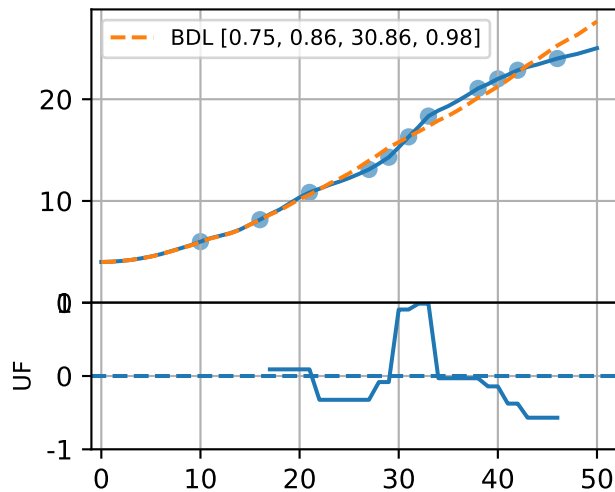
P10AE-076-15 (fit failed)



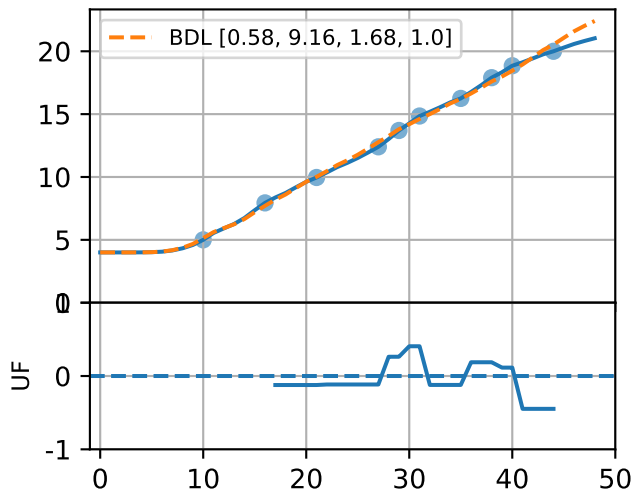
P10AE-089-22 (fit failed)



P10AE-103-17 (fit failed)



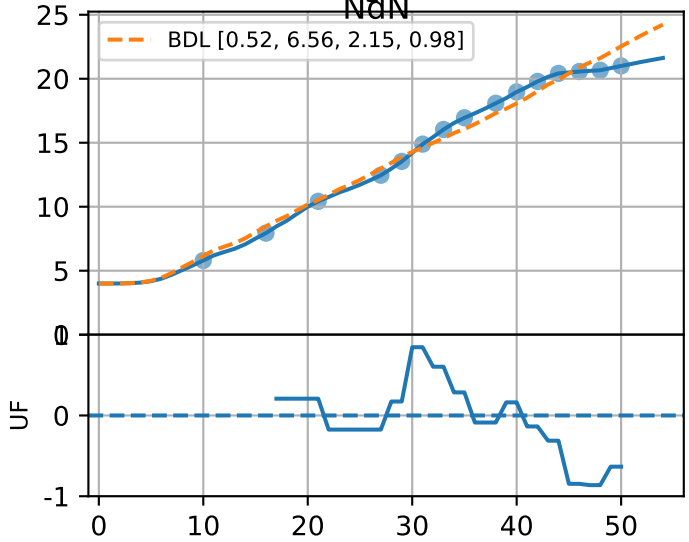
P10AE-116-21 (fit failed)



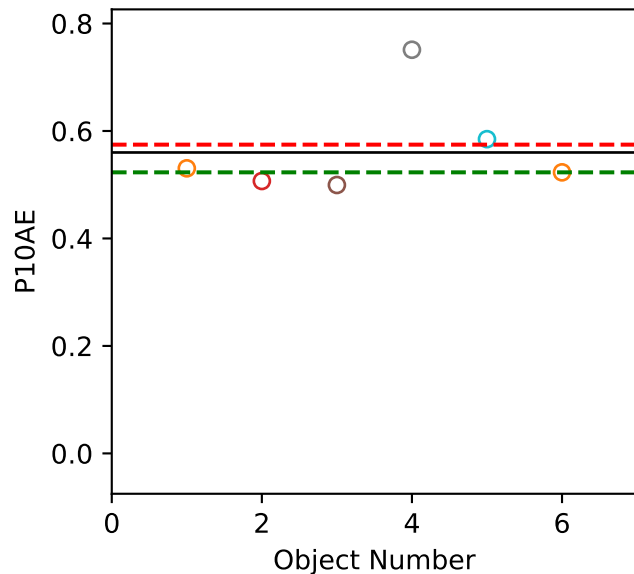
P10AEavg (fit failed)

NaN

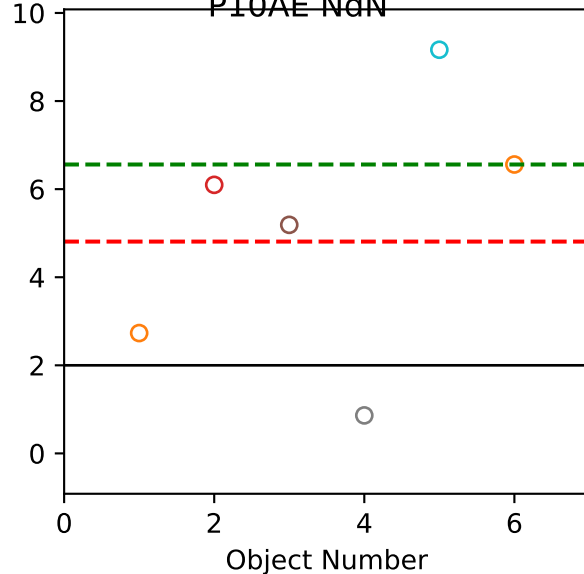
BDL [0.52, 6.56, 2.15, 0.98]



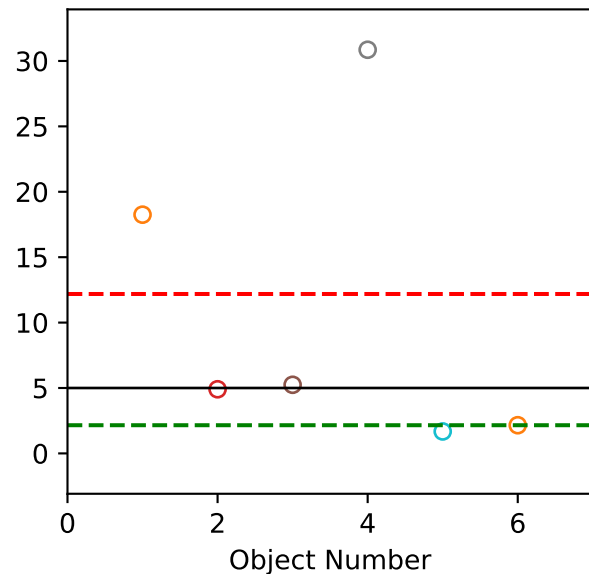
a (Def=0.56 Set=0.52)
avg1=0.57(fail) avg2=0.52



dm (Def=2 Set=6.56)
avg1=4.81(fail) avg2=6.56



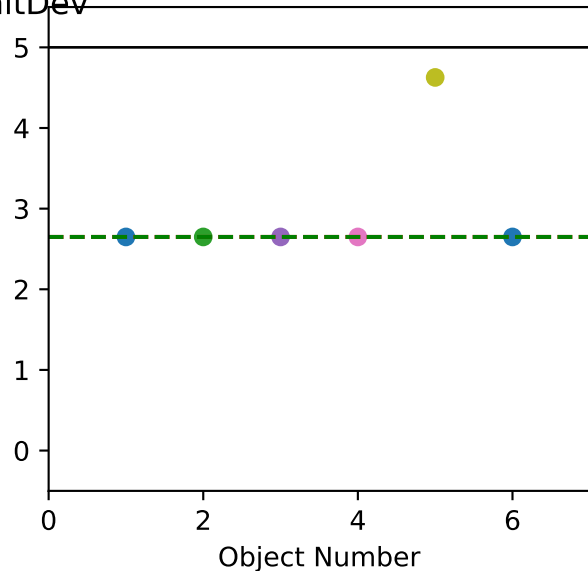
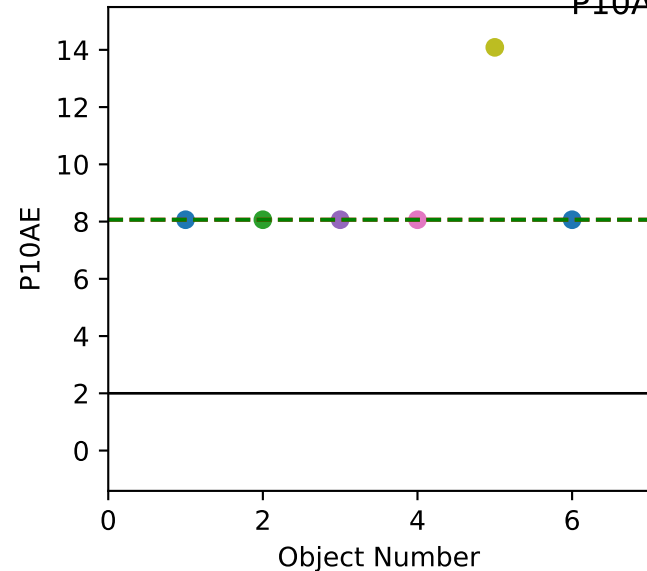
de (Def=5 Set=2.15)
avg1=12.19(fail) avg2=2.15



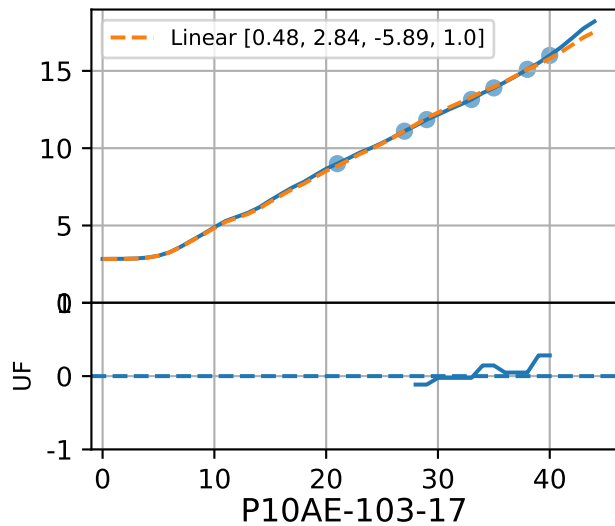
InitDev_dm (Def=2 Set=8.07)
avg1=8.07~0% avg2=8.07

P10AE InitDev

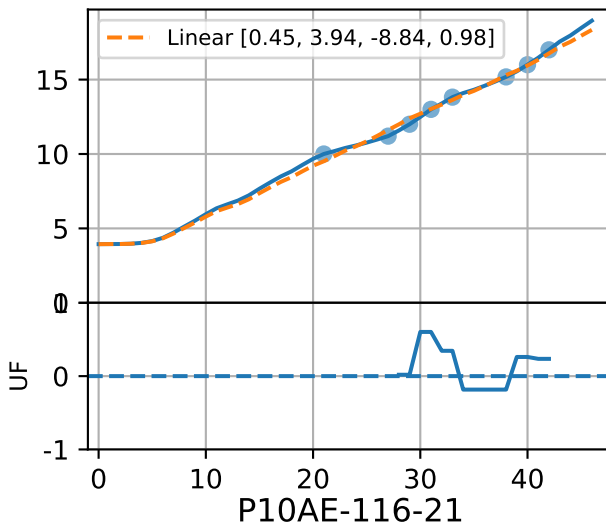
InitDev_de (Def=5 Set=2.65)
avg1=2.65~0% avg2=2.65



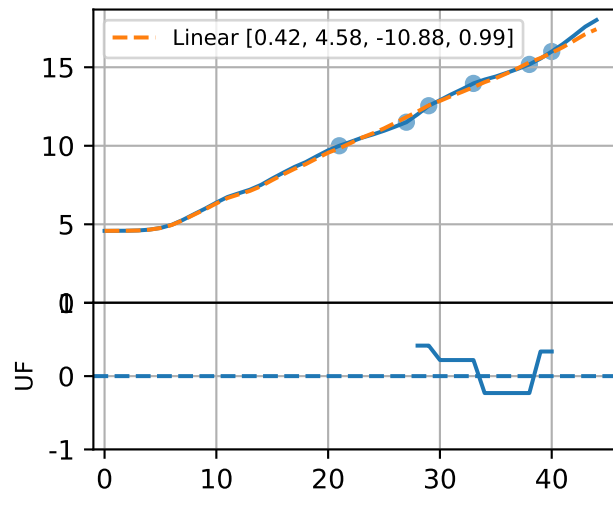
P10AE-063-19



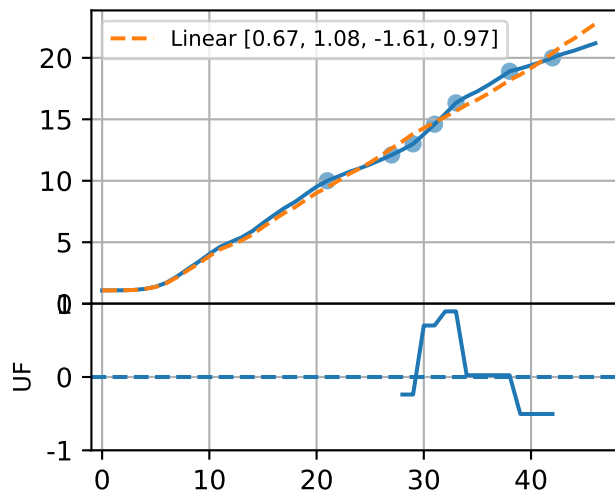
P10AE-076-5



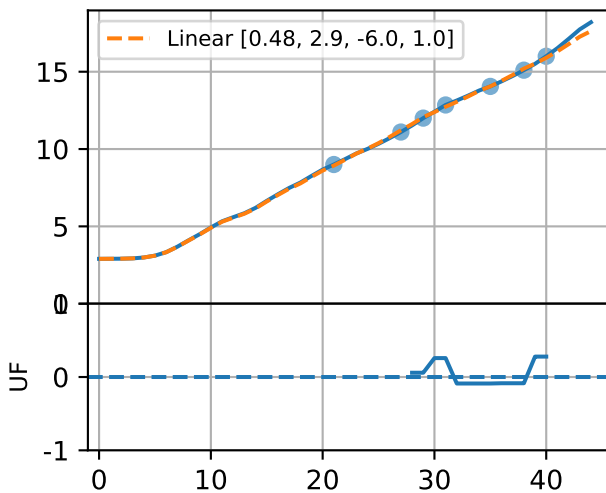
P10AE-089-22



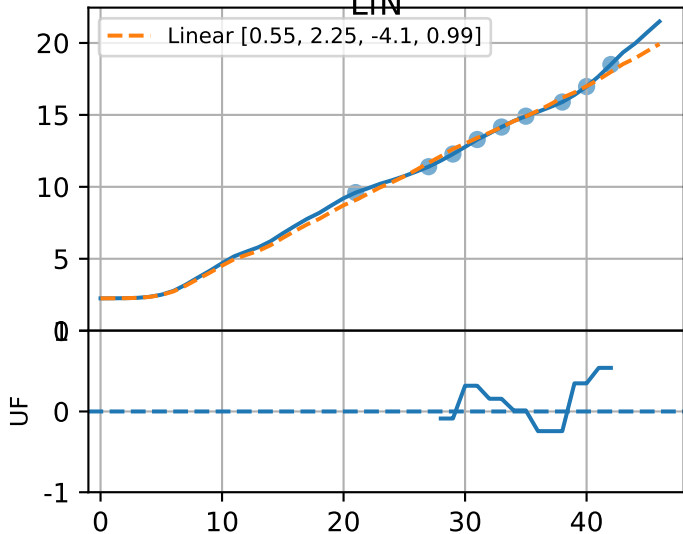
P10AE-103-17



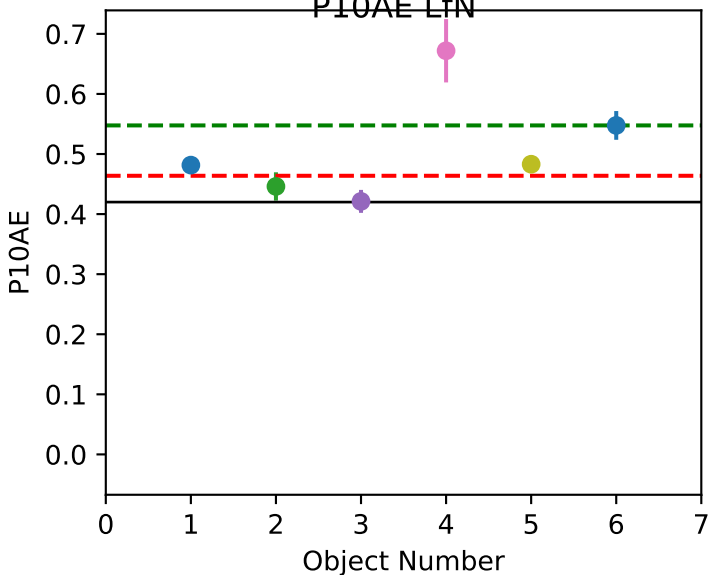
P10AE-116-21



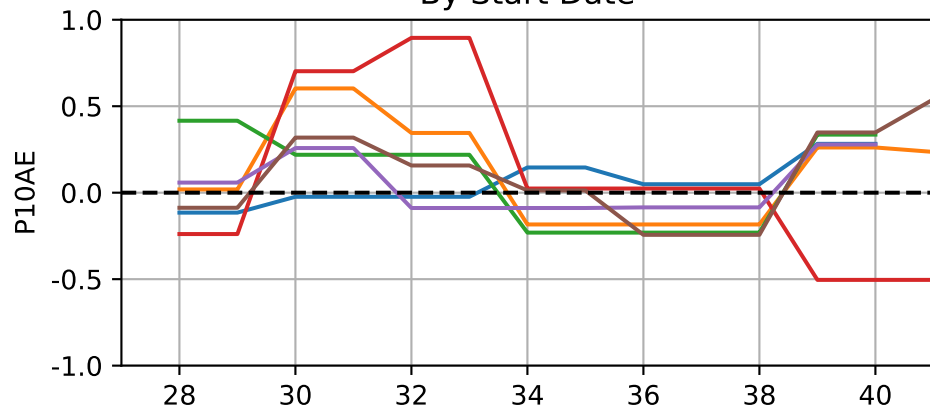
P10AEavg
Lfn



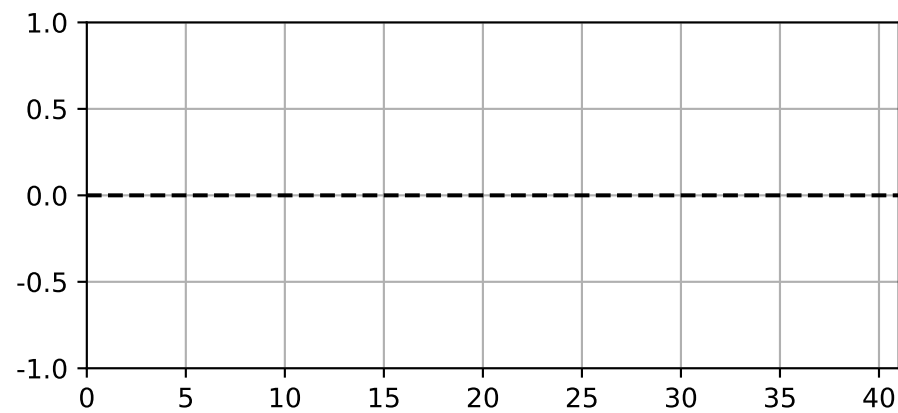
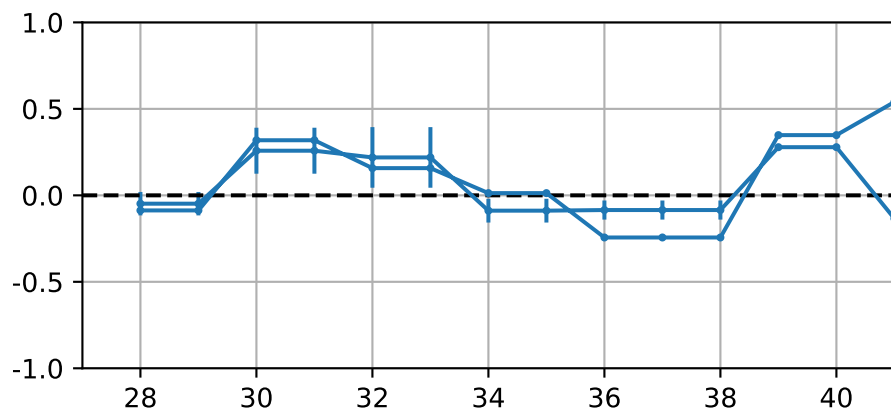
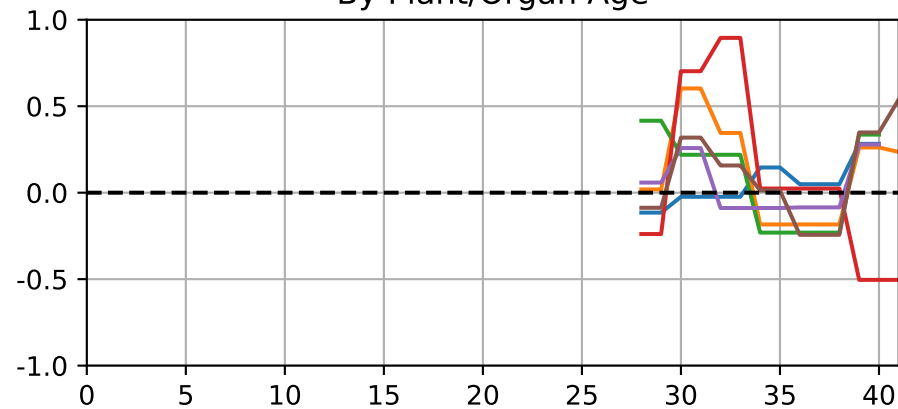
a (Def=0.42 Set=0.55)
avg1=0.46~6% avg2=0.55~10%



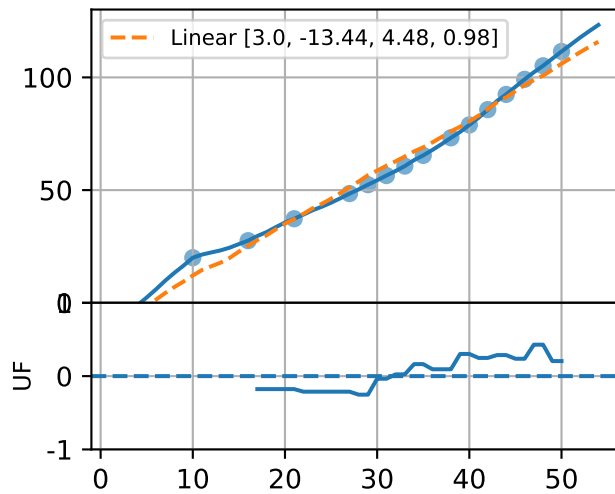
By Start Date



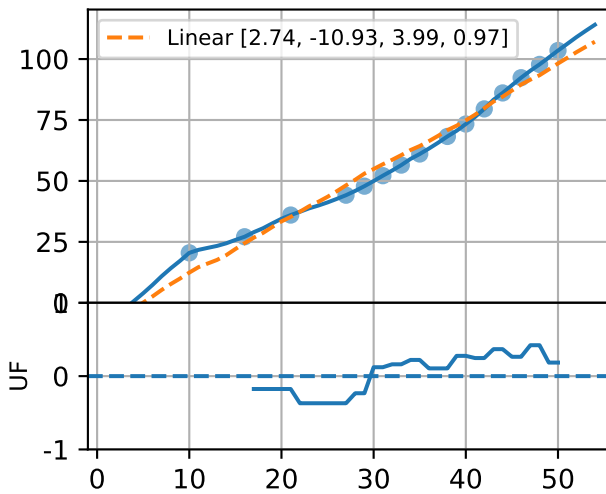
By Plant/Organ Age



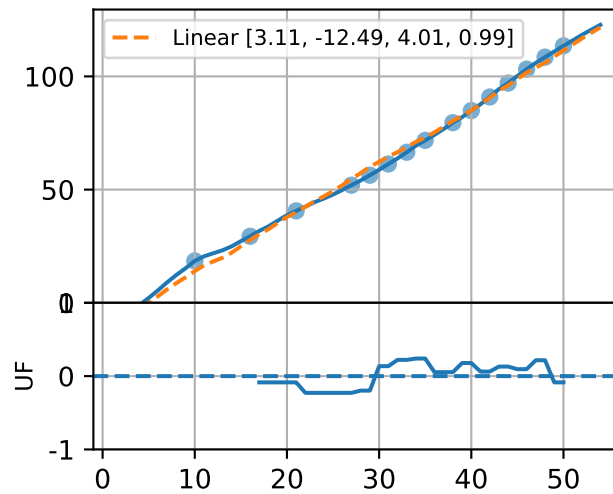
P10AE-063-19



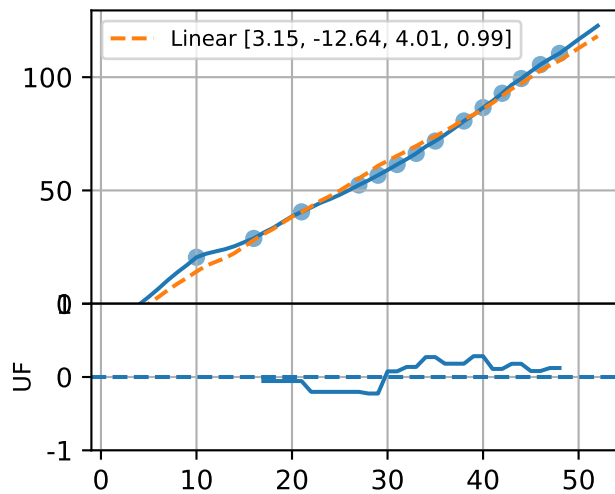
P10AE-076-5



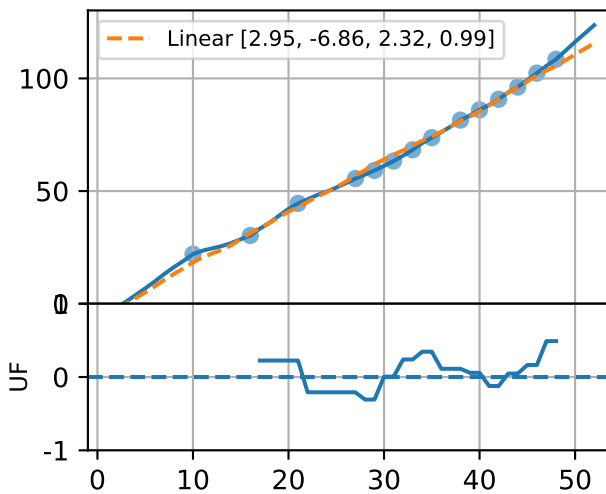
P10AE-089-22



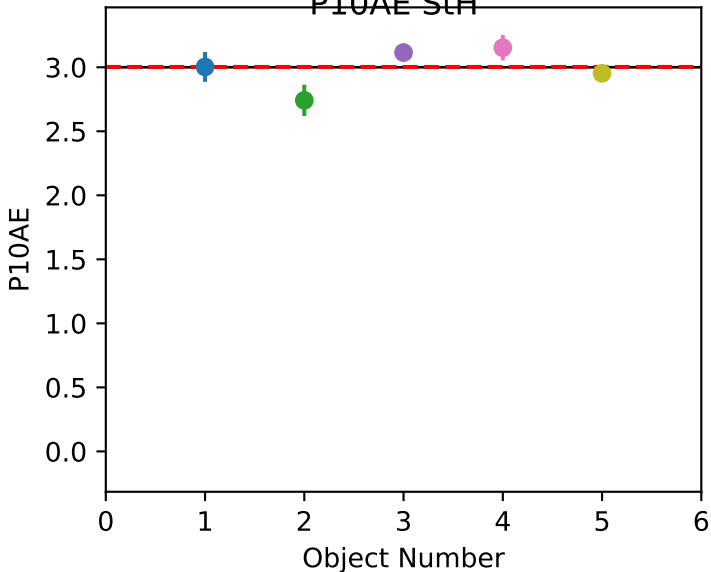
P10AE-103-17



P10AE-116-21

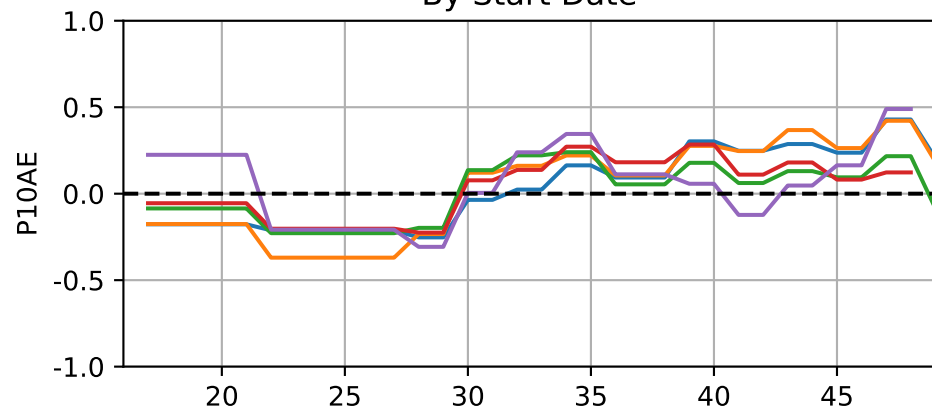


a (Def=3 Set=3.0)
avg1=3.0~5% avg2=na
P10AE StH

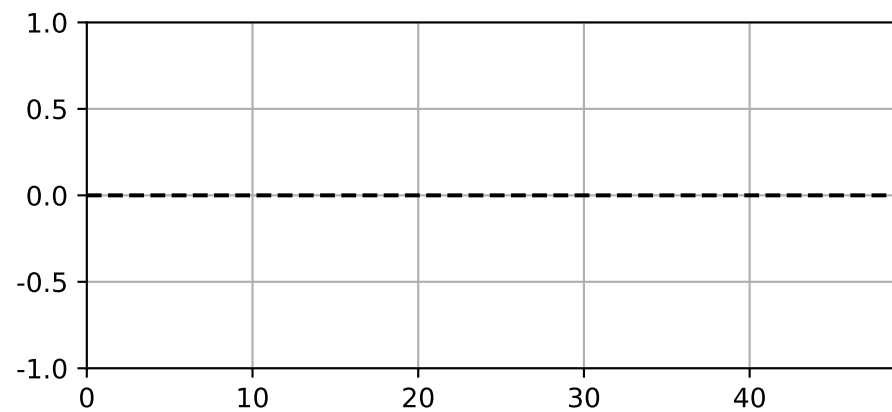
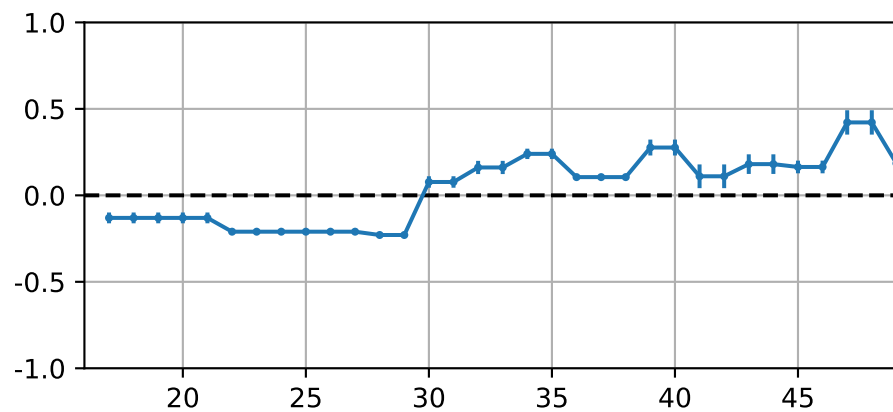
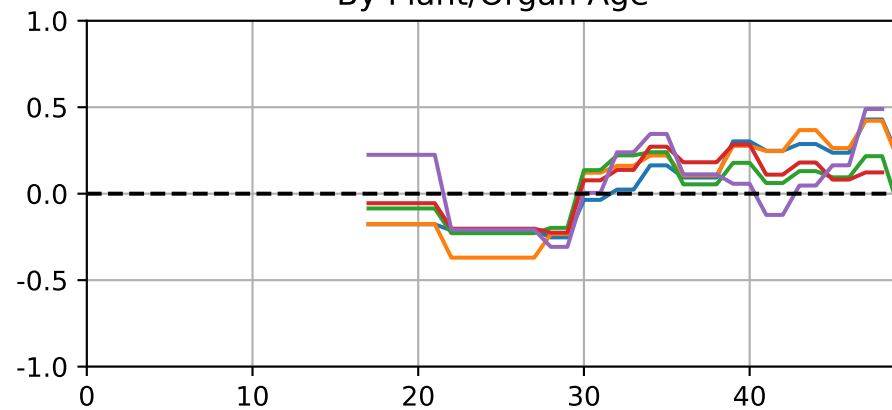


