

Phenotype Data Analysis Plots

PhenoData day range = 5 - 42

Analysis cutoff day = 42

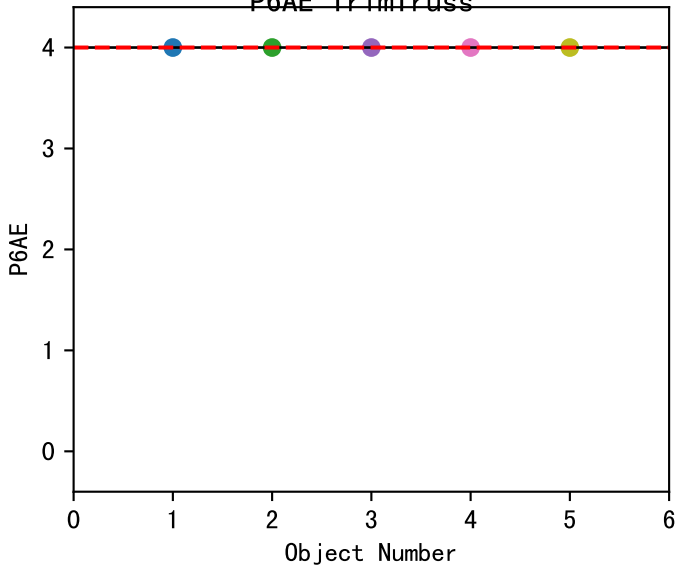
NC11 P6

2025-05-18 (Day 43)

TrussNodeMaxPerStem (Def=4.0 Set=4)

avg1=4.0~0% avg2=na

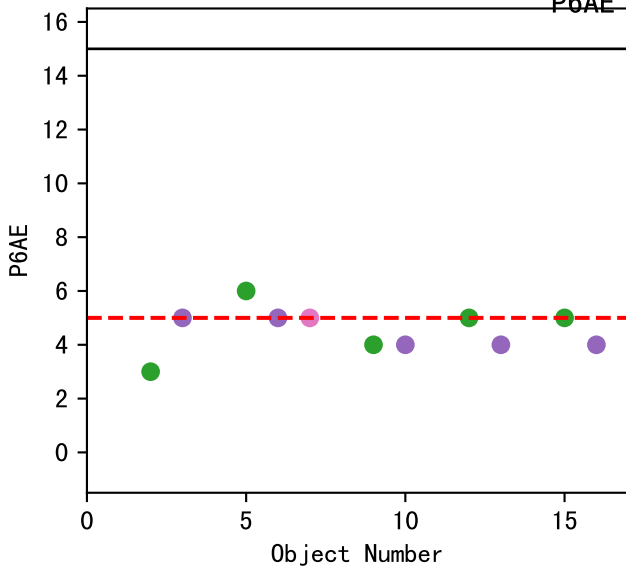
P6AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

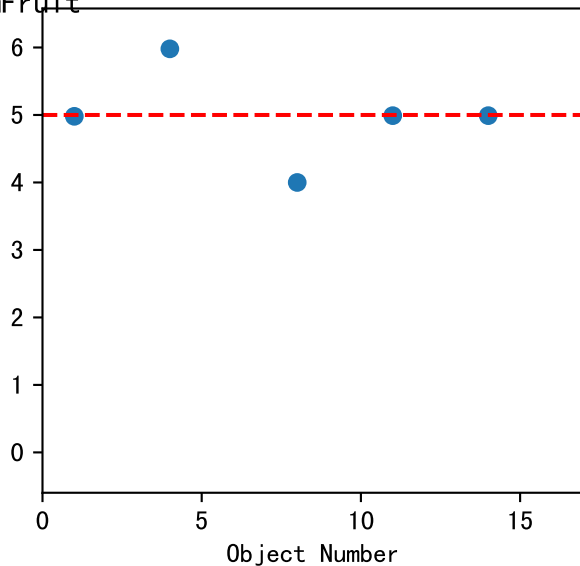
avg1=5.0~16% avg2=na

P6AE TrimFruit

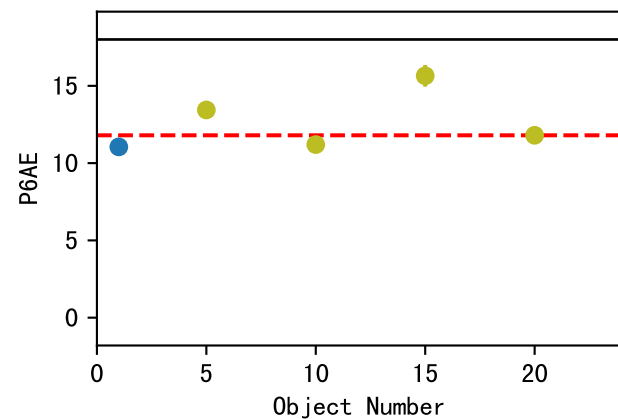


FruitNumMaxPerTruss (Def=na Set=5)

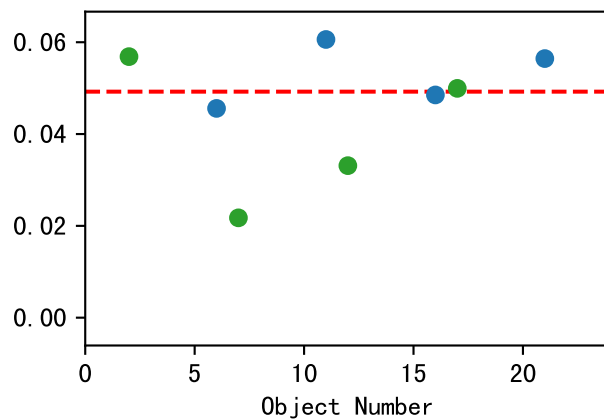
avg1=5.0~0% avg2=na



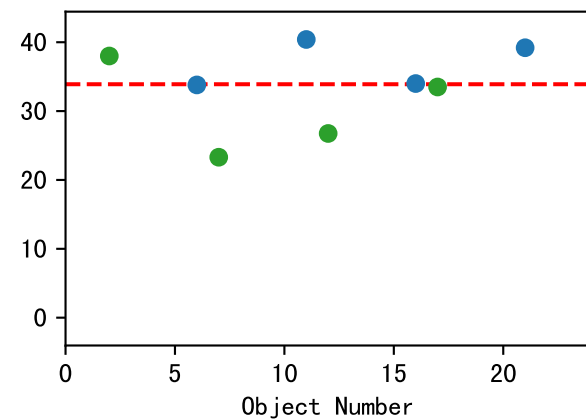
NdD_Q90AbsY (Def=18 Set=11.8)
avg1=11.8~16% avg2=na



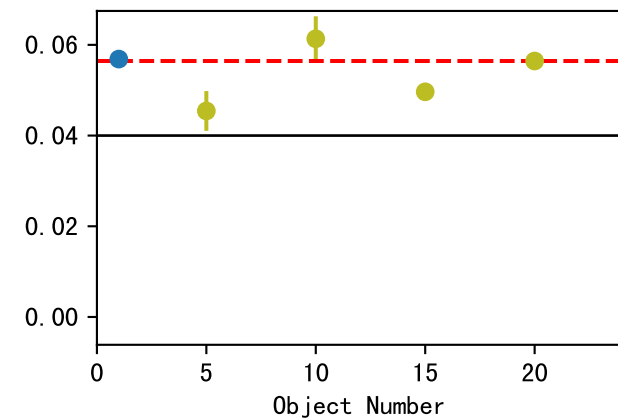
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~27% avg2=na



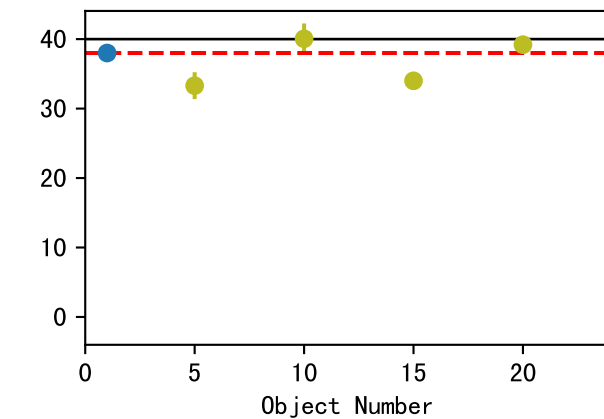
LfL_avgAbsY (Def=na Set=33.9)
avg1=33.9~18% avg2=na



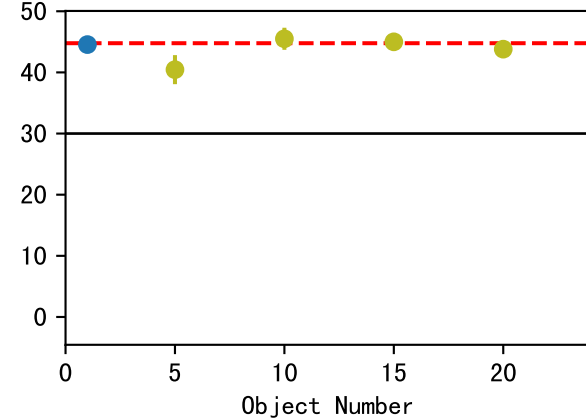
LfA_Q90AbsY (Def=0.04 Set=0.06)
avg1=0.06~11% avg2=na



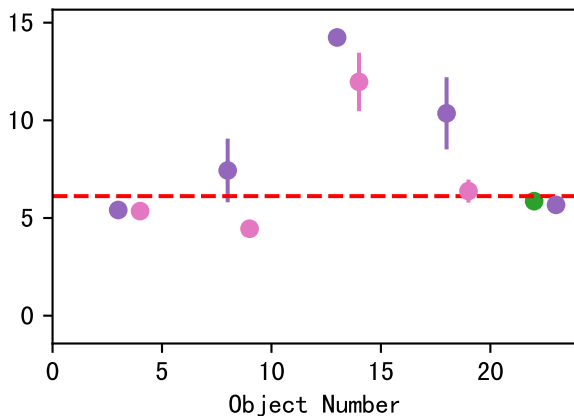
LfL_Q90AbsY (Def=40 Set=38.0)
avg1=38.0~8% avg2=na



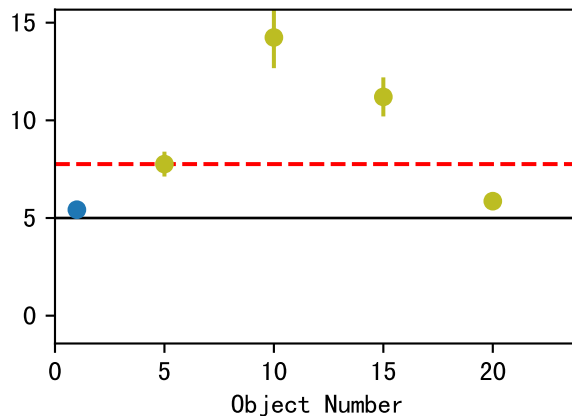
LfW_Q90AbsY (Def=30 Set=44.77)
avg1=44.77~2% avg2=na



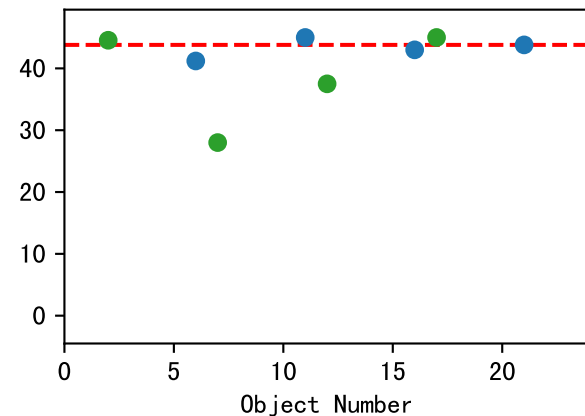
NdL_avgAbsY (Def=na Set=6.12)
avg1=6.12~54% avg2=na



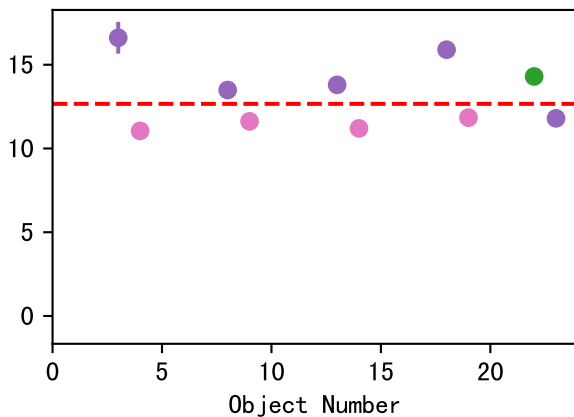
NdL_Q90AbsY (Def=5 Set=7.76)
avg1=7.76~48% avg2=na



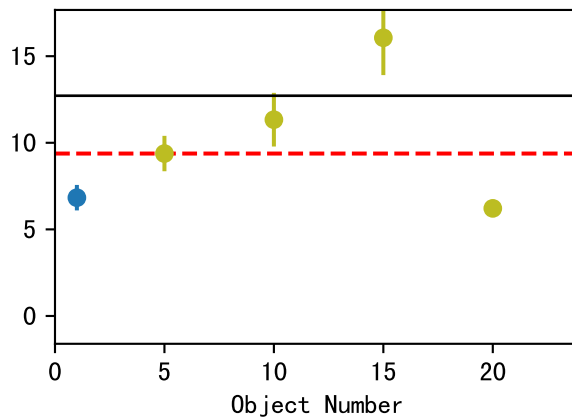
LfW_avgAbsY (Def=na Set=43.8)
avg1=43.8~6% avg2=na



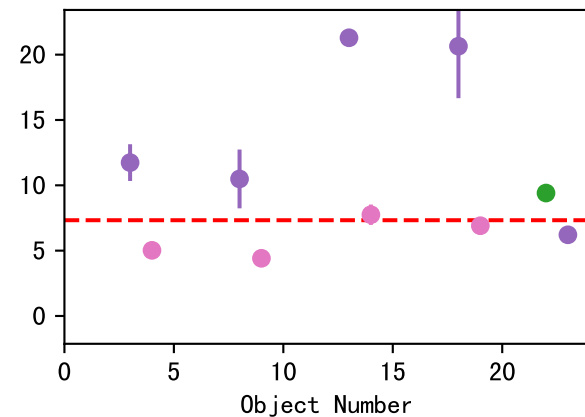
NdD_avgAbsY (Def=na Set=12.66)
avg1=12.66~16% avg2=na



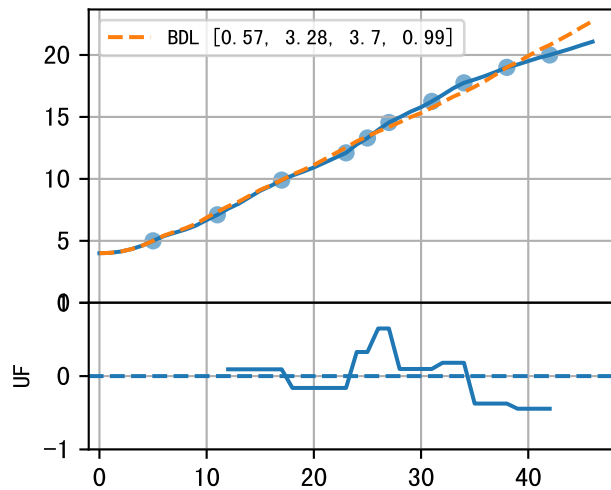
NdV_Q90AbsY (Def=12.72 Set=9.38)
avg1=9.38~42% avg2=na



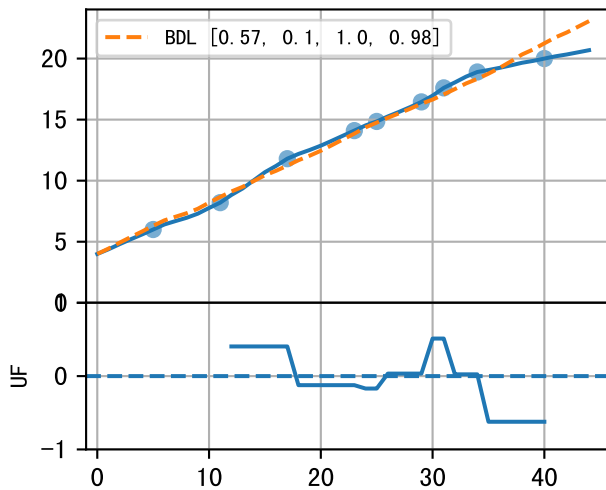
NdV_avgAbsY (Def=na Set=7.33)
avg1=7.33~36% avg2=na



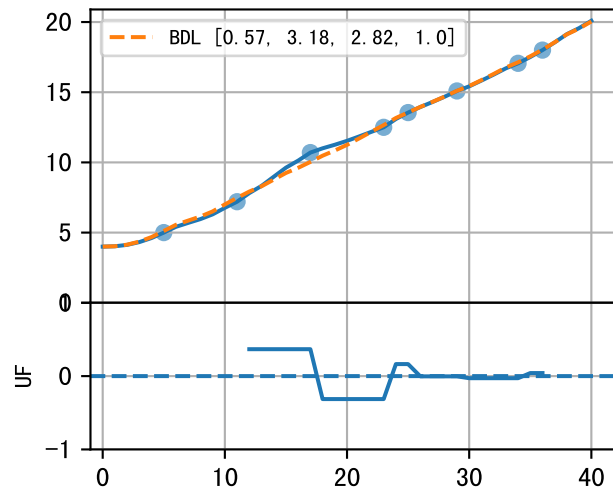
P6AE-007-10 (fit failed)



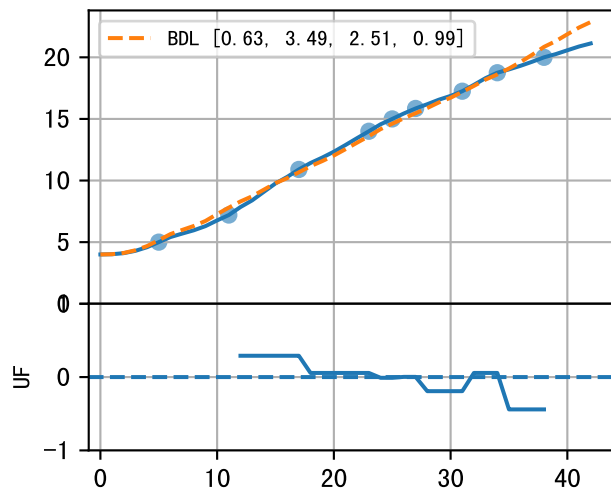
P6AE-014-10 (fit failed)



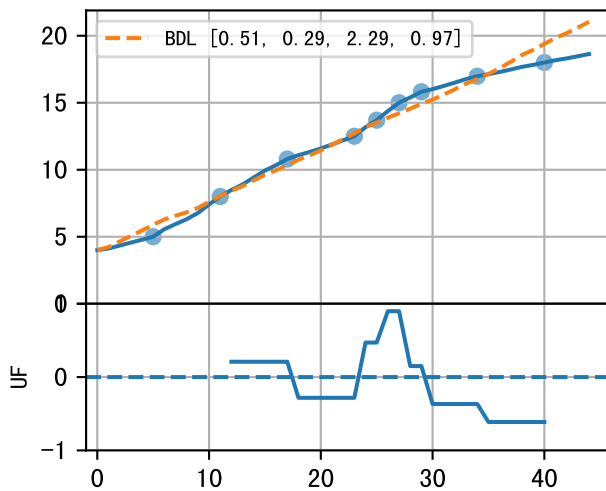
P6AE-026-25 (fit failed)



P6AE-033-4 (fit failed)



P6AE-045-12 (fit failed)

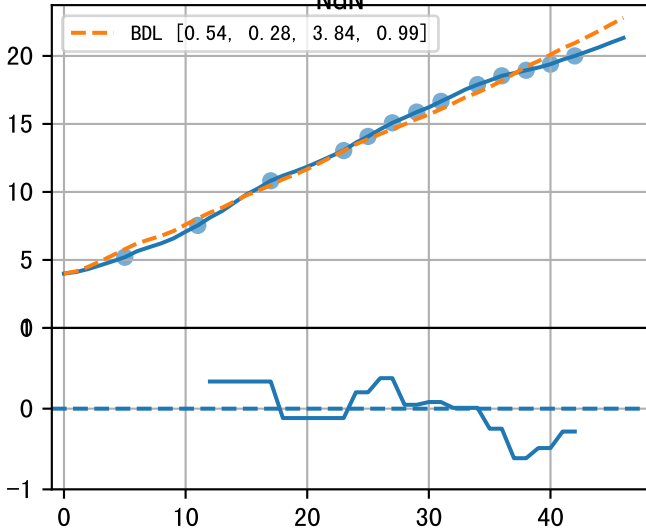


P6AEavg (fit failed)

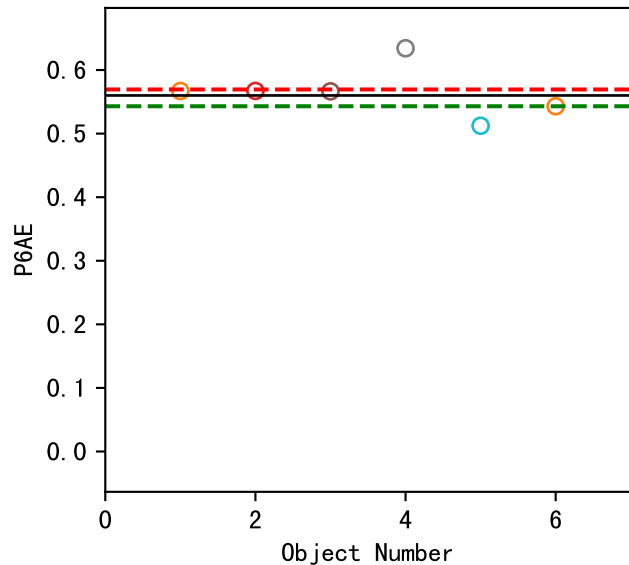
NdN

BDL [0.54, 0.28, 3.84, 0.99]

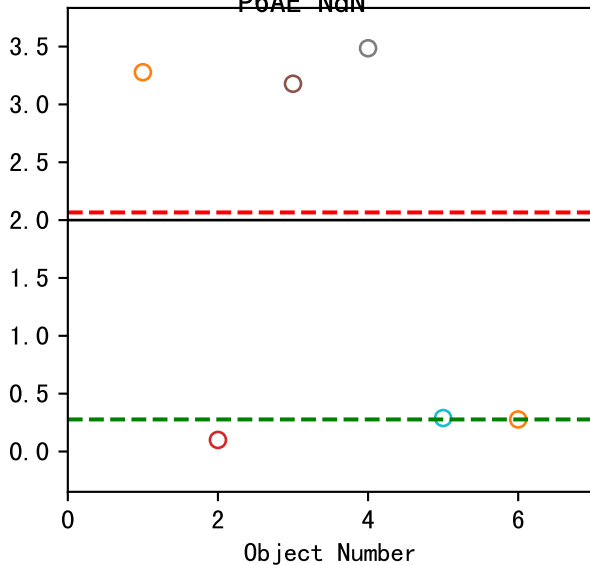
UF



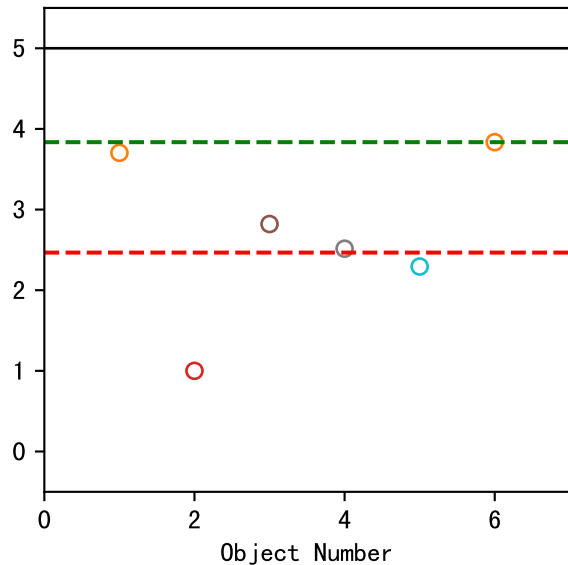
a (Def=0.56 Set=0.54)
avg1=0.57(fail) avg2=0.54



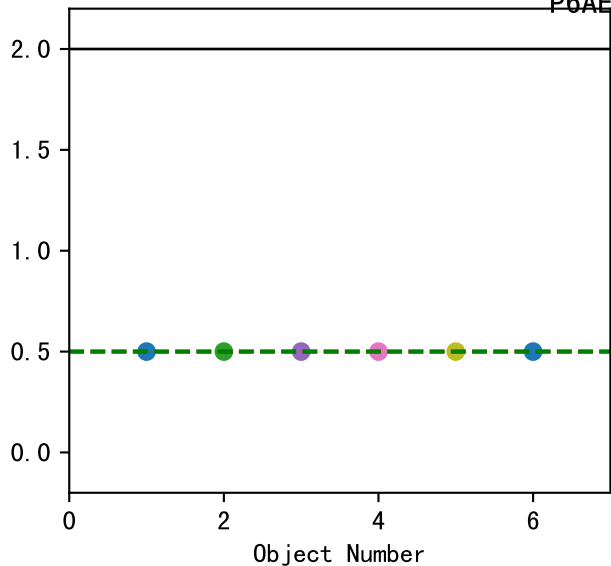
dm (Def=2 Set=0.28)
avg1=2.07(fail) avg2=0.28