StH

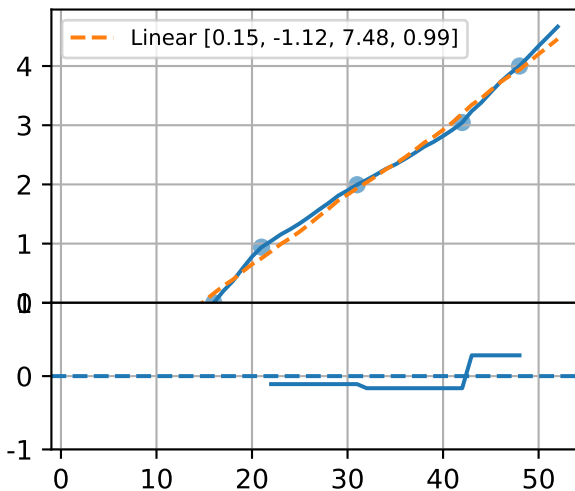
By Start Date



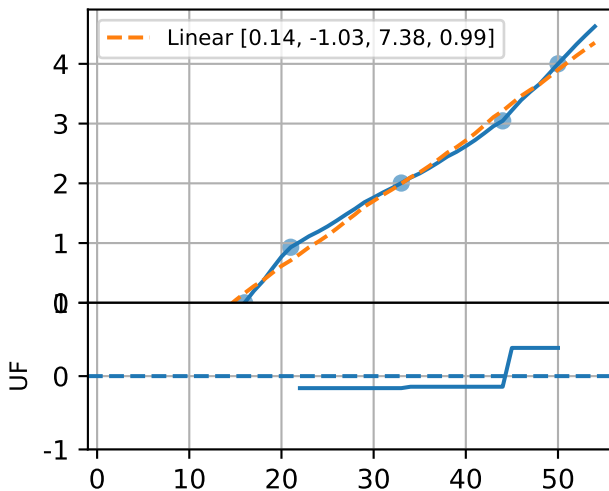
By Plant/Organ Age



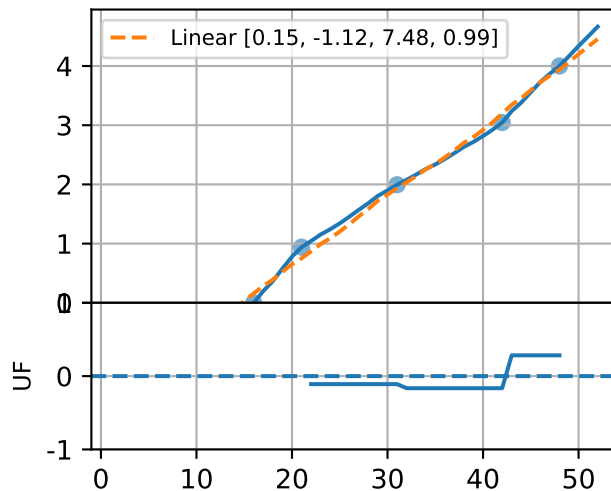
P10AE-063-19



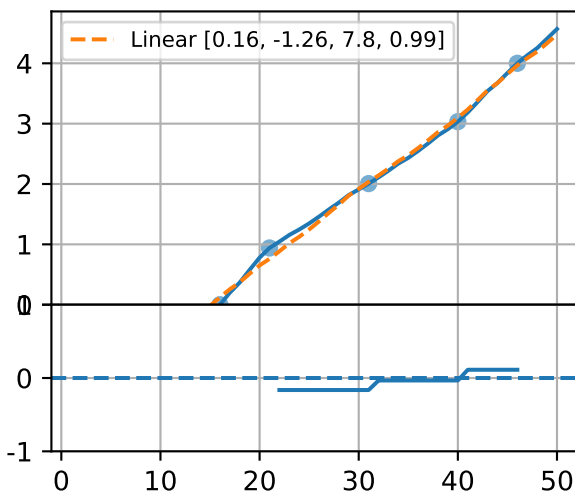
P10AE-076-5



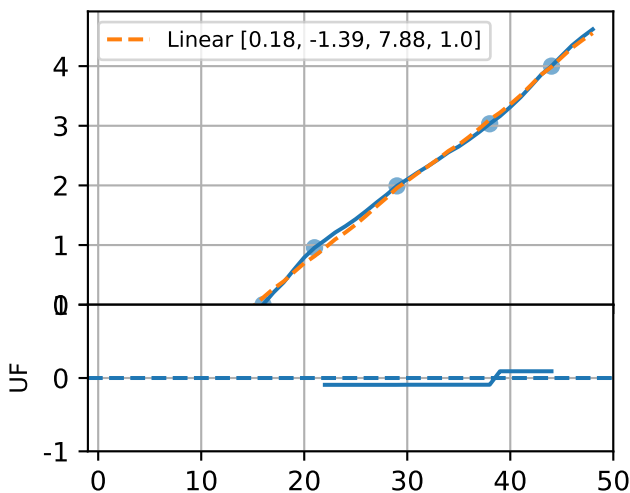
P10AE-089-22



P10AE-103-17



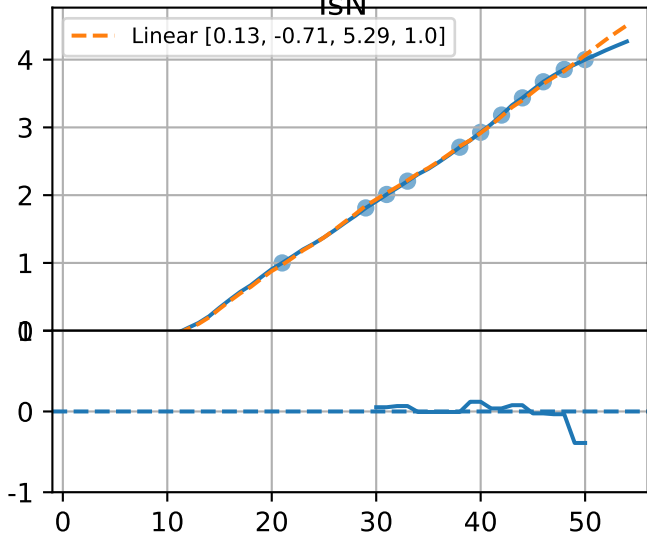
P10AE-116-21



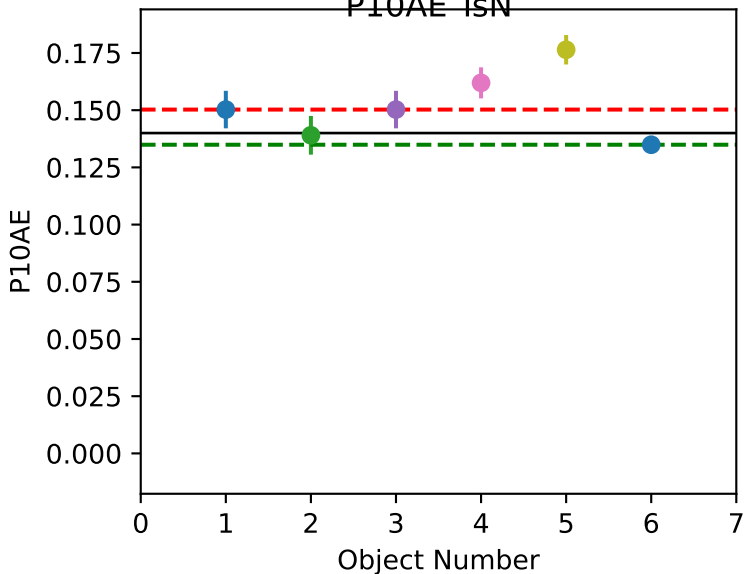
P10AEavg
TSN

Linear [0.13, -0.71, 5.29, 1.0]

UF

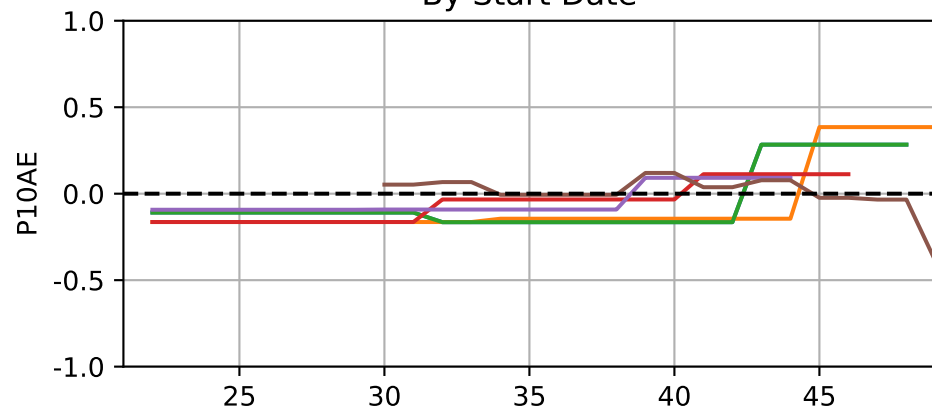


a (Def=0.14 Set=0.13)
avg1=0.15~9% avg2=0.13~2%
P10AE TSN

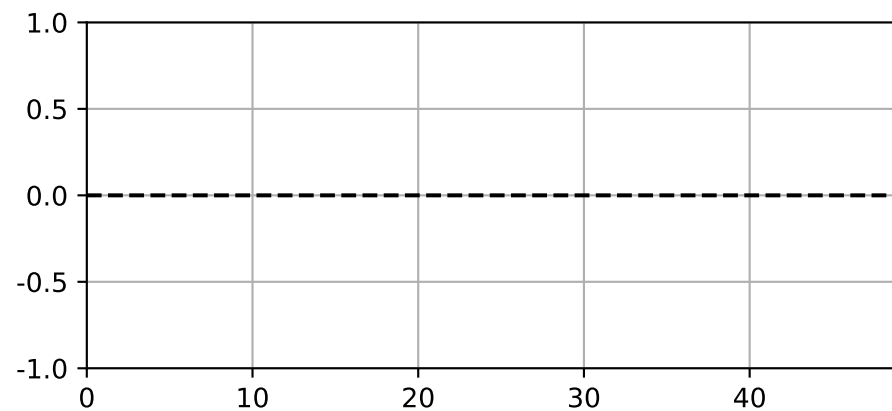
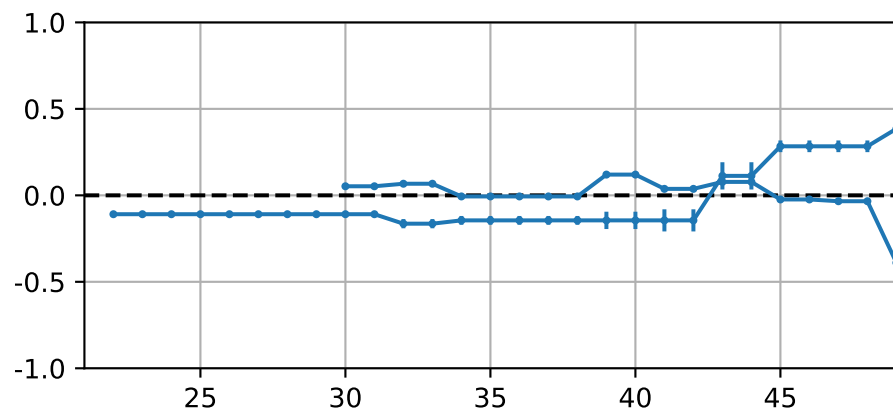
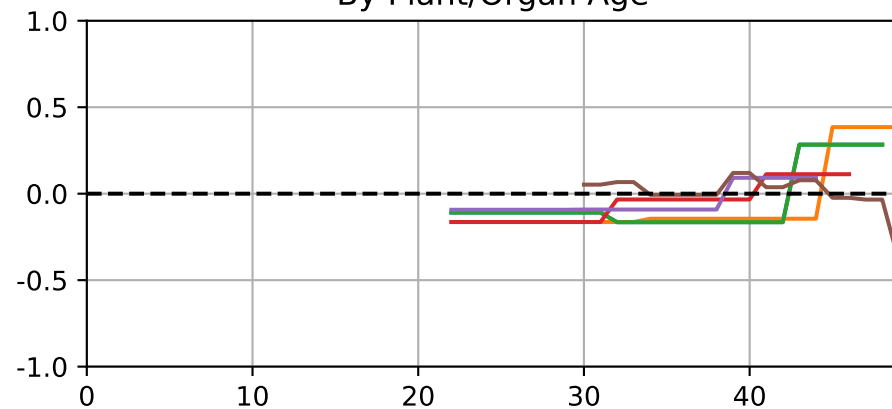


TsN

By Start Date

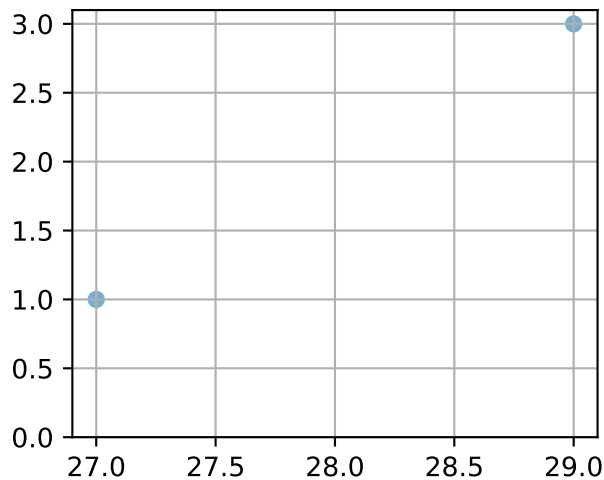


By Plant/Organ Age

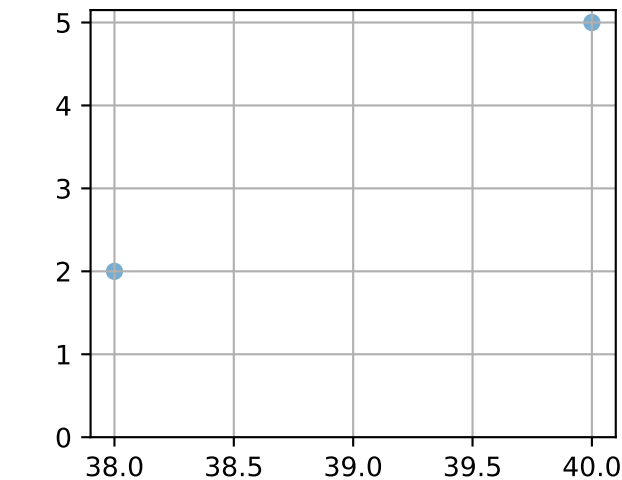


FrN

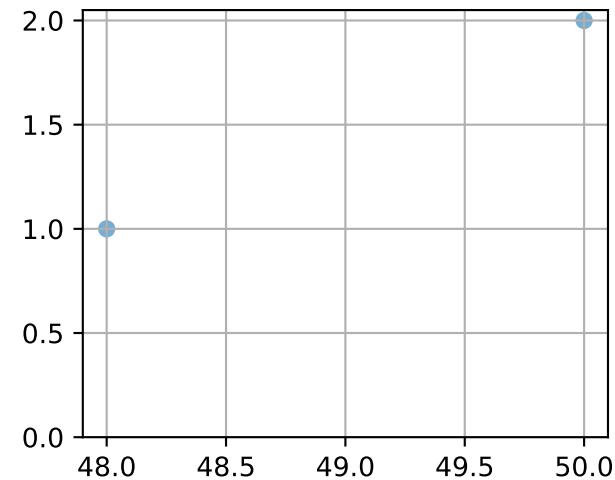
P10AE-063-19T1 (fit failed)



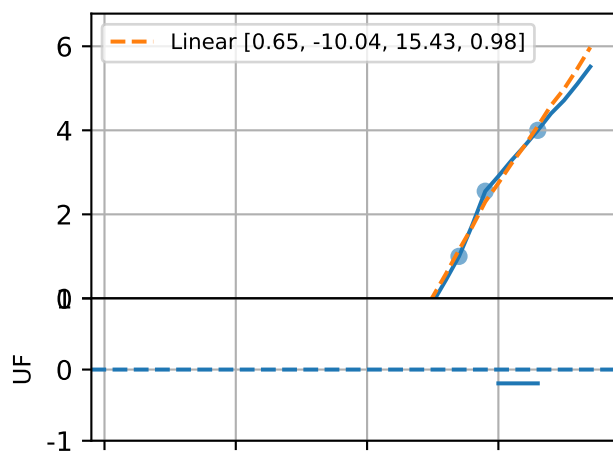
P10AE-063-19T2 (fit failed)



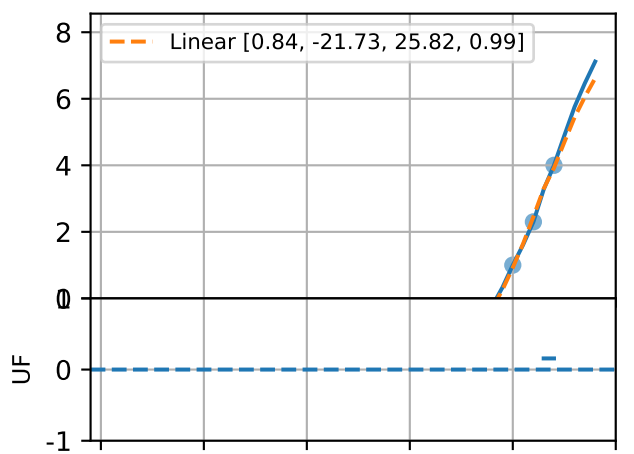
P10AE-063-19T3 (fit failed)



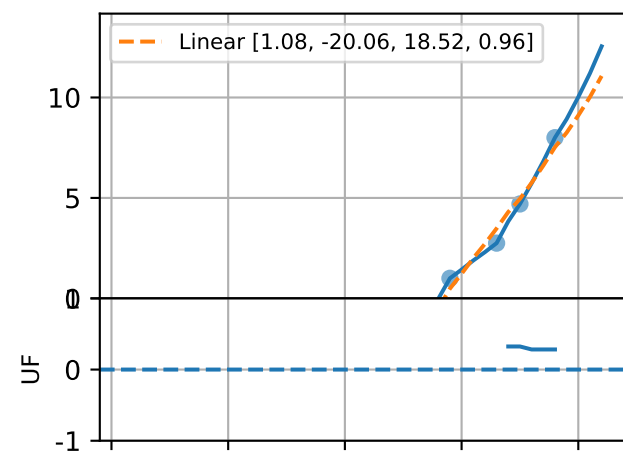
P10AE-076-5T1



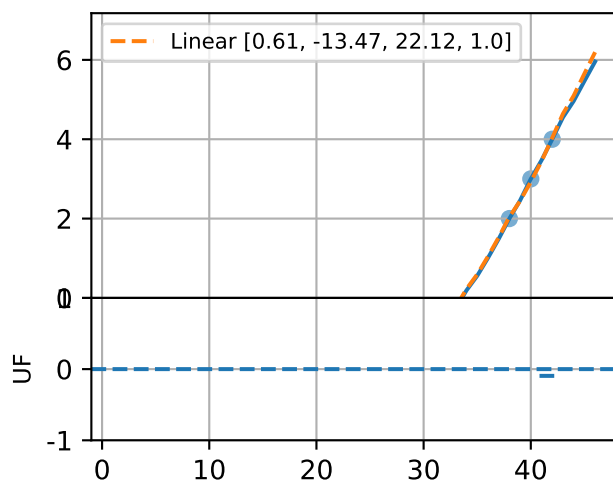
P10AE-076-5T2



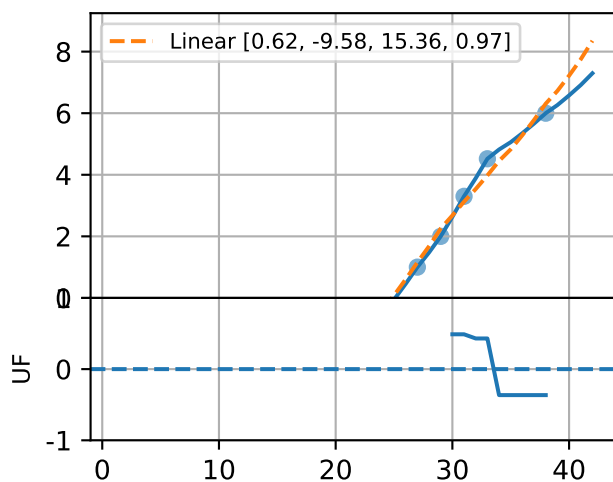
P10AE-089-22T1



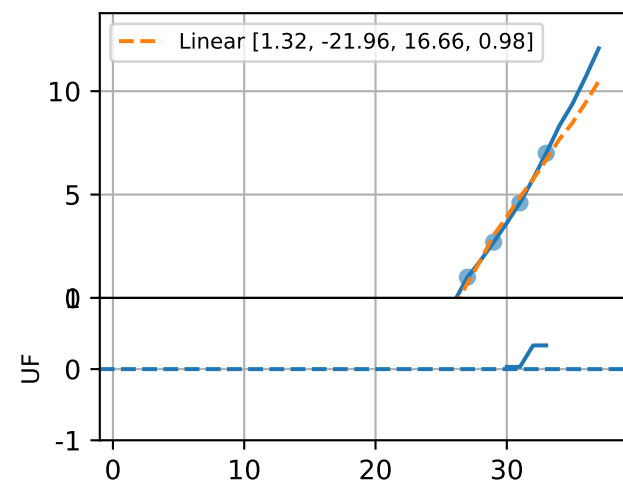
P10AE-089-22T2



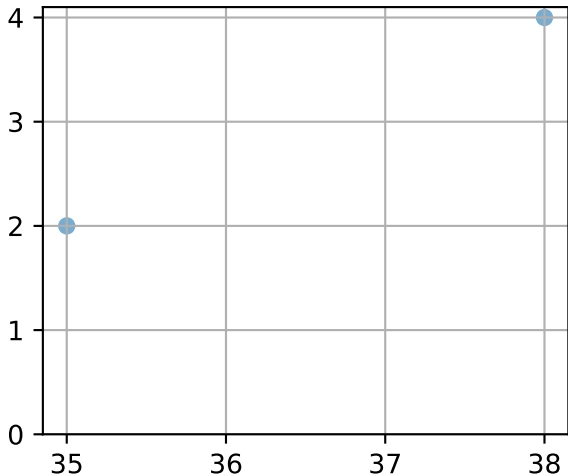
P10AE-103-17T1



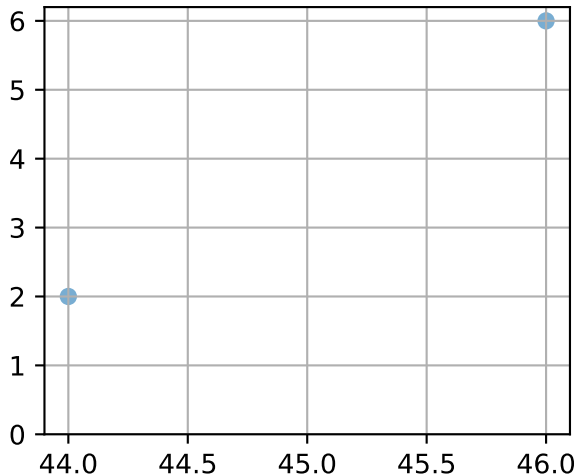
P10AE-116-21T1



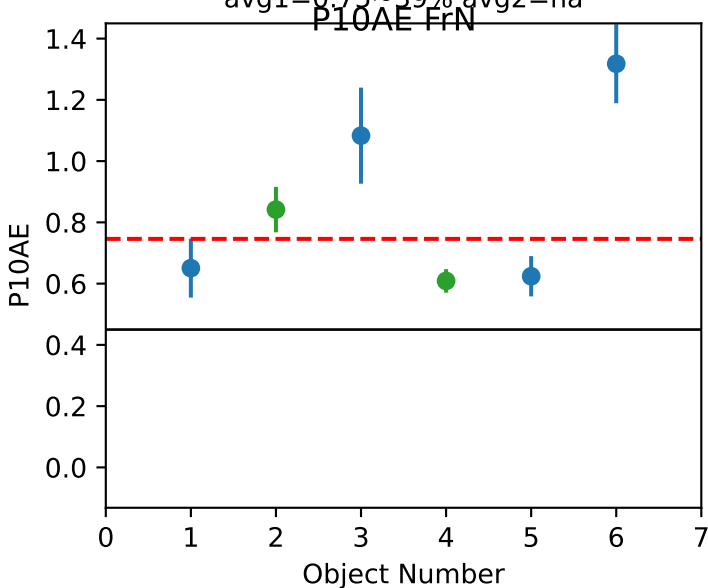
P10AE-116-21T2 (fit failed)



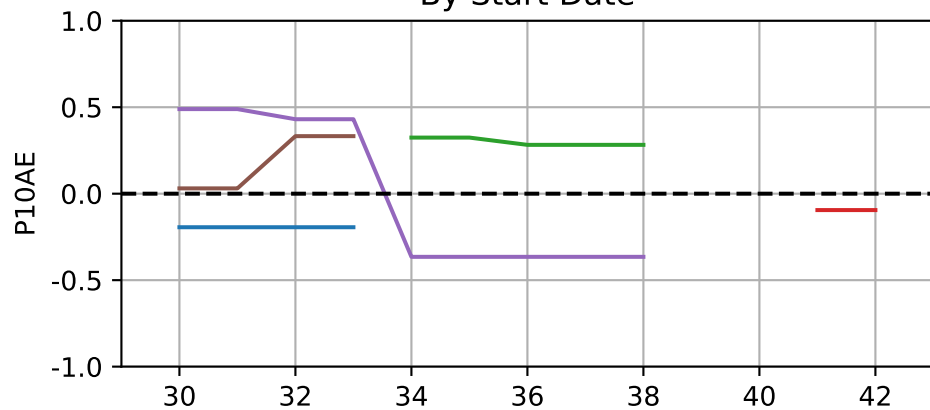
P10AE-116-21T3 (fit failed)



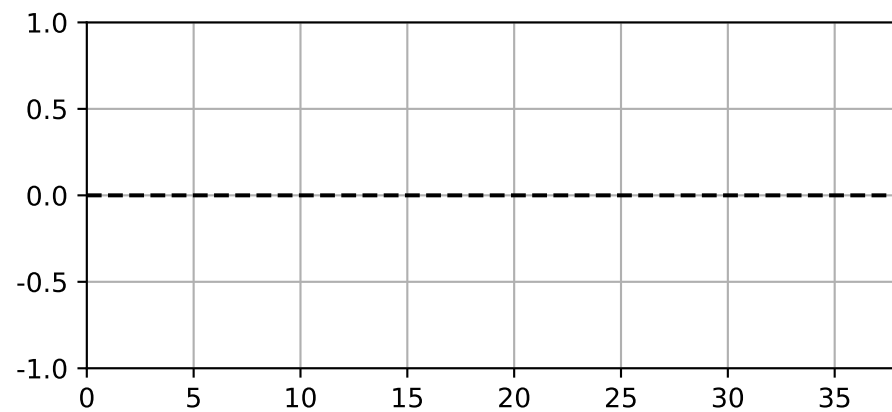
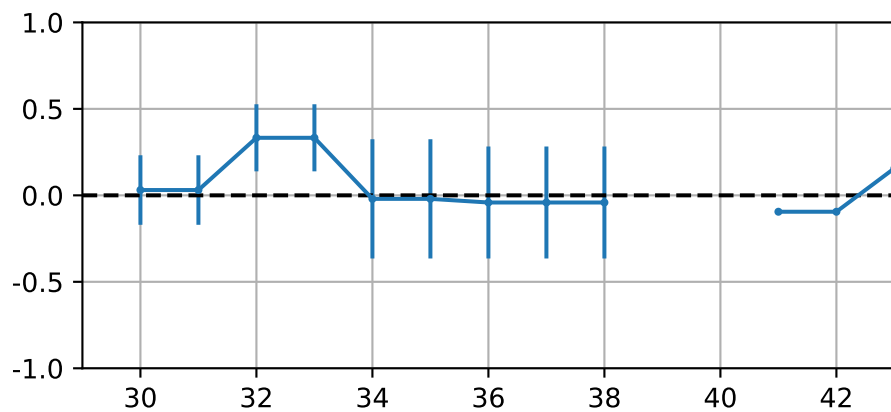
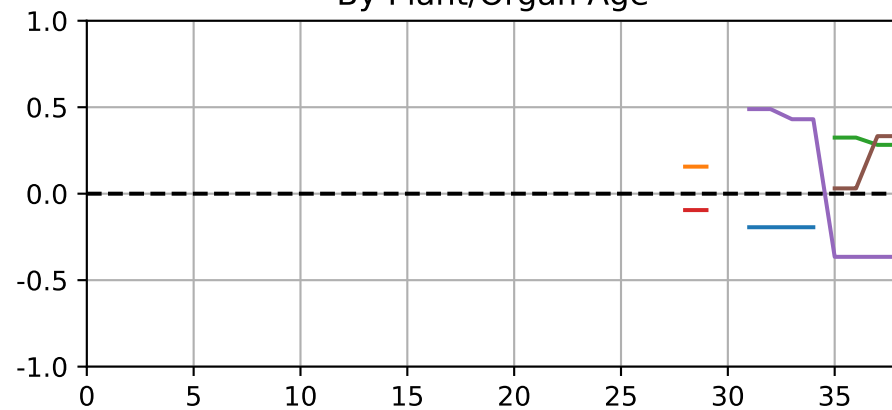
a (Def=0.45 Set=0.75)
avg1=0.75~39% avg2=na



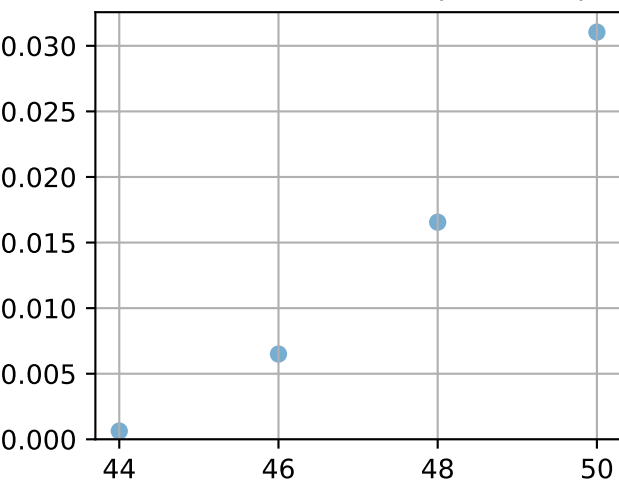
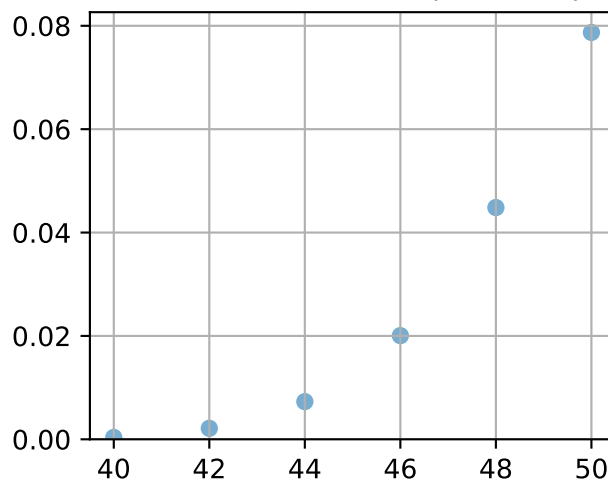
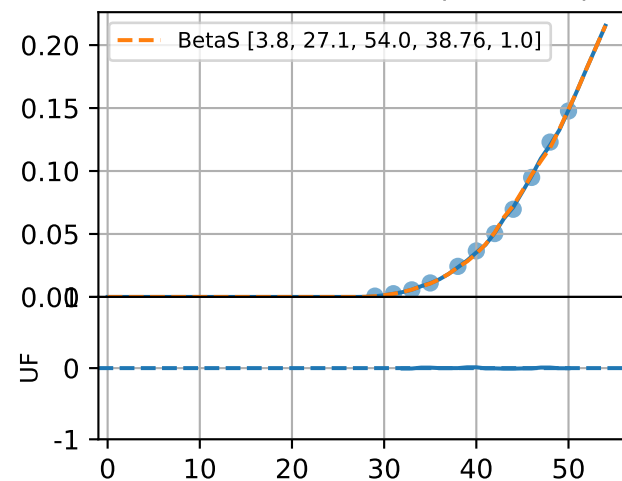
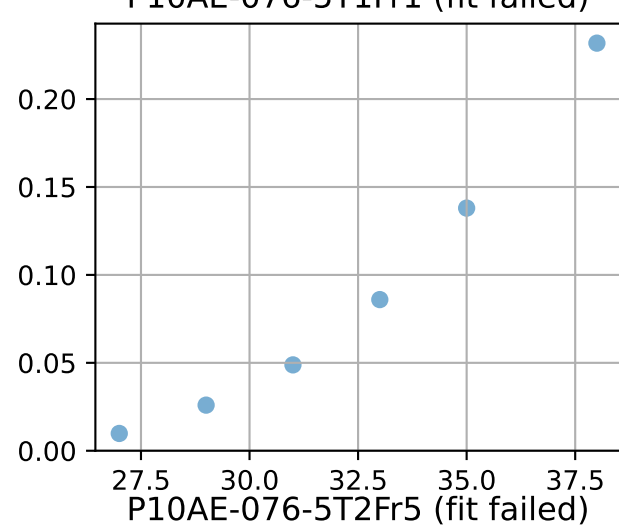
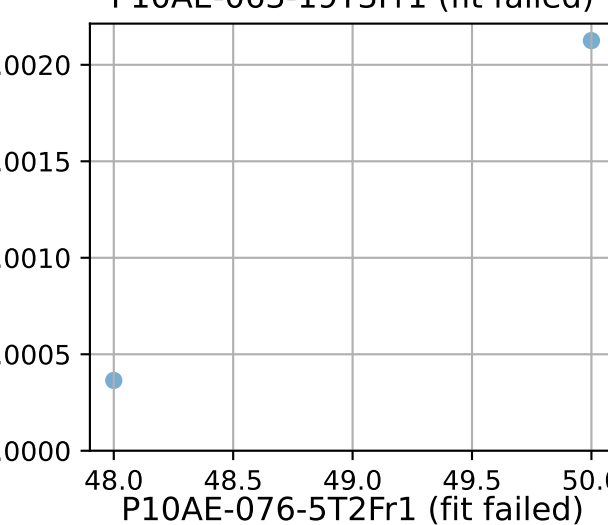
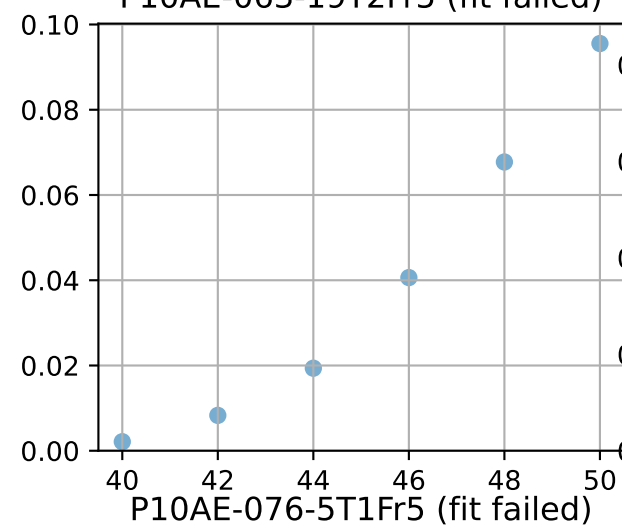
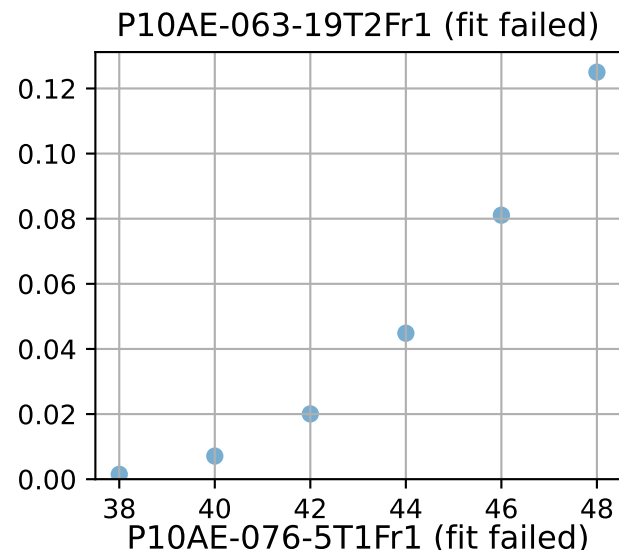
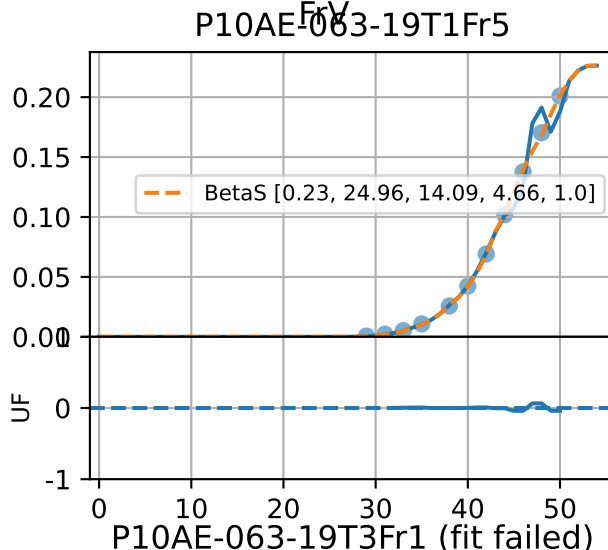
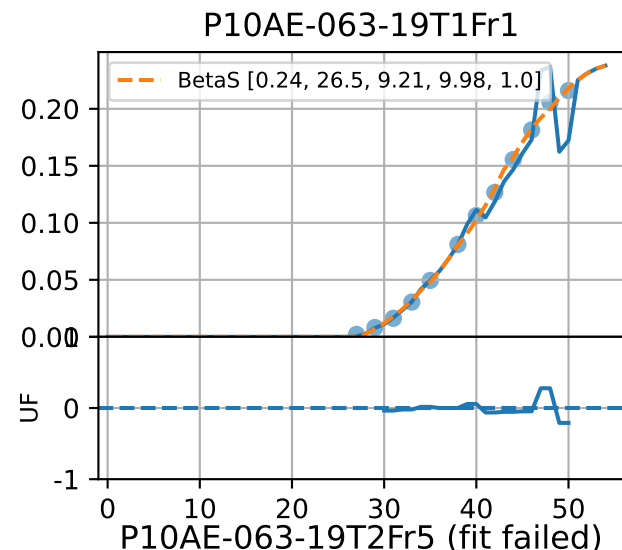
By Start Date



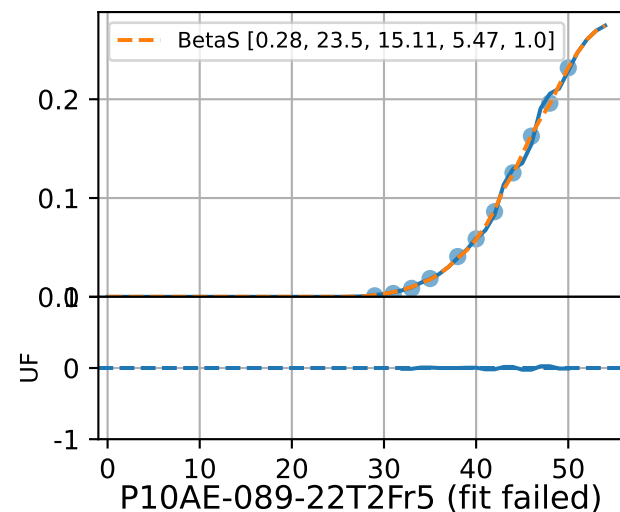
By Plant/Organ Age



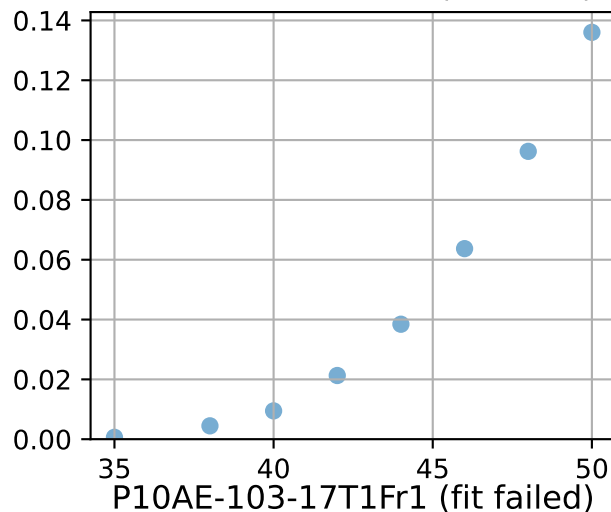
FrY



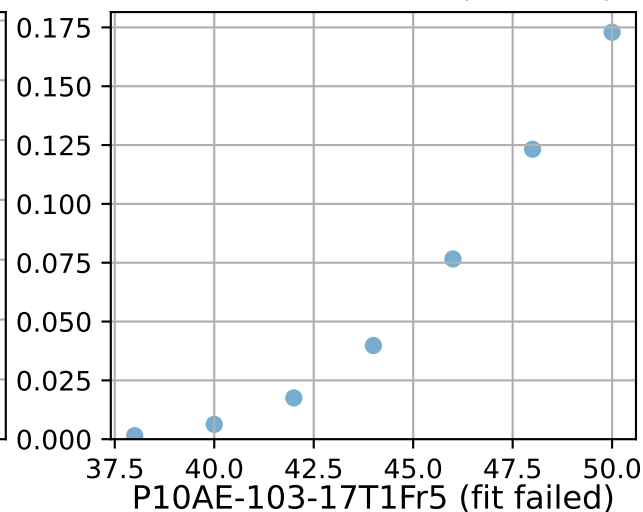
P10AE-089-22T1Fr1



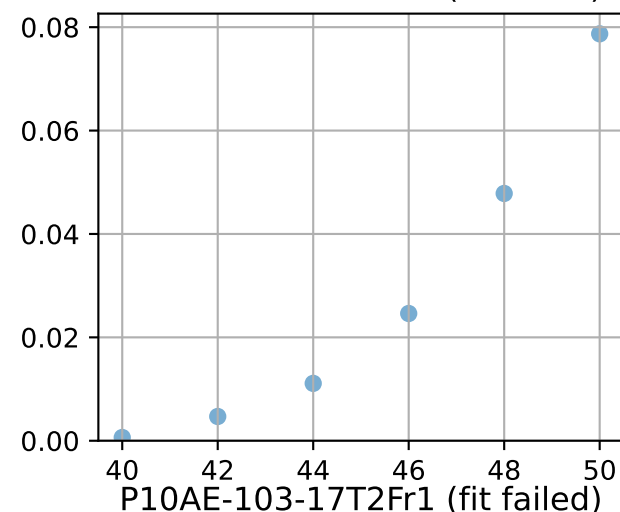
P10AE-089-22T1Fr5 (fit failed)



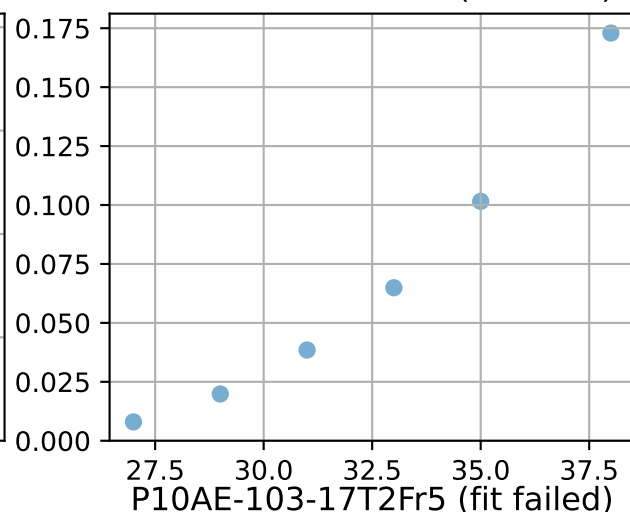
P10AE-089-22T2Fr1 (fit failed)



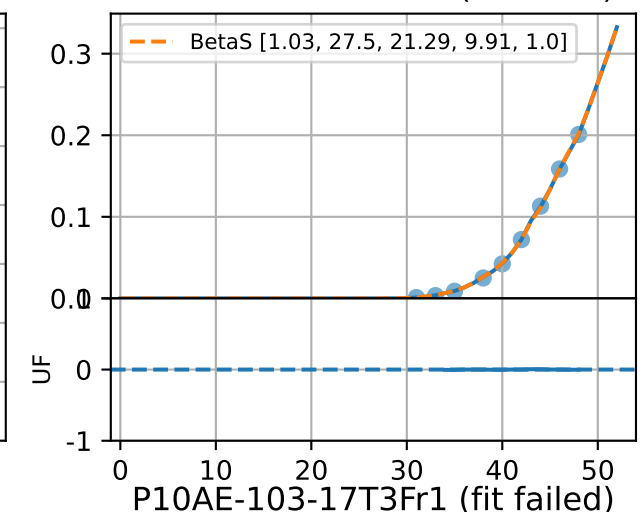
P10AE-089-22T2Fr5 (fit failed)



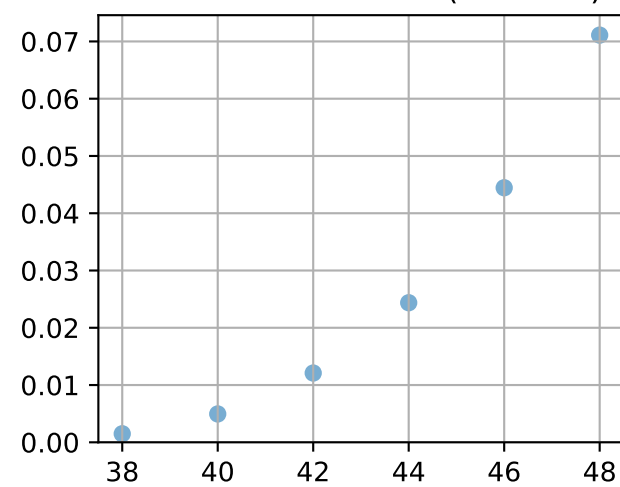
P10AE-103-17T1Fr1 (fit failed)



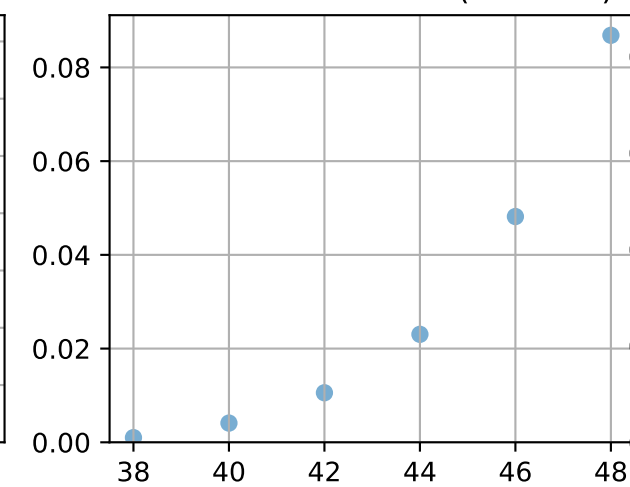
P10AE-103-17T1Fr5 (fit failed)



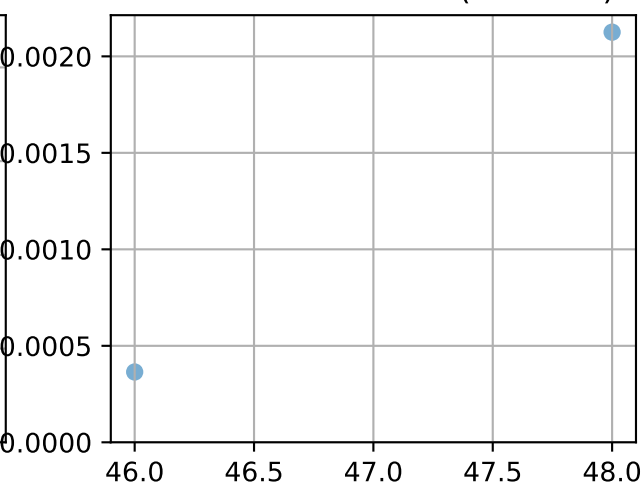
P10AE-103-17T2Fr1 (fit failed)



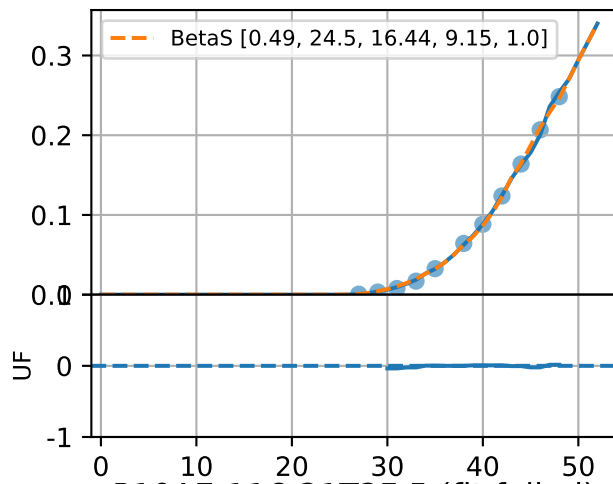
P10AE-103-17T2Fr5 (fit failed)



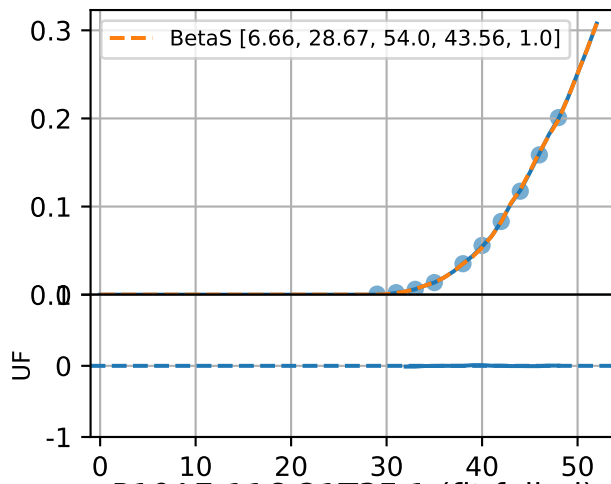
P10AE-103-17T3Fr1 (fit failed)



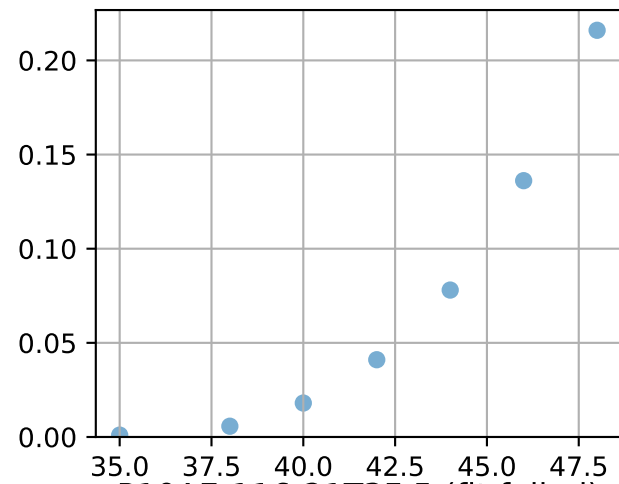
P10AE-116-21T1Fr1



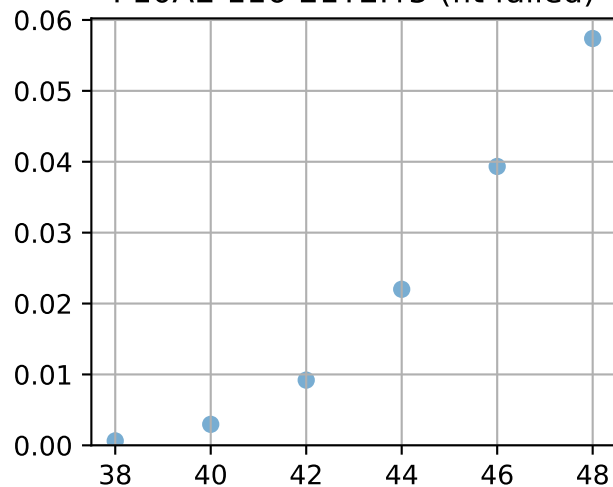
P10AE-116-21T1Fr5 (fit failed)



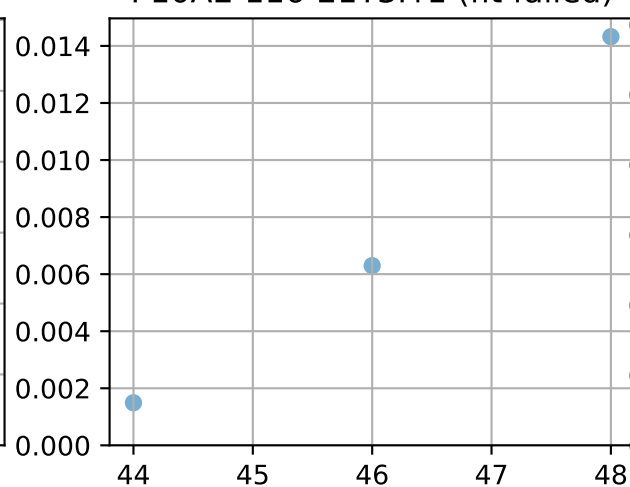
P10AE-116-21T2Fr1 (fit failed)



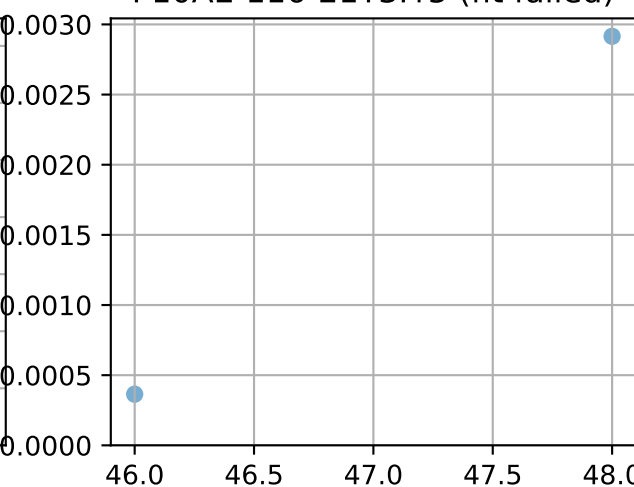
P10AE-116-21T2Fr5 (fit failed)