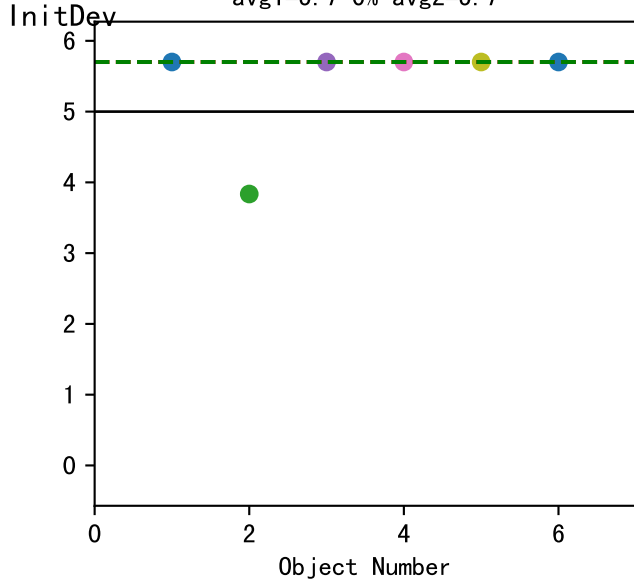
de (Def=5 Set=3.84)
avg1=2.47(fail) avg2=3.84



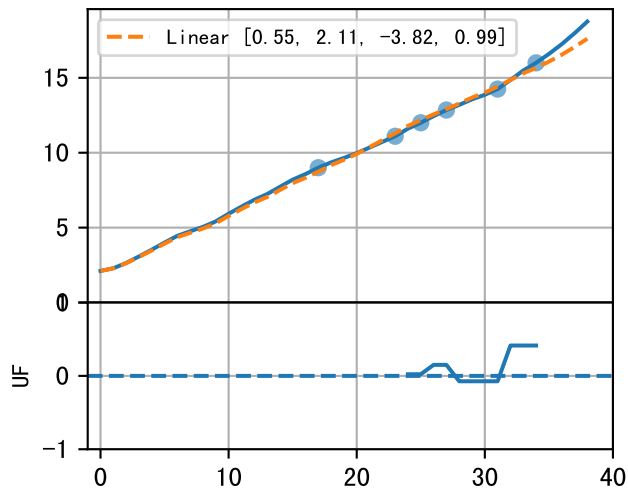
InitDev_dm (Def=2 Set=0.5)
avg1=0.5~0% avg2=0.5



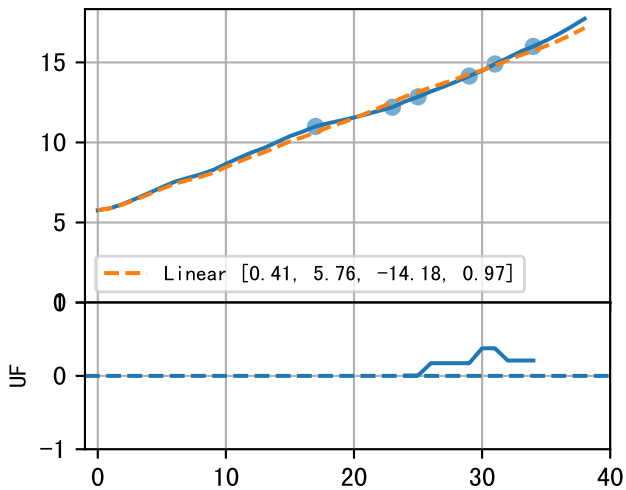
InitDev_de (Def=5 Set=5.7)
avg1=5.7~0% avg2=5.7



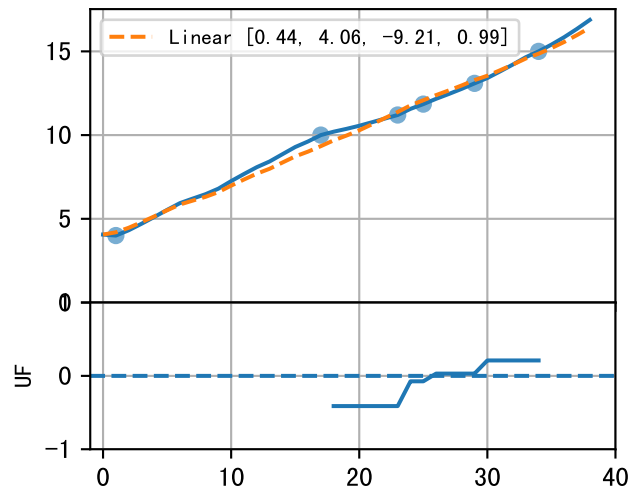
P6AE-007-10



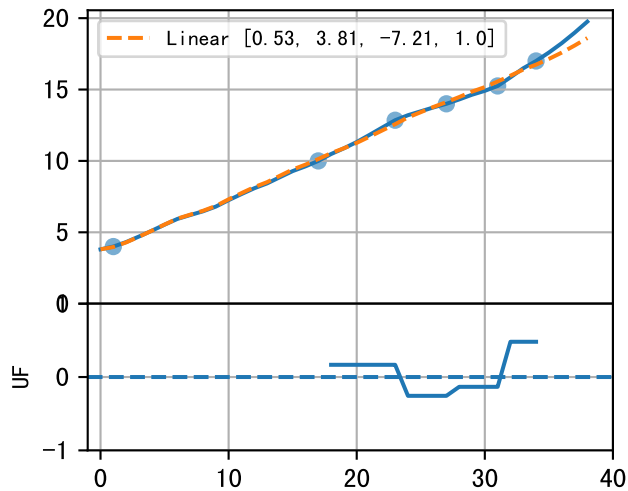
P6AE-014-17



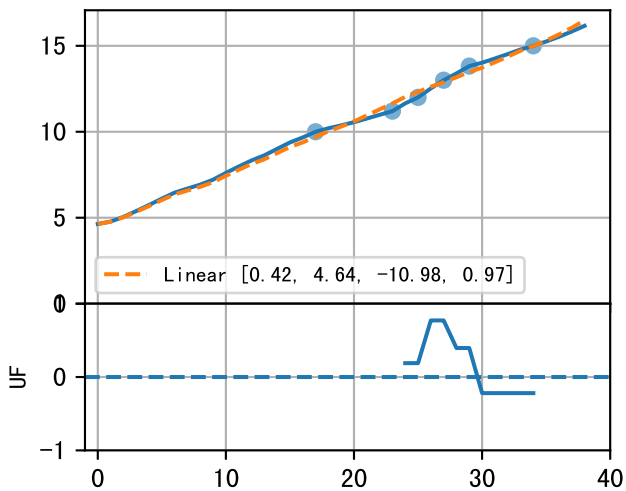
P6AE-026-25



P6AE-033-4



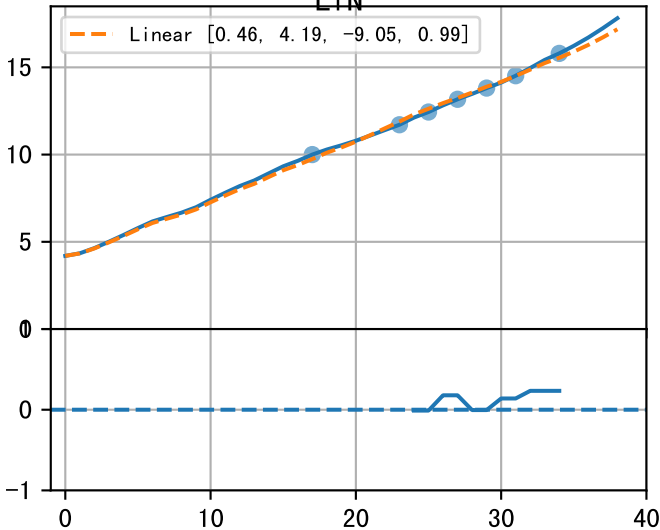
P6AE-045-12

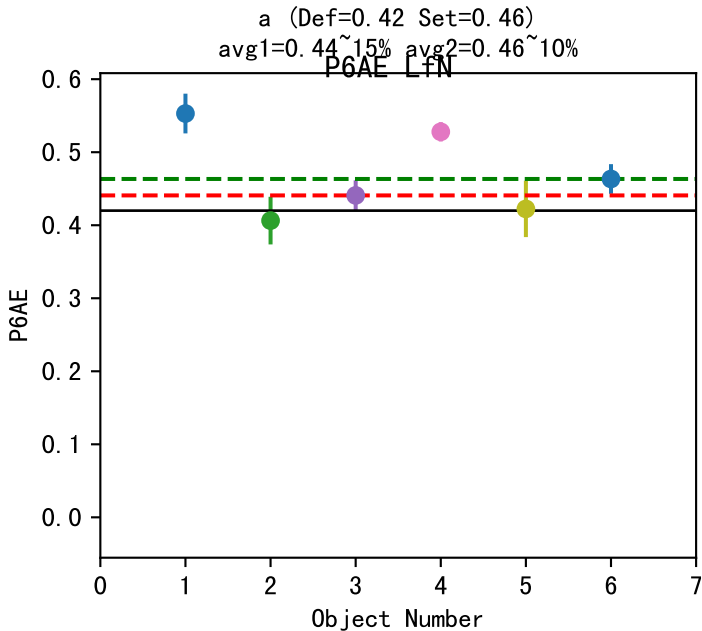


P6AEavg
Lfn

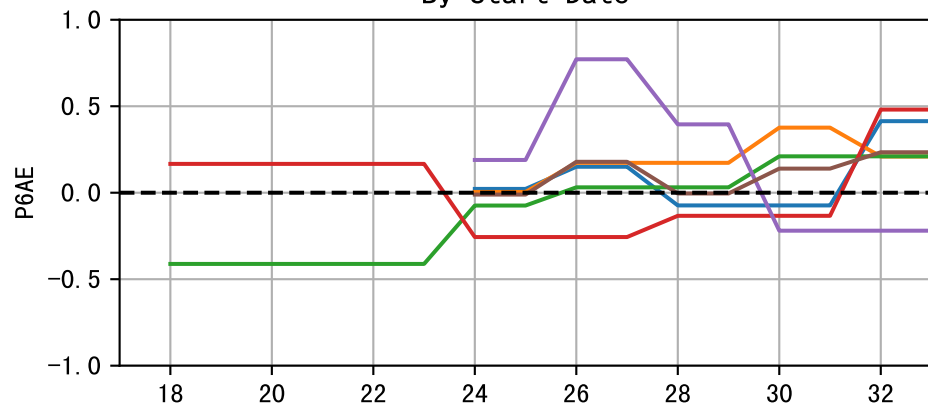
Linear [0.46, 4.19, -9.05, 0.99]

UF

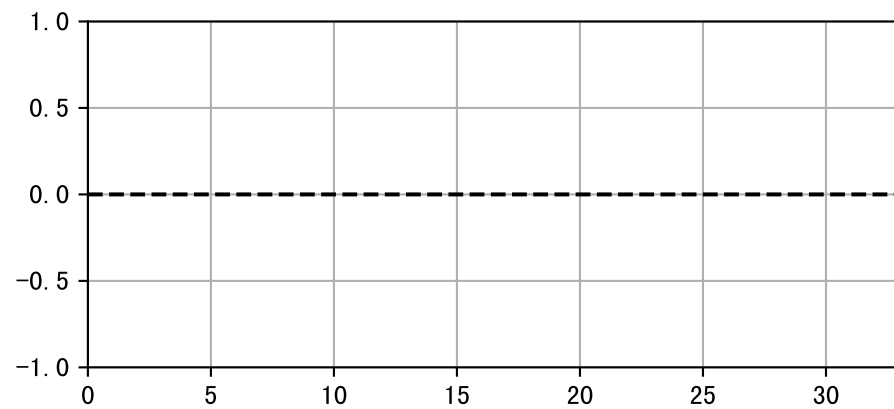
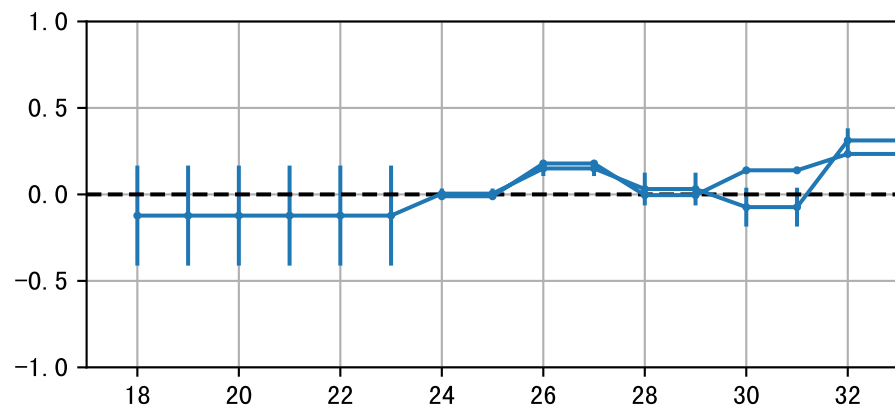
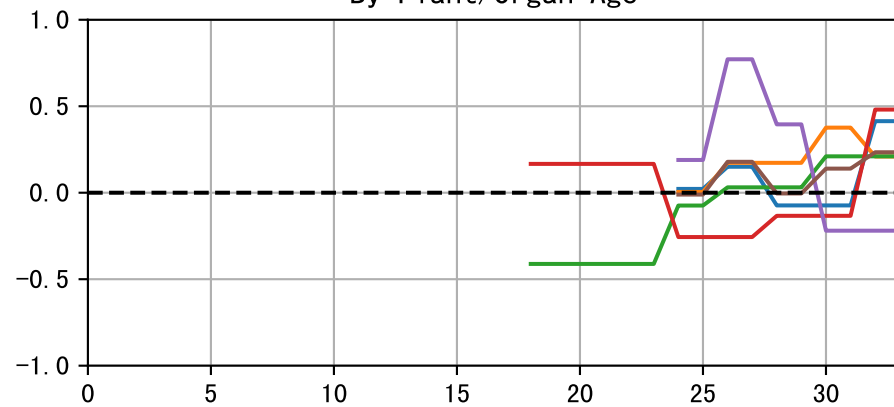




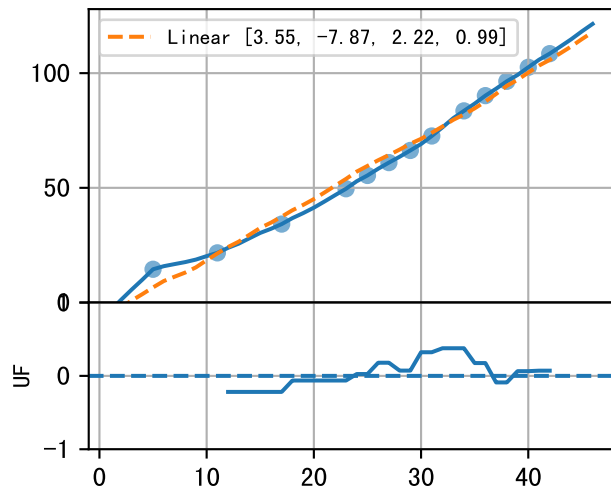
By Start Date



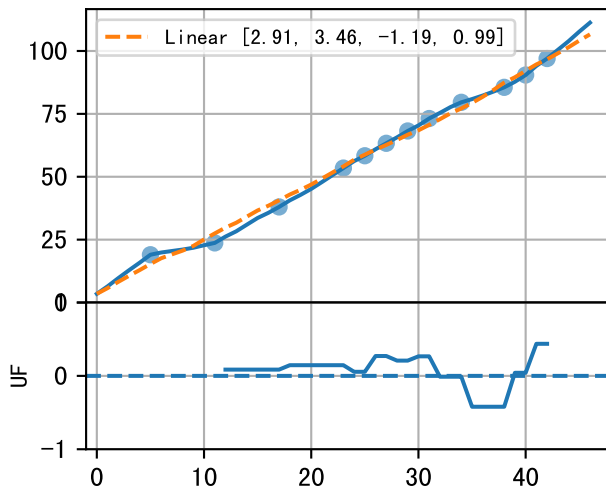
By Plant/Organ Age



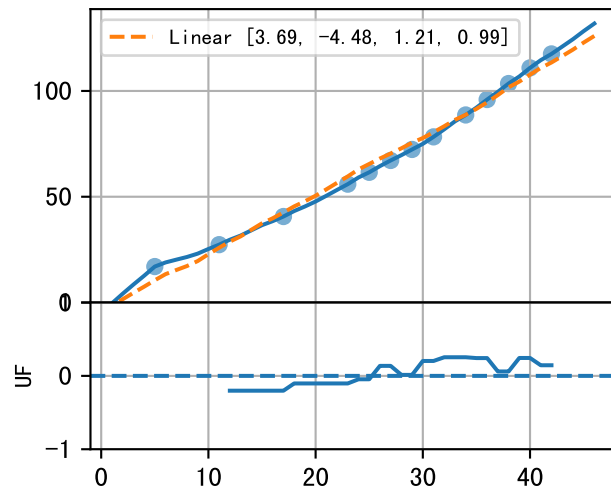
P6AE-007-10



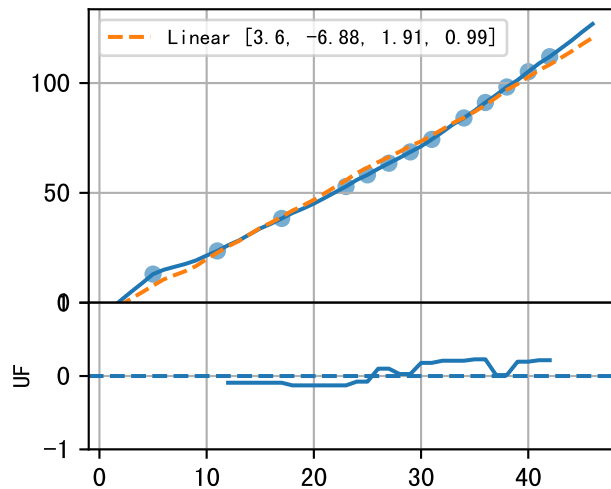
P6AE-014-17



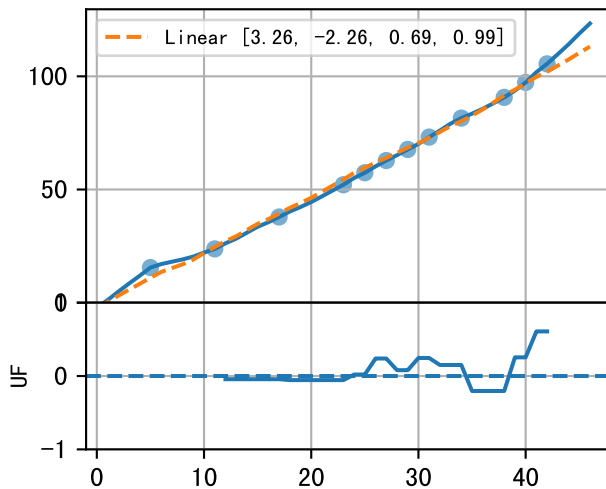
P6AE-026-25



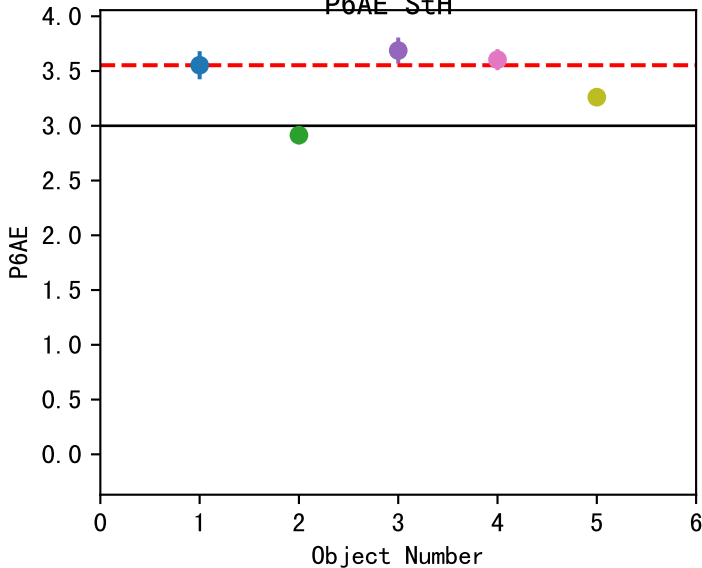
P6AE-033-4



P6AE-045-12

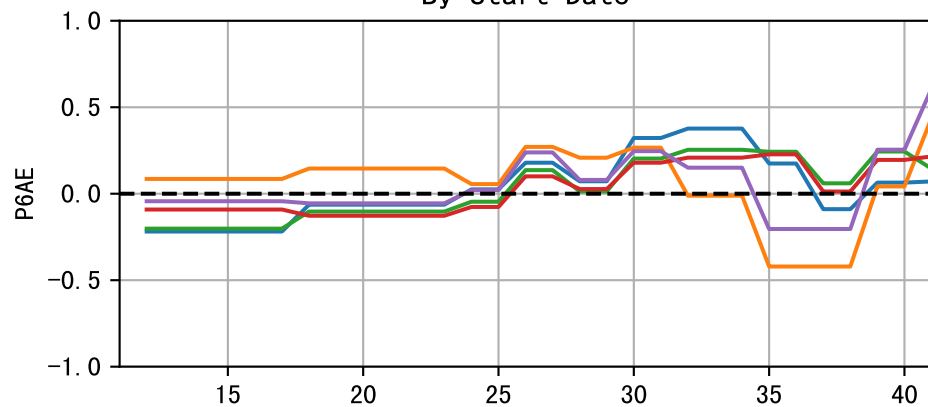


a (Def=3 Set=3.55)
avg1=3.55~9% avg2=na
P6AE StH

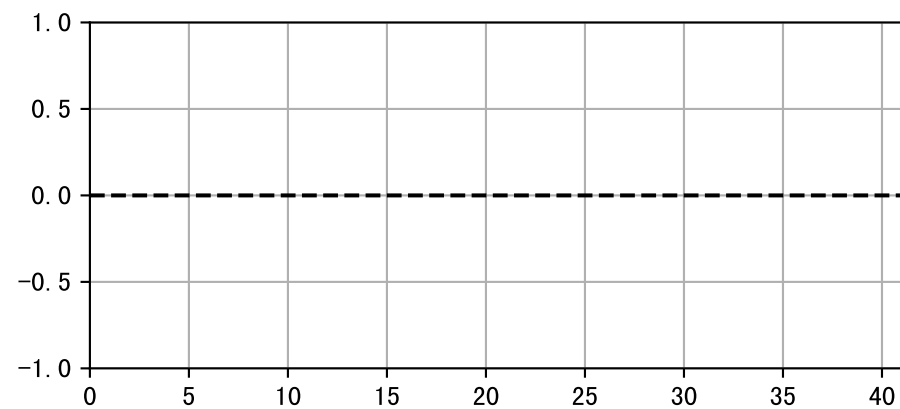
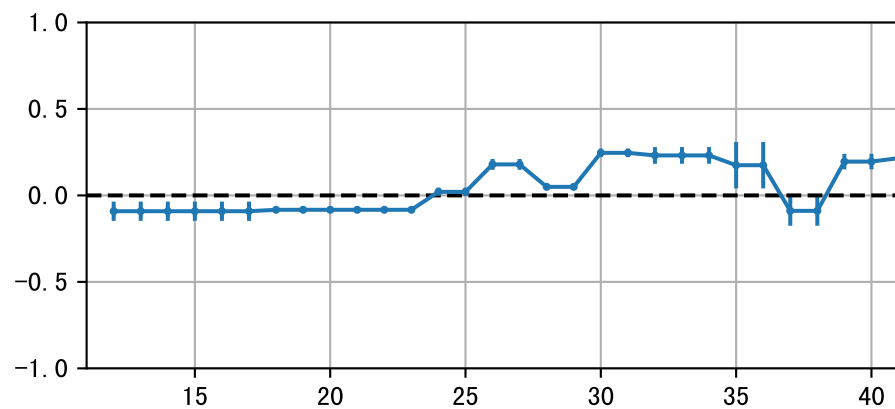
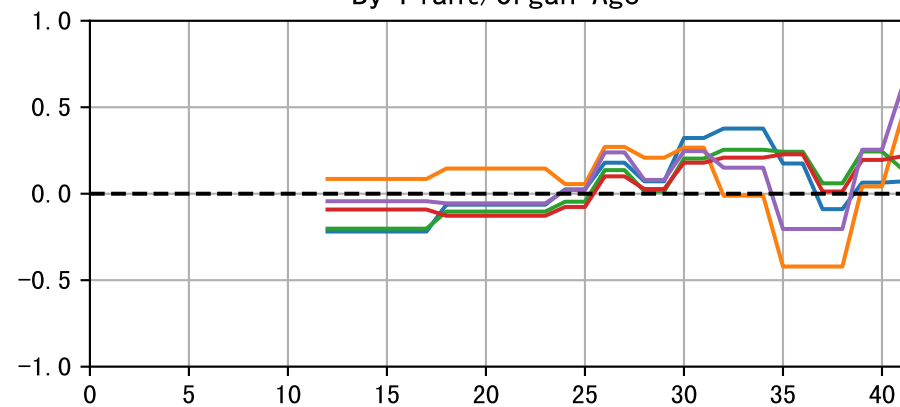