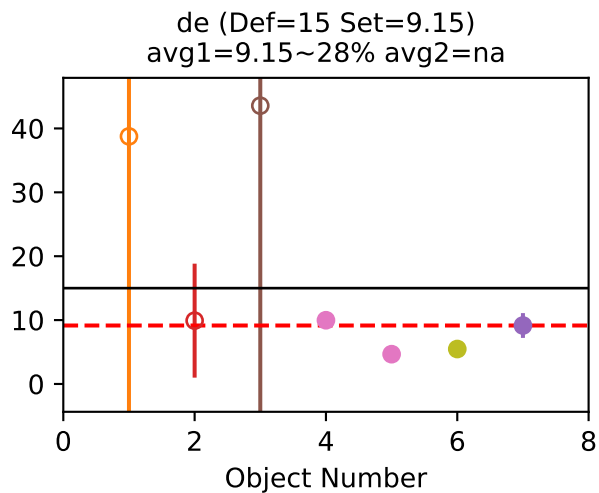
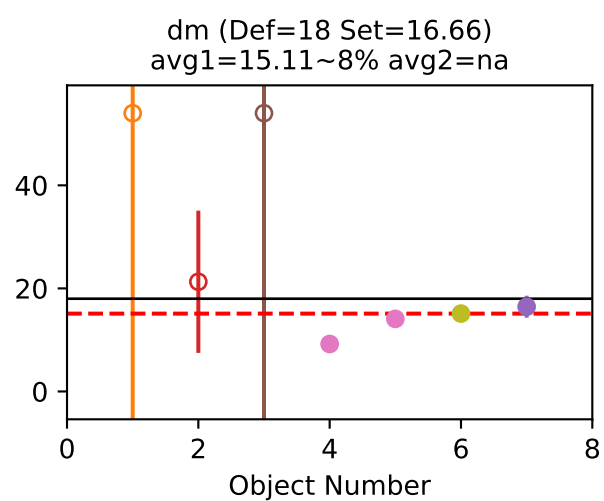
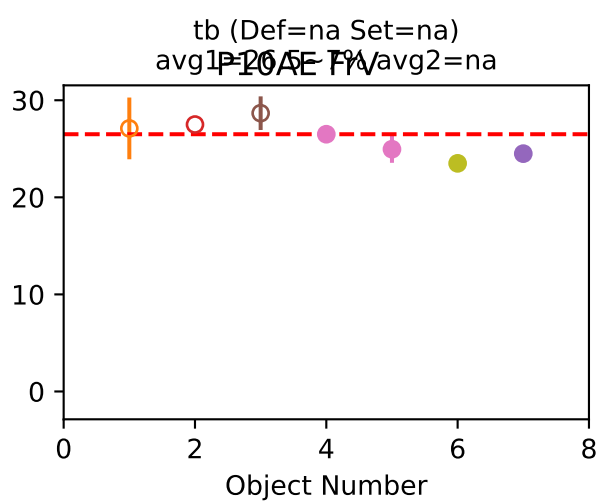
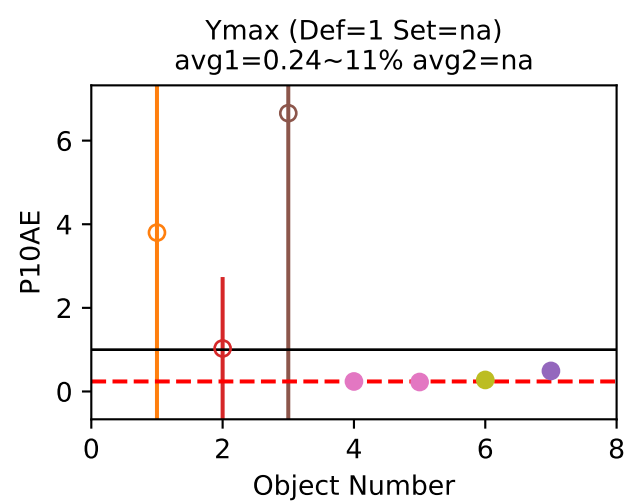


P10AE-116-21T3Fr1 (fit failed)

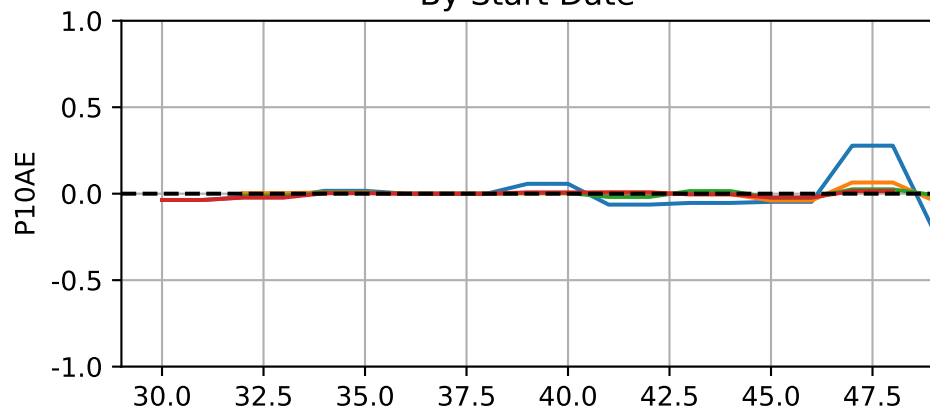


P10AE-116-21T3Fr5 (fit failed)

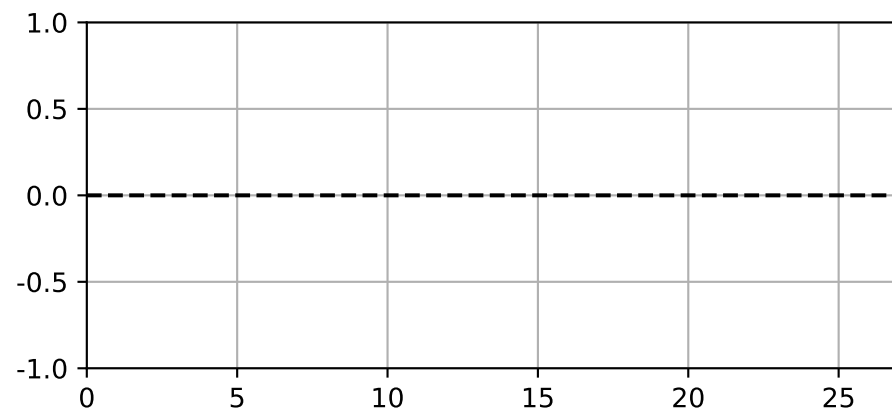
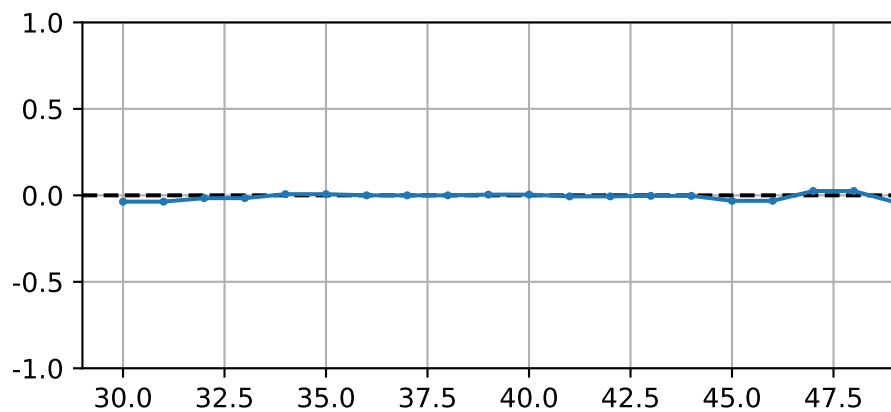
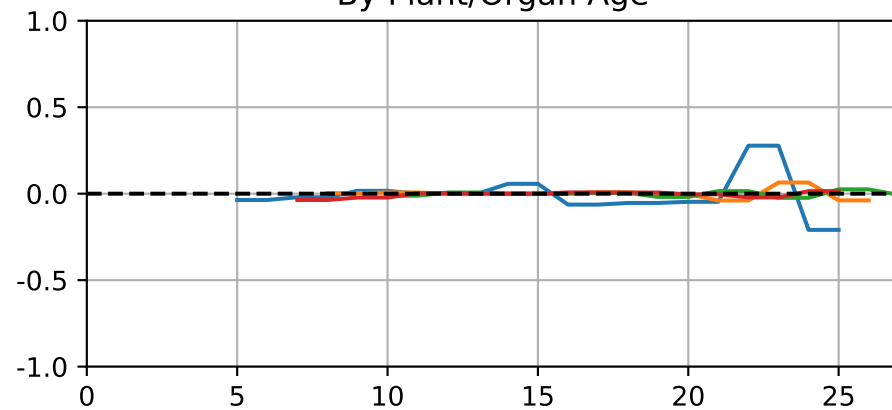




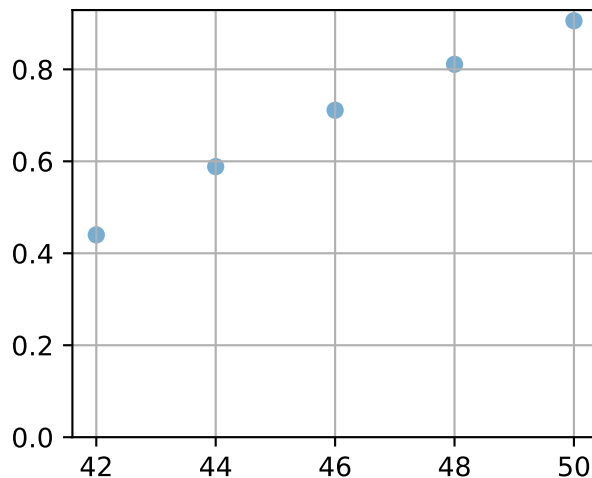
By Start Date



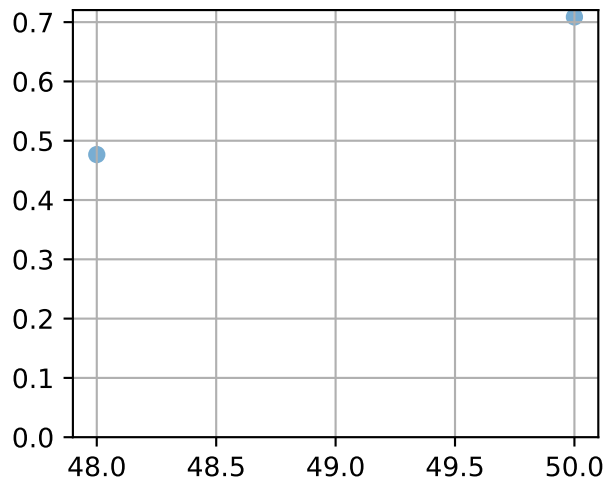
By Plant/Organ Age



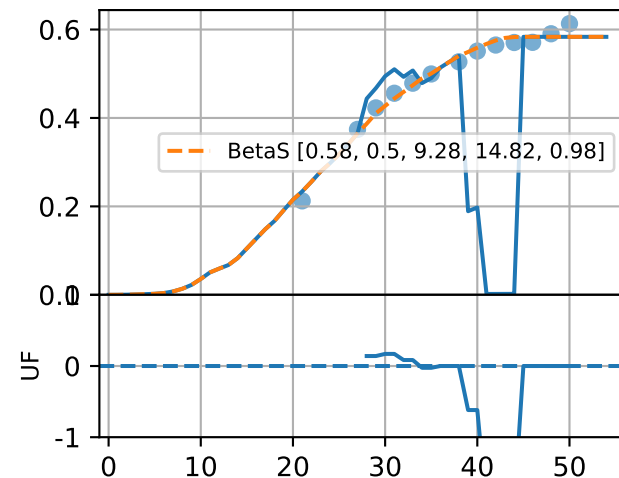
P10AE-063-19L13 (fit failed)



P10AE-063-19L16 (fit failed)



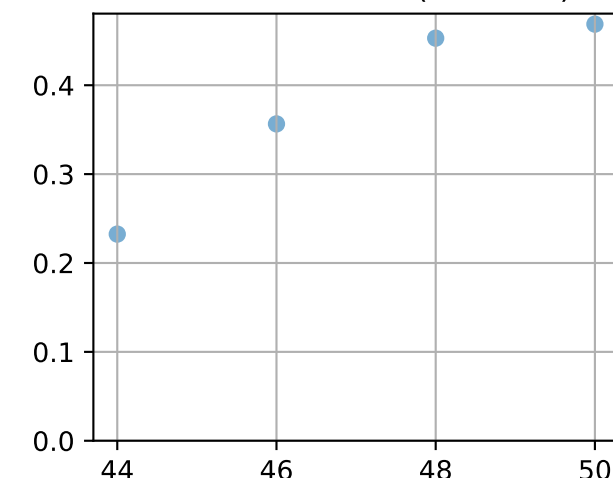
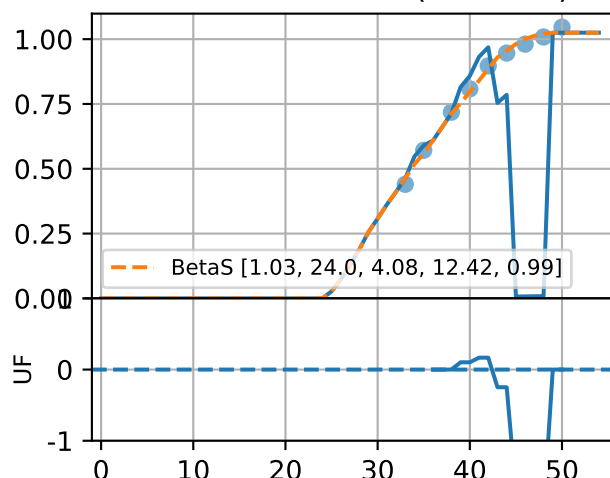
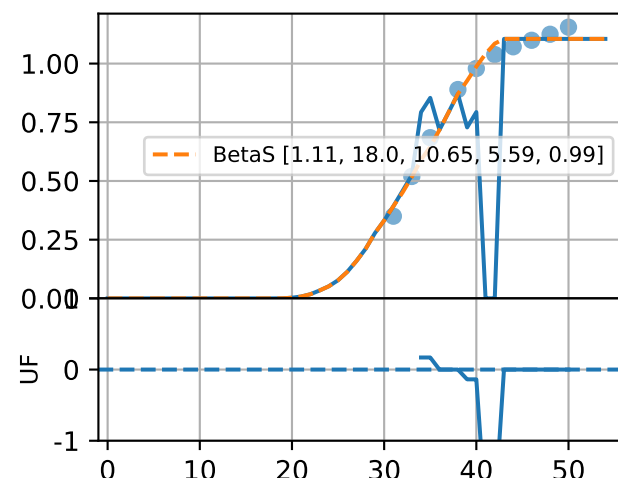
P10AE-063-19L6 (fit failed)



P10AE-063-19L9

P10AE-076-5L11 (fit failed)

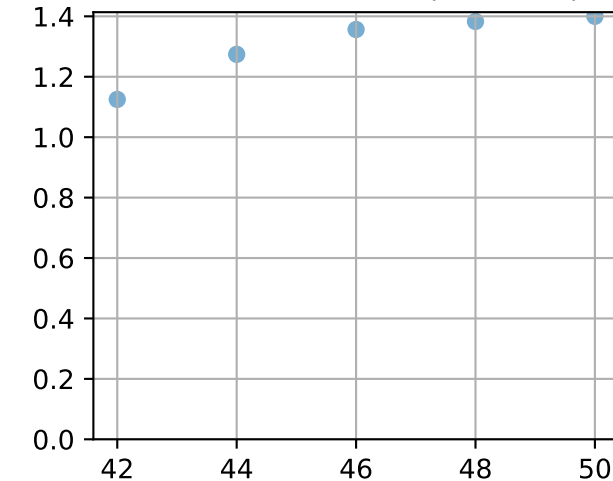
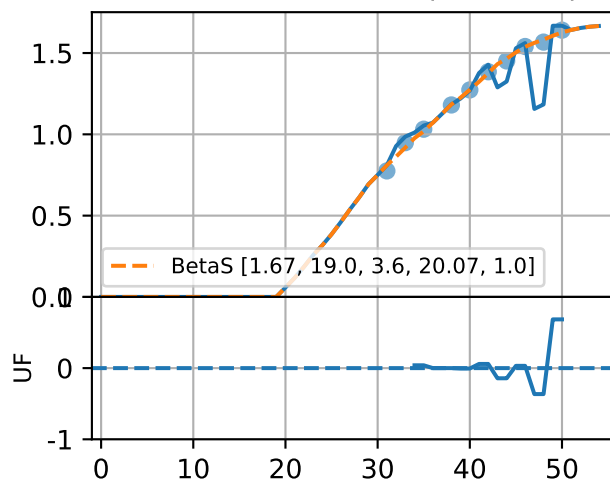
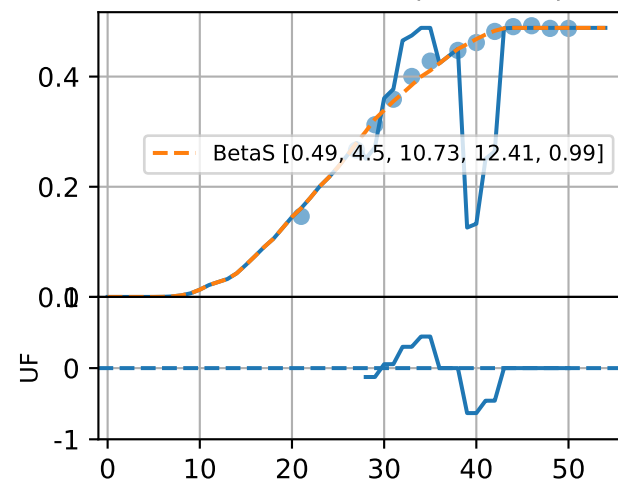
P10AE-076-5L15 (fit failed)



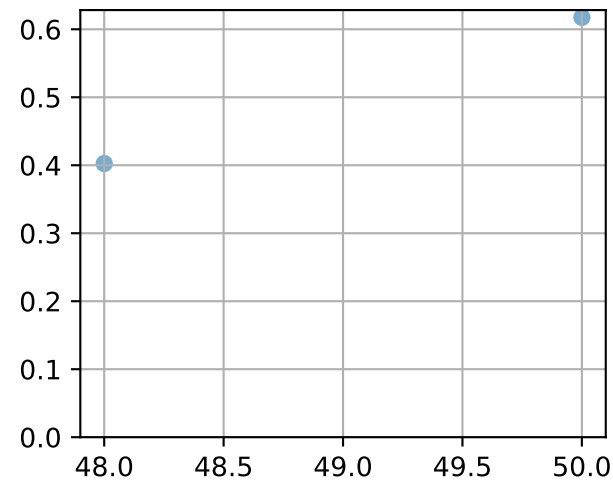
P10AE-076-5L7 (fit failed)

P10AE-089-22L10 (fit failed)

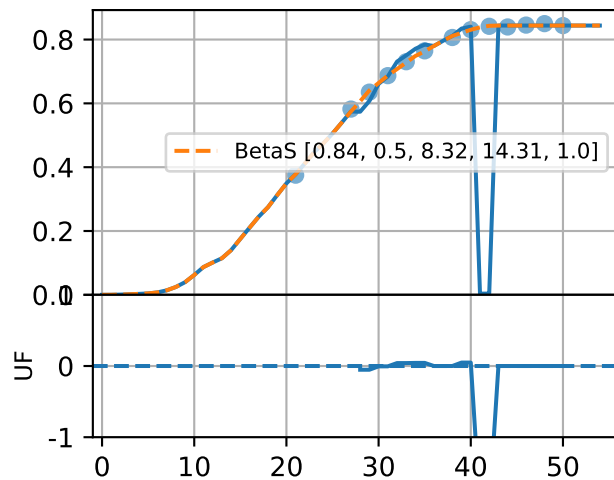
P10AE-089-22L13 (fit failed)



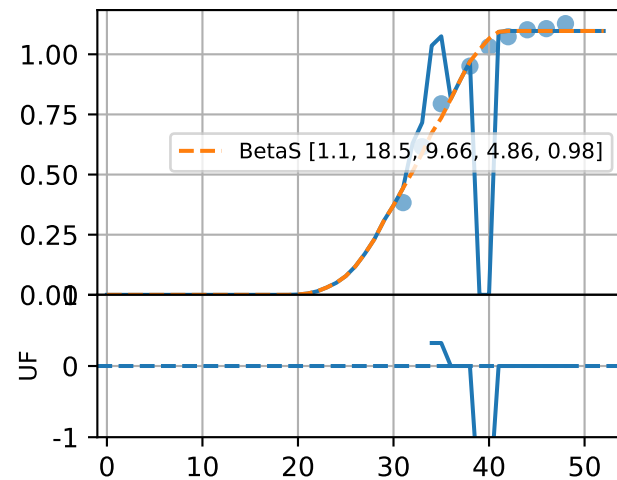
P10AE-089-22L16 (fit failed)



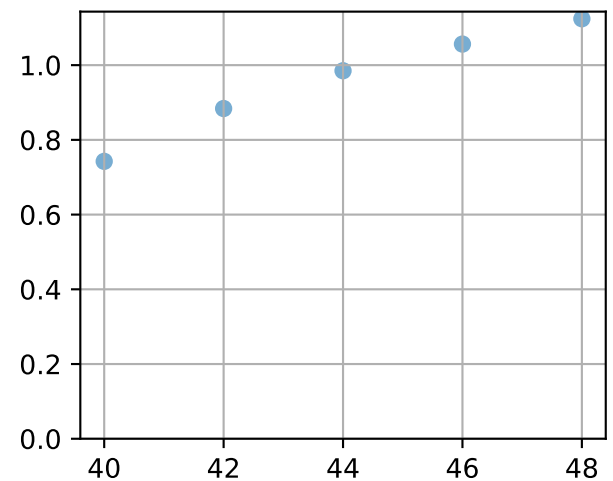
P10AE-089-22L7



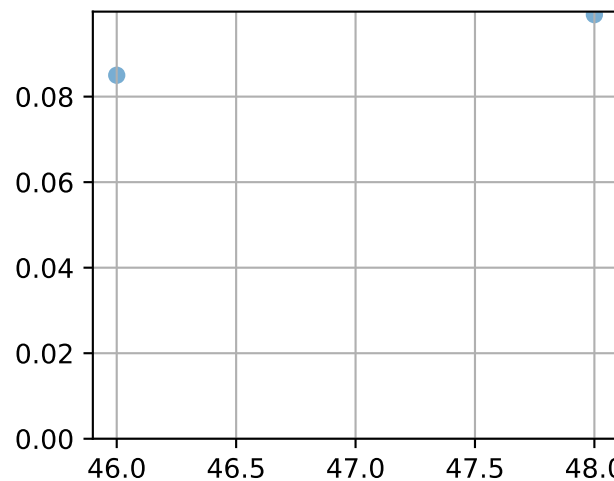
P10AE-103-17L10



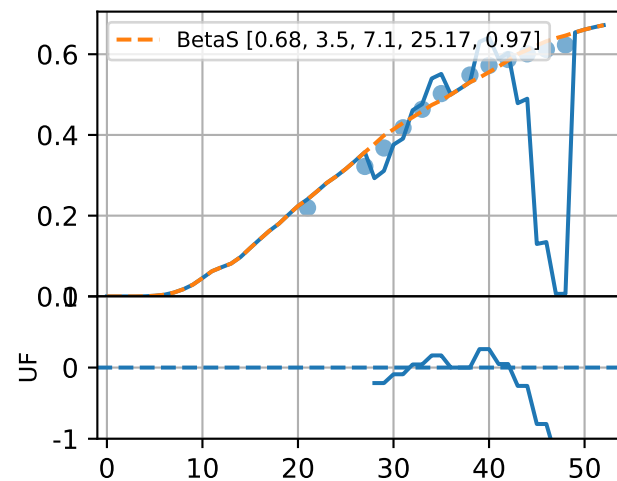
P10AE-103-17L14 (fit failed)



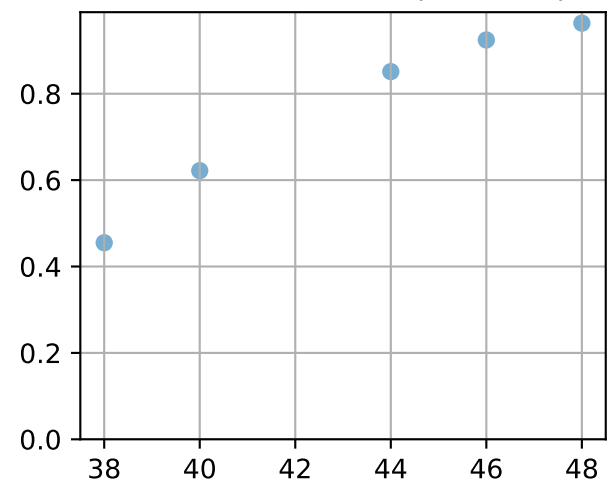
P10AE-103-17L16 (fit failed)



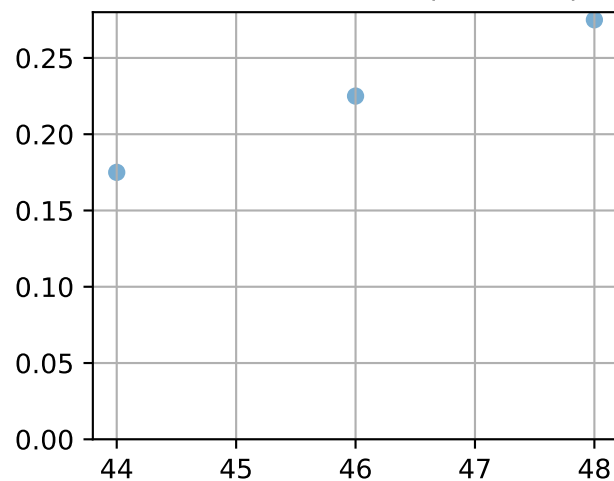
P10AE-103-17L7 (fit failed)



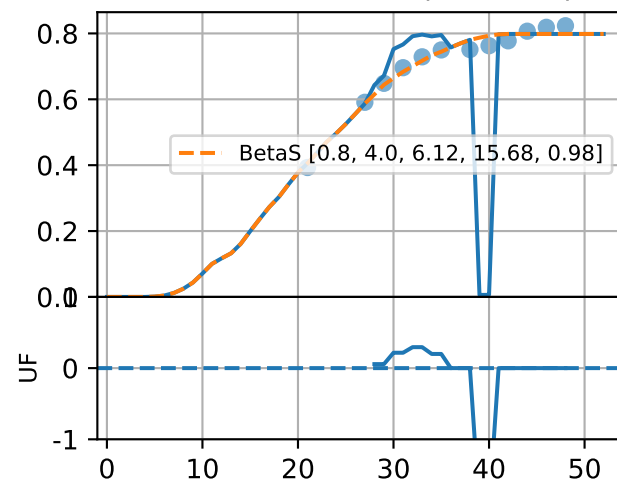
P10AE-116-21L12 (fit failed)



P10AE-116-21L15 (fit failed)

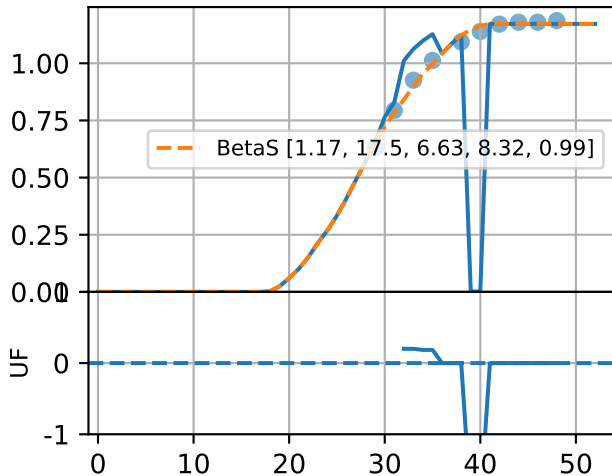


P10AE-116-21L6 (fit failed)

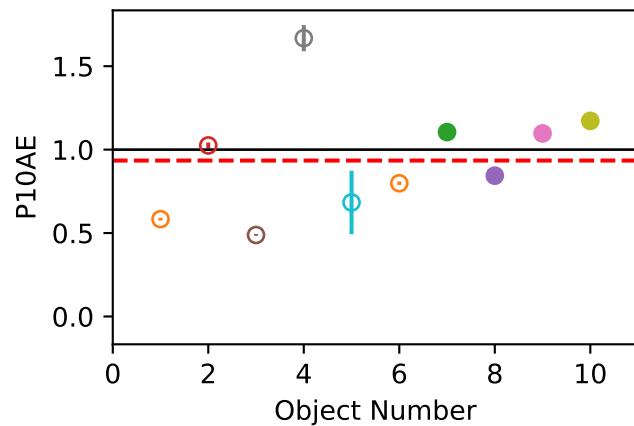


P10AE-116-21L9

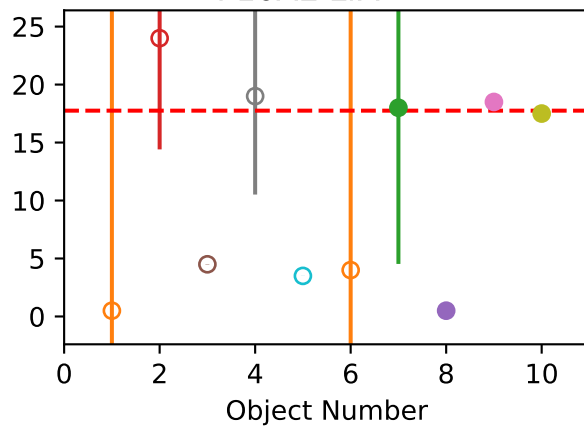
LfA



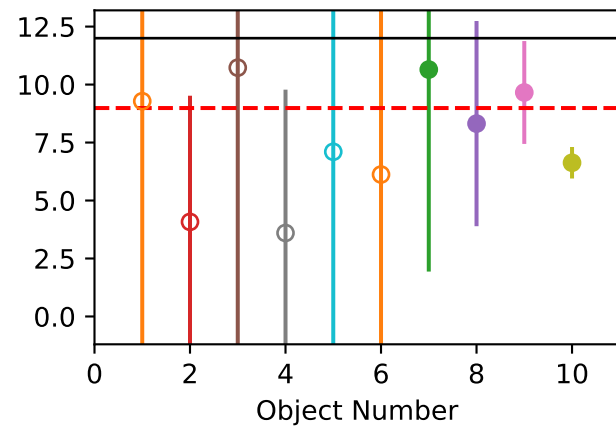
Ymax (Def=1 Set=0.93)
avg1=0.93~37% avg2=na



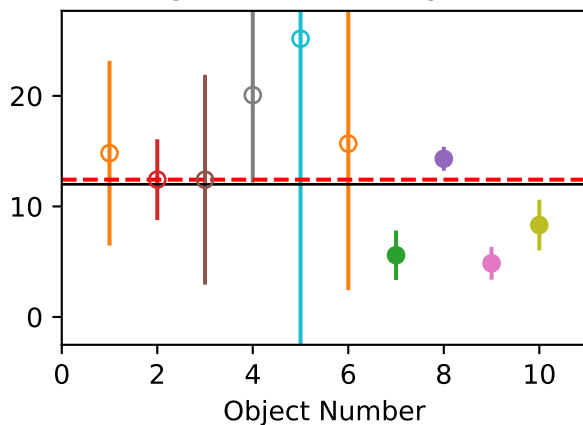
tb (Def=na Set=na)
avg1=17.05~10% avg2=na



dm (Def=12 Set=12)
avg1=8.99~19% avg2=na

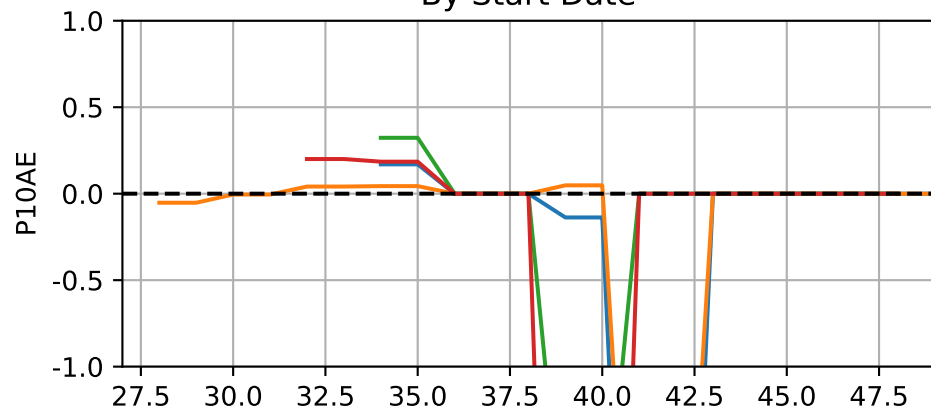


de (Def=12 Set=12.42)
avg1=12.42~40% avg2=na

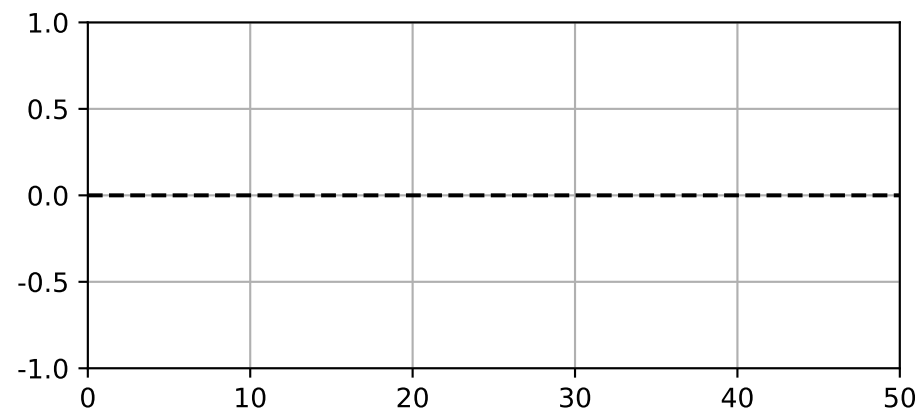
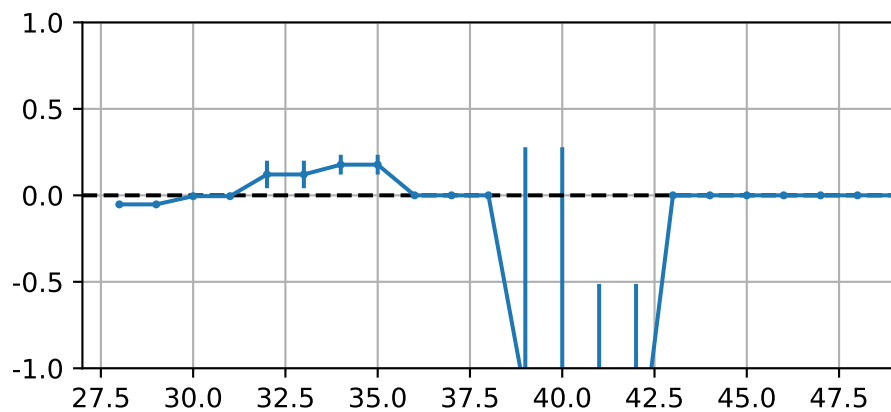
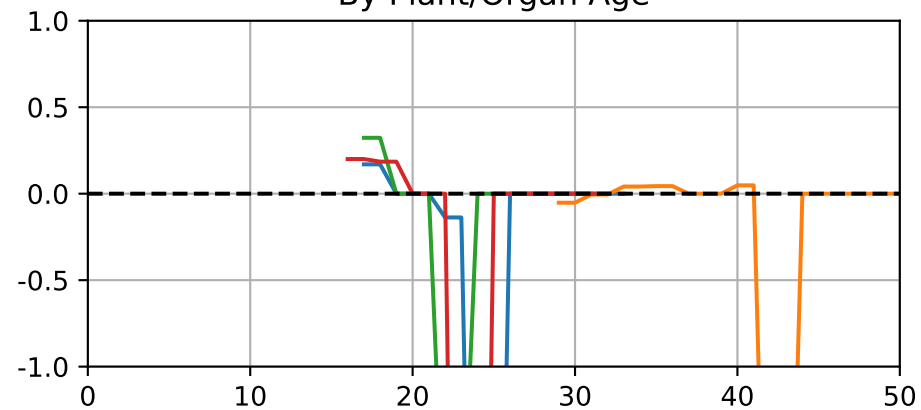


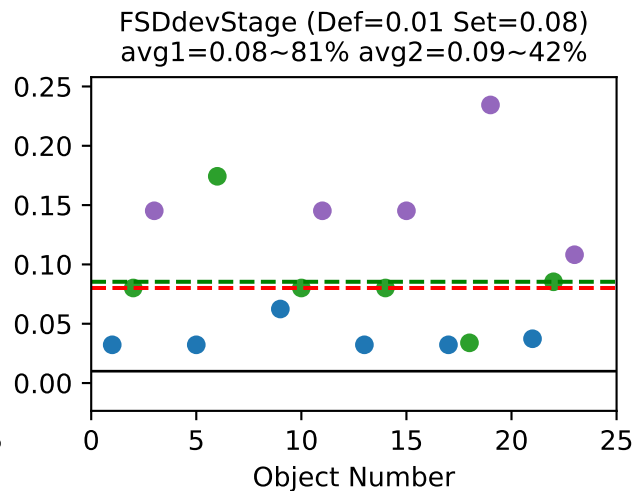
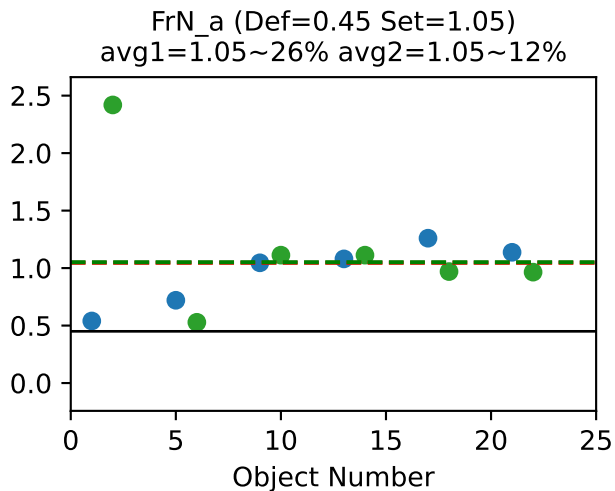
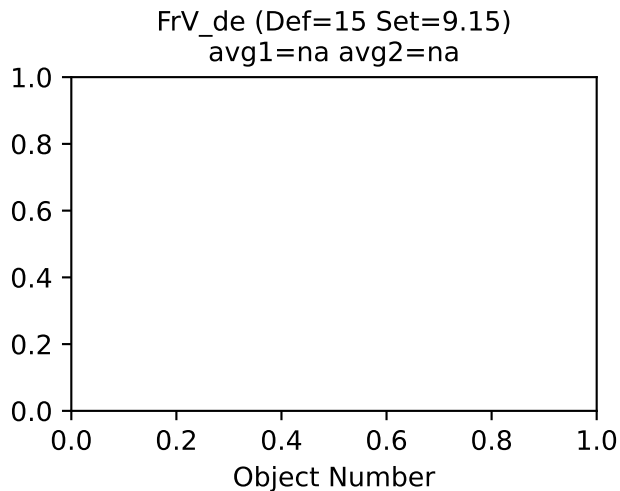
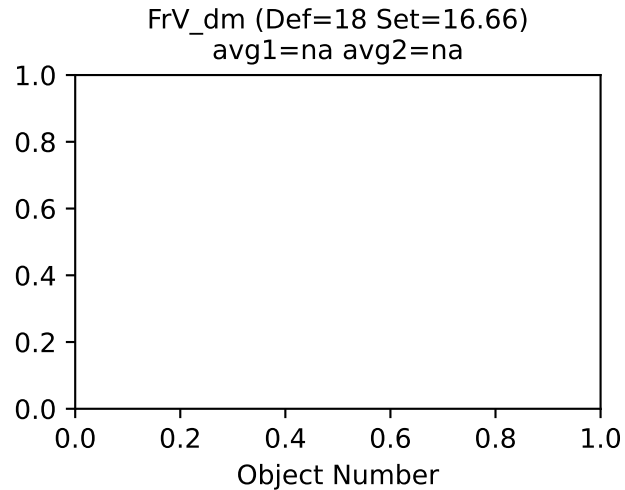
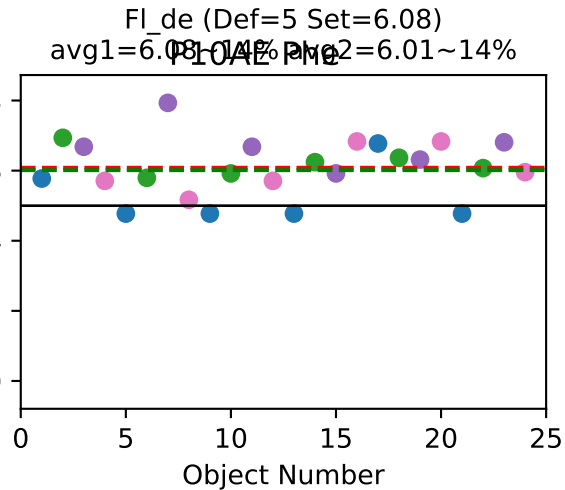
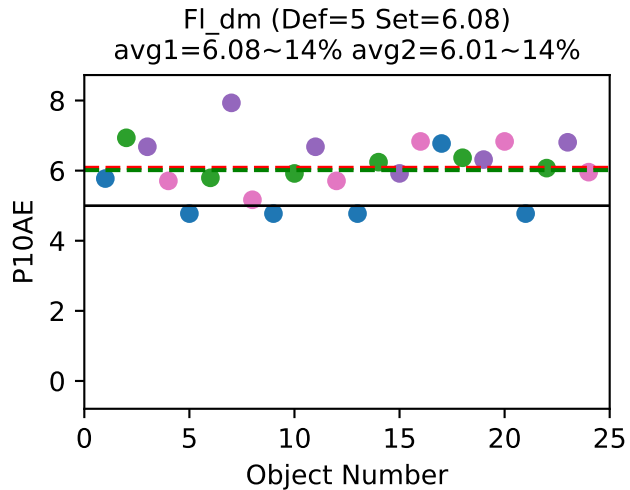
LfA

By Start Date

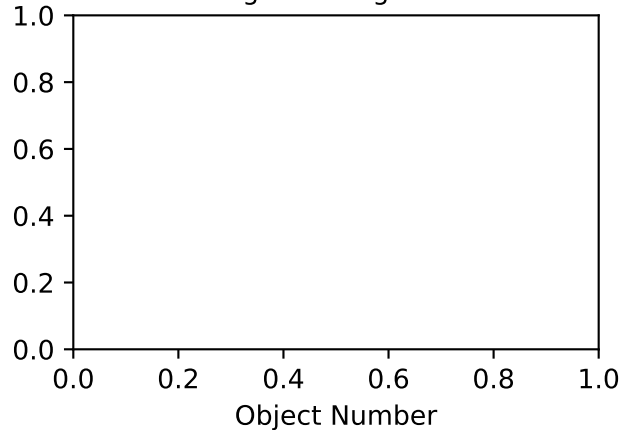


By Plant/Organ Age

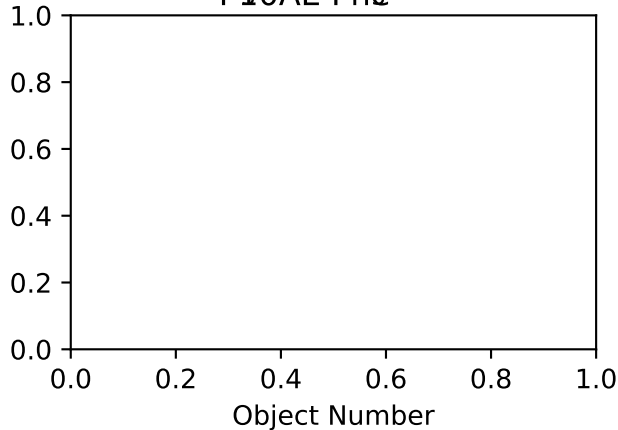




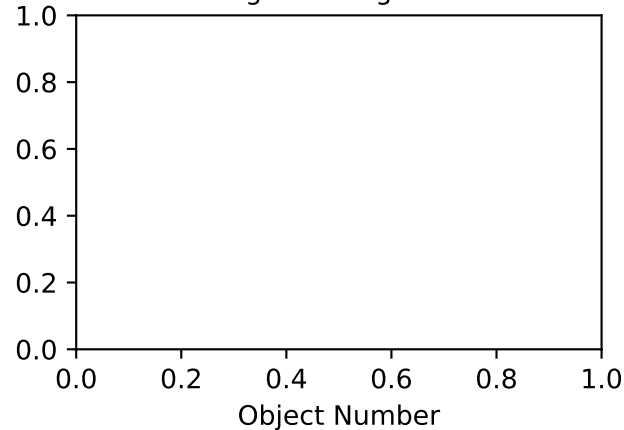
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



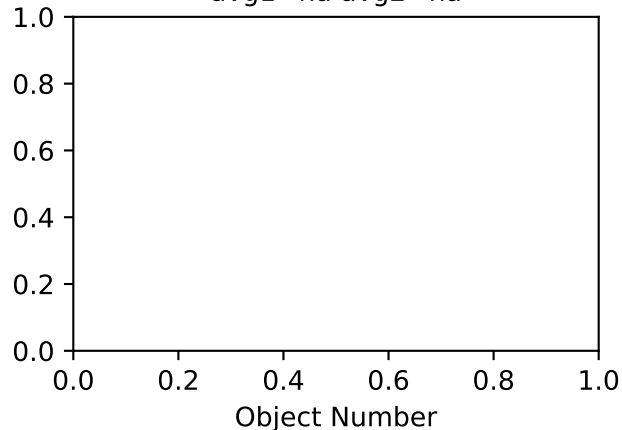
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



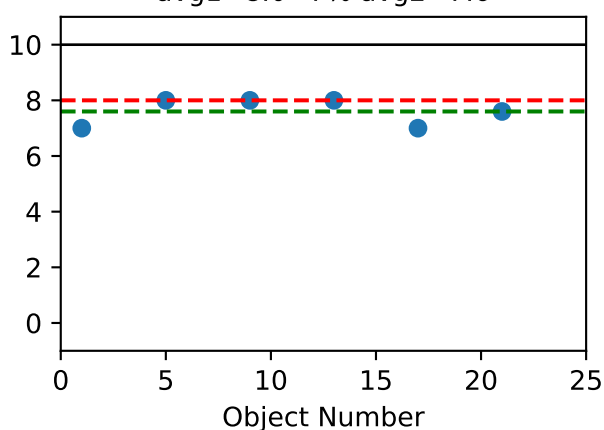
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

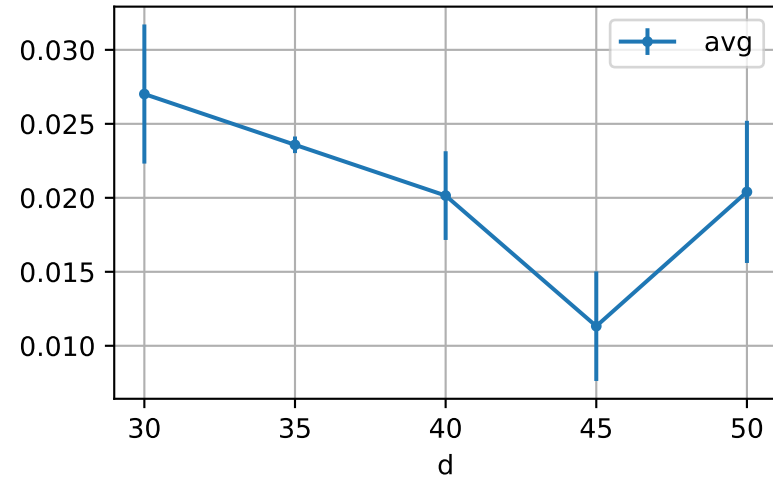


NNgen (Def=10 Set=8)
avg1=8.0~7% avg2=7.6

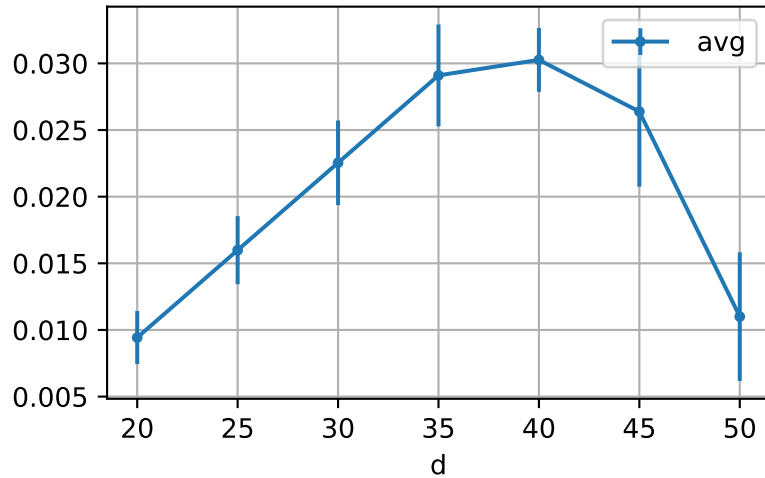


LfA: avg vs. d at each age group

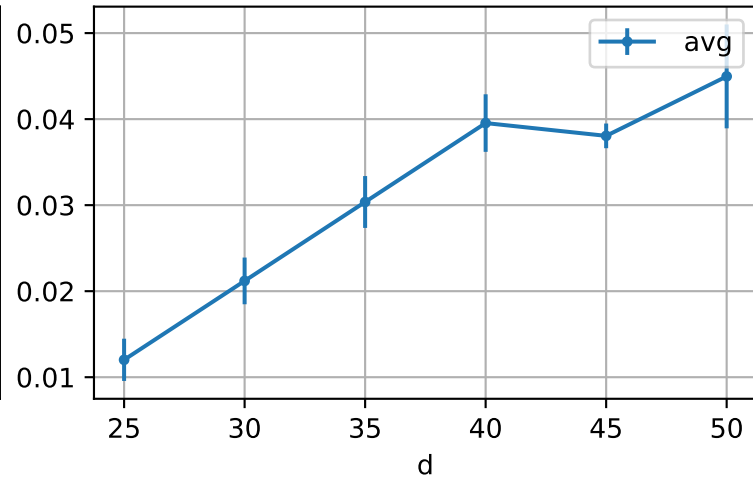
age=20



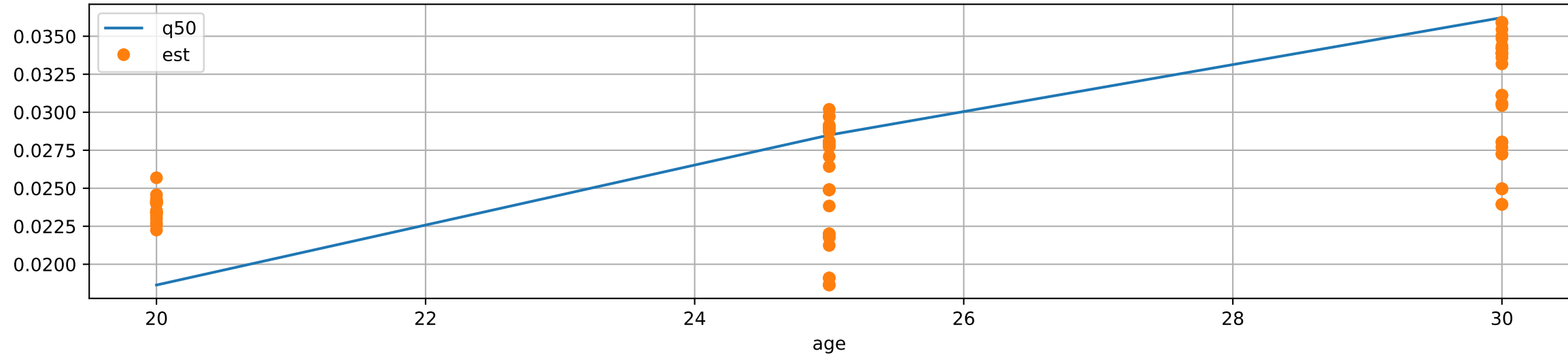
age=25



age=30

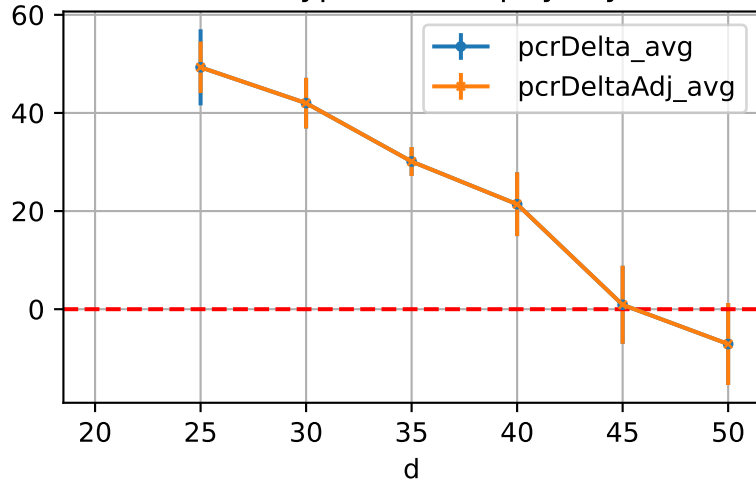


LfA: model est vs obsOv@Q50

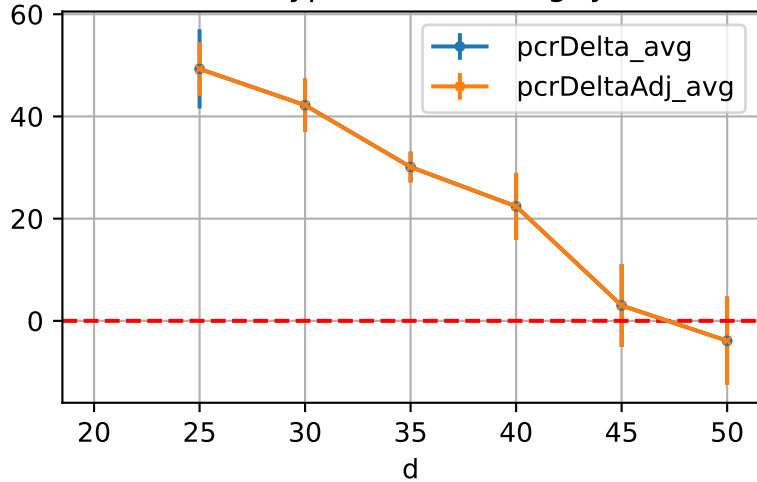


P10AE LfA: D_5d_LfA

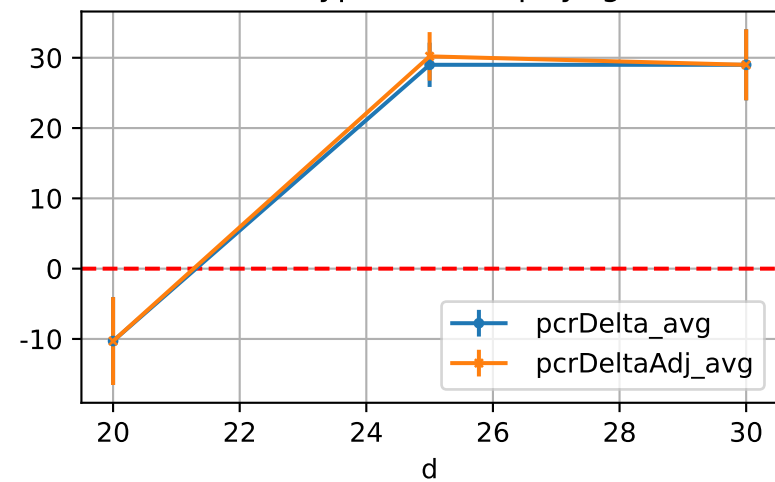
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

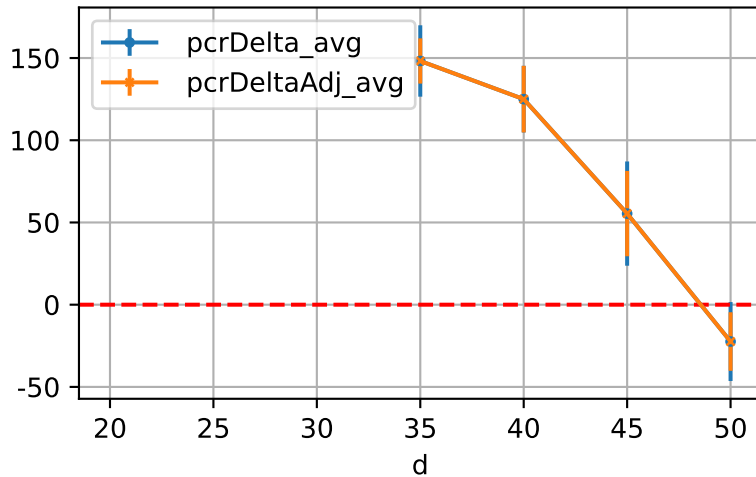


DeltaTypeAbbr=GrpByAge

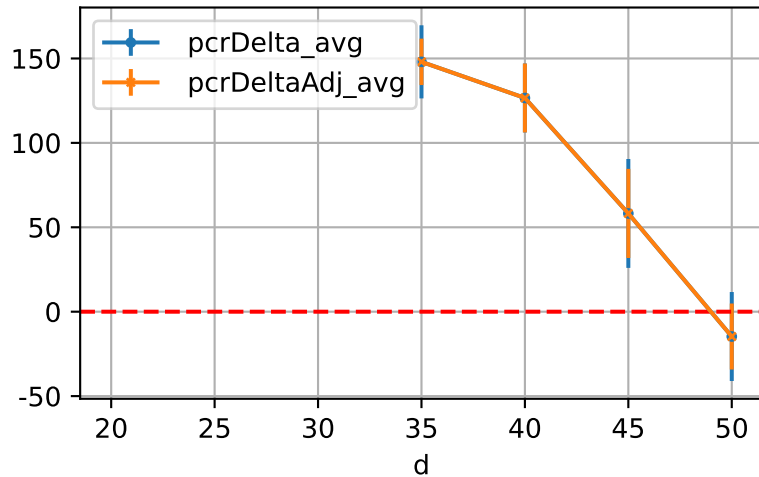


P10AE LfA: D_15d_LfA

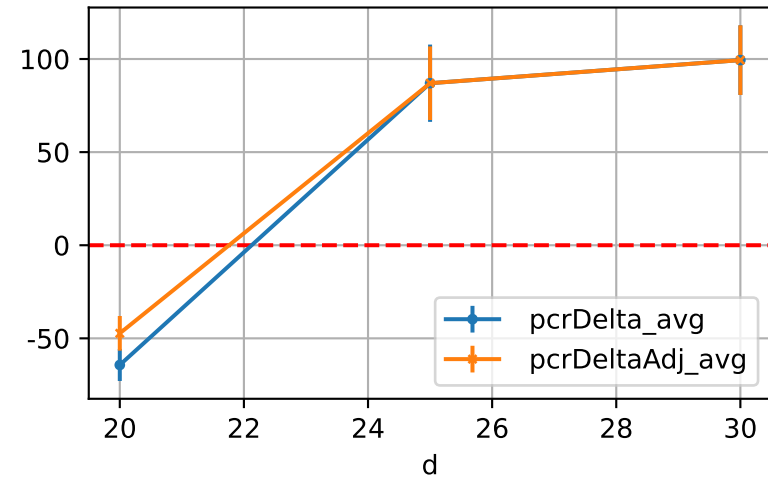
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