StH

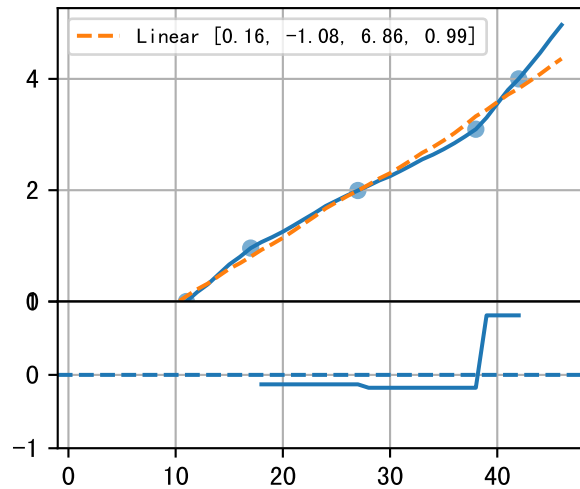
By Start Date



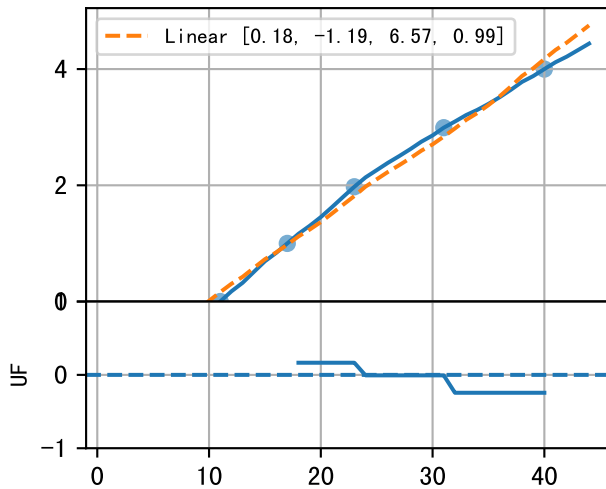
By Plant/Organ Age



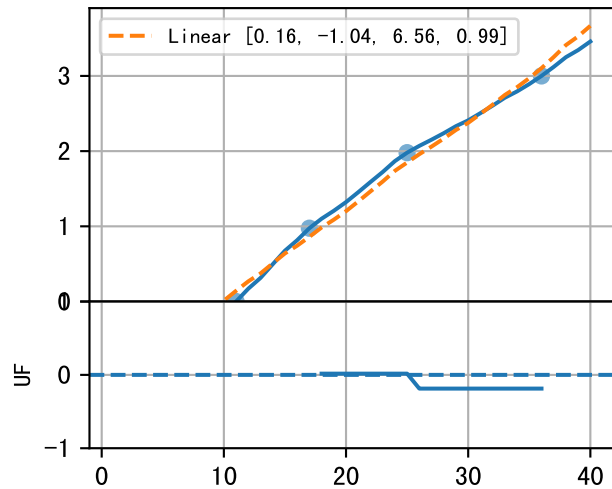
P6AE-007-10



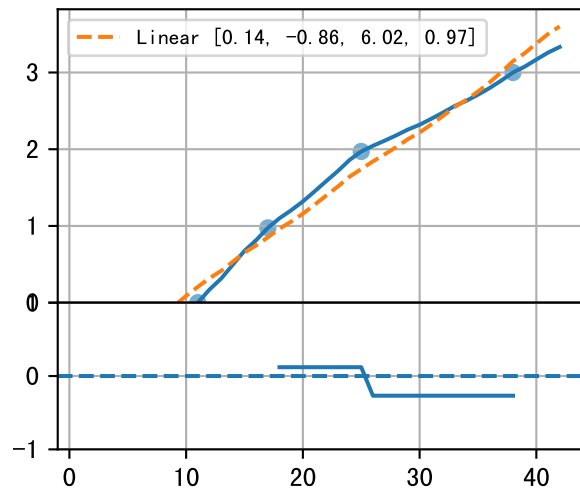
P6AE-014-17



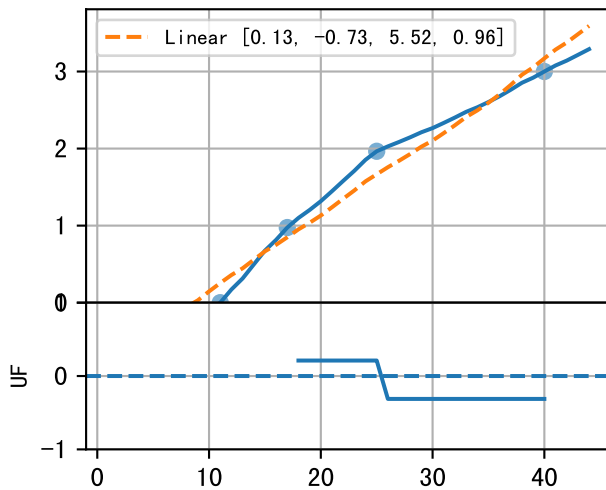
P6AE-026-25



P6AE-033-4



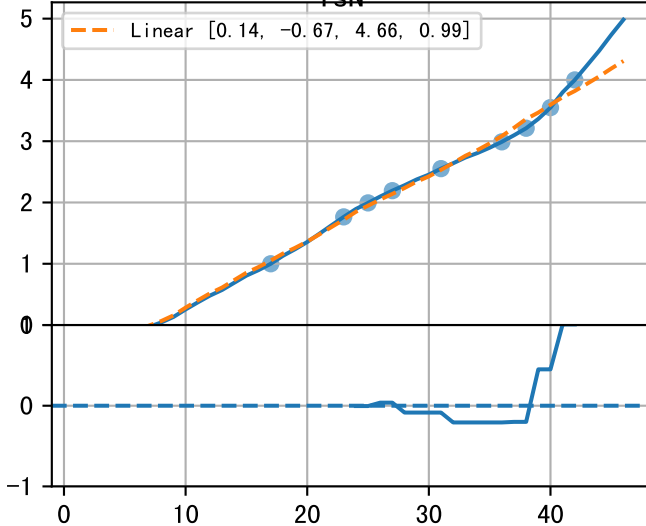
P6AE-045-12



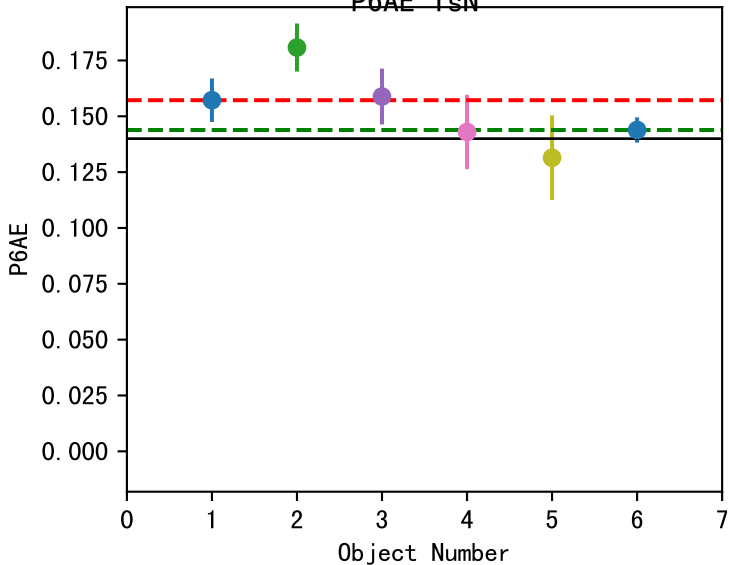
P6AEavg
T_{SN}

Linear [0.14, -0.67, 4.66, 0.99]

UF

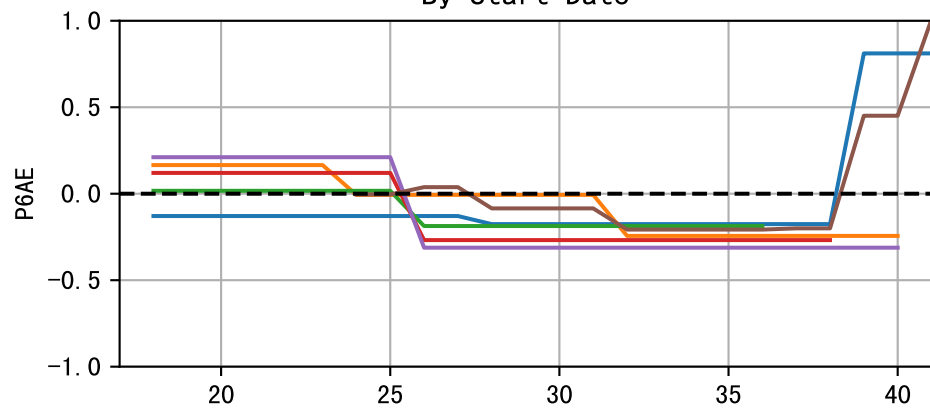


a (Def=0.14 Set=0.14)
avg1=0.16 $\sim$ 12% avg2=0.14 $\sim$ 8%
P6AE TSN

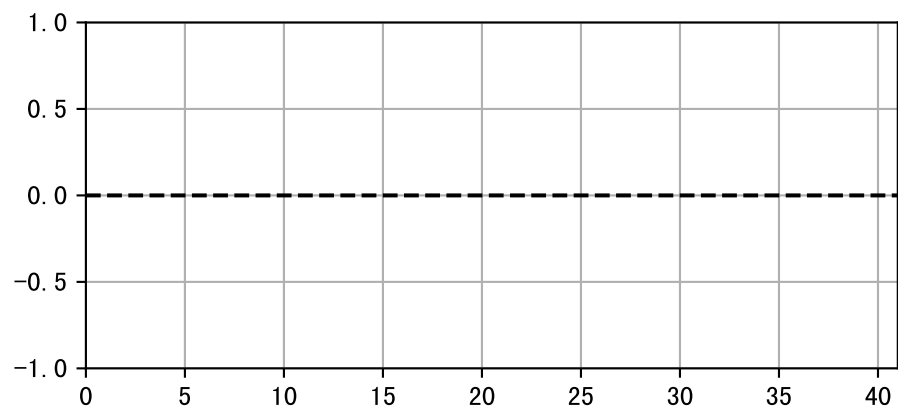
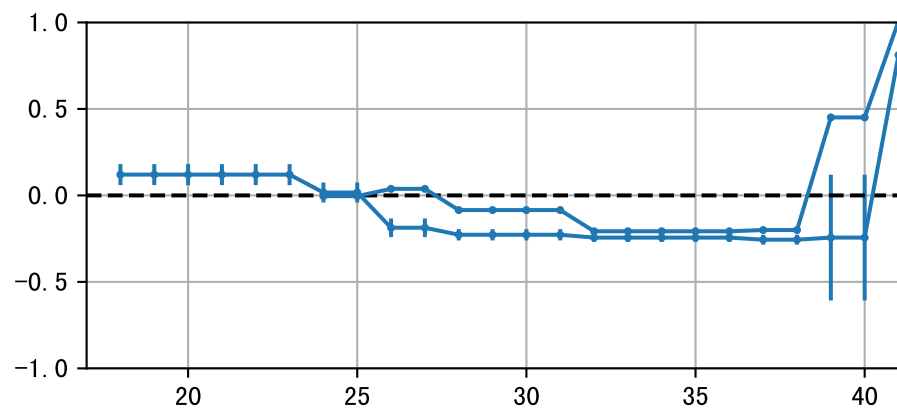
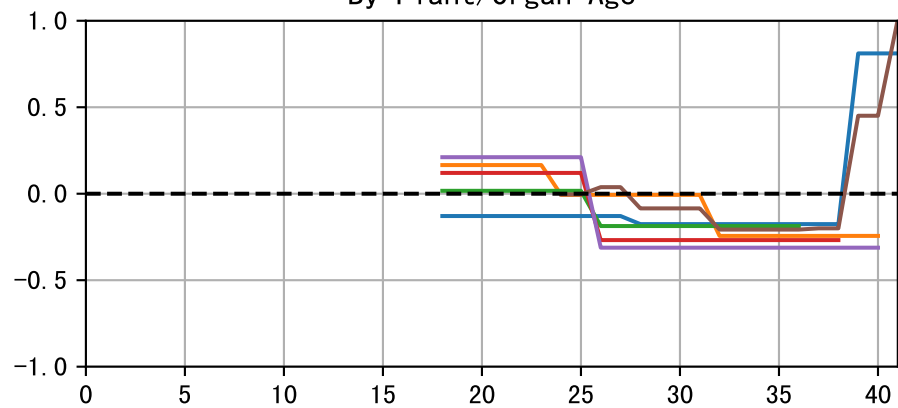


TsN

By Start Date

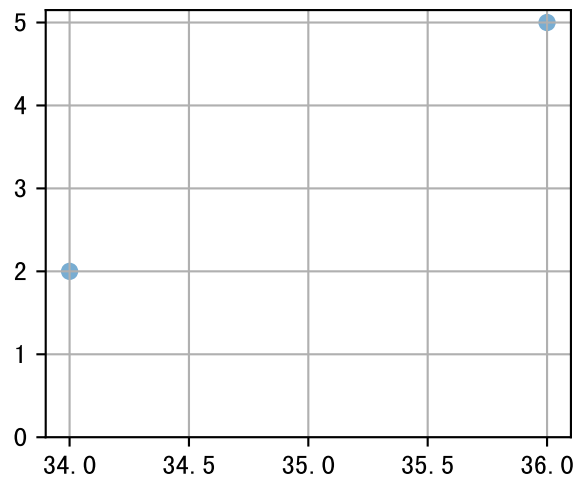


By Plant/Organ Age

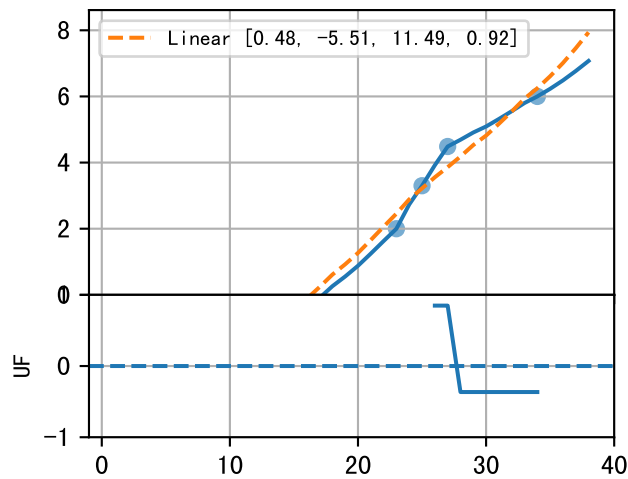


ErN

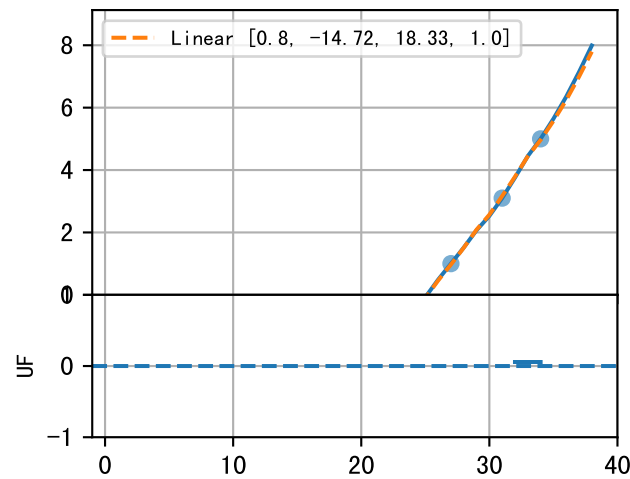
P6AE-007-10T2 (fit failed)



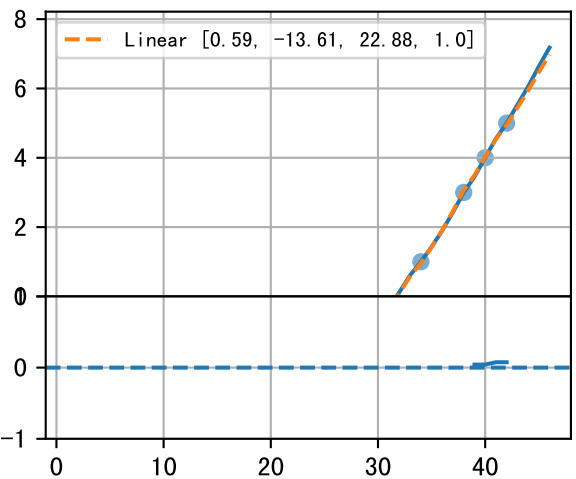
P6AE-014-17T1



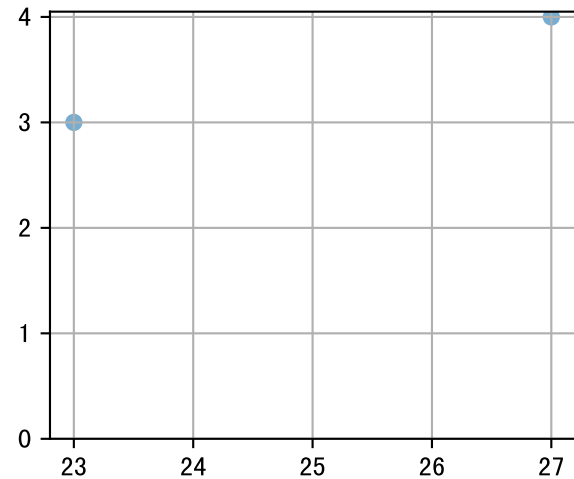
P6AE-014-17T2



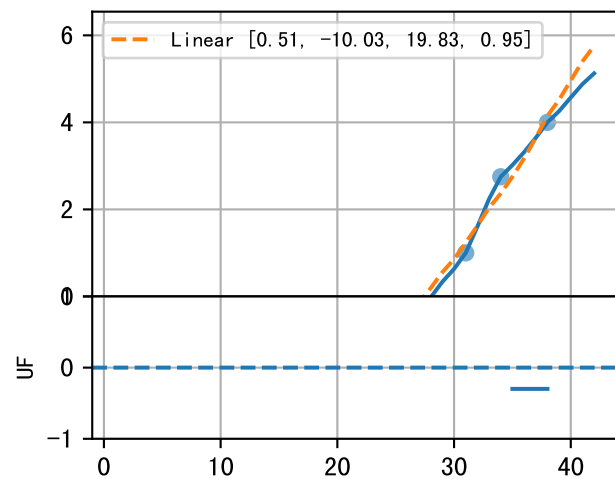
P6AE-014-17T3



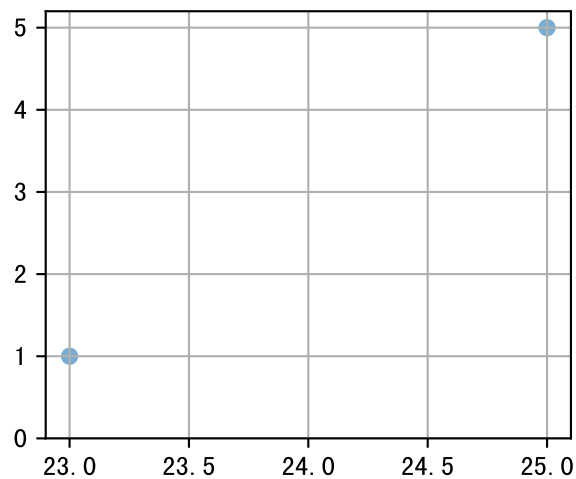
P6AE-026-25T1 (fit failed)



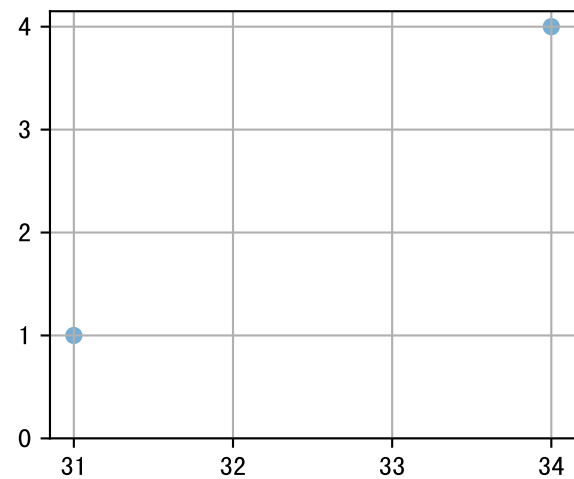
P6AE-026-25T2



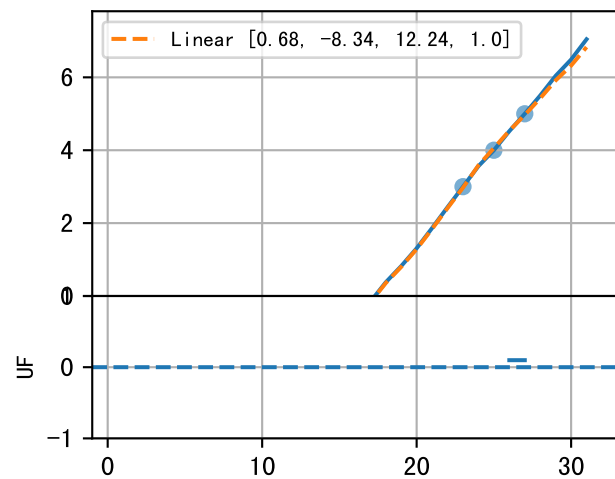
P6AE-033-4T1 (fit failed)



P6AE-033-4T2 (fit failed)

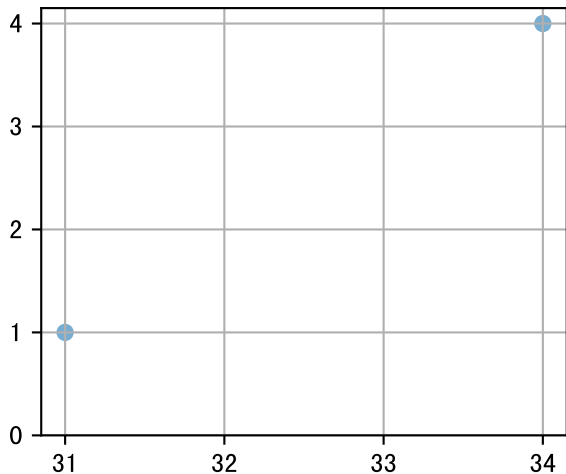


P6AE-045-12T1



P6AE-045-12T2 (fit failed)

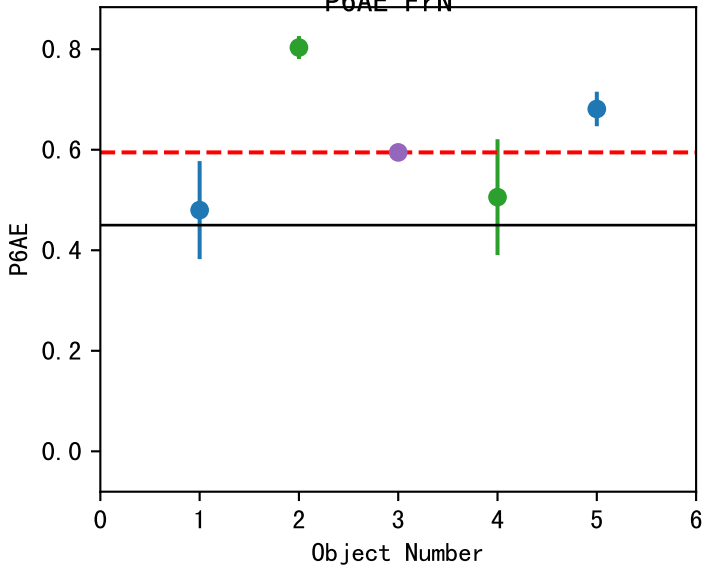
FrN



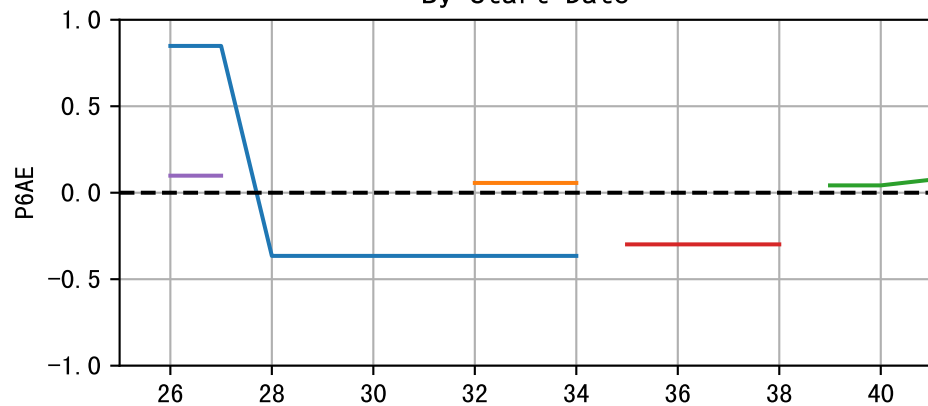
a (Def=0.45 Set=0.59)

avg1=0.59~22% avg2=na

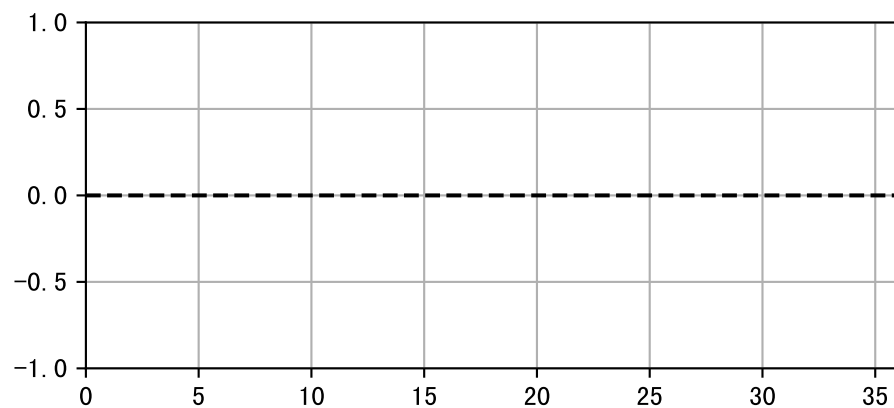
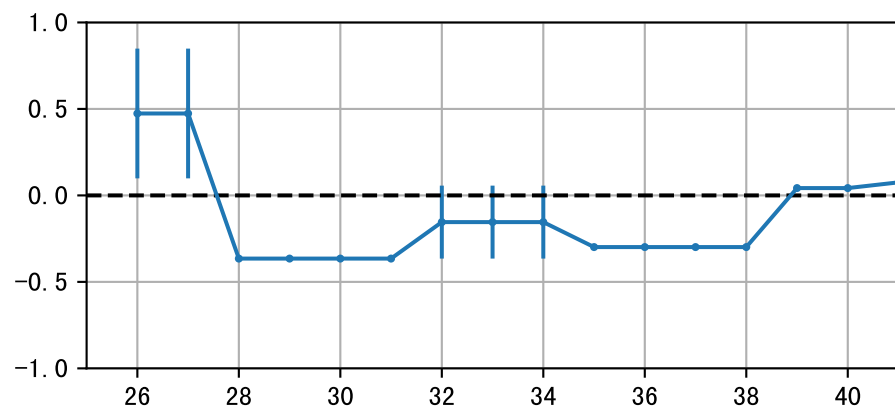
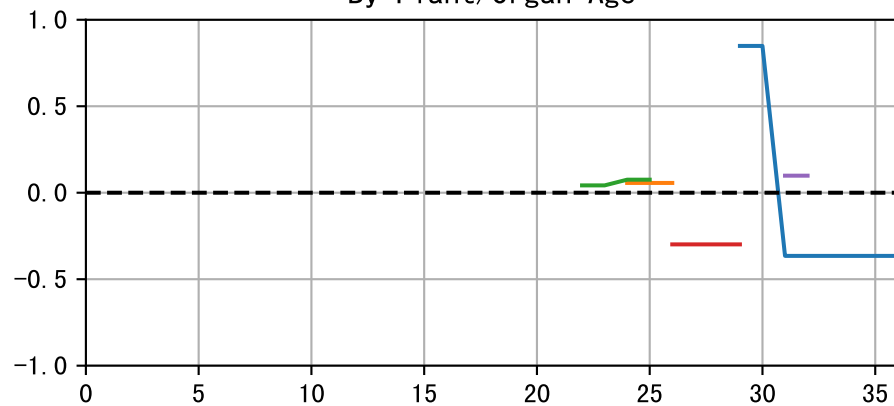
P6AE FrN