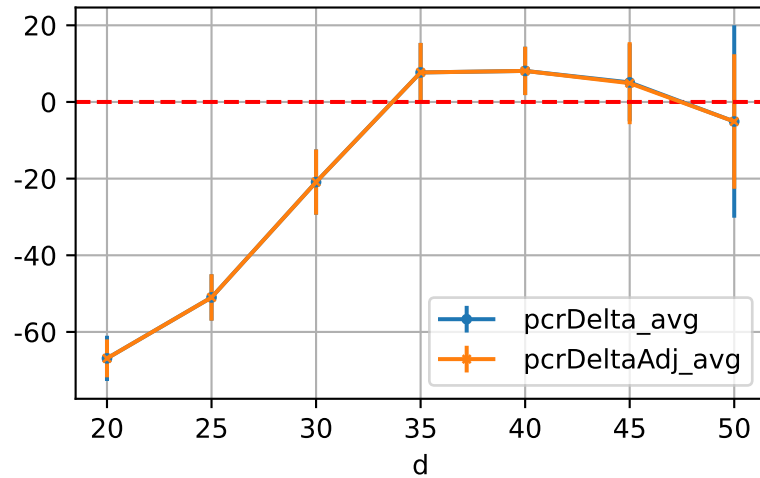


DeltaTypeAbbr=GrpByAge

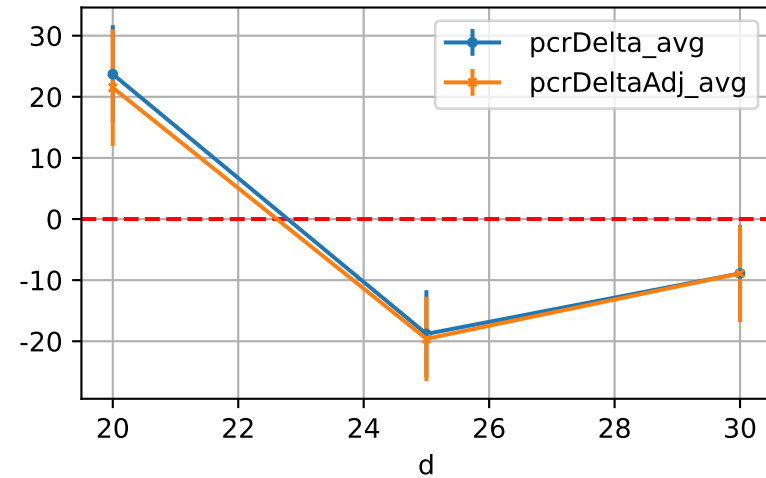


P10AE LfA: D_Q50_LfA

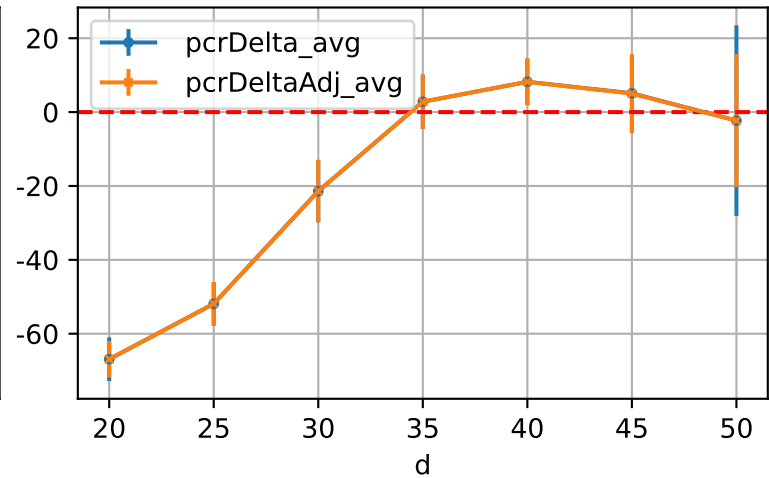
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

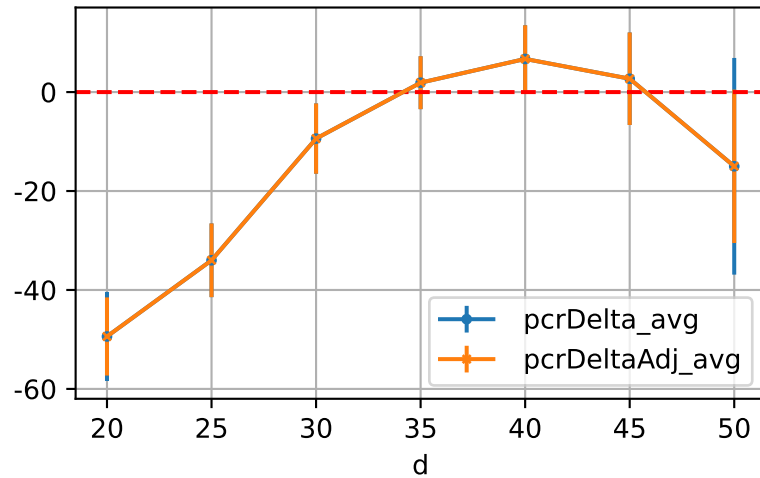


DeltaTypeAbbr=WeiAvgByD

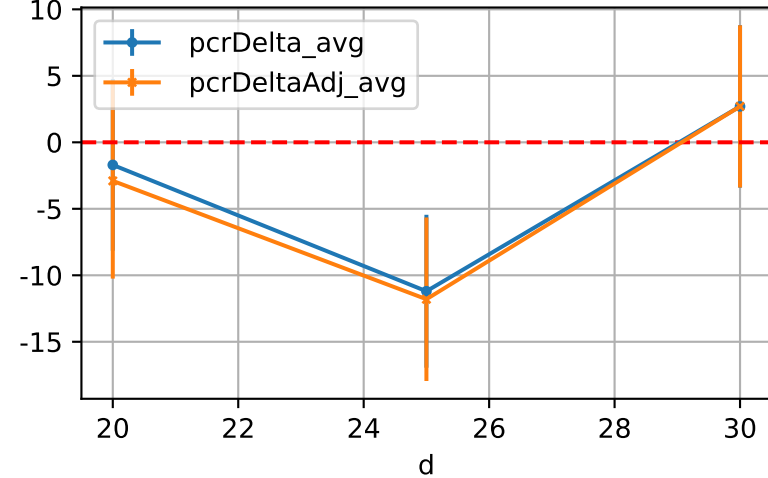


P10AE LfA: D_Est_LfA

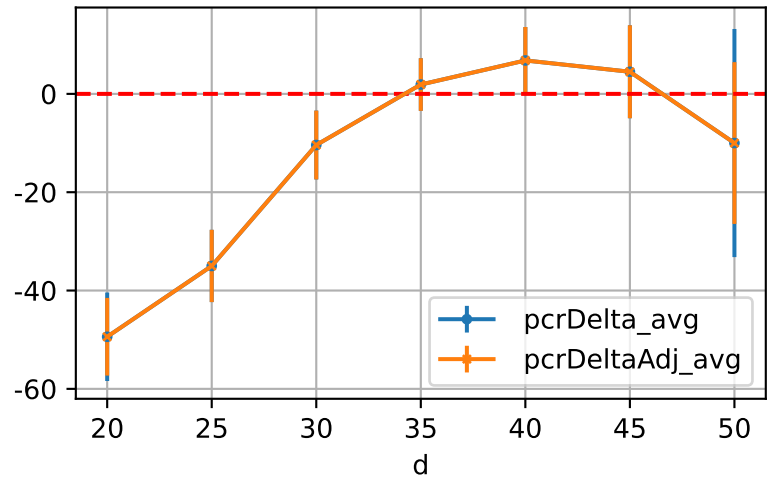
DeltaTypeAbbr=GrpByDay



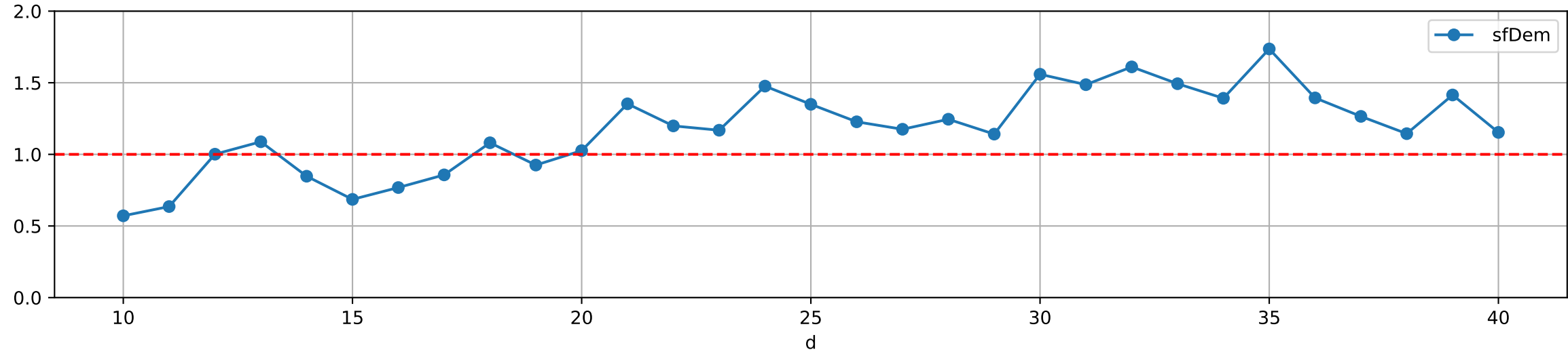
DeltaTypeAbbr=GrpByAge

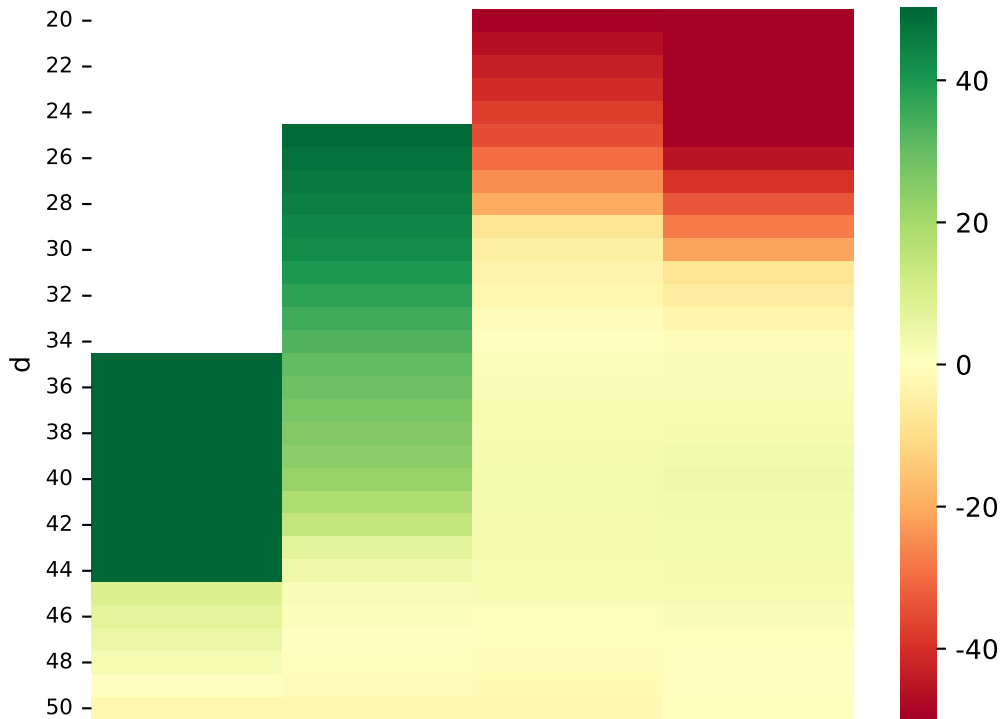


DeltaTypeAbbr=WeiAvgByD



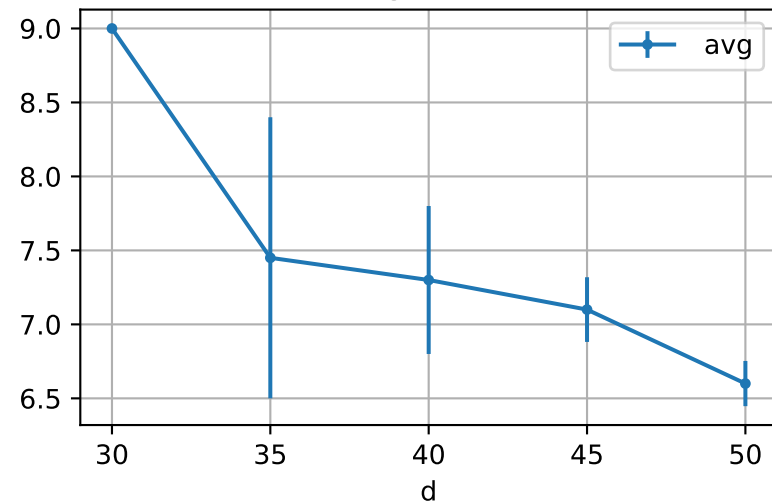
LfA: sfDem



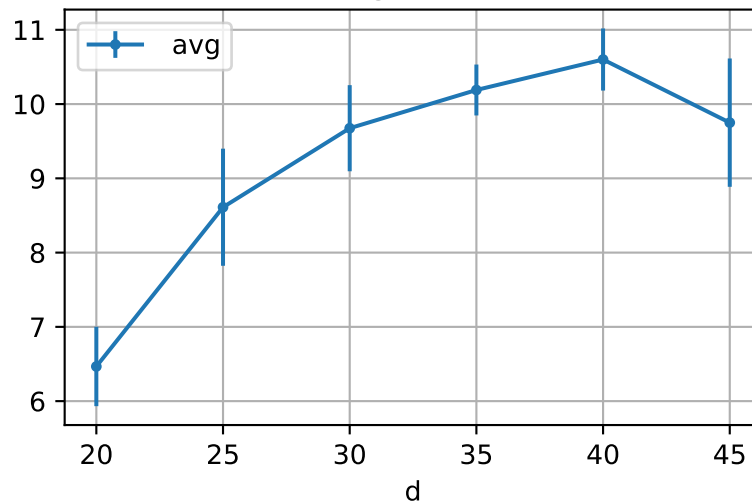


NdD: avg vs. d at each age group

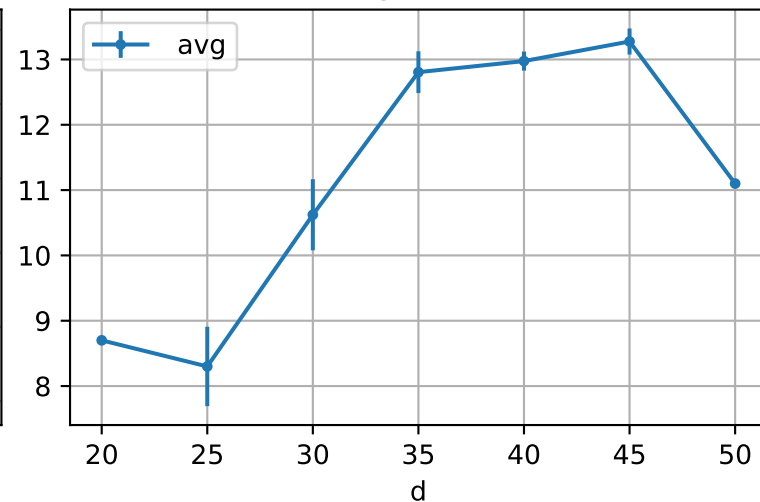
age=15



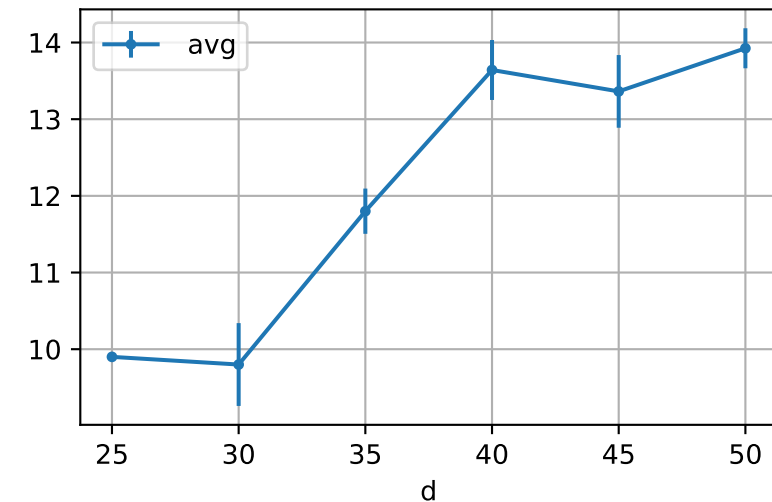
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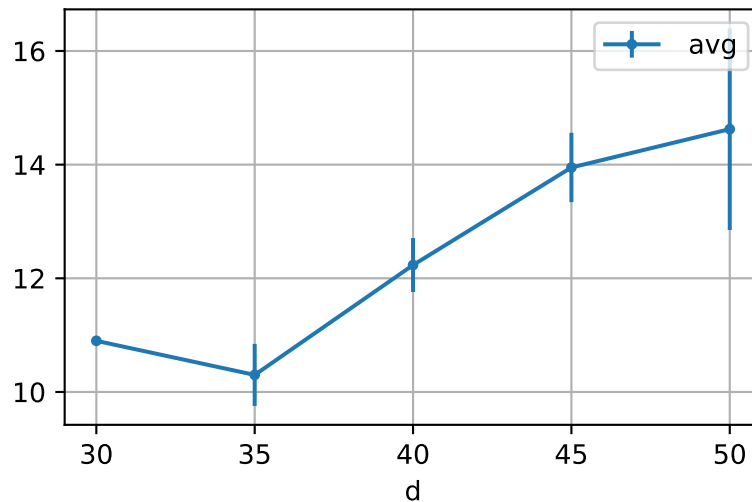
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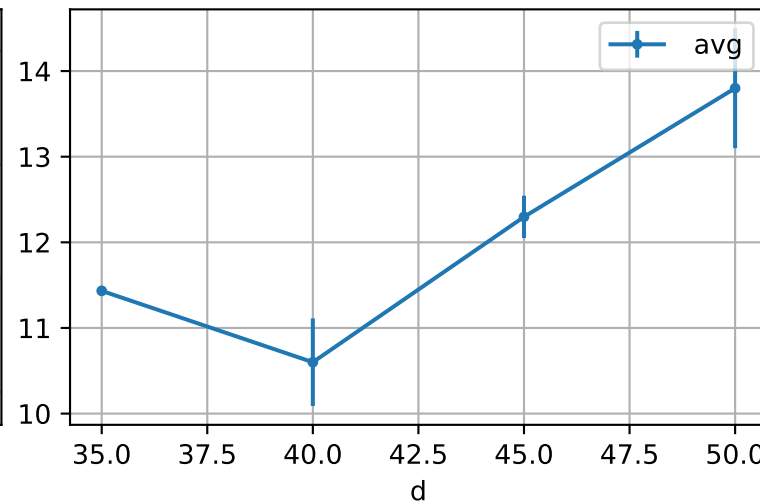
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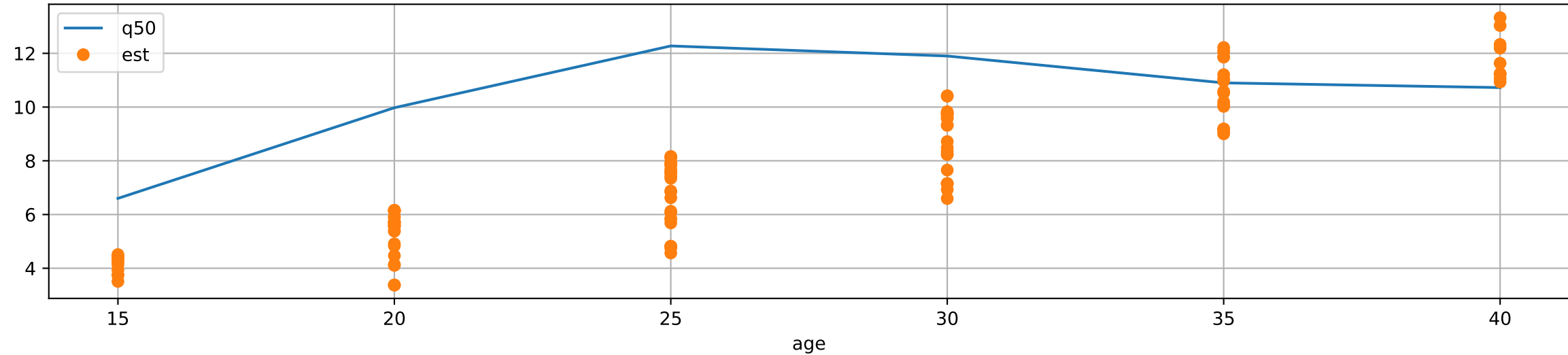
age=35



age=40

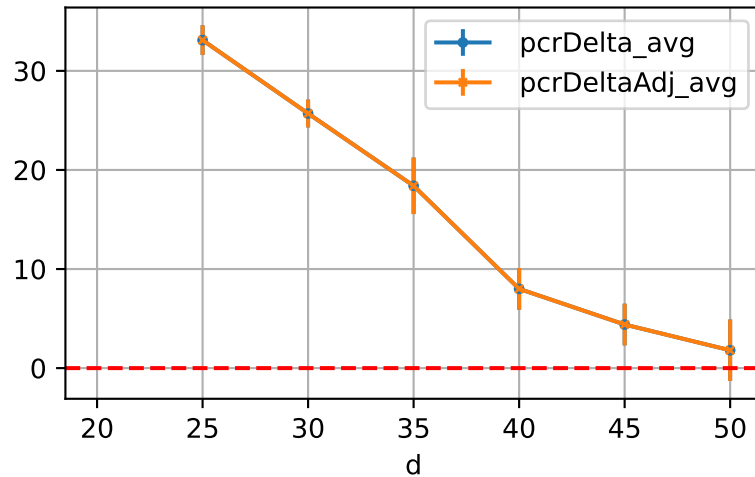


NdD: model est vs obsOv@Q50

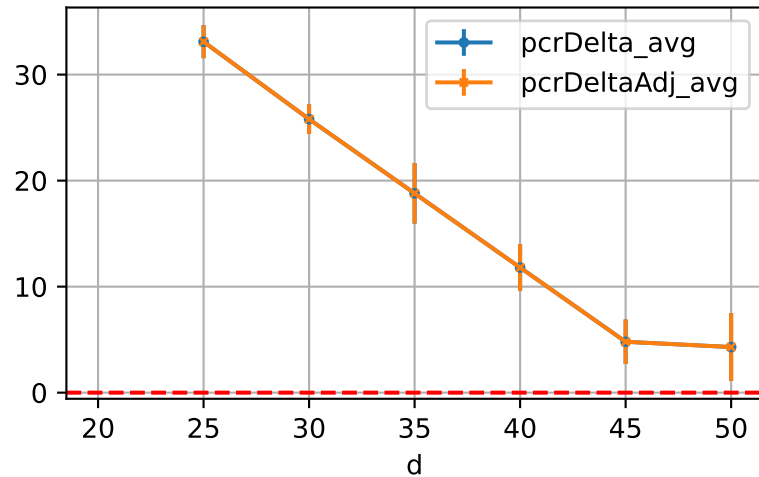


P10AE NdD: D_5d_NdD

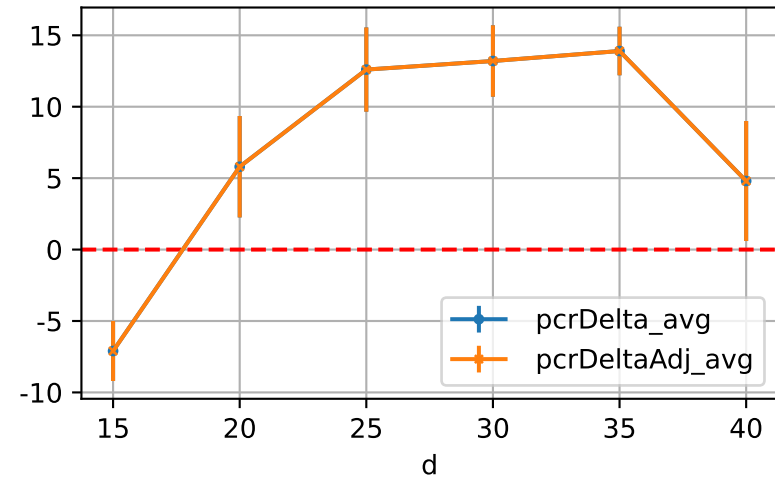
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

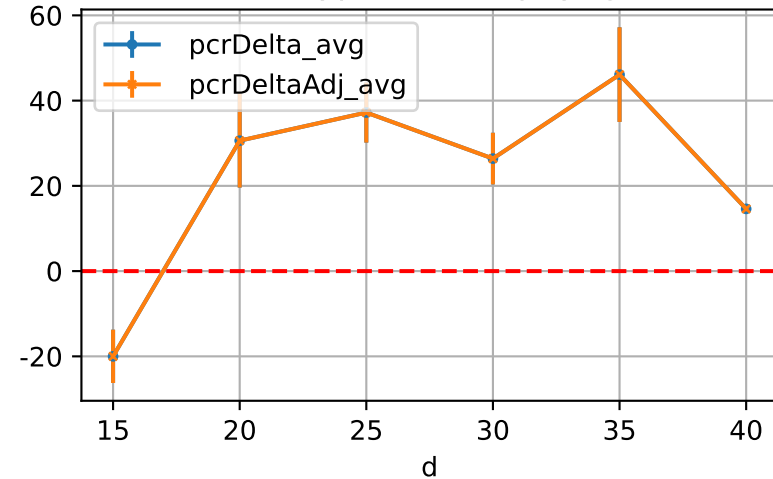


DeltaTypeAbbr=GrpByAge

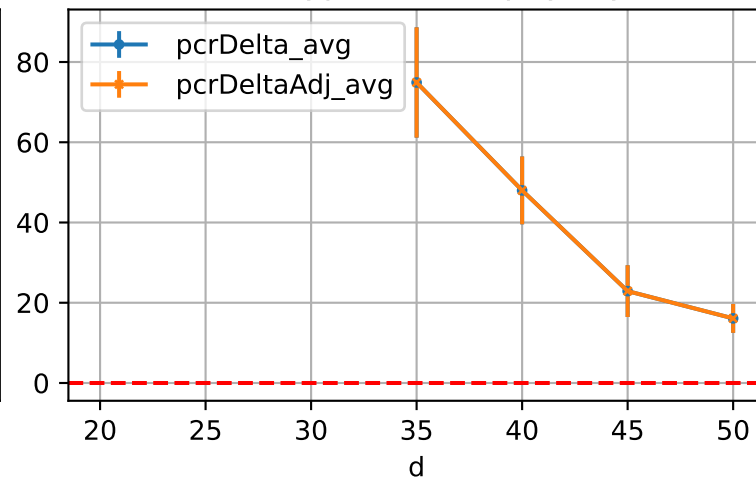


P10AE NdD: D_15d_NdD

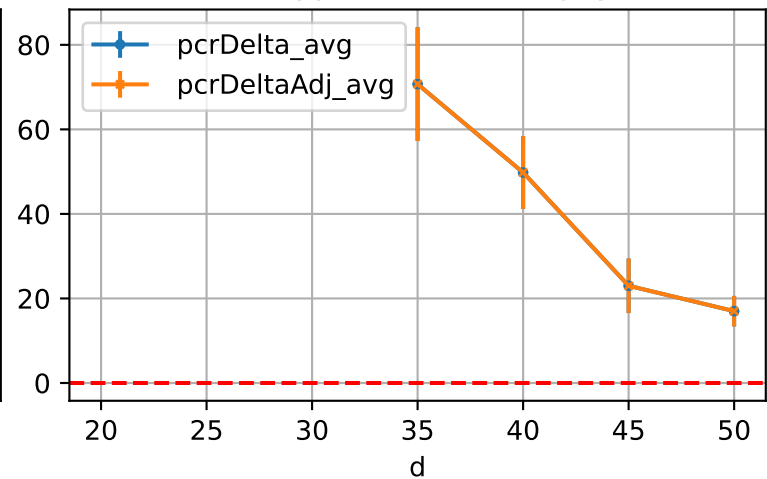
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

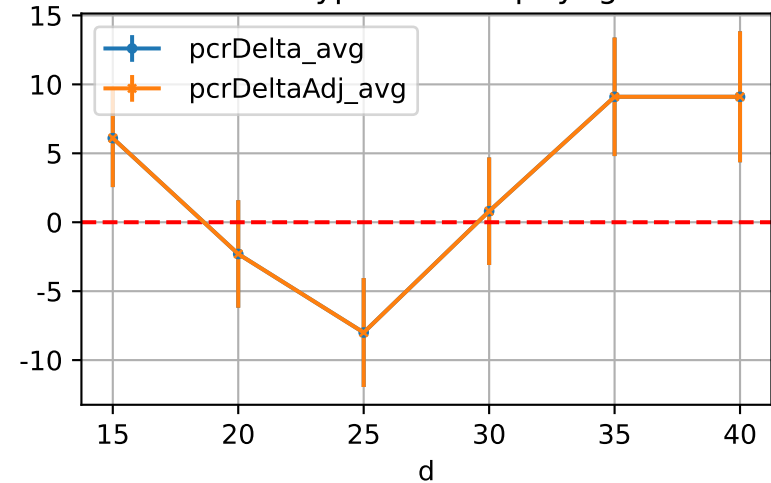


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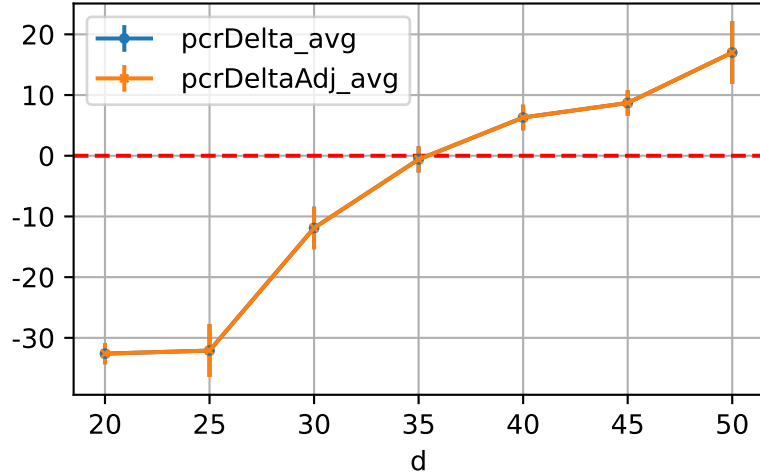


P10AE NdD: D_Q50_NdD

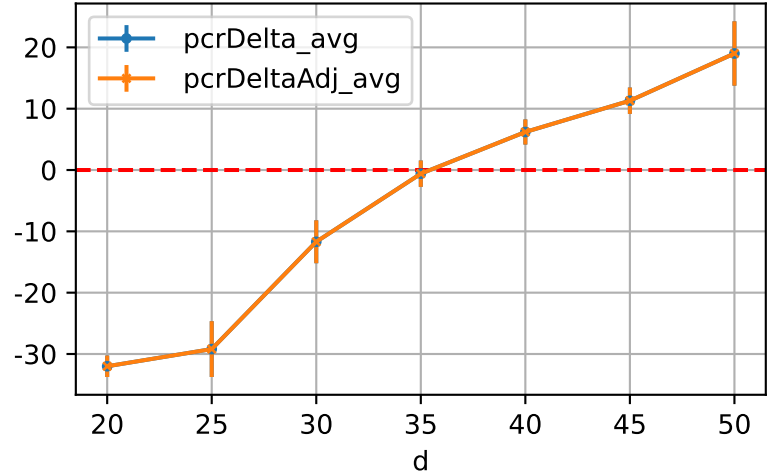
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

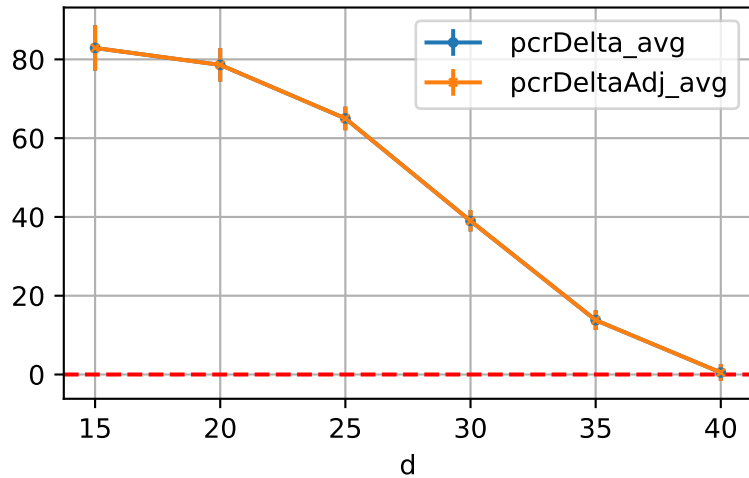


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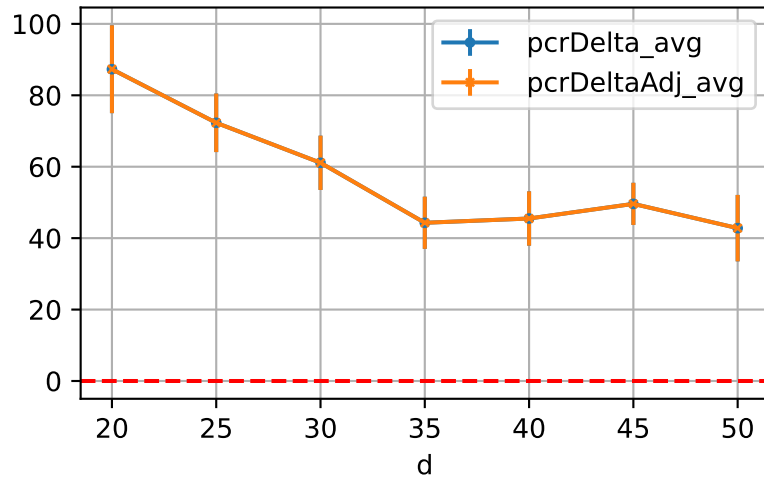


P10AE NdD: D_Est_NdD

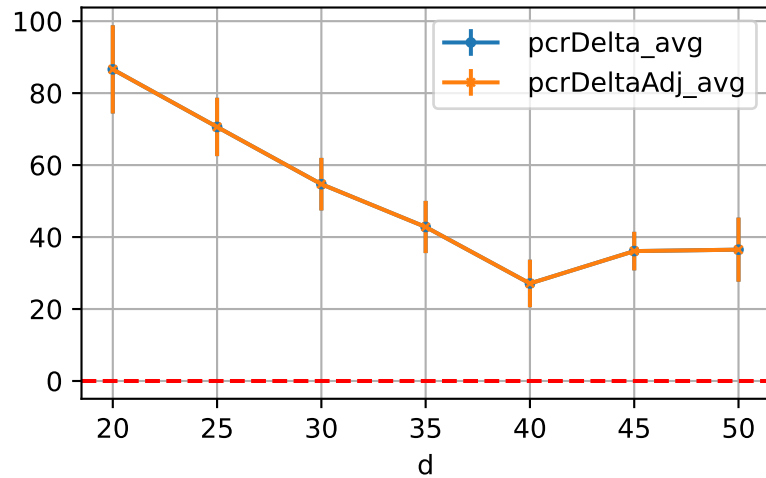
DeltaTypeAbbr=GrpByAge



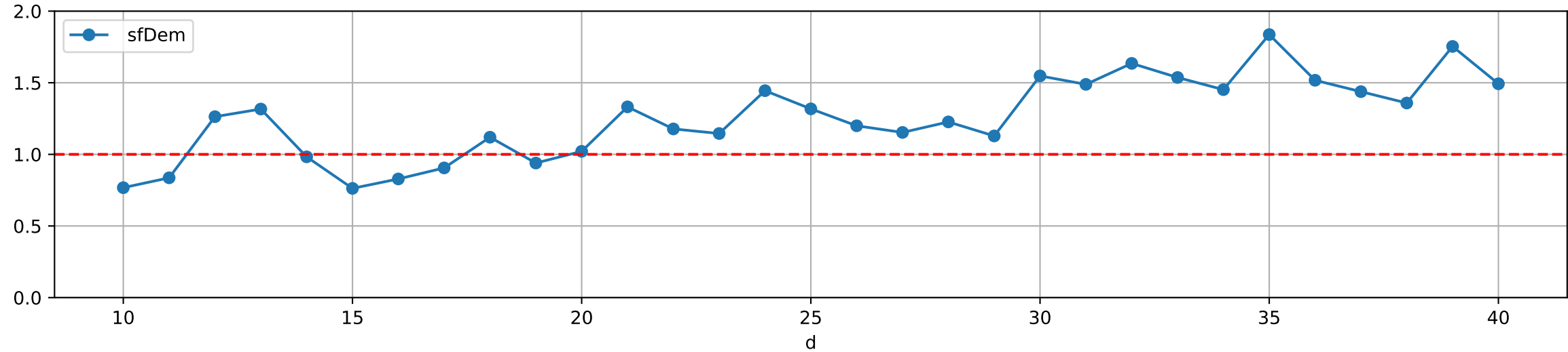
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