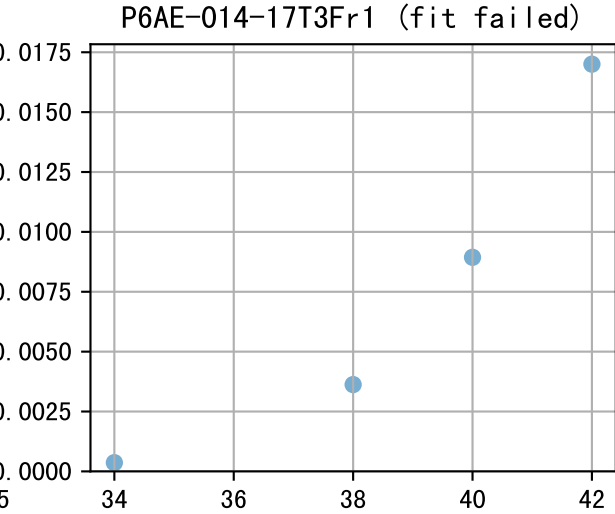
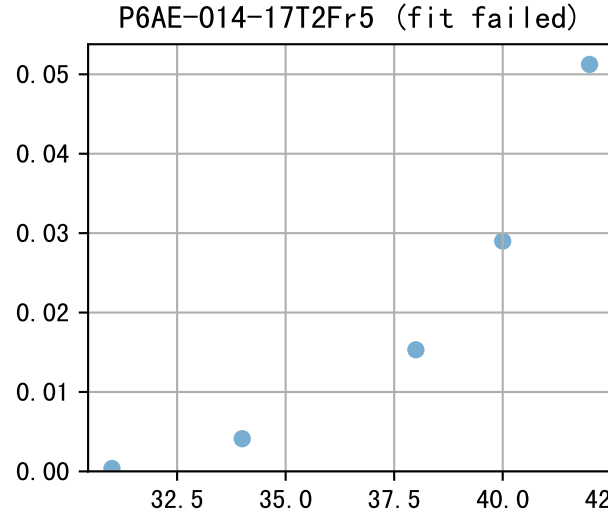
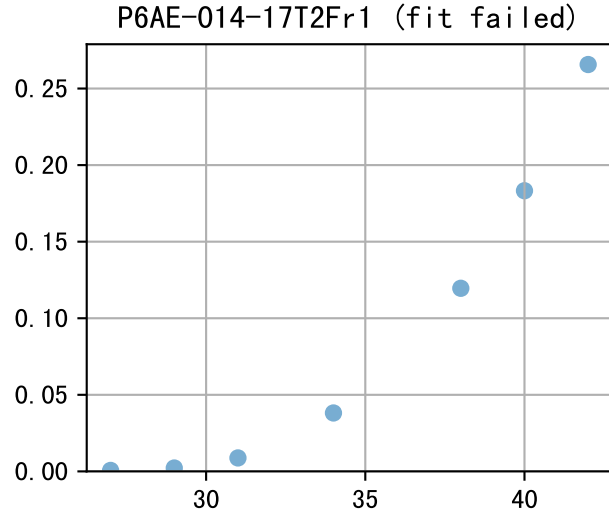
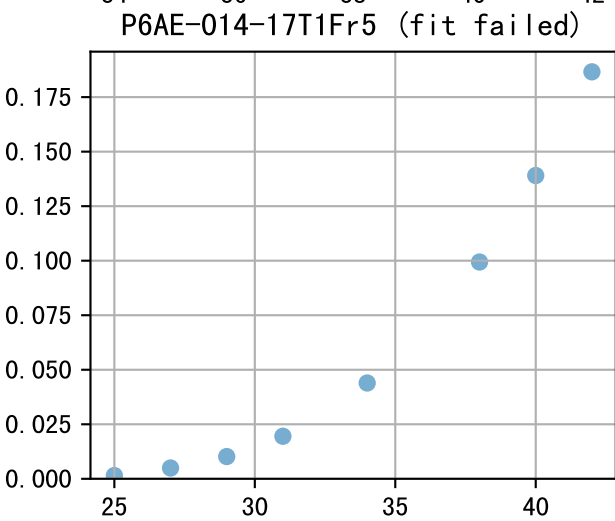
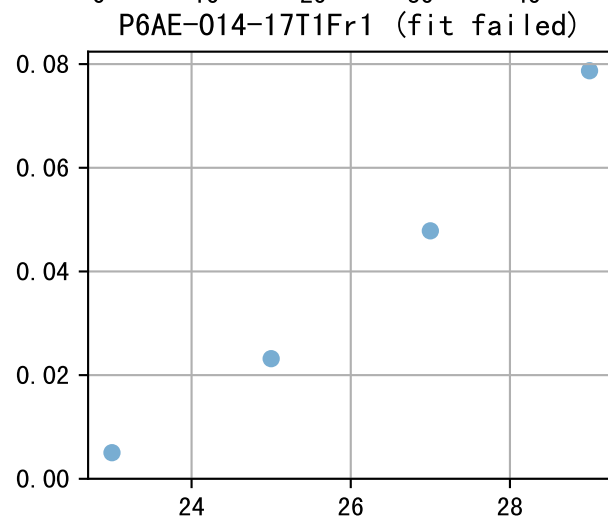
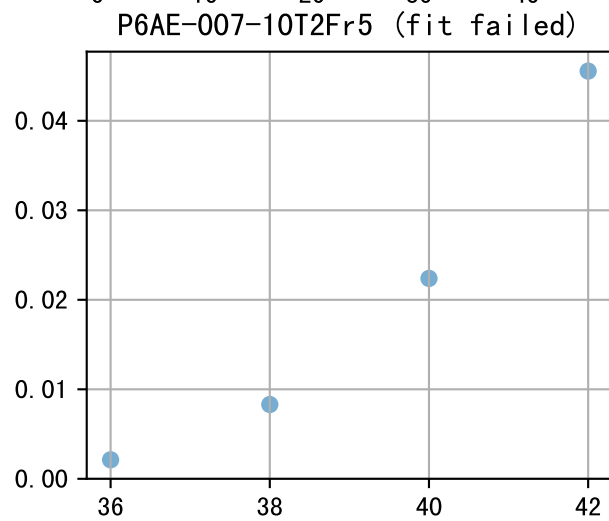
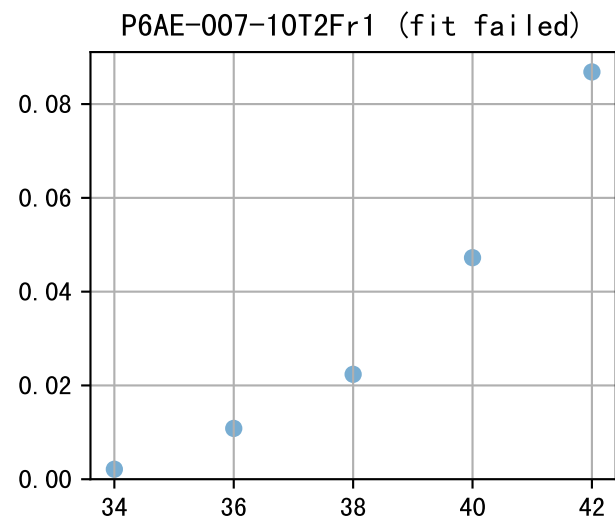
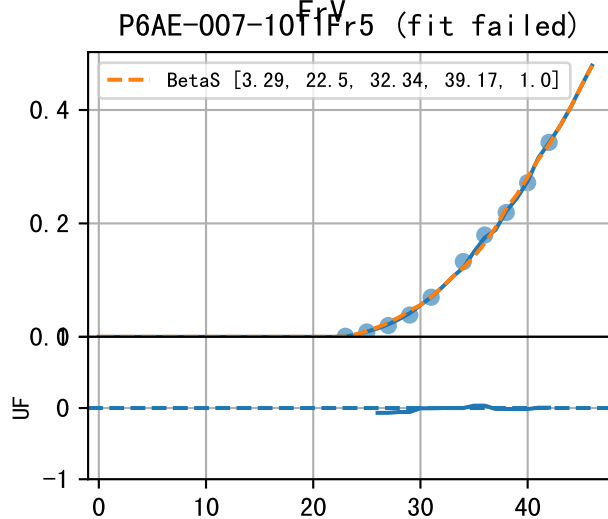
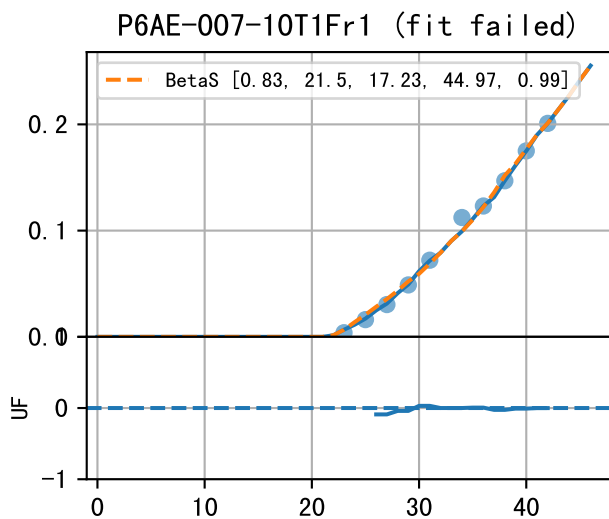
By Start Date



By Plant/Organ Age

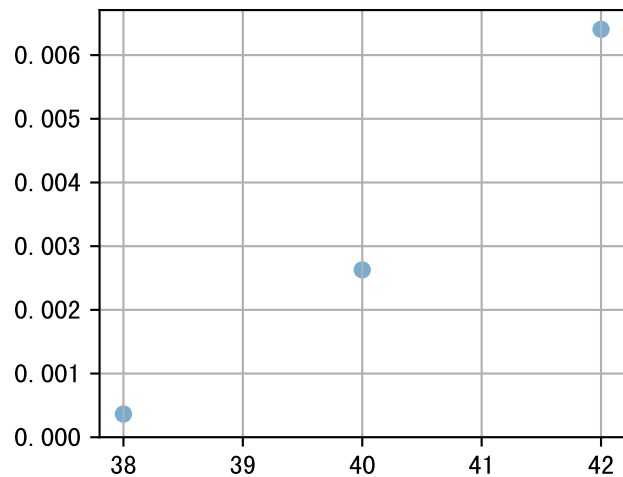


FrV

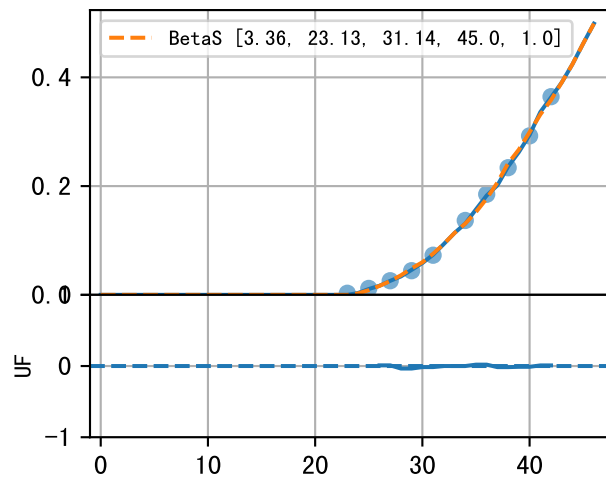


FrV

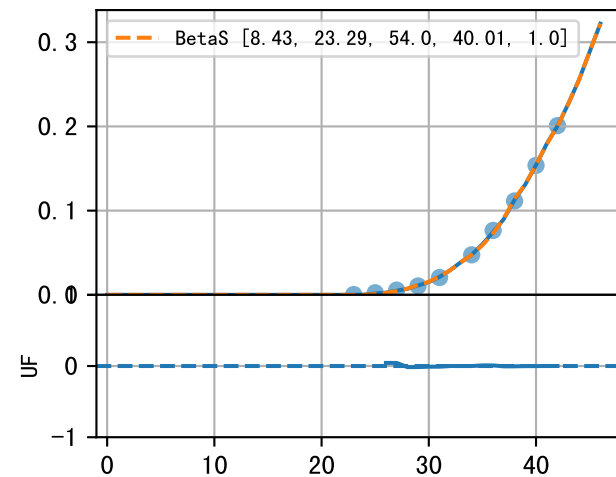
P6AE-014-17T3Fr5 (fit failed)



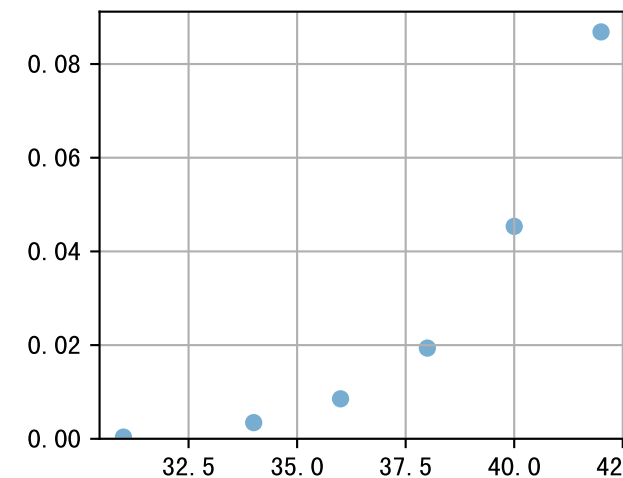
P6AE-026-25T1Fr1 (fit failed)



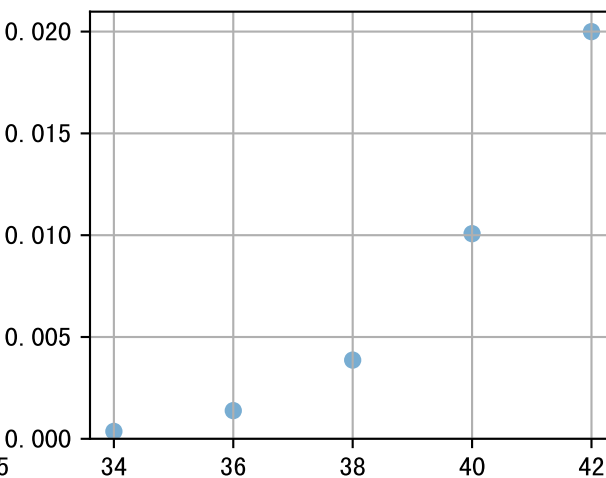
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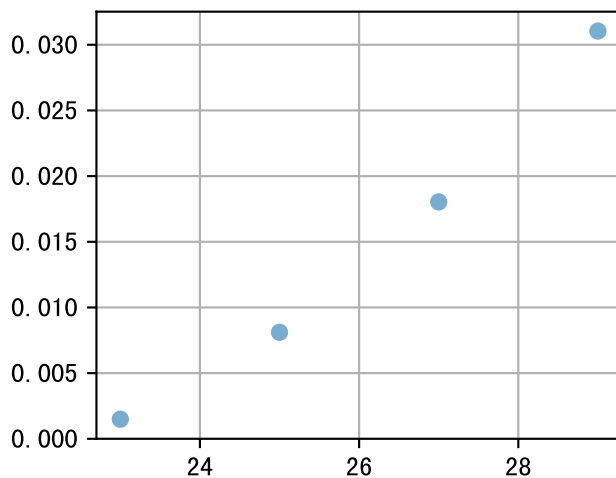
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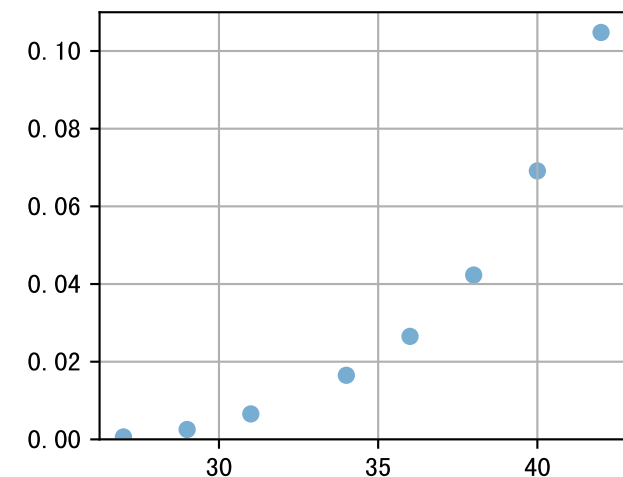
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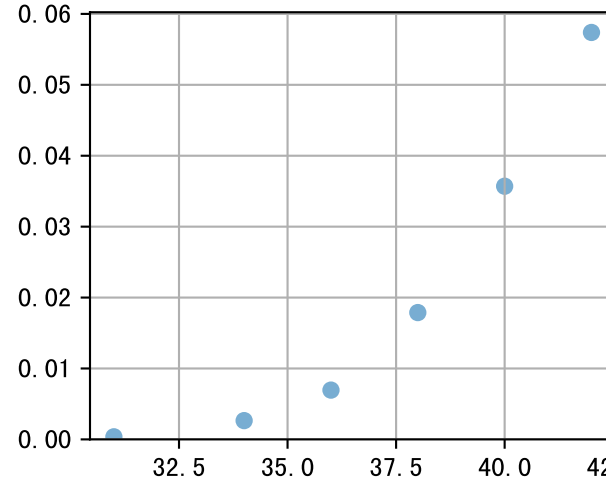
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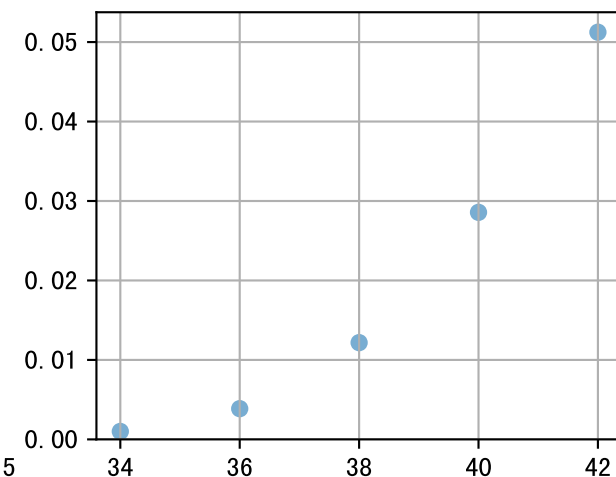
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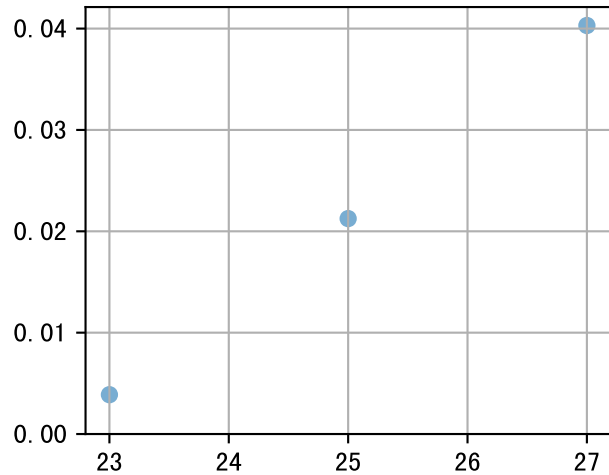
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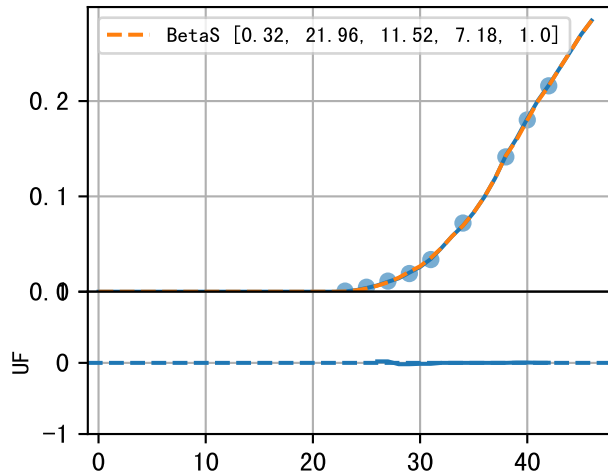
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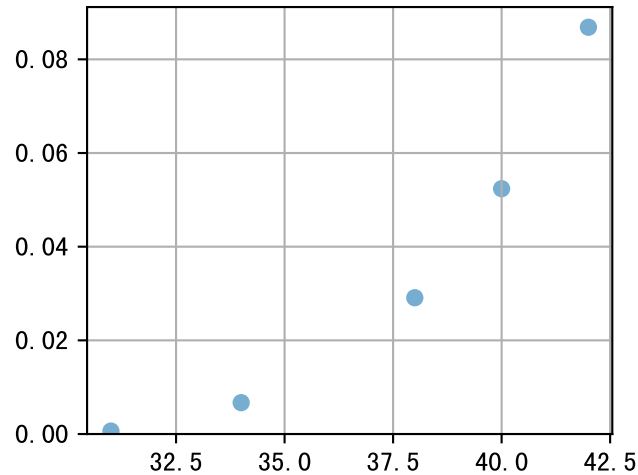
P6AE-045-12T1Fr1 (fit failed)



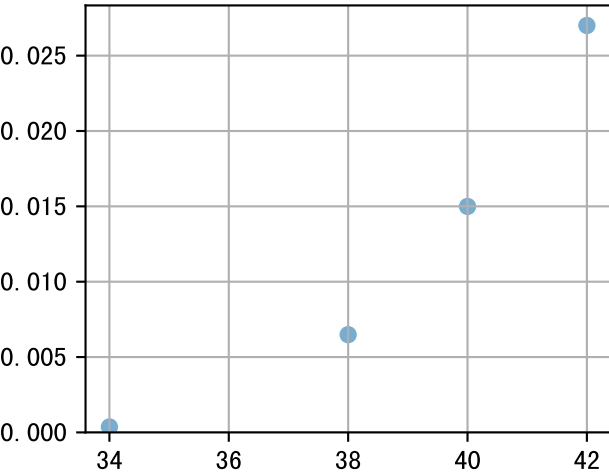
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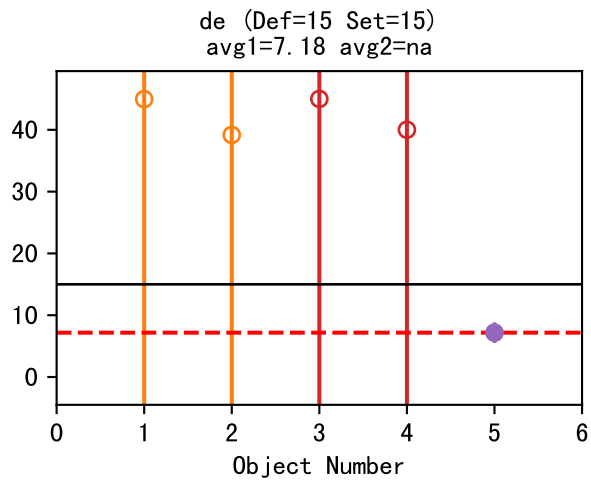
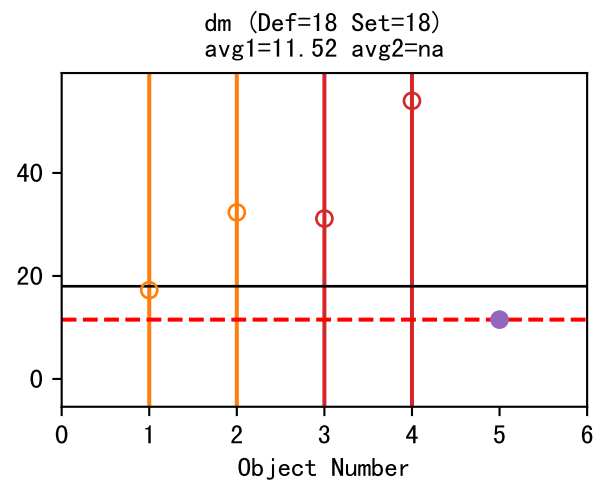
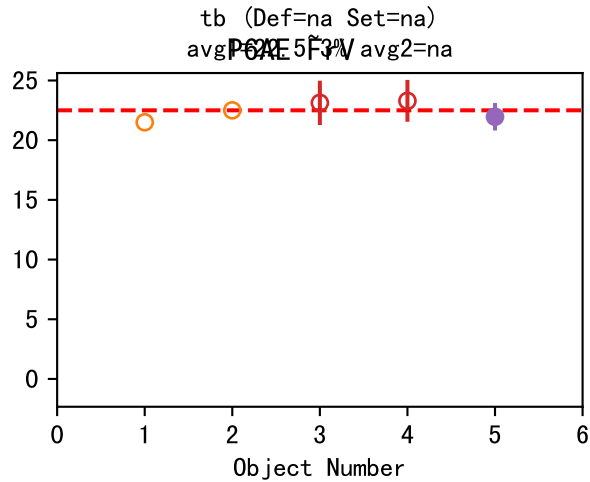
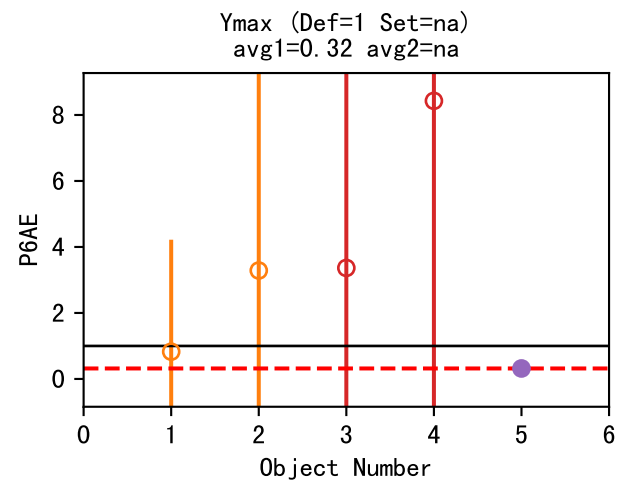