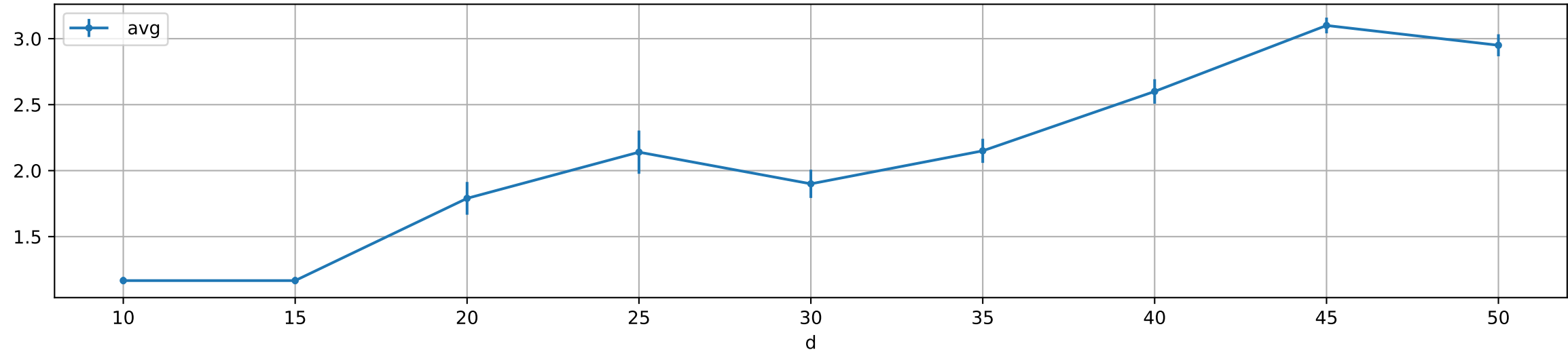


NdD: sfDem

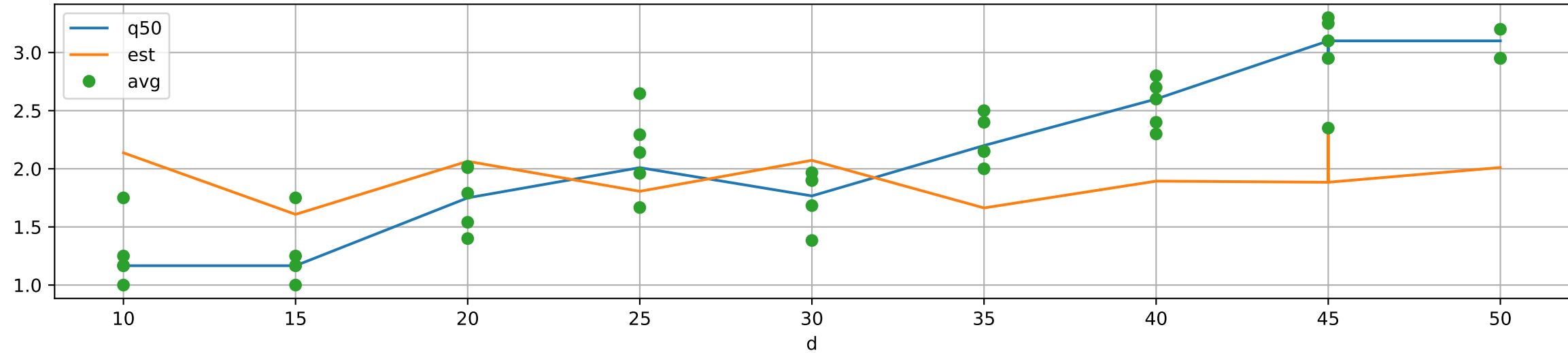




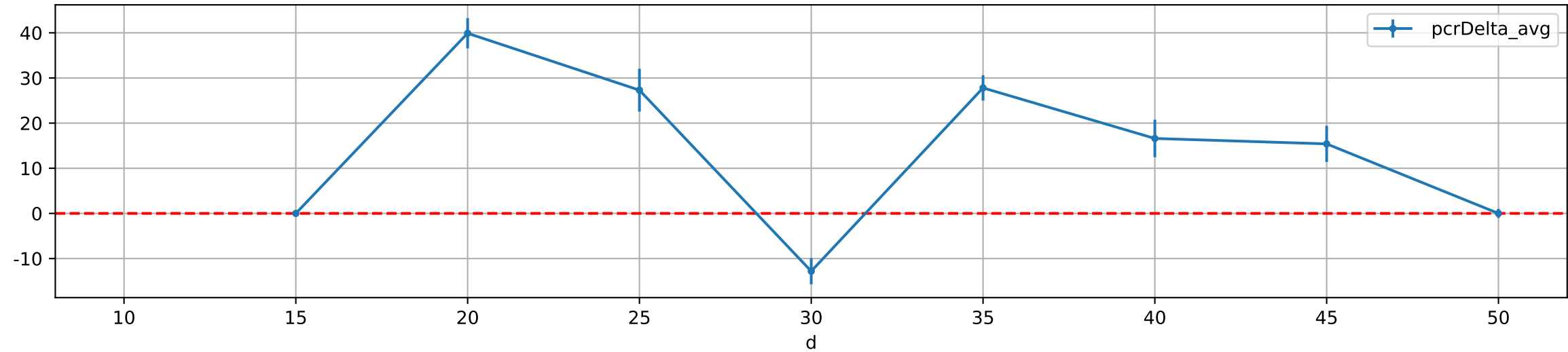
dStH: avg vs. d



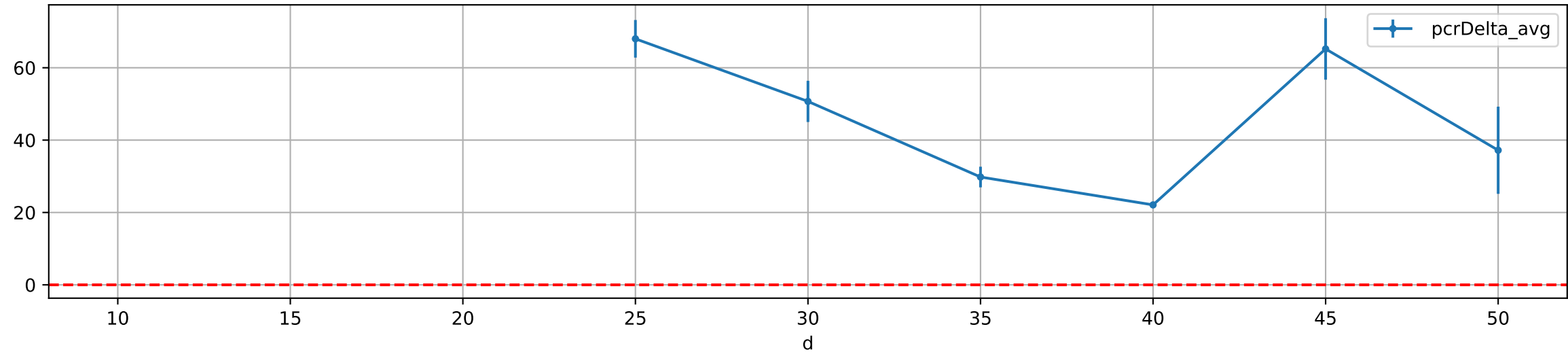
dStH: obsAvg vs obsOv@Q50



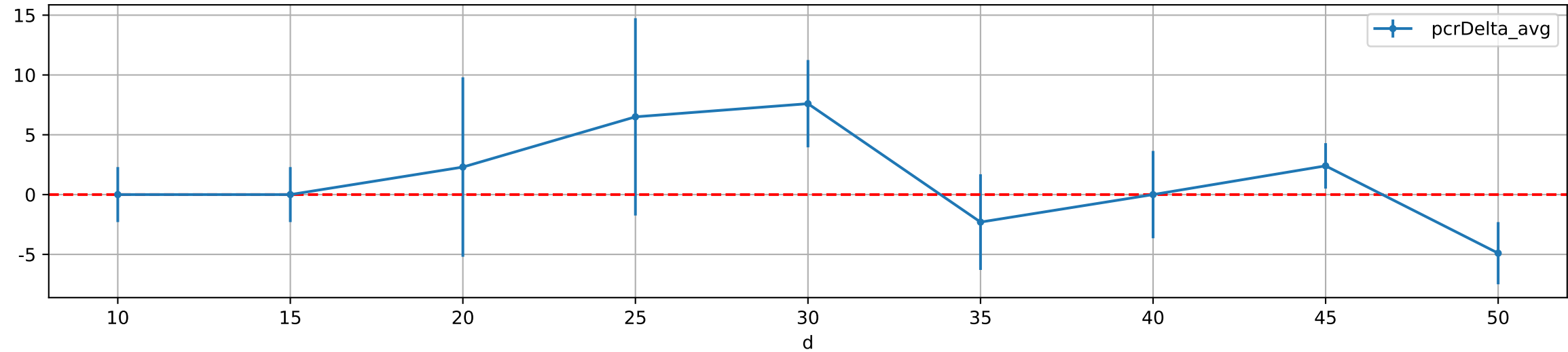
dStH: D_5d_StH



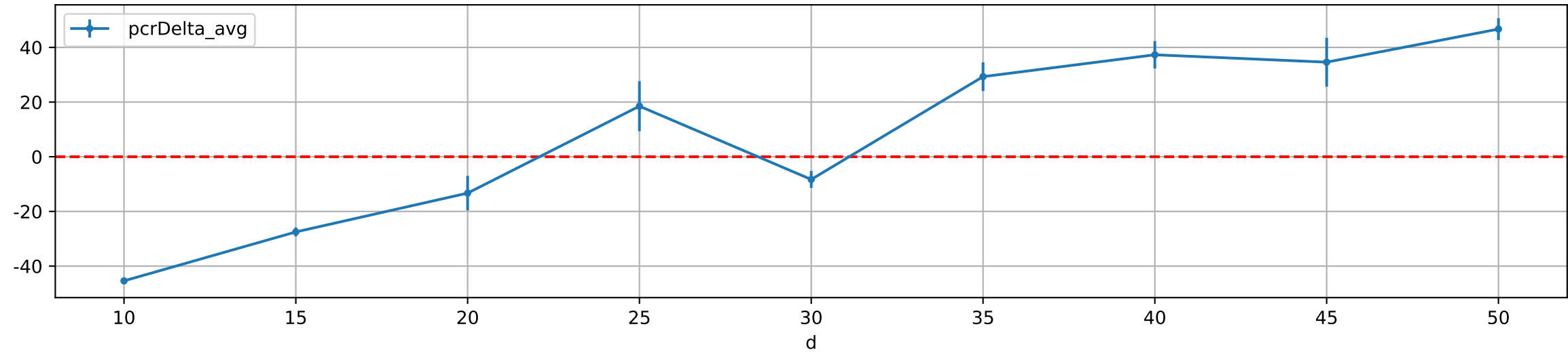
dStH: D_15d_StH



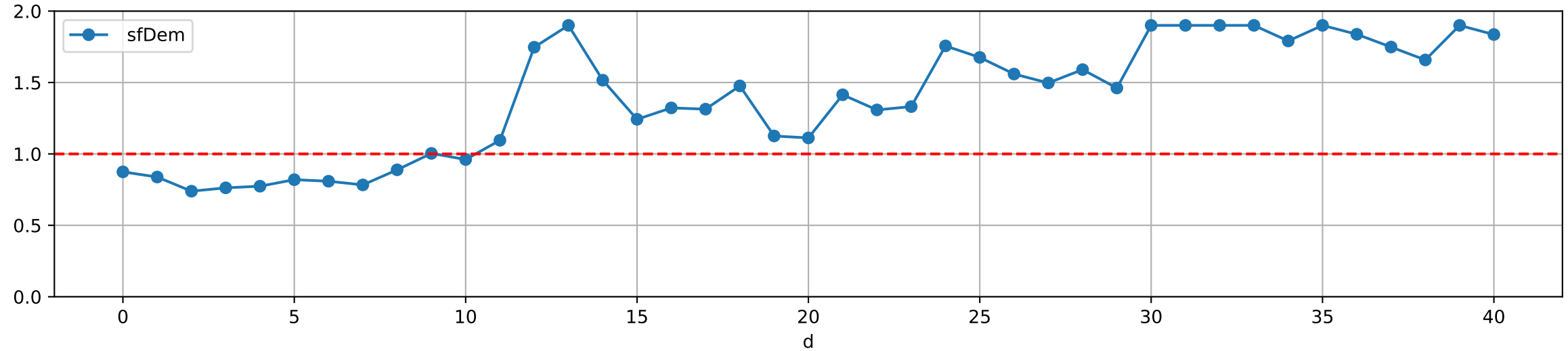
dStH: D_Q50_StH

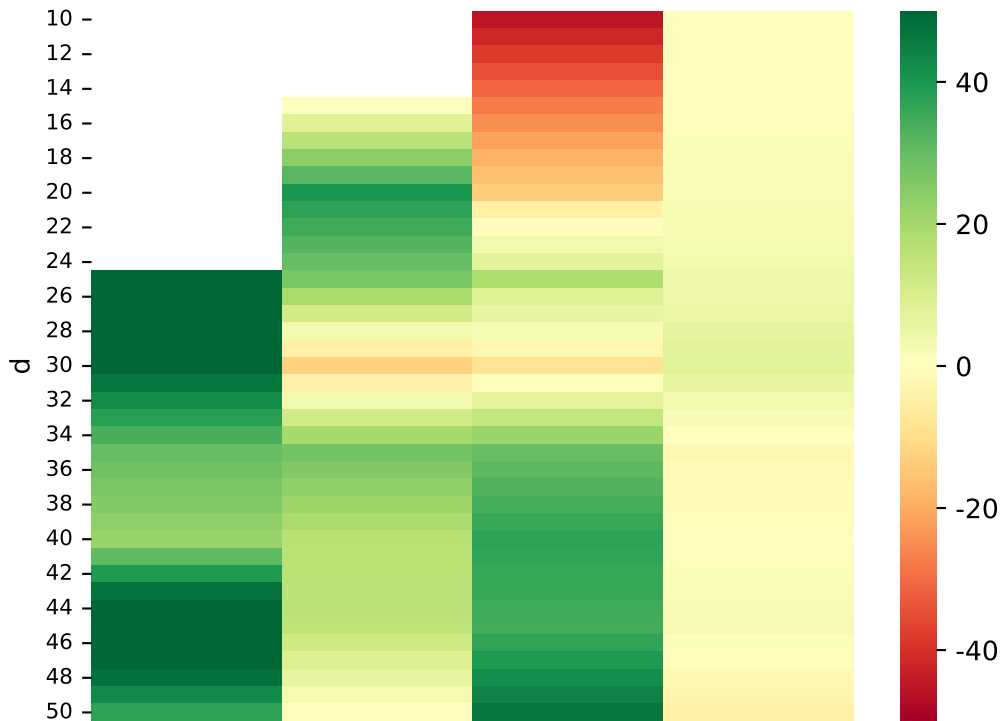


dStH: D_Est_StH



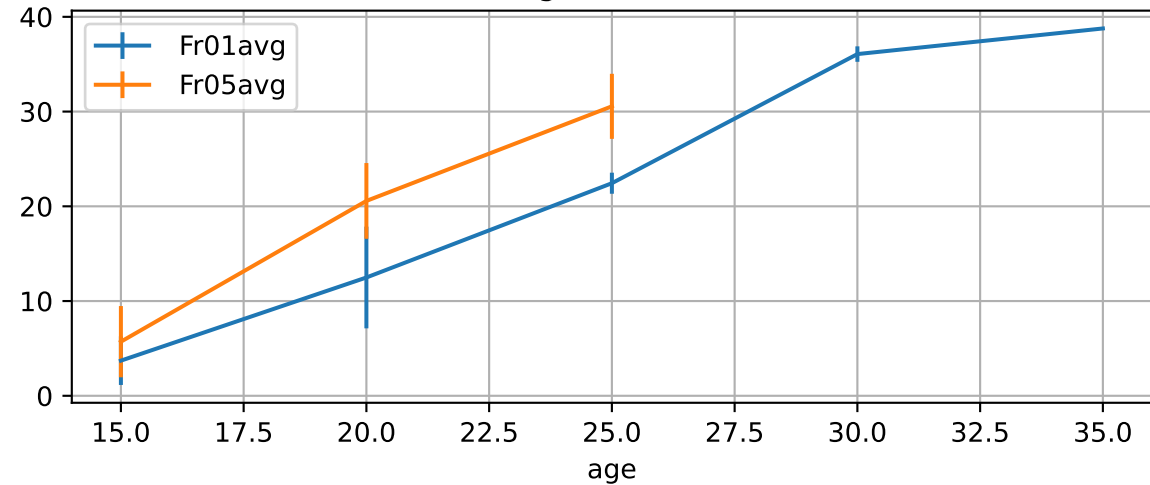
dStH: sfDem



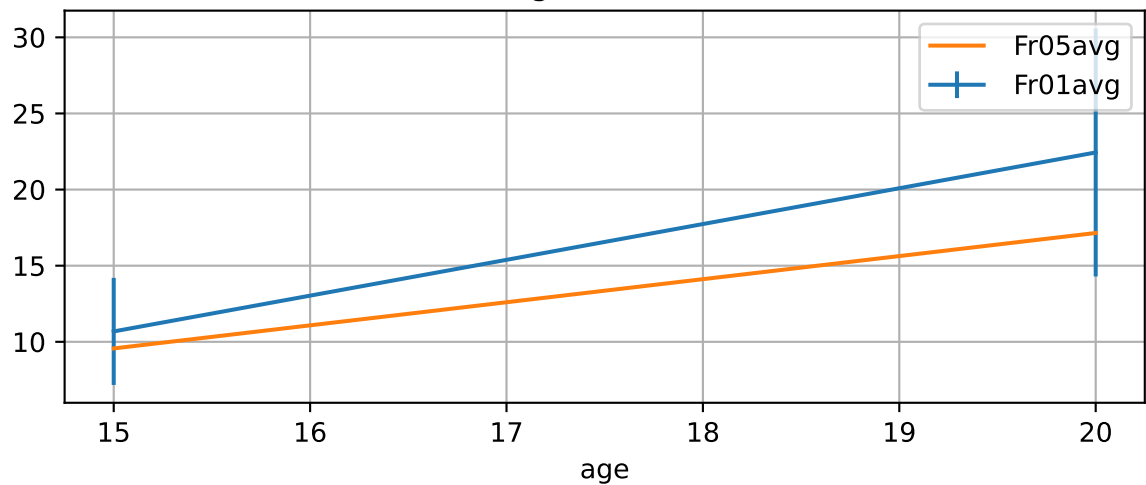


FrV: Fr01 vs Fr05 at each truss

organID=T01

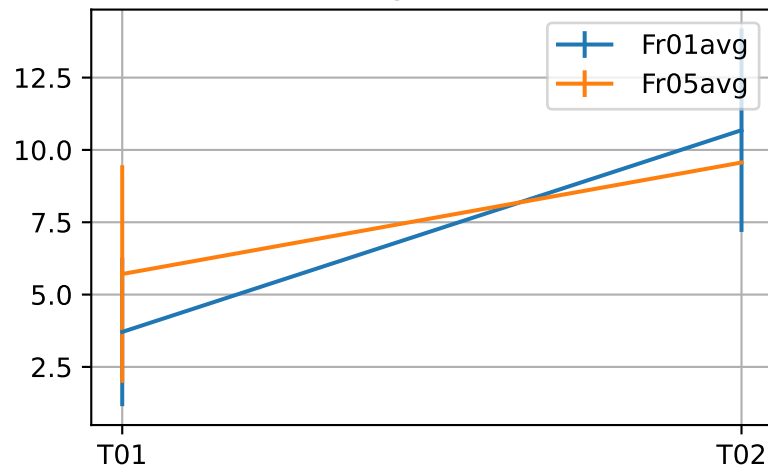


organID=T02

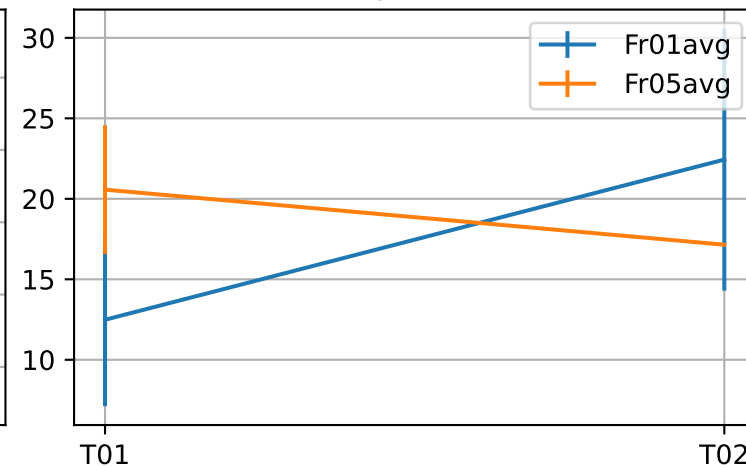


FrV trend at each age

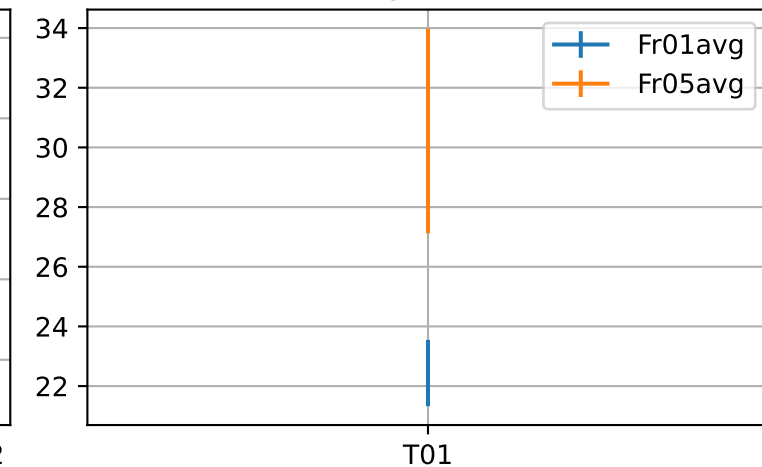
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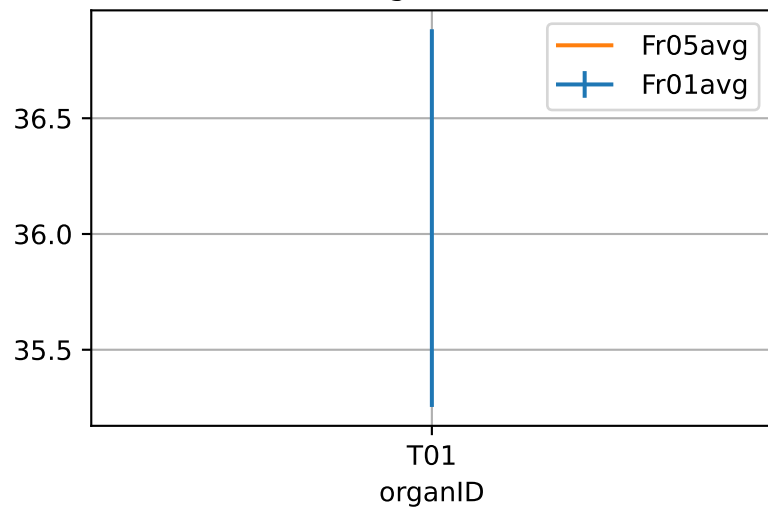
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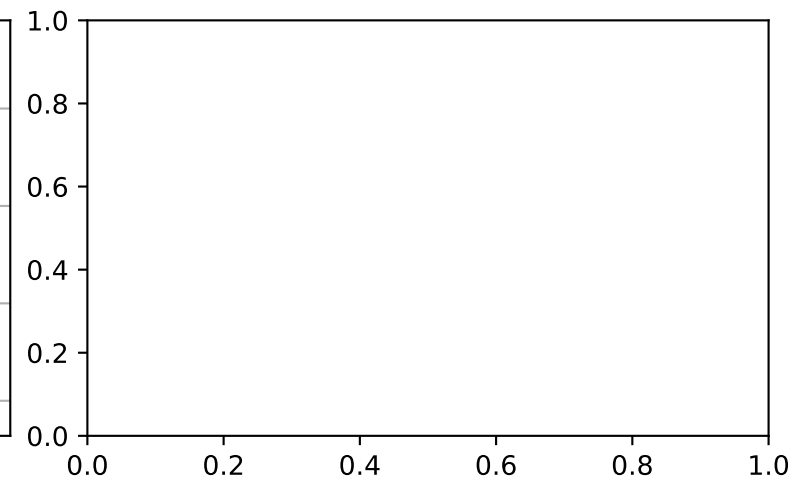
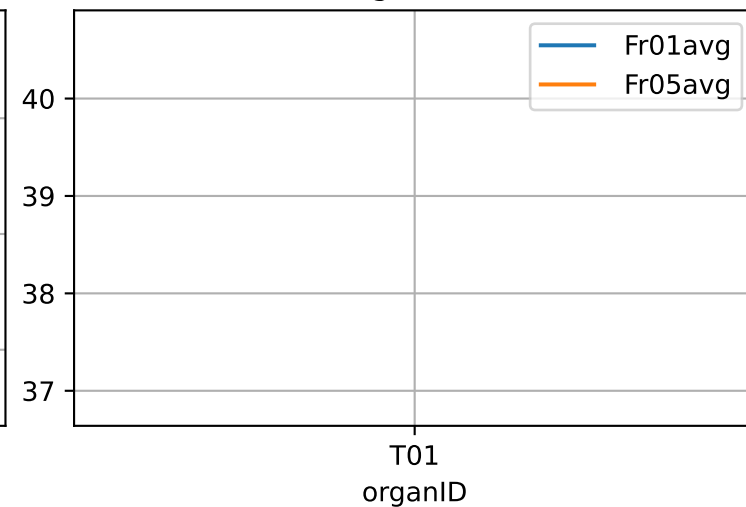
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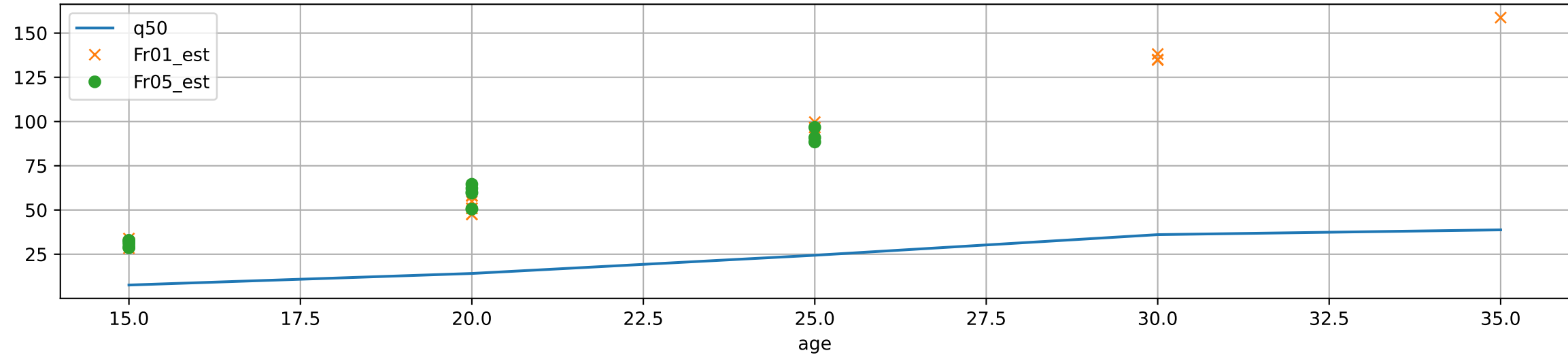
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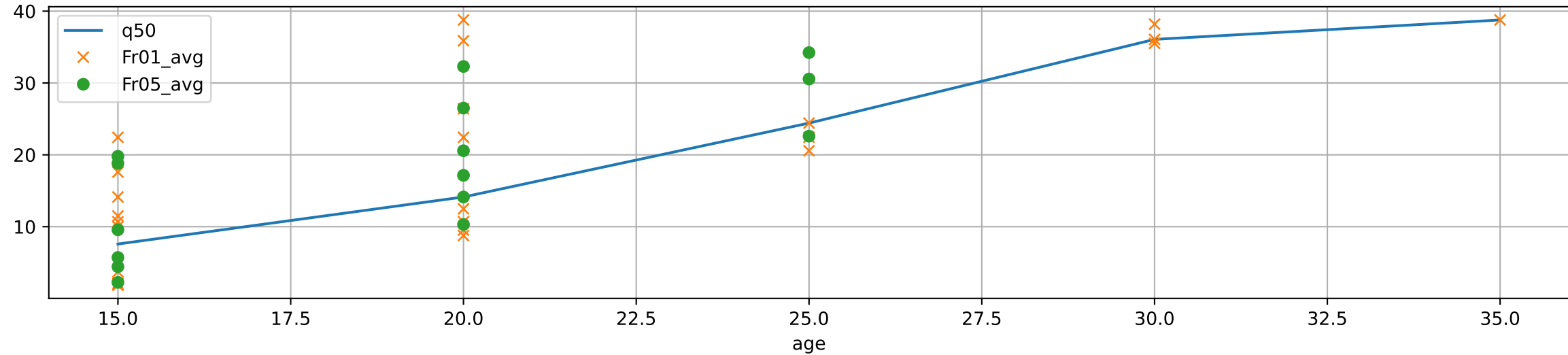
organID
age=35



FrV: model Est vs obsFrV at Q90

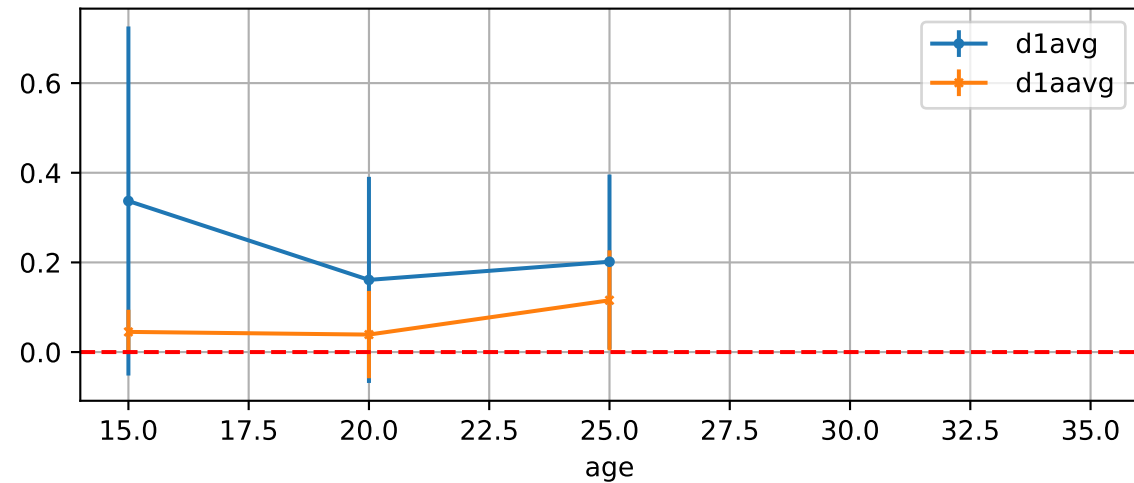


FrV: obsFrV vs obsFrV@Q90

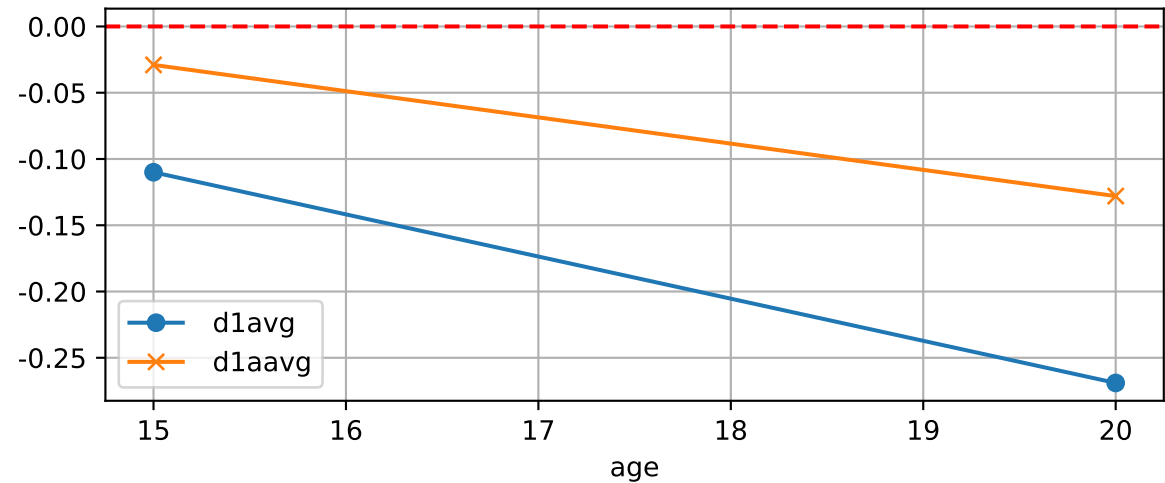


FrV: D_Fr1_FrV

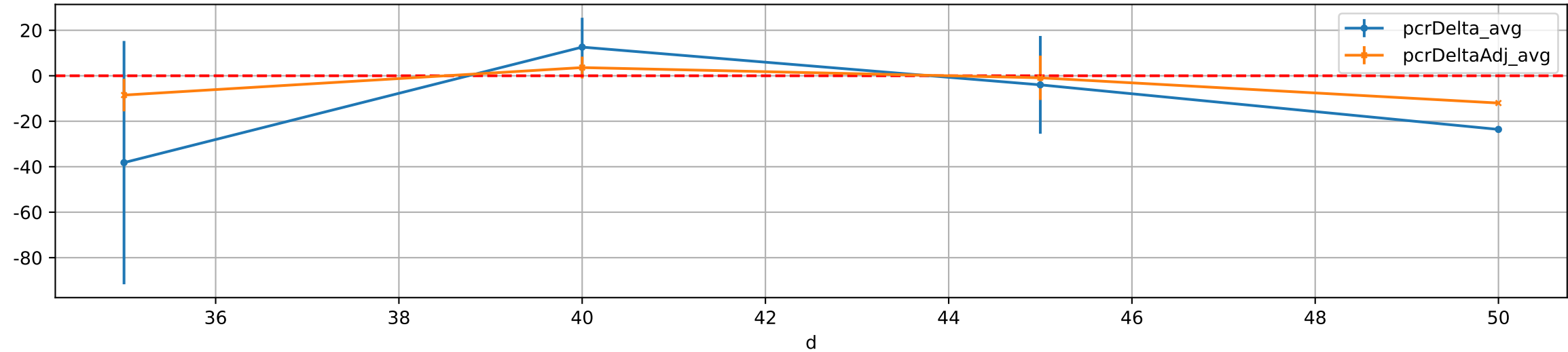
organID=1



organID=2

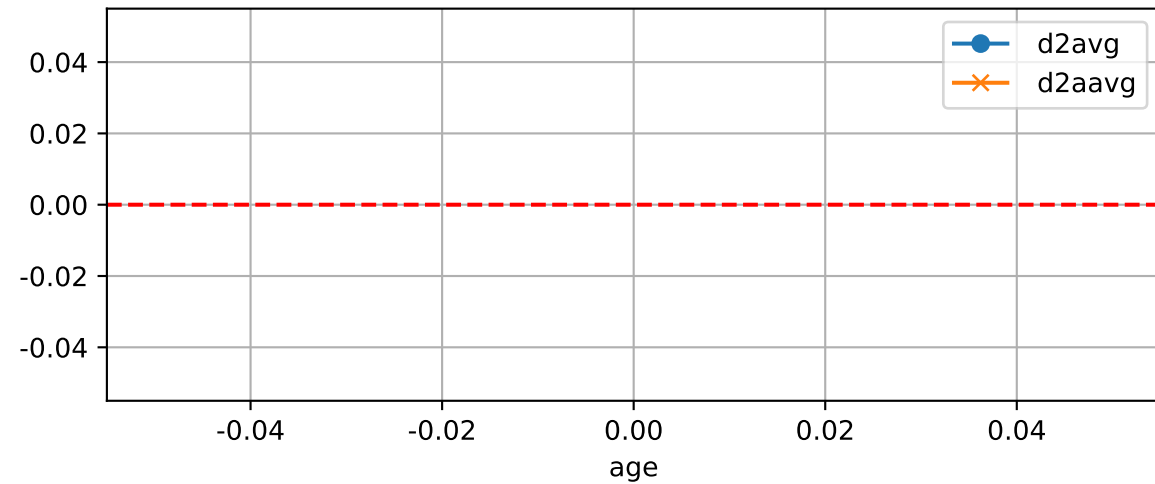


P10AE FrV: D_Fr1_FrV

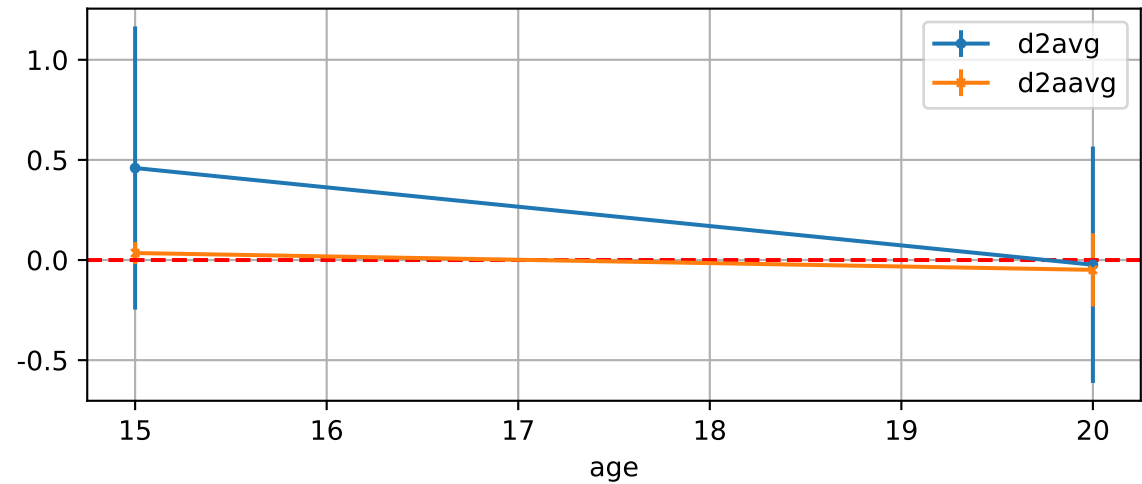


FrV: D_Ts_FrV

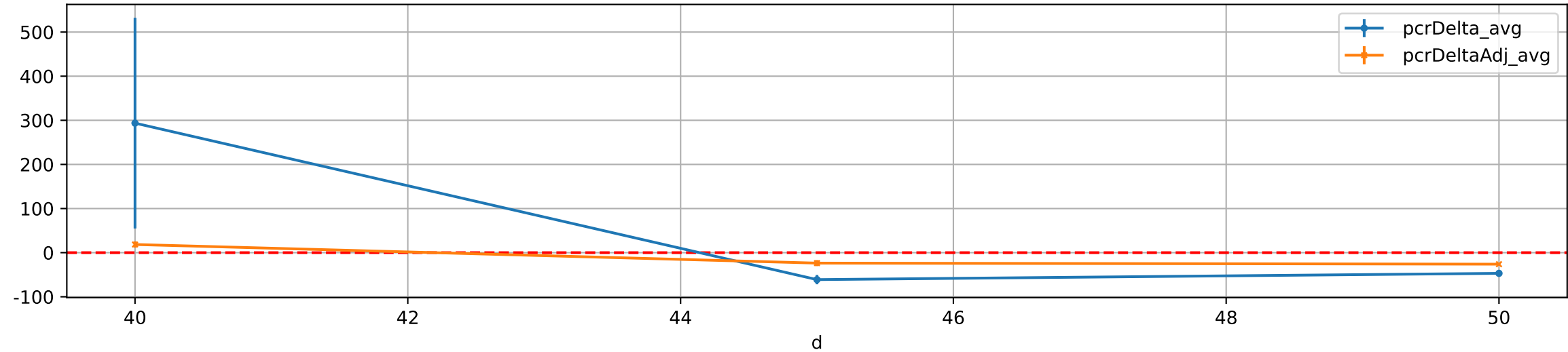
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organID=2

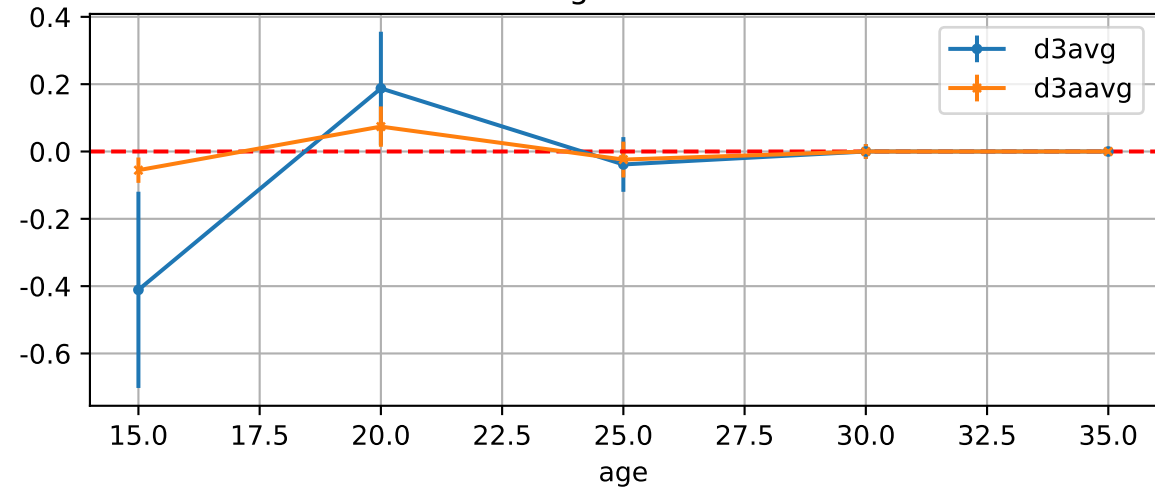


P10AE FrV: D_Ts_FrV

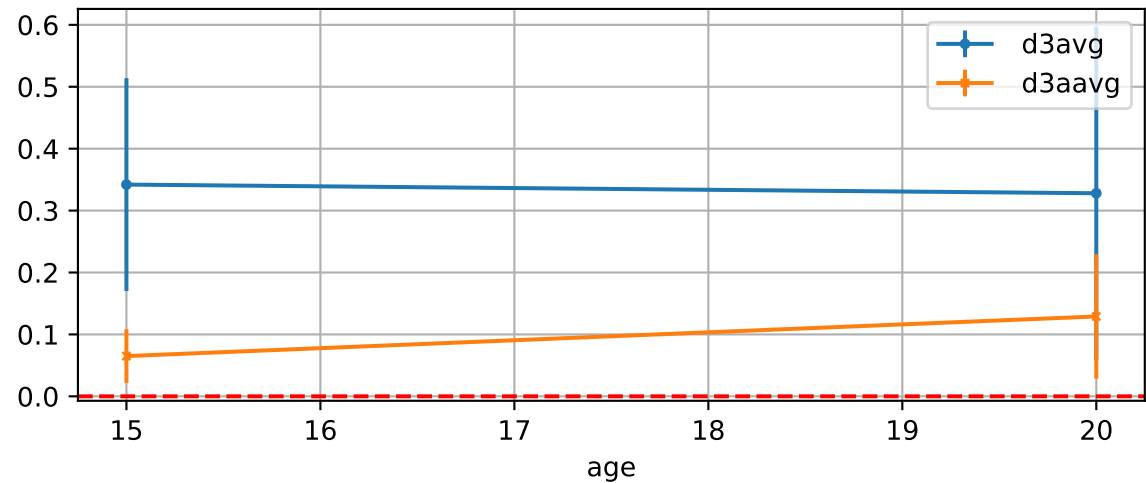


FrV: D_Q50_FrV

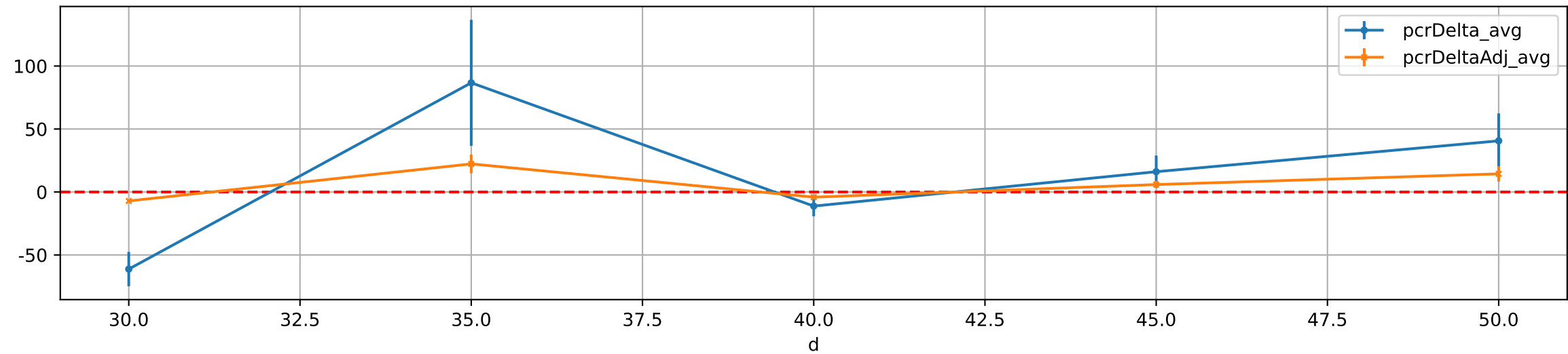
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organID=2

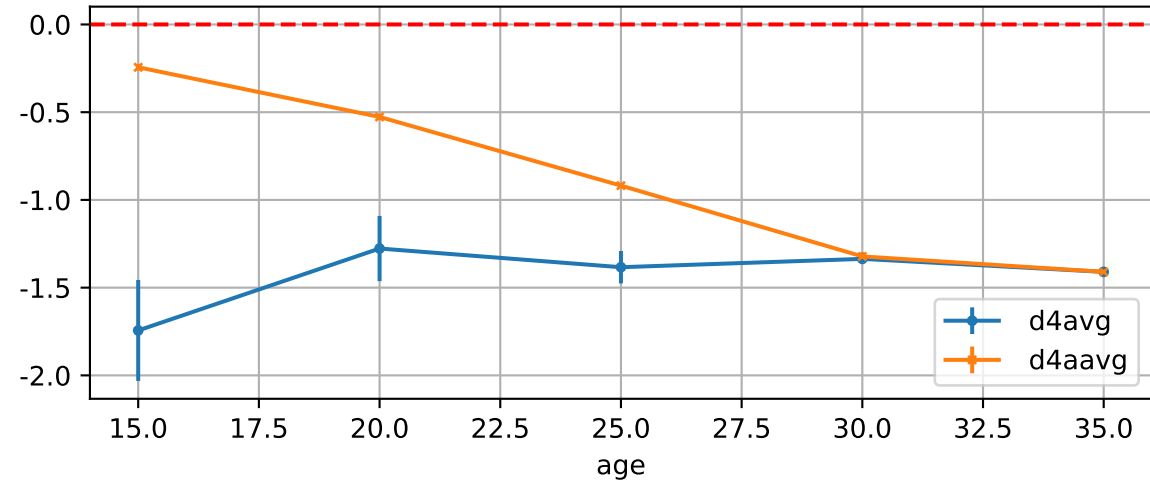


P10AE FrV: D_Q50_FrV

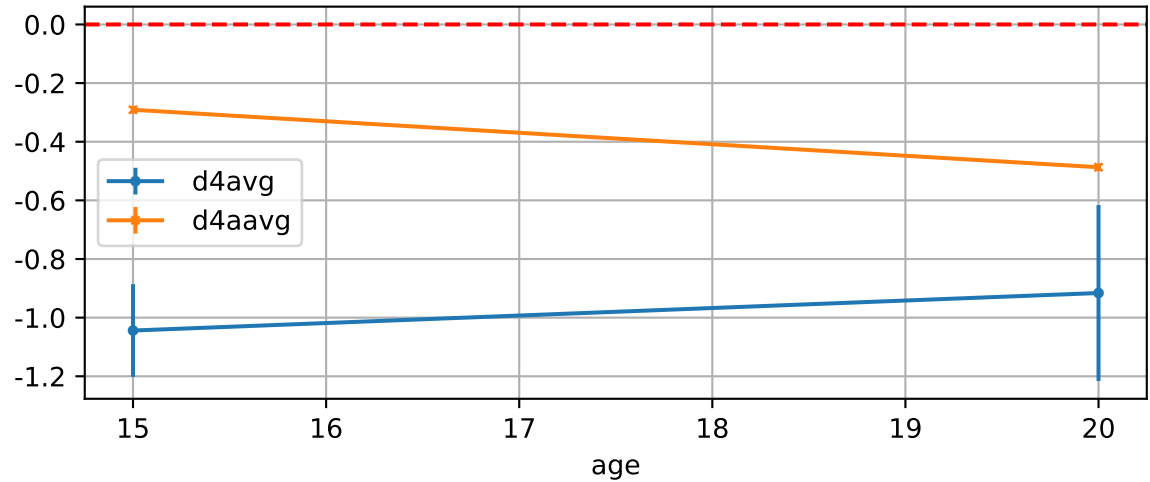


FrV: D_Est_FrV

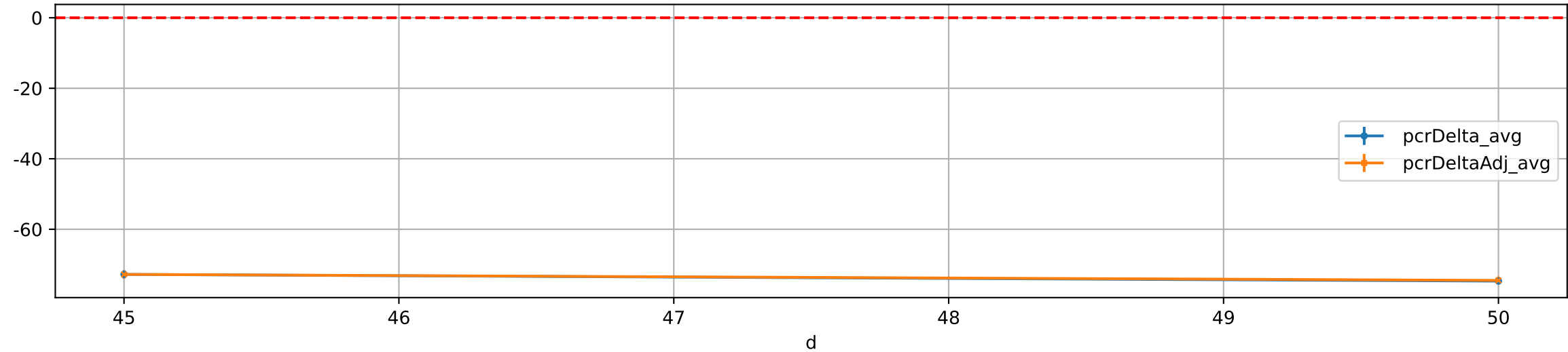
organID=1



organID=2



P10AE FrV: D_Est_FrV



P10AE FrV: sfDem