P6AE-045-12T2Fr1 (fit failed)



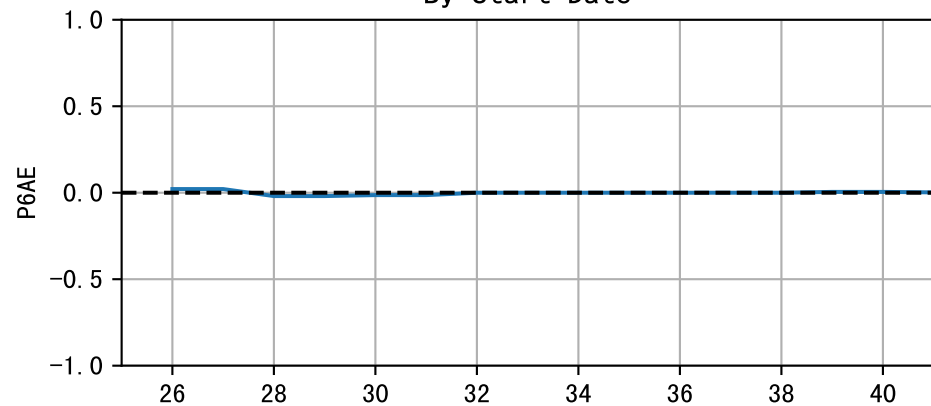
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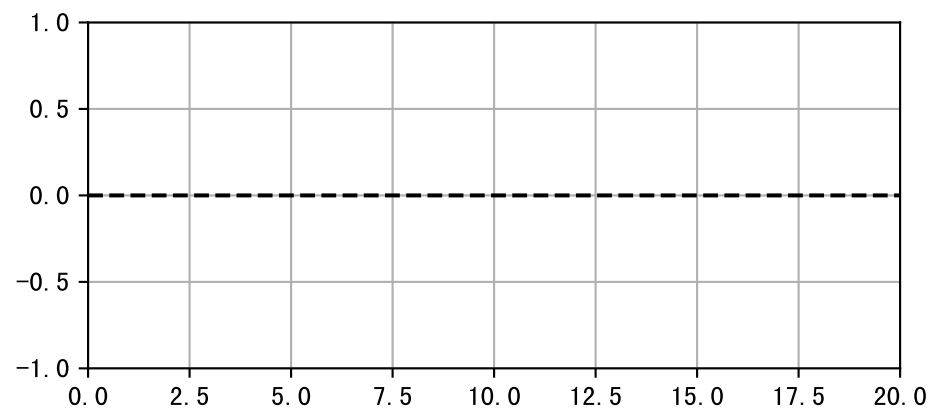
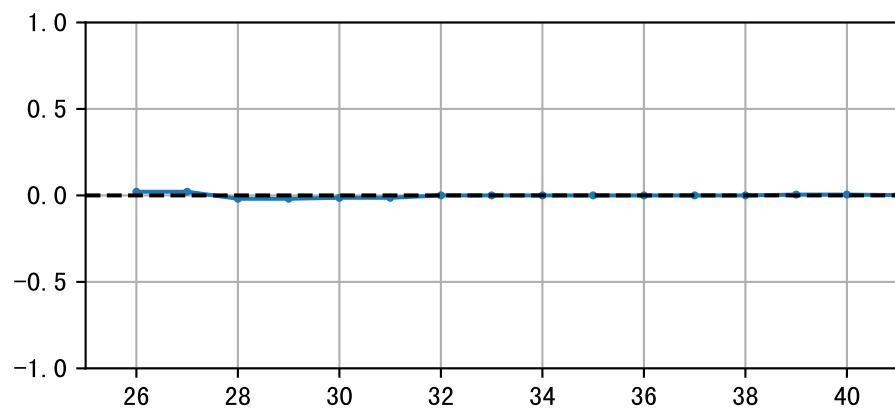
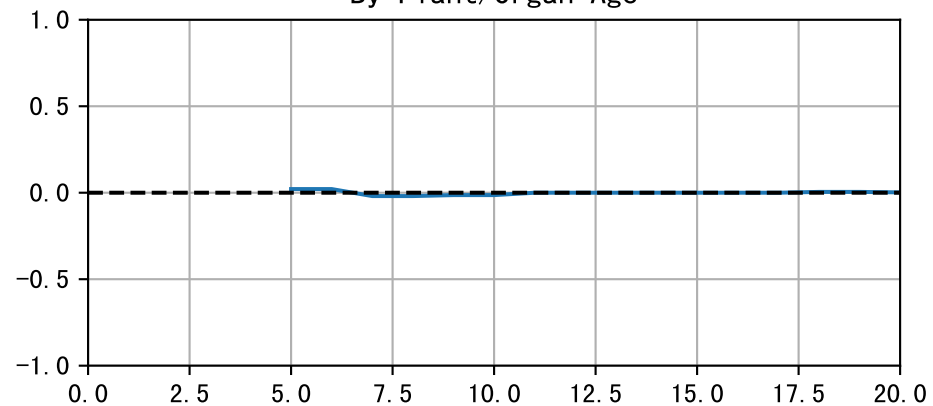


FrV

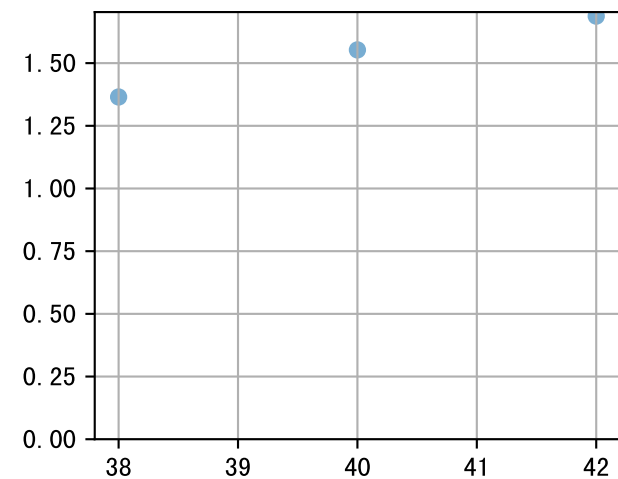
By Start Date



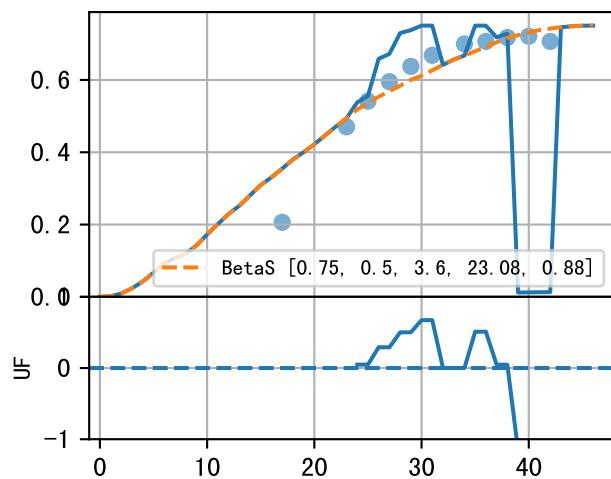
By Plant/Organ Age



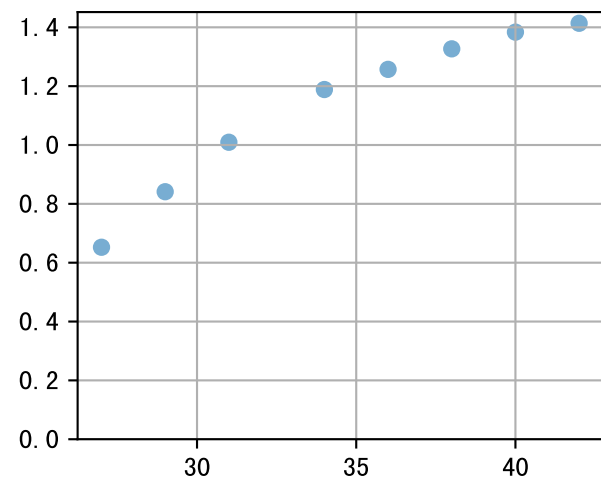
P6AE-007-10L13 (fit failed)



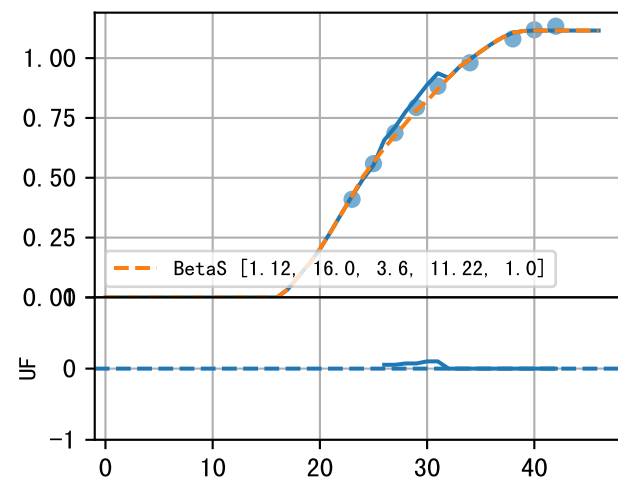
P6AE-007-10L6 (fit failed)



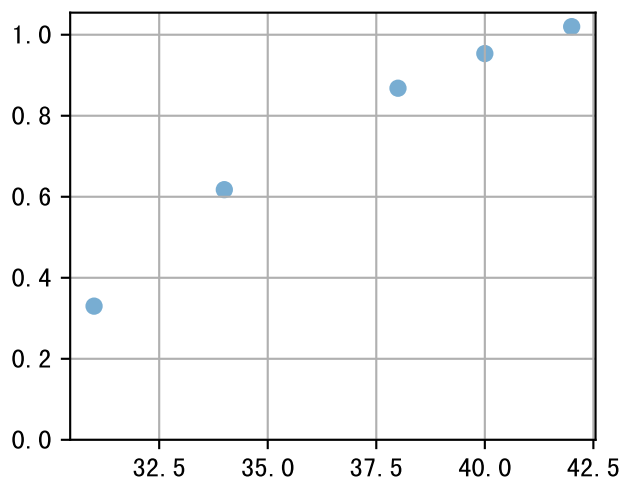
P6AE-007-10L9 (fit failed)



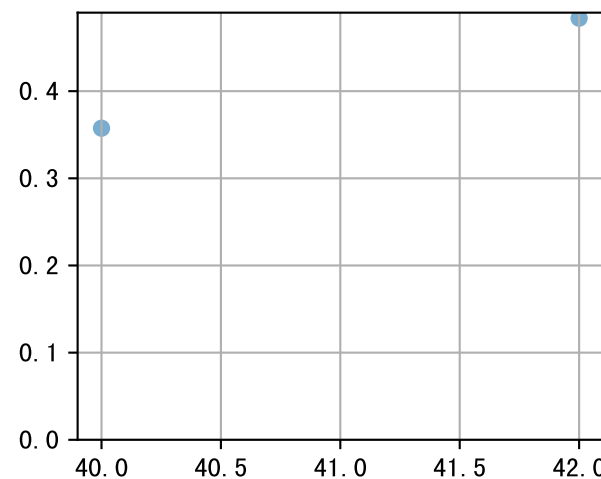
P6AE-014-17L11



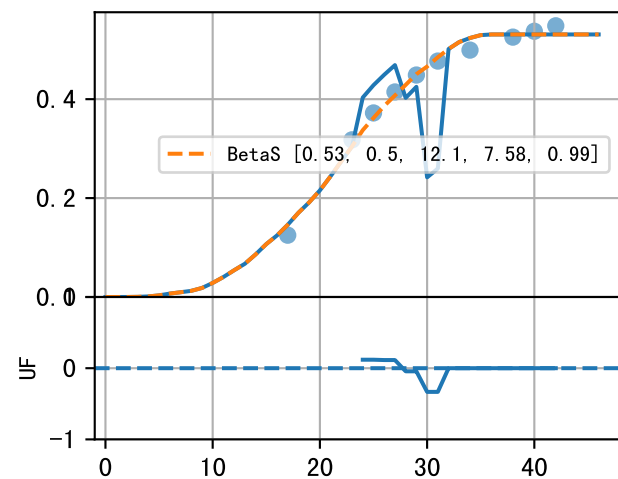
P6AE-014-17L14 (fit failed)



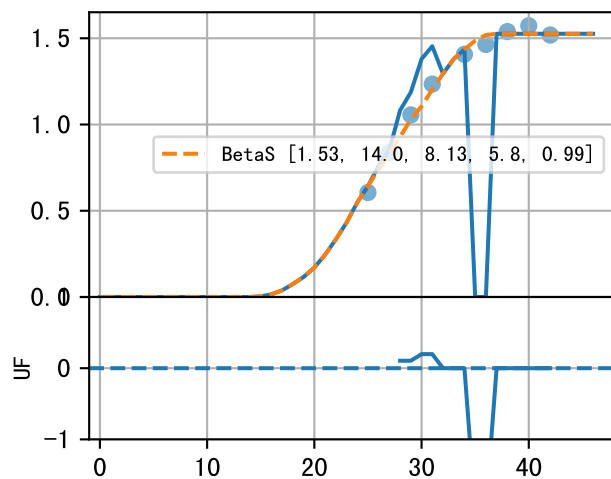
P6AE-014-17L17 (fit failed)



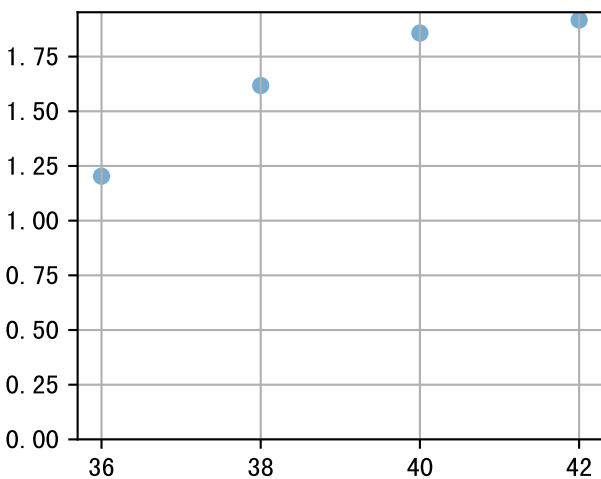
P6AE-014-17L8 (fit failed)



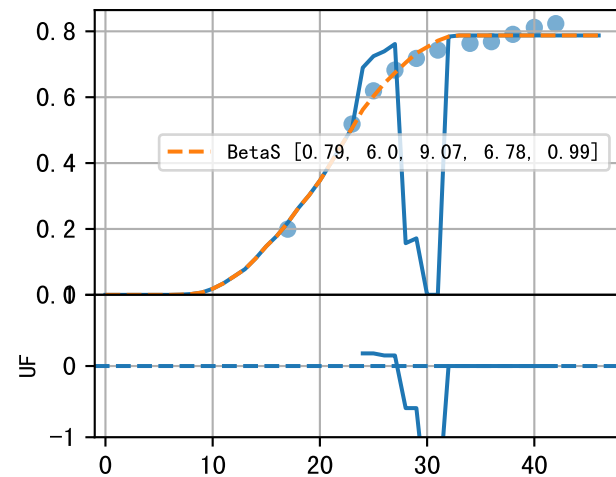
P6AE-026-25L10



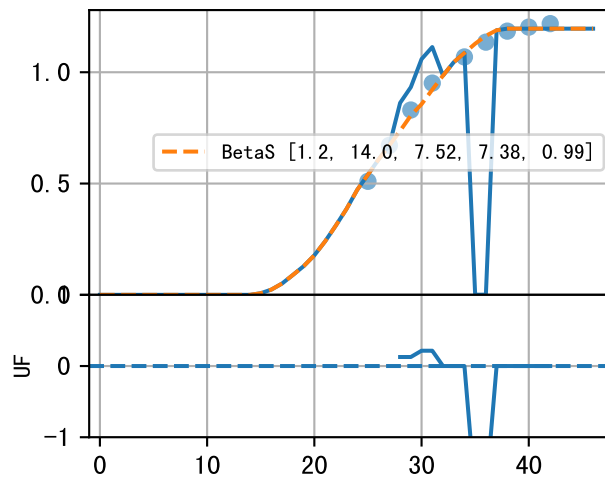
P6AE-026-25L13 (fit failed)



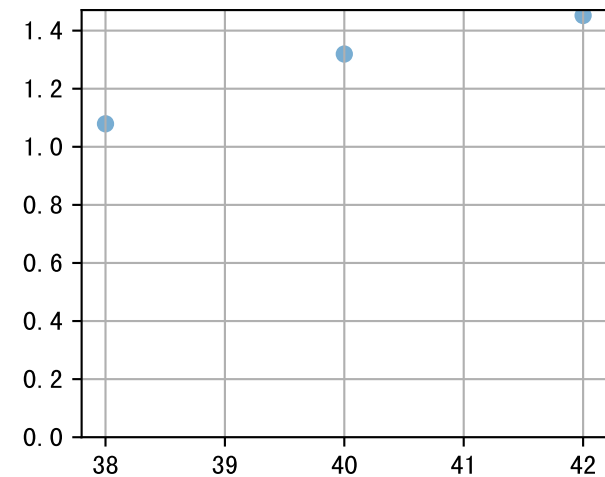
P6AE-026-25L7 (fit failed)



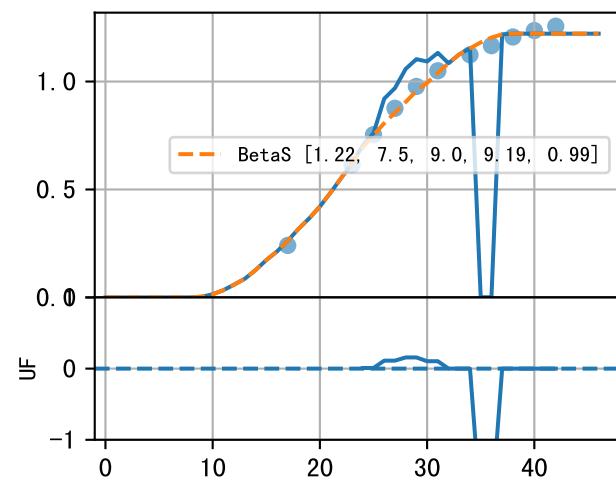
P6AE-033-4L10



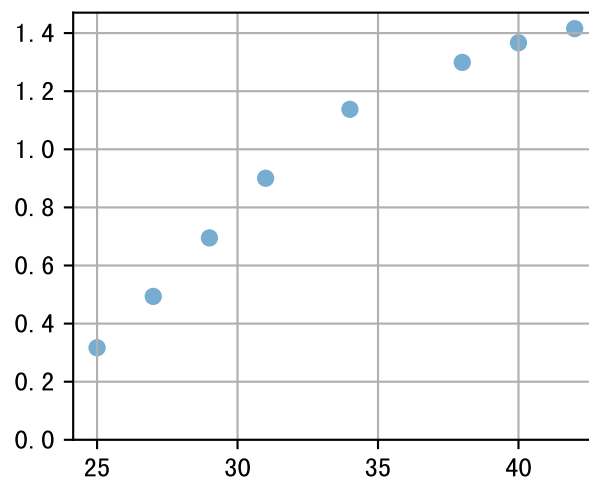
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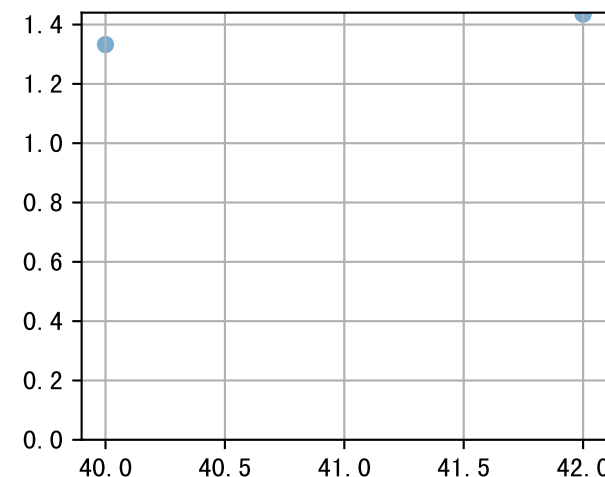
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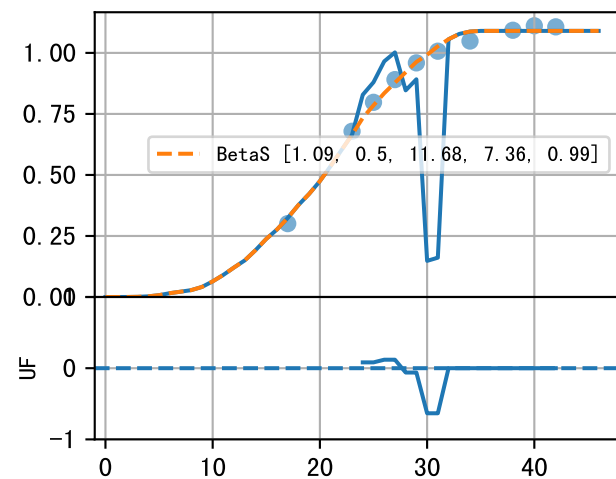
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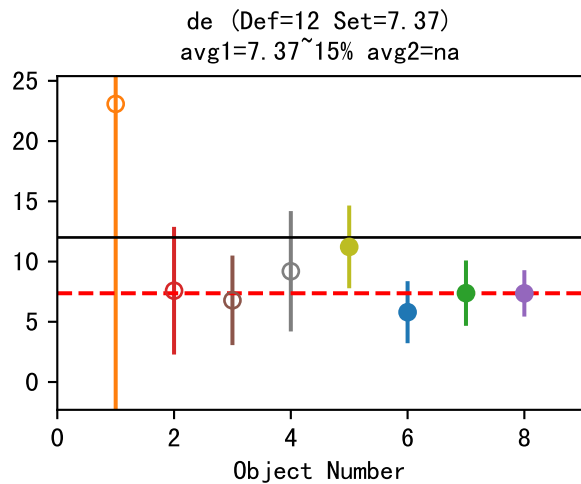
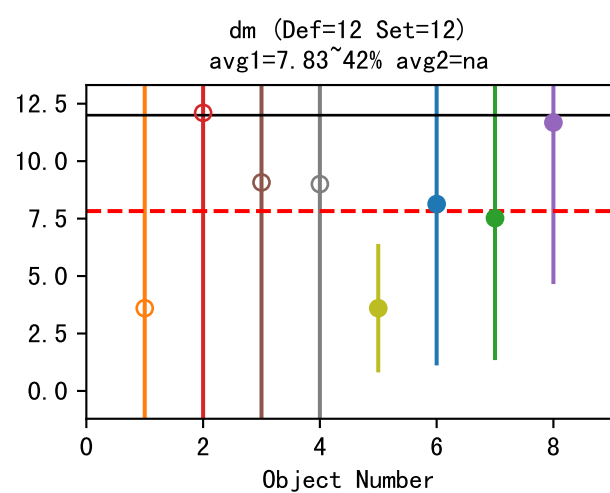
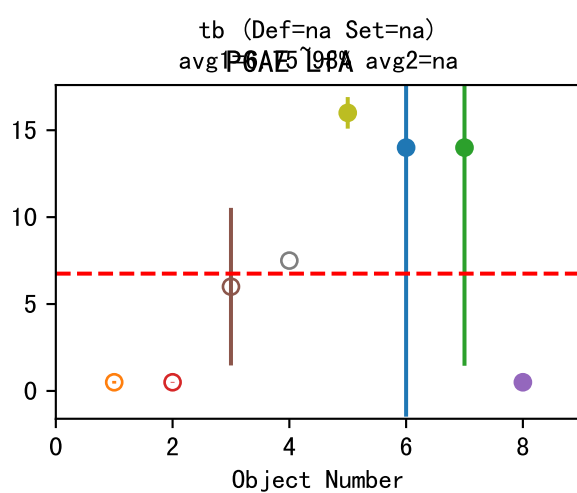
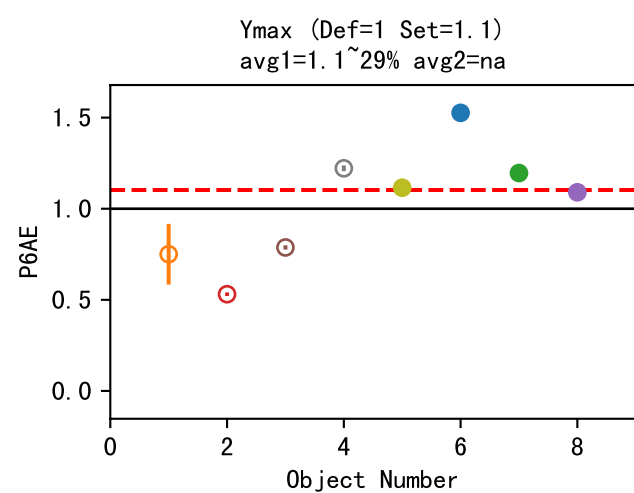


P6AE-045-12L14 (fit failed)

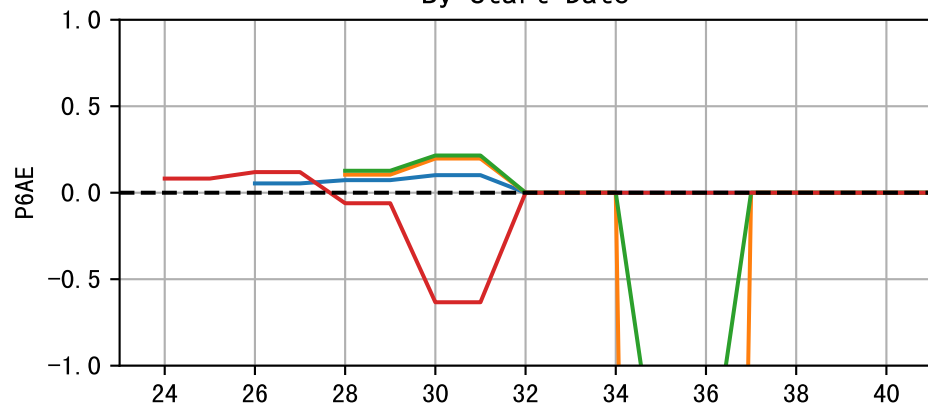


P6AE-045-12L7

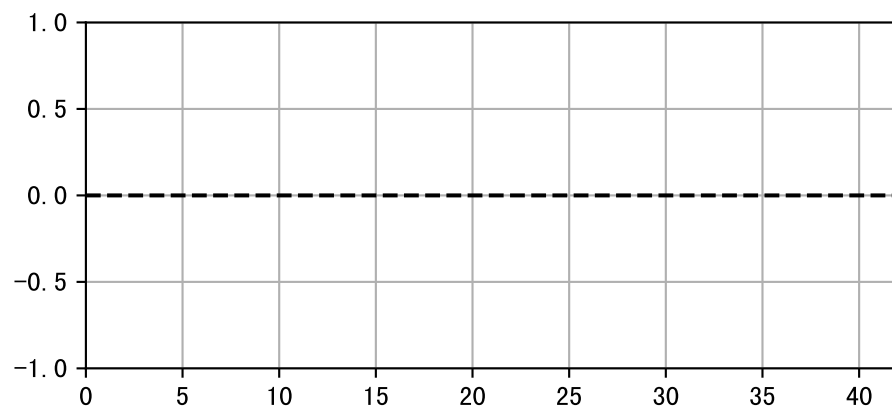
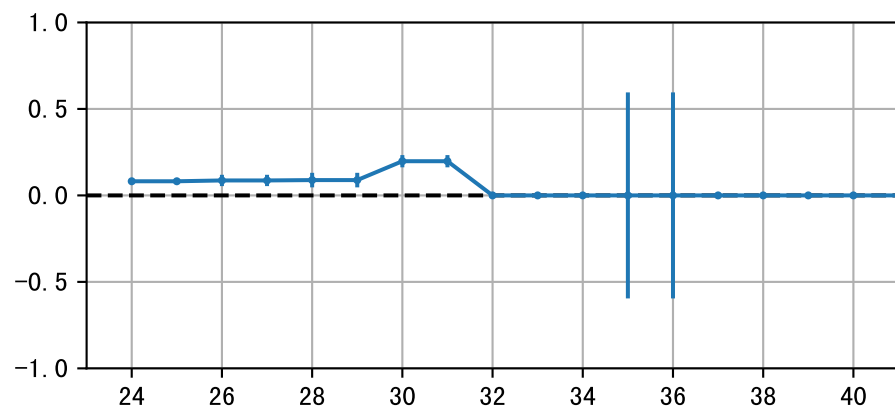
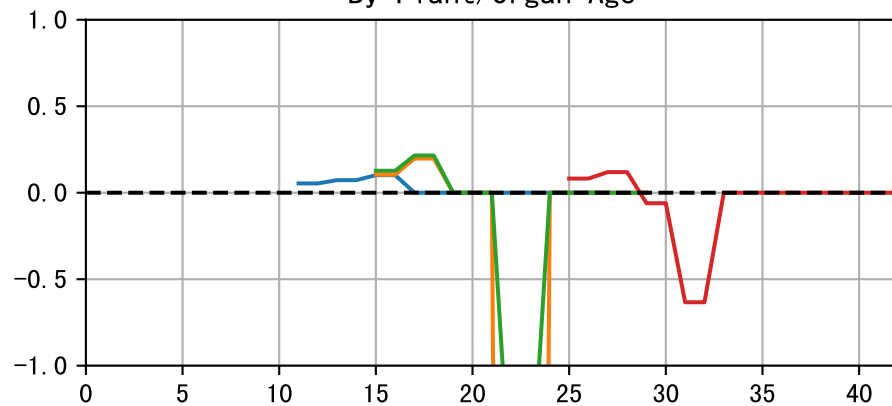




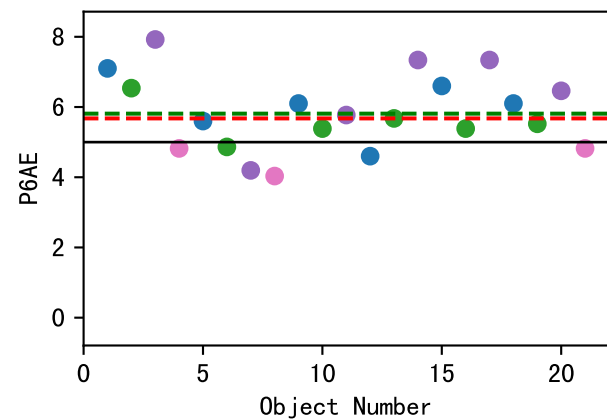
By Start Date



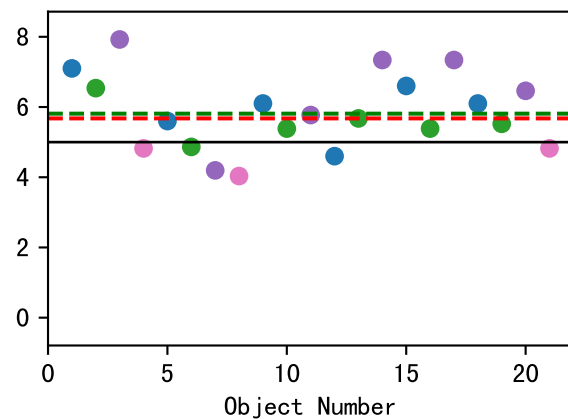
By Plant/Organ Age



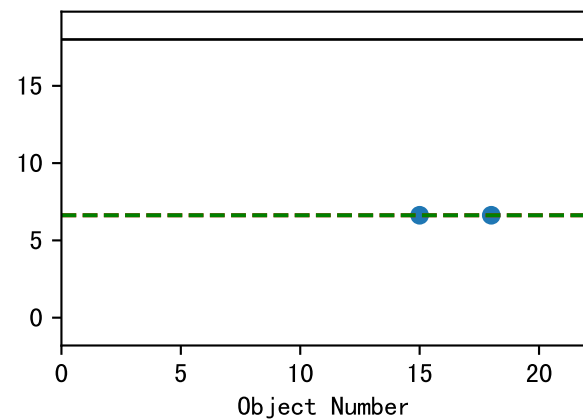
Fl_dm (Def=5 Set=5.68)
avg1=5.68~20% avg2=5.81~12%



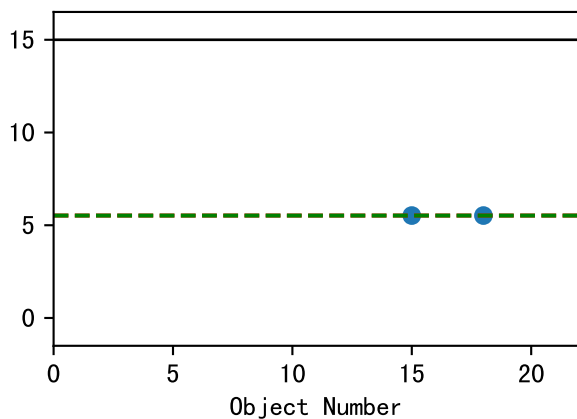
Fl_de (Def=5 Set=5.68)
avg1=5.68~20% avg2=5.81~12%



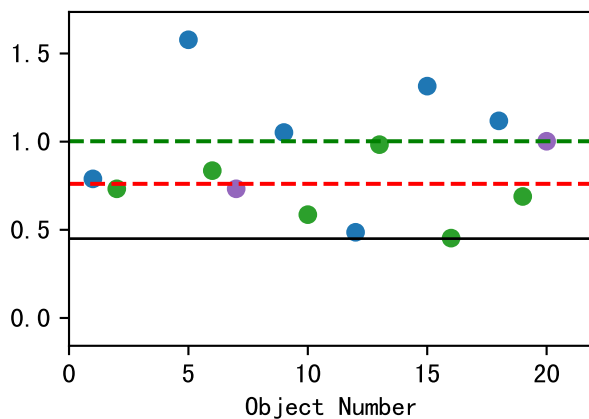
FrV_dm (Def=18 Set=18)
avg1=6.63 avg2=6.63



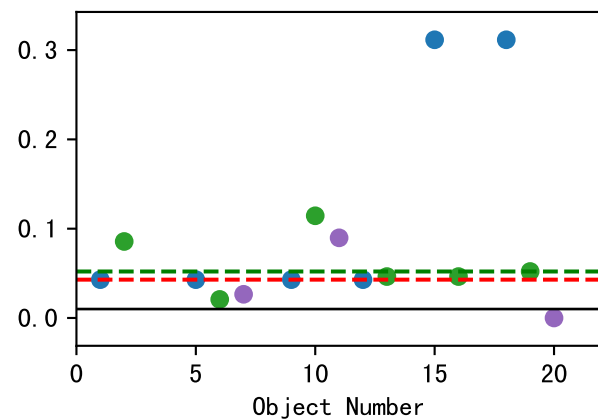
FrV_de (Def=15 Set=15)
avg1=5.52 avg2=5.52



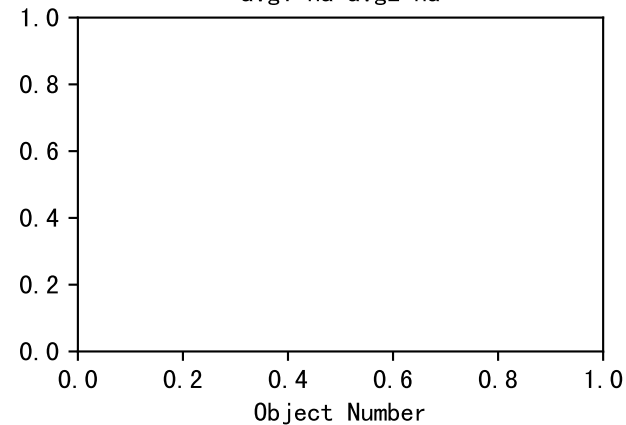
FrN_a (Def=0.45 Set=0.76)
avg1=0.76~35% avg2=1.0~22%



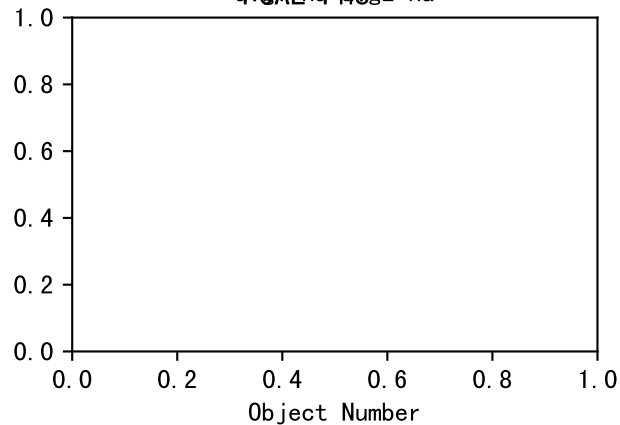
FSDdevStage (Def=0.01 Set=0.04)
avg1=0.04~68% avg2=0.05~321%



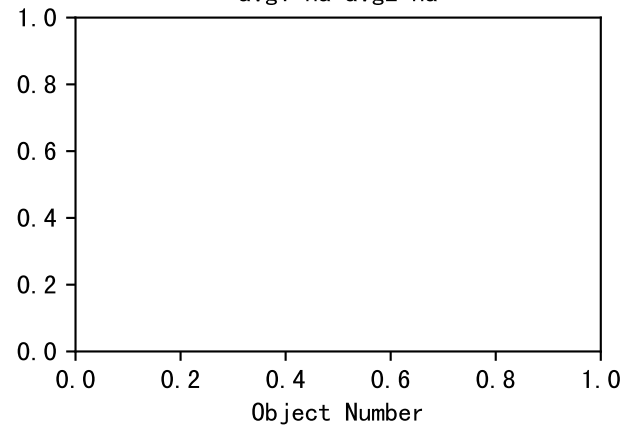
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



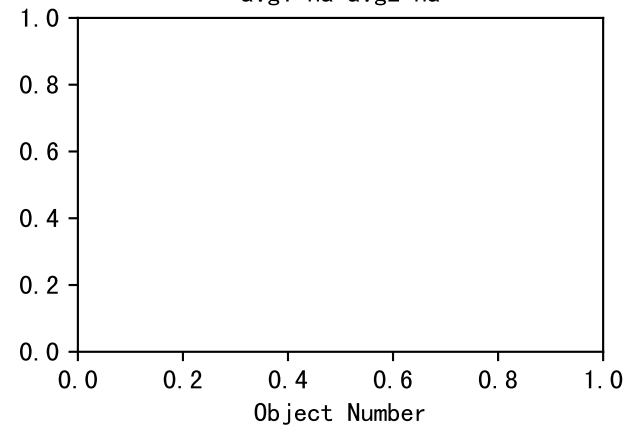
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



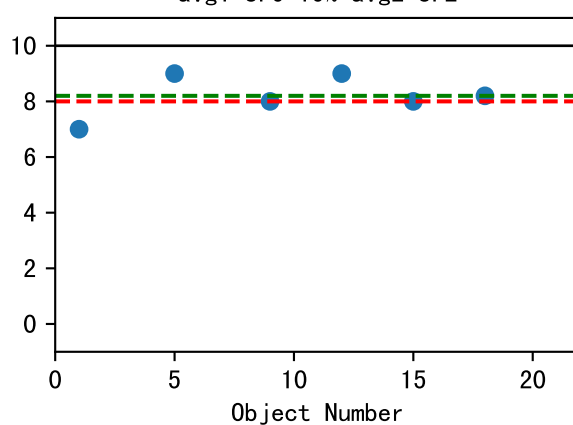
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

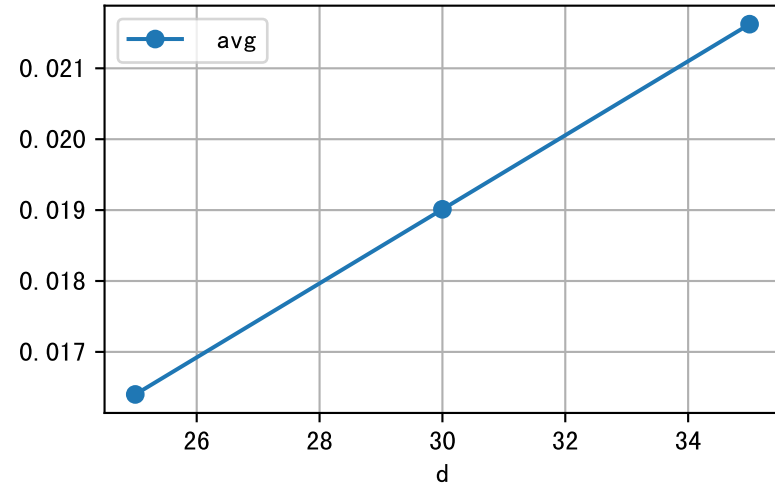


NNgen (Def=10 Set=8)
avg1=8.0~10% avg2=8.2

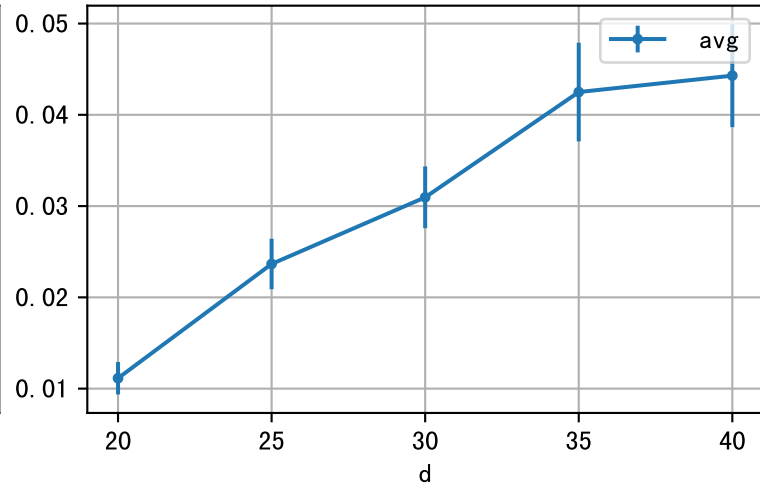


LfA: avg vs. d at each age group

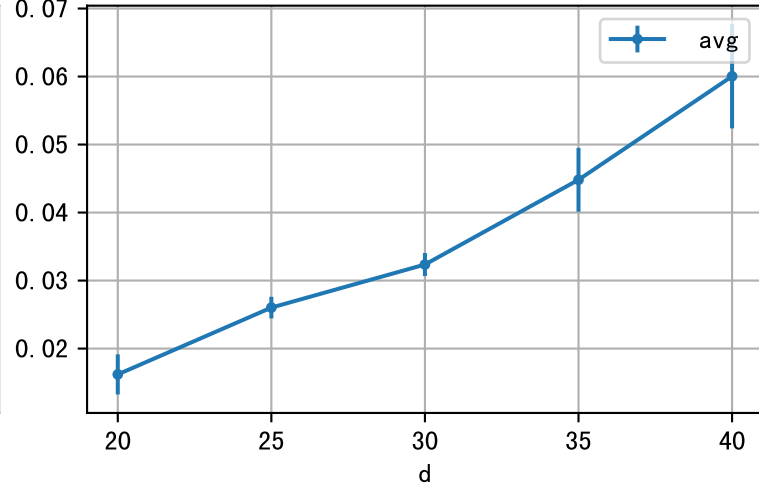
age=15



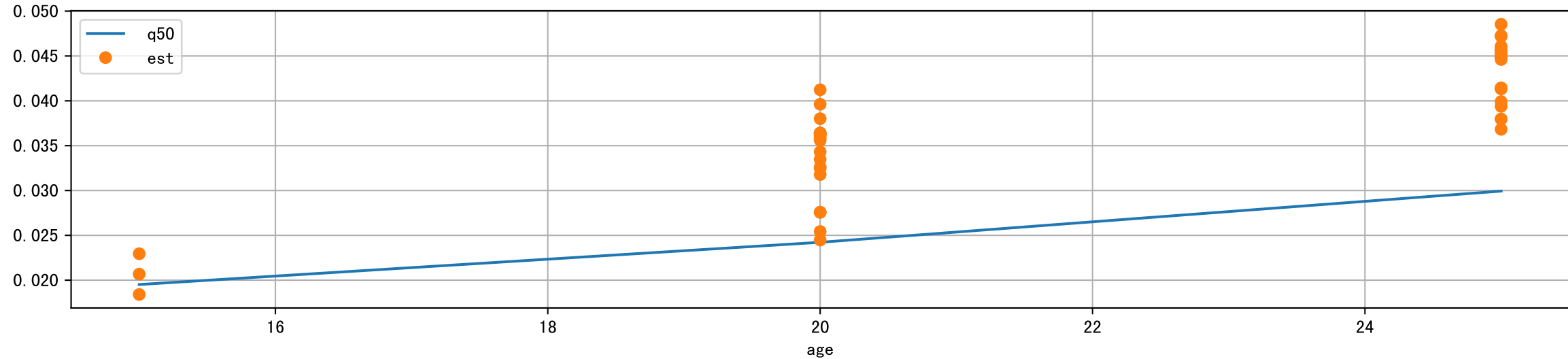
age=20



age=25

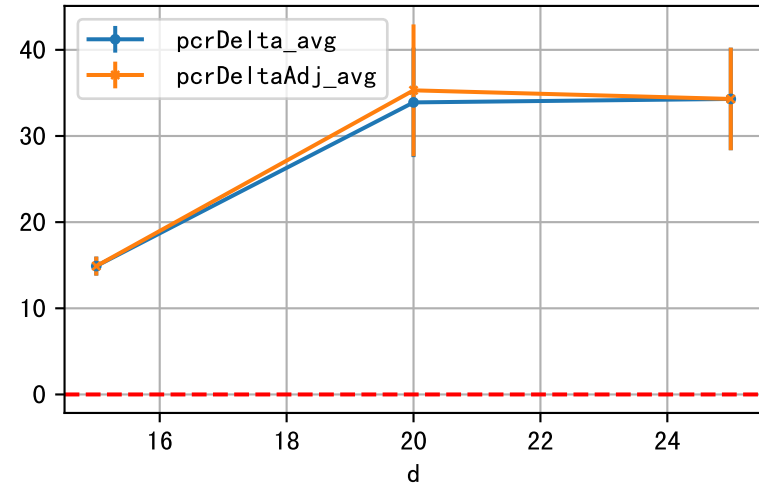


LfA: model est vs obs0v@Q50

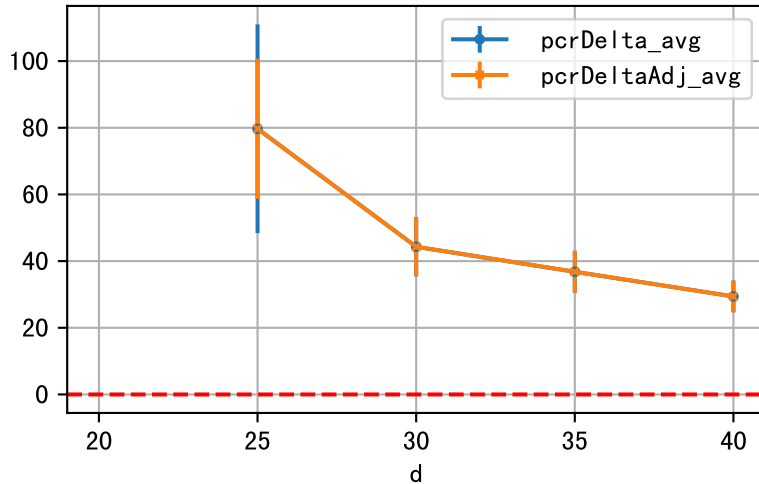


P6AE LfA: D_5d_LfA

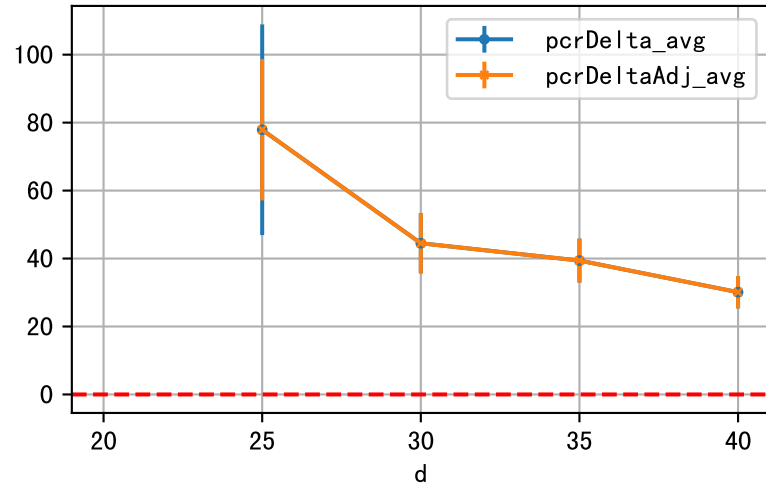
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

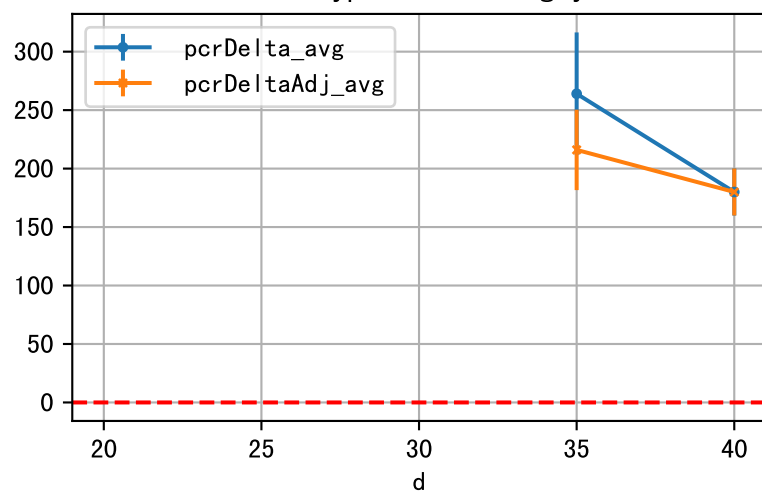
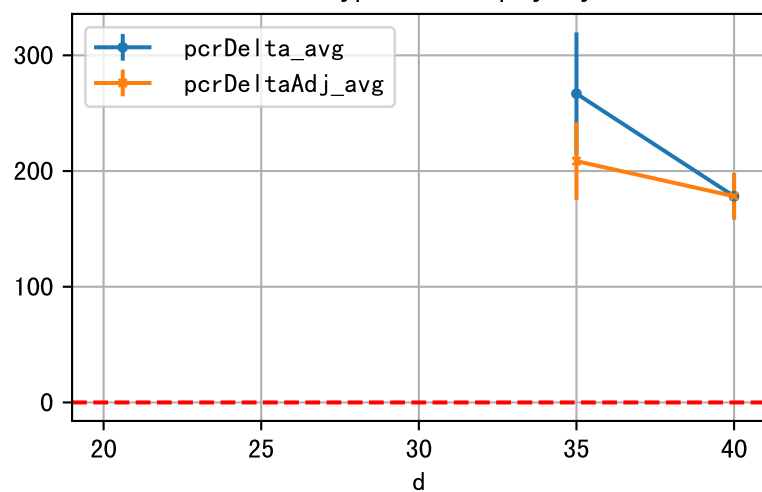
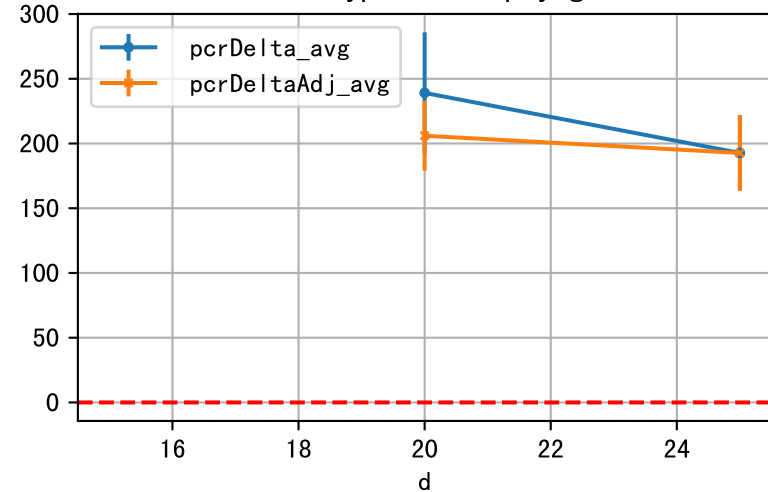


P6AE LfA: D_15d_LfA

DeltaTypeAbbr=GrpByAge

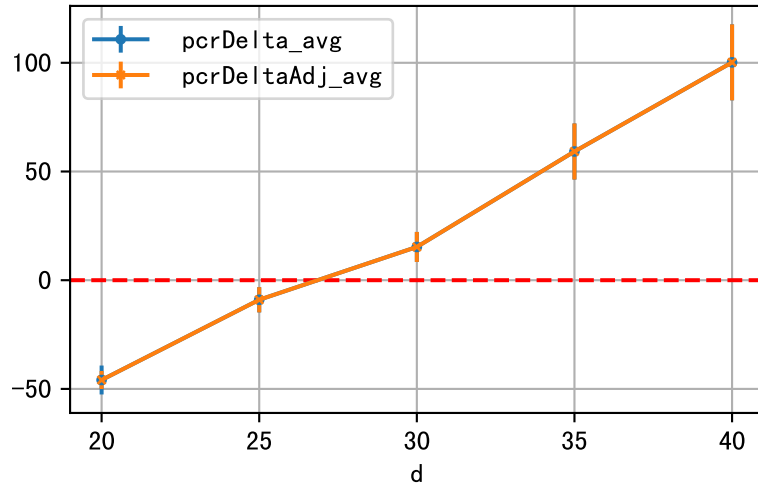
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

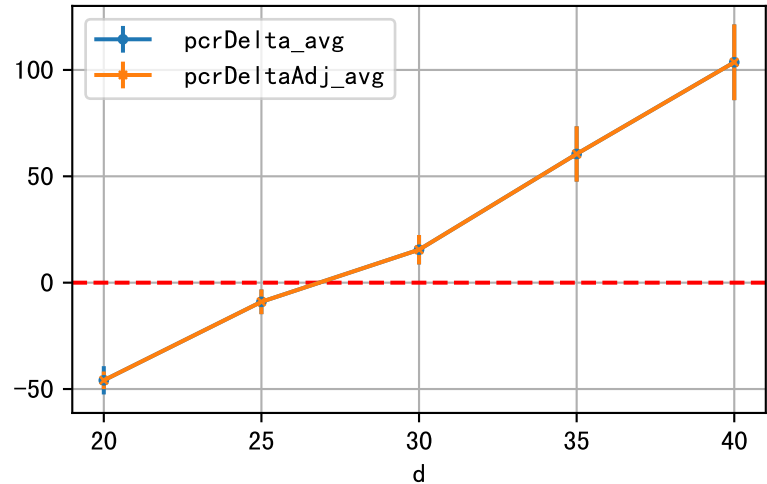


P6AE LfA: D_Q50_LfA

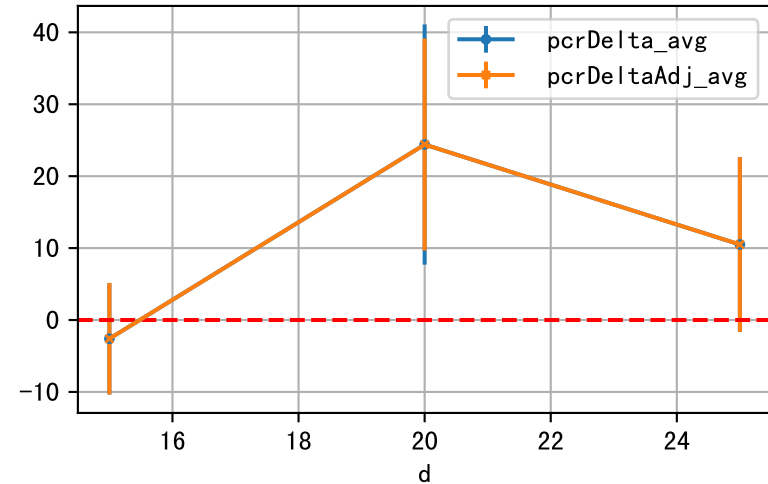
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

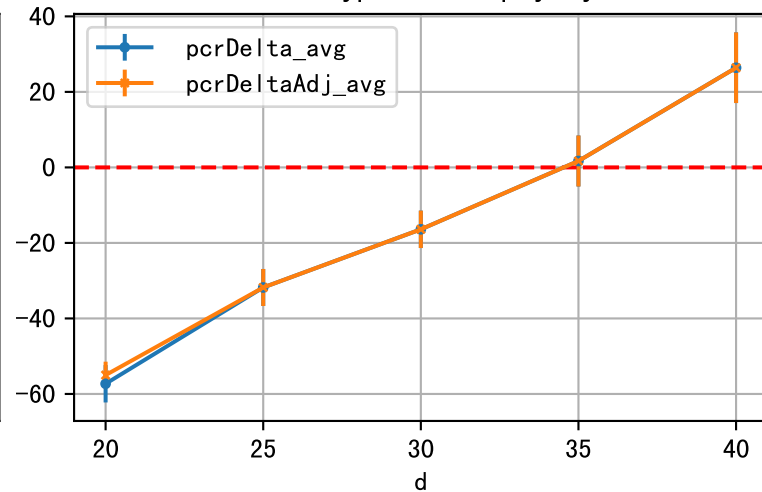


DeltaTypeAbbr=GrpByAge

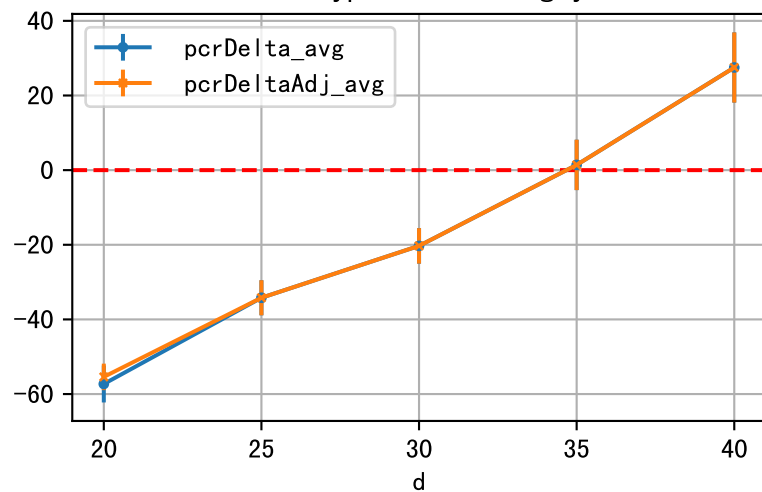


P6AE LfA: D_Est_LfA

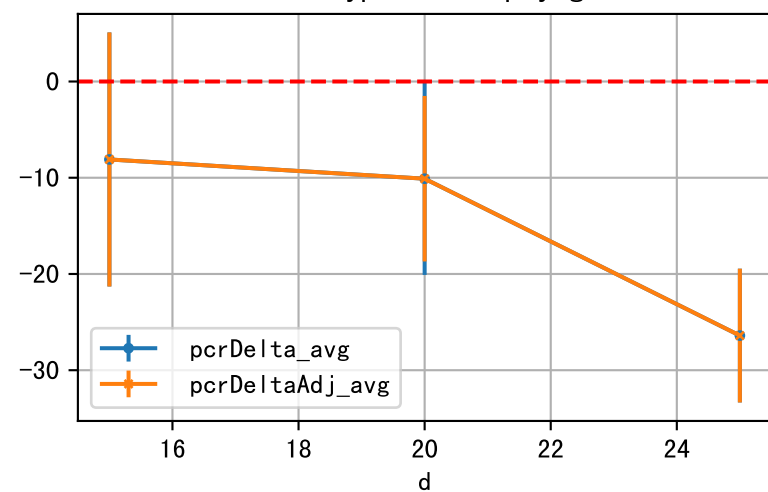
DeltaTypeAbbr=GrpByDay



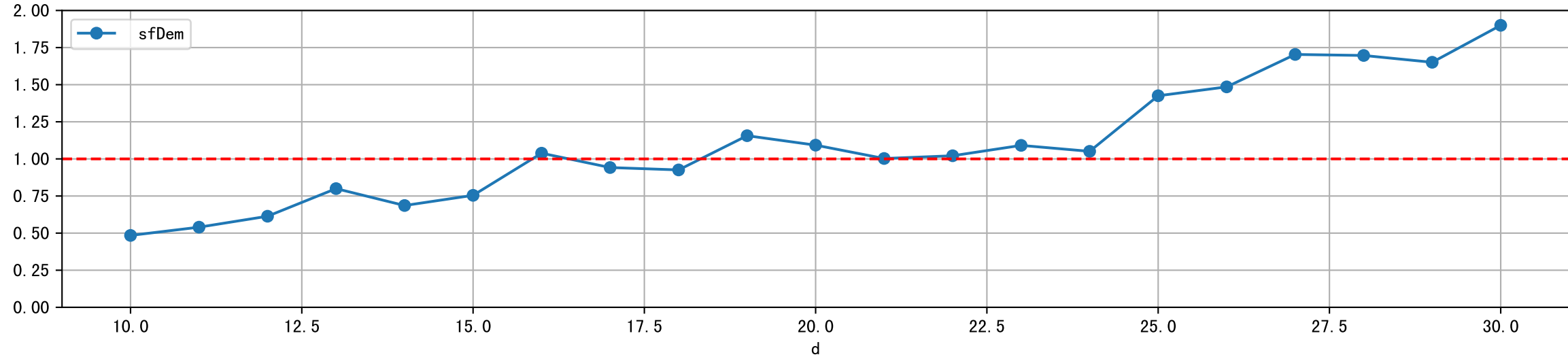
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge



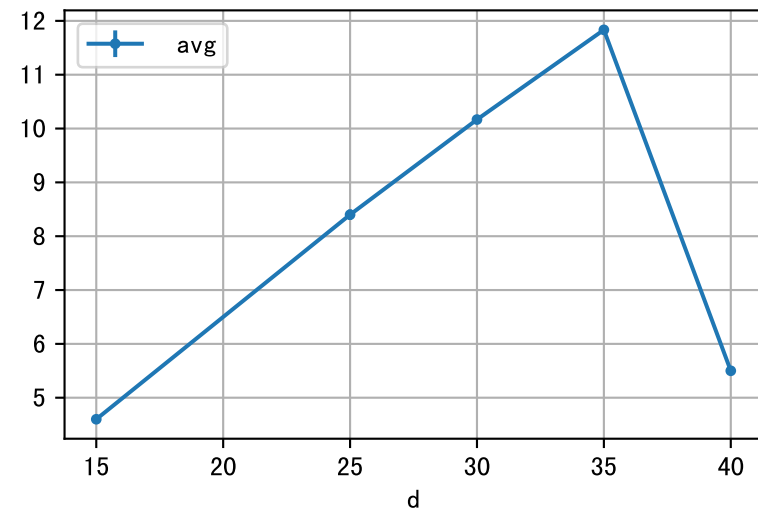
LfA: sfDem



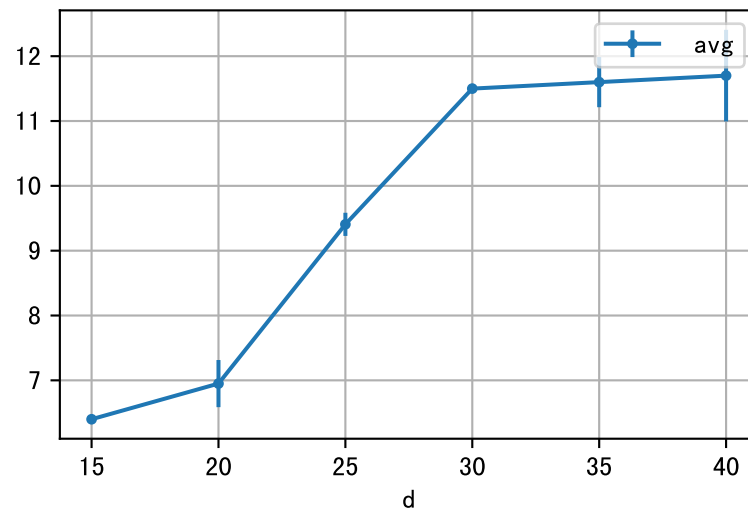


NdD: avg vs. d at each age group

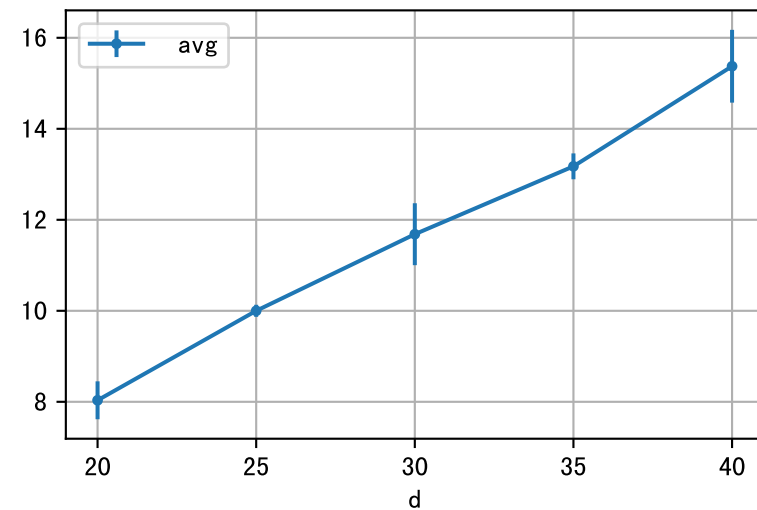
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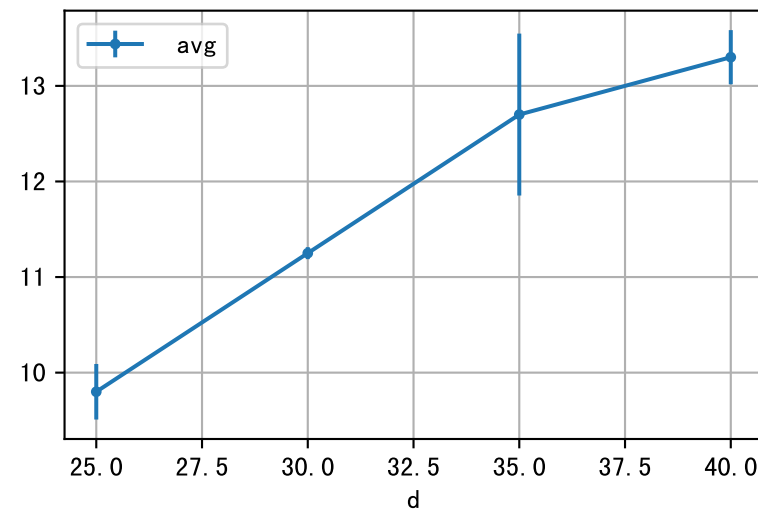
age=20



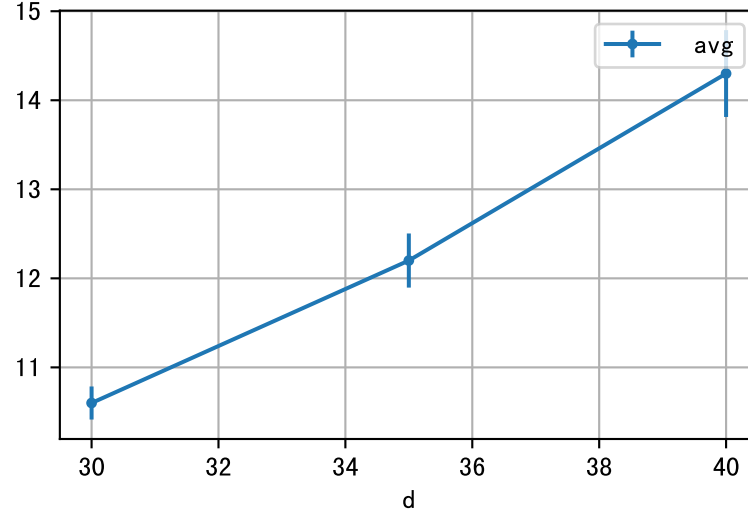
age=25



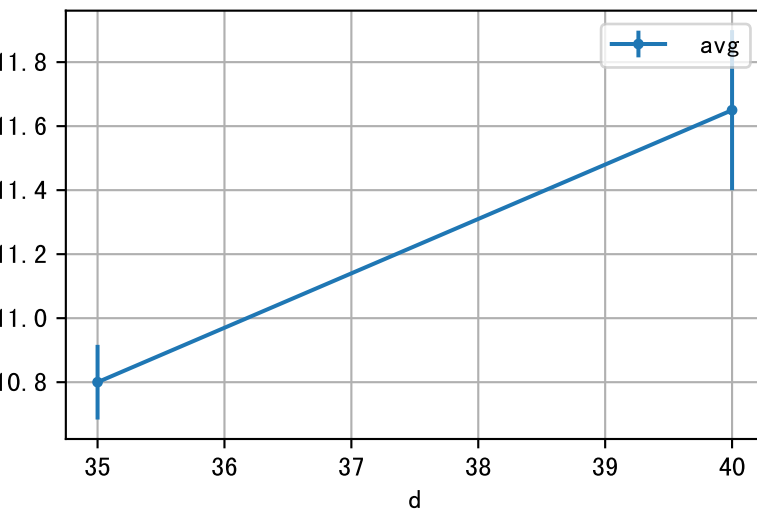
age=30



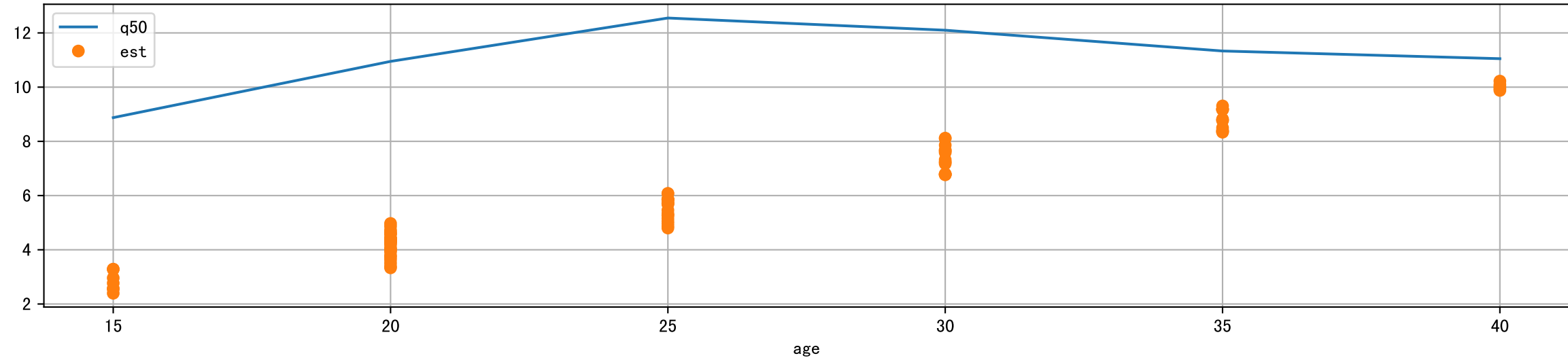
age=35



age=40

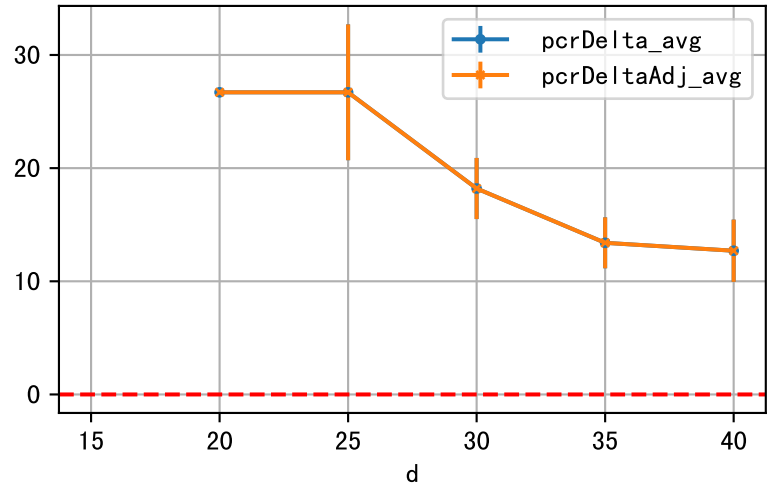
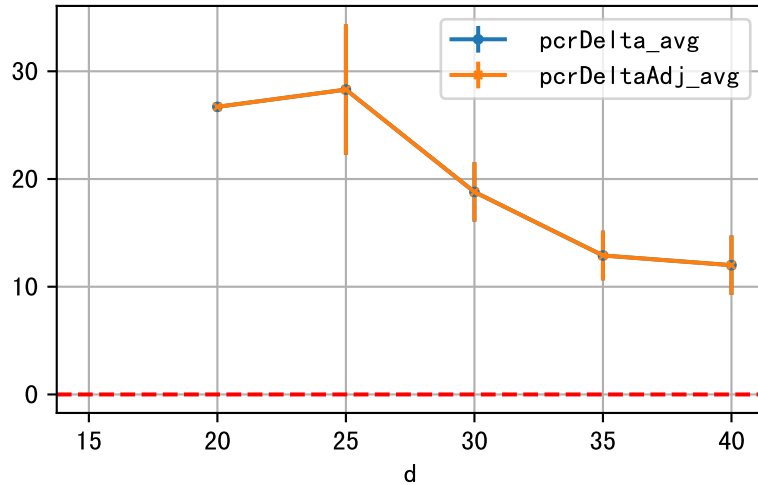
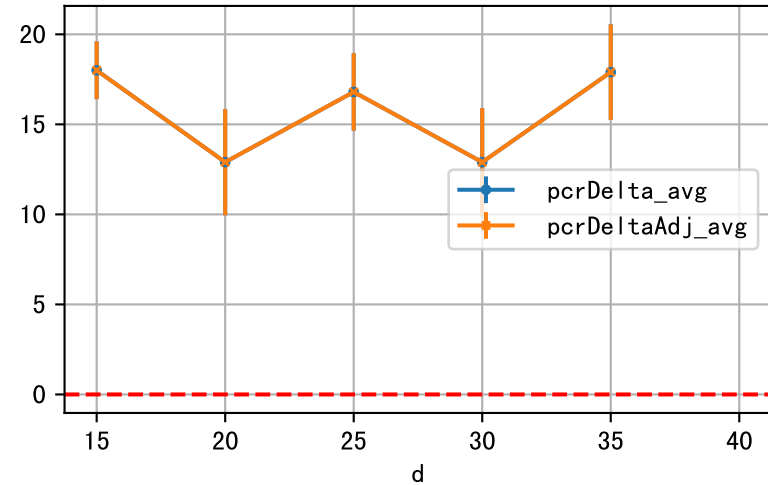


NdD: model est vs obs0v@Q50



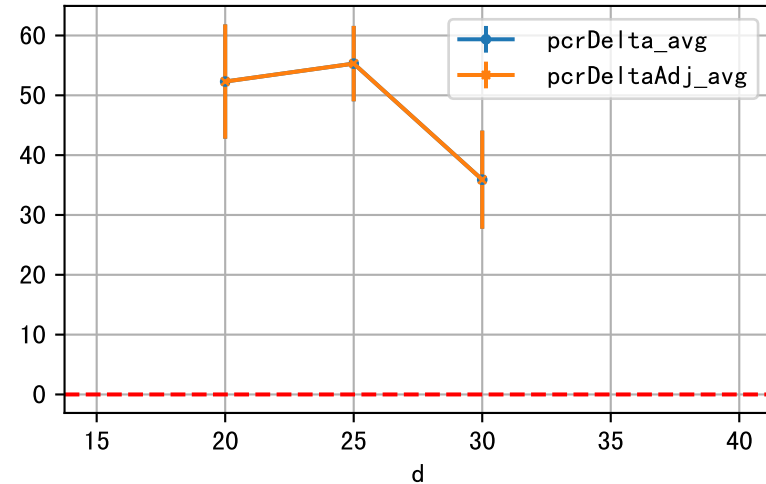
P6AE NdD: D_5d_NdD

DeltaTypeAbbr=GrpByDay

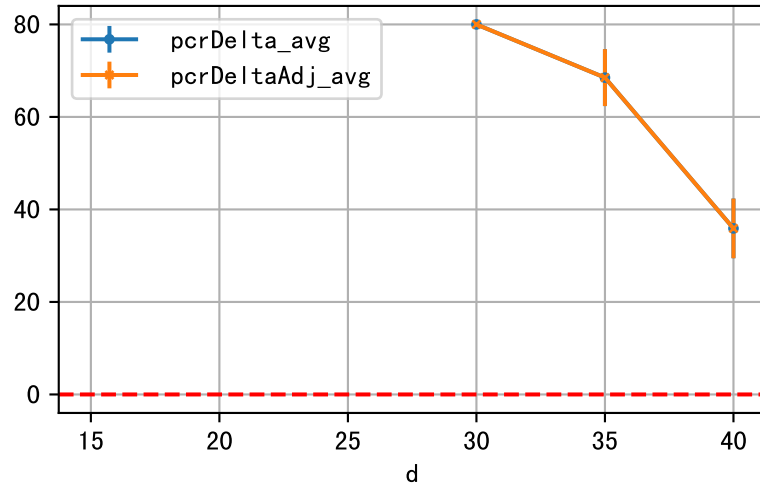


P6AE NdD: D_15d_NdD

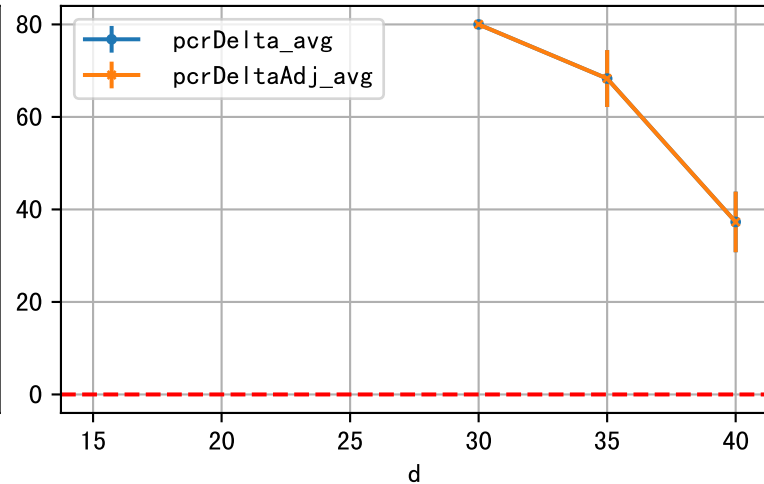
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

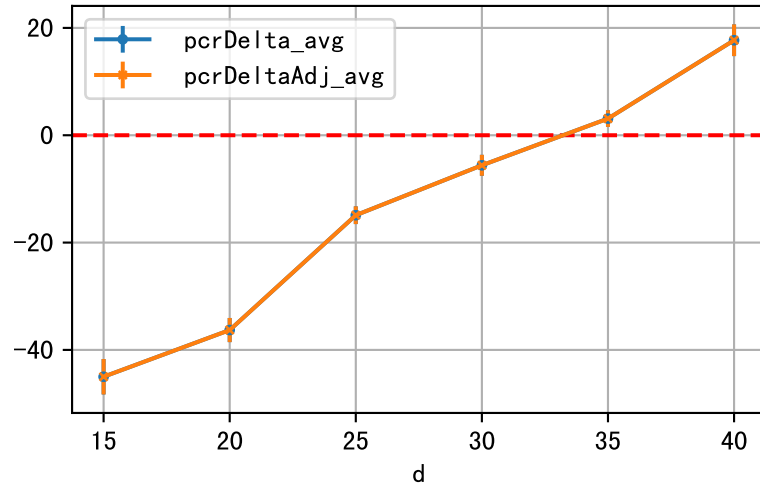


DeltaTypeAbbr=Wei AvgByD

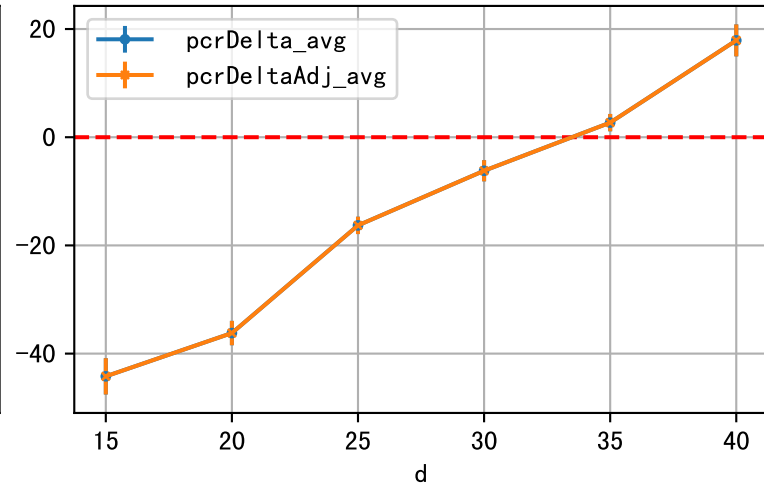


P6AE NdD: D_Q50_NdD

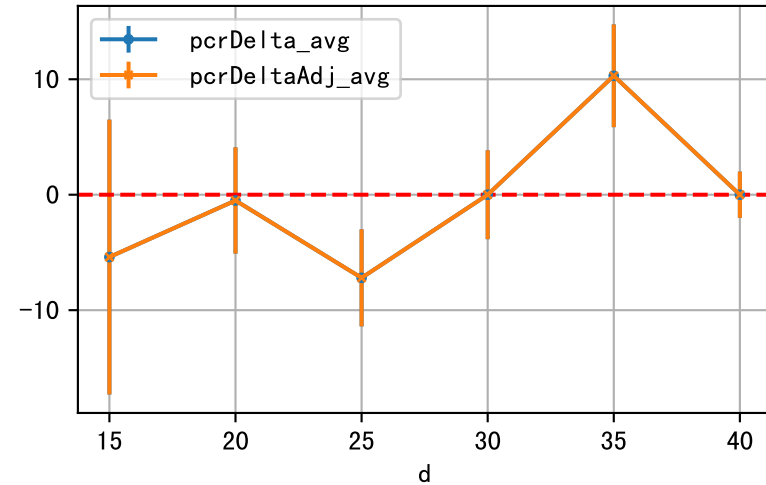
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

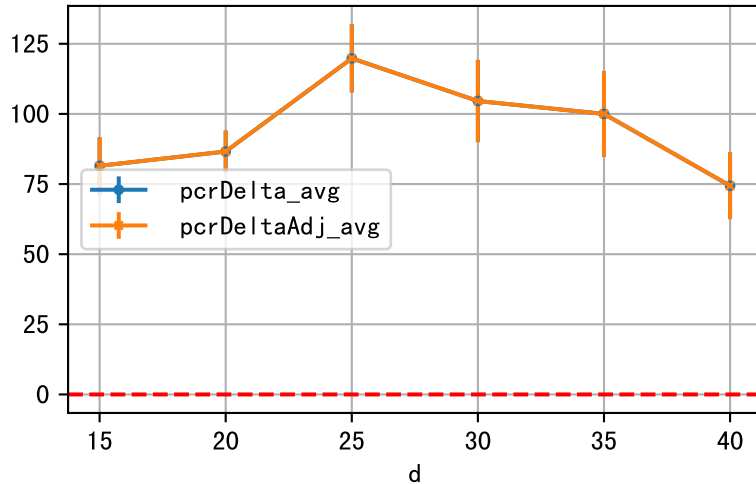


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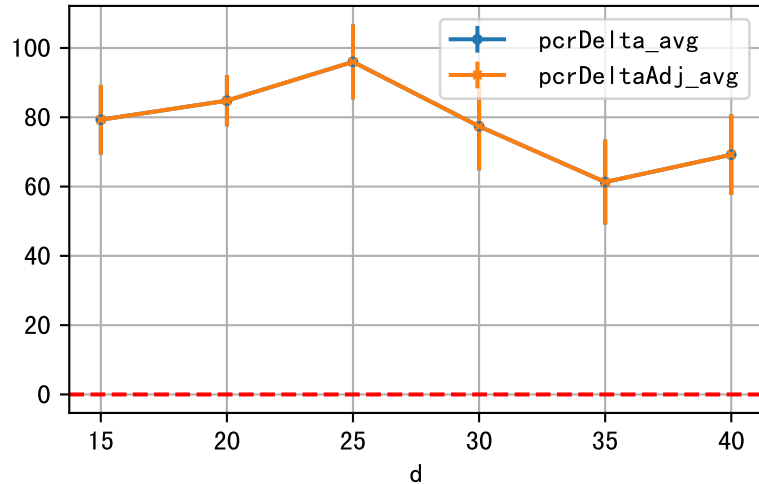


P6AE NdD: D_Est_NdD

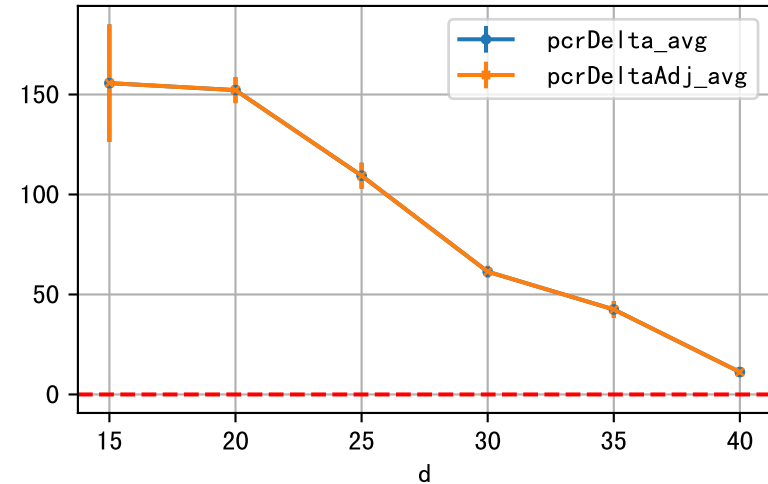
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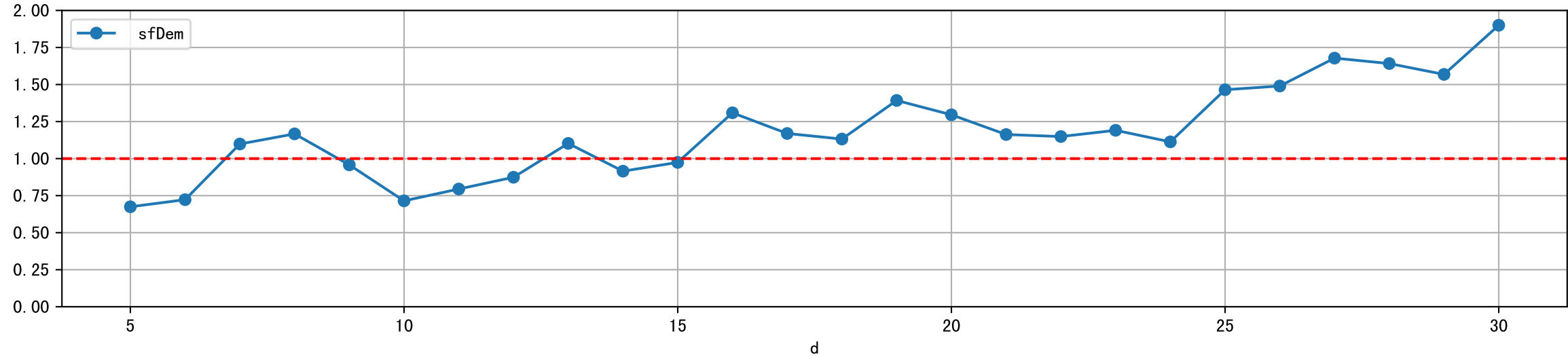
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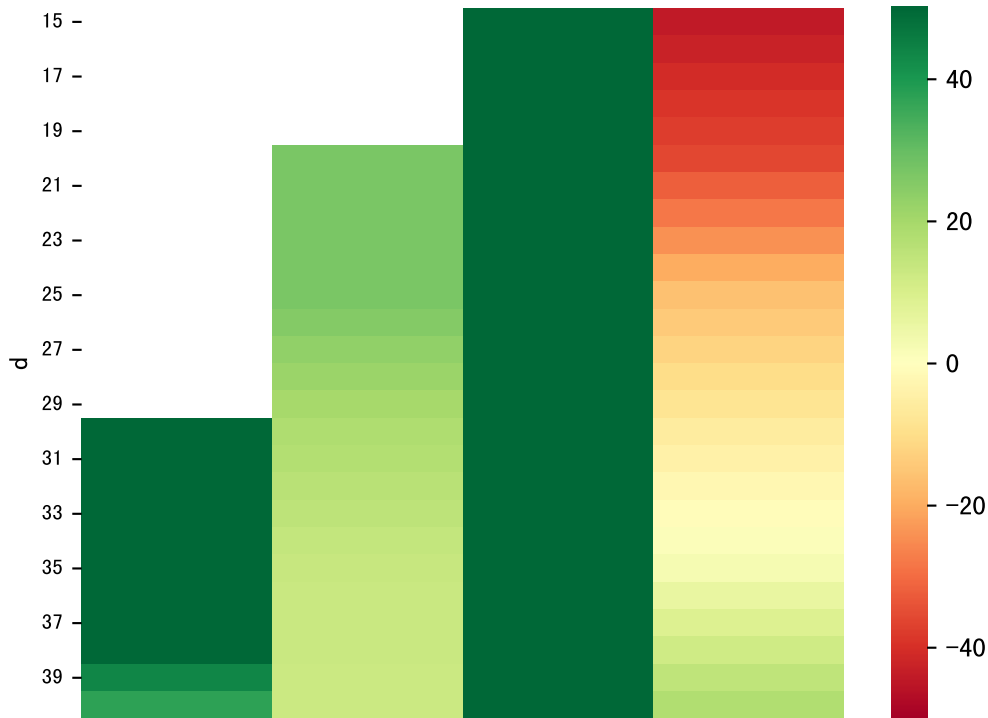


DeltaTypeAbbr=GrpByAge

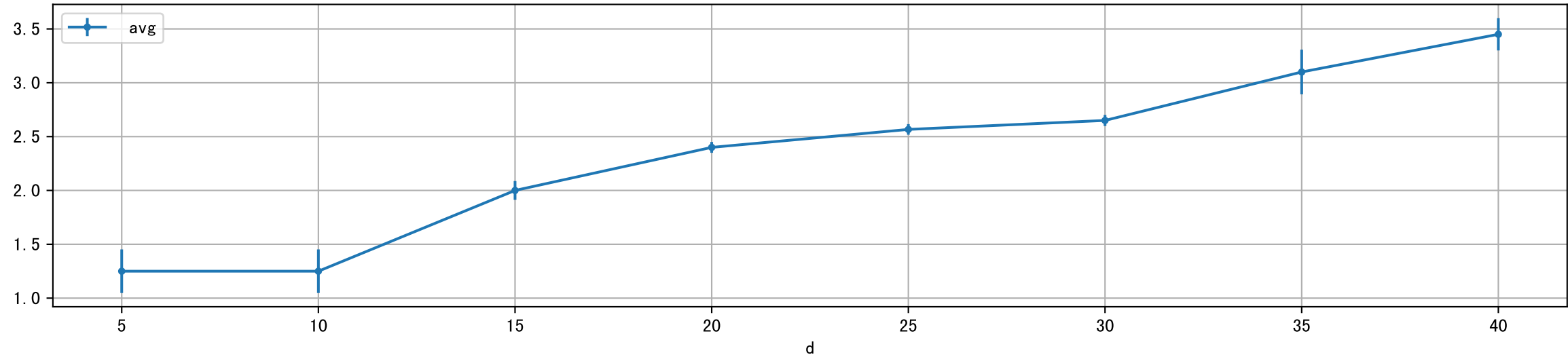


NdD: sfDem

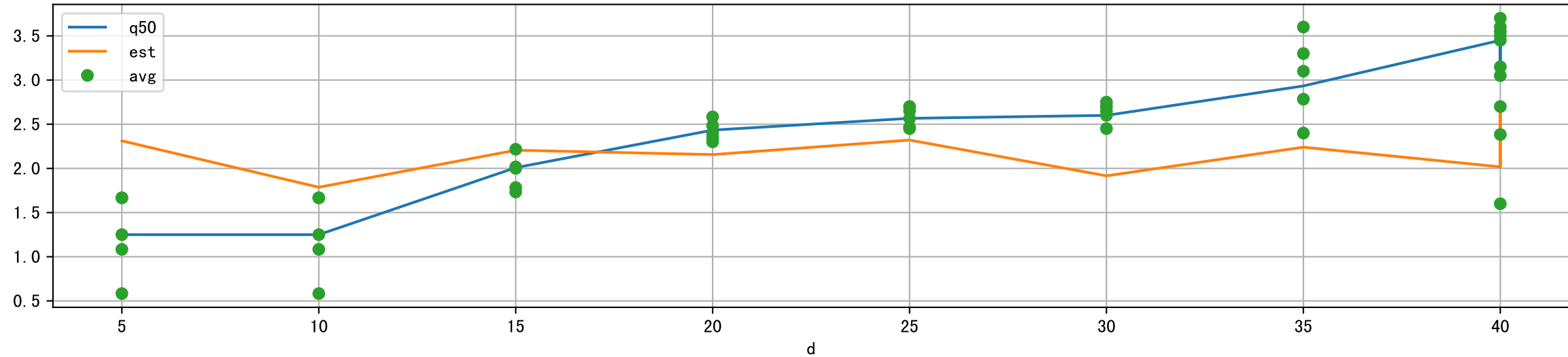




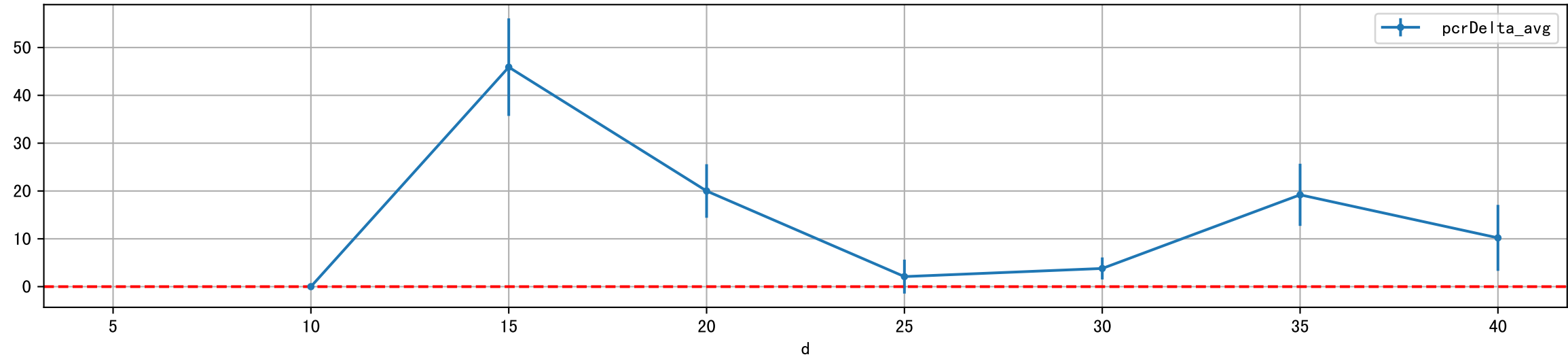
dStH: avg vs. d



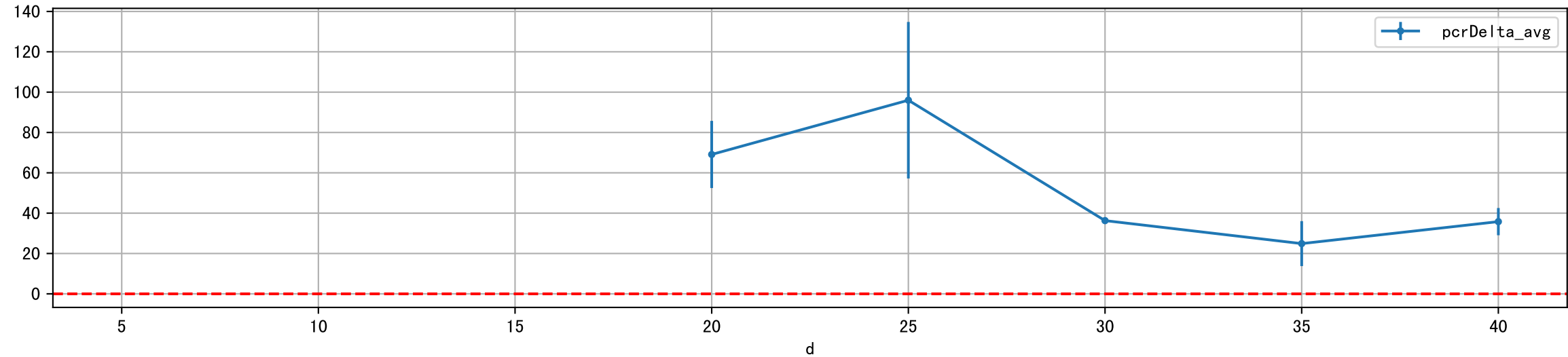
dStH: obsAvg vs obs0v@Q50



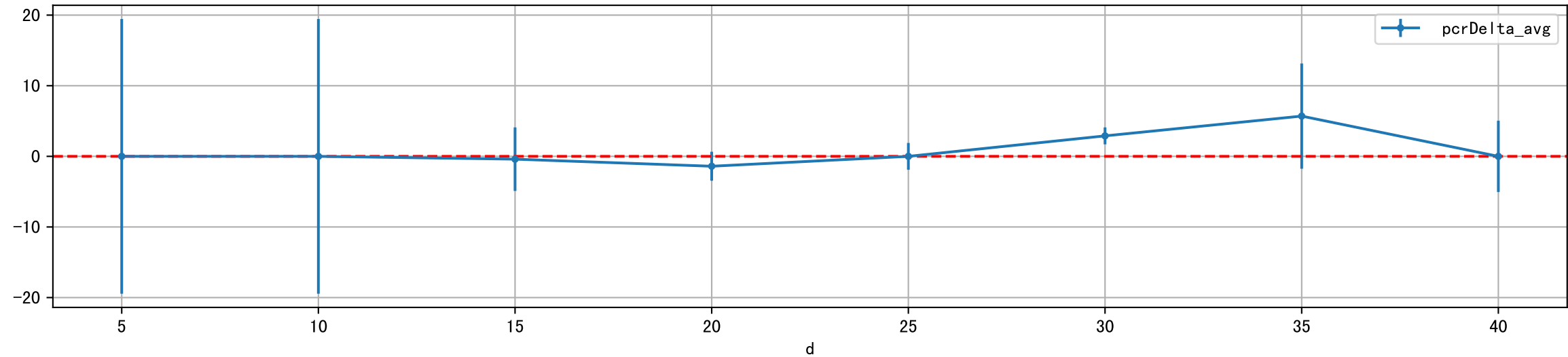
dStH: D_5d_StH



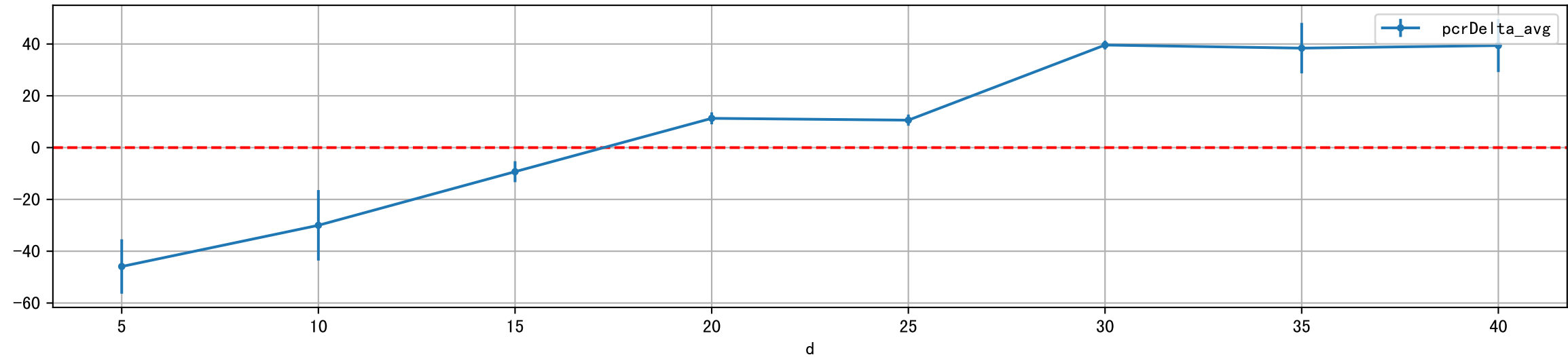
dStH: D_15d_StH



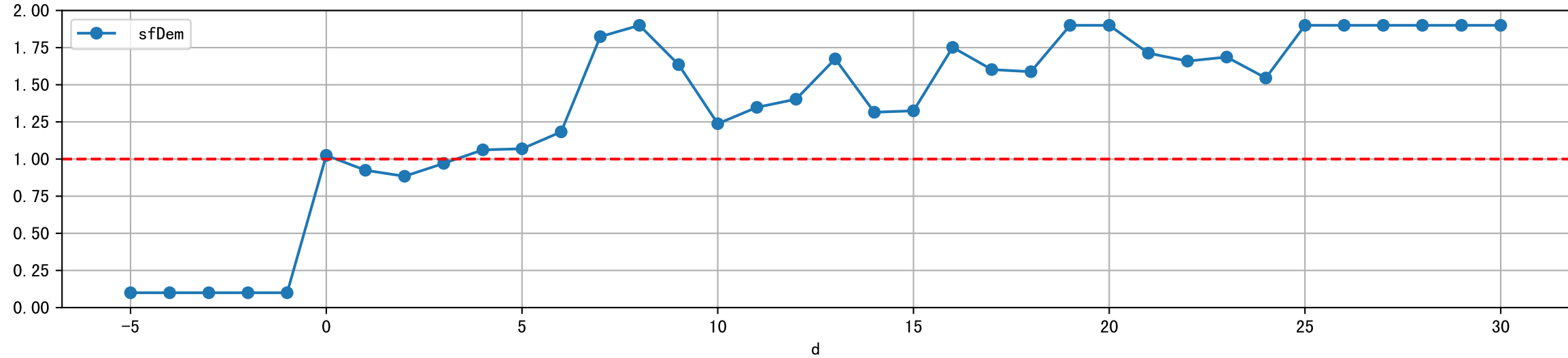
dStH: D_Q50_StH

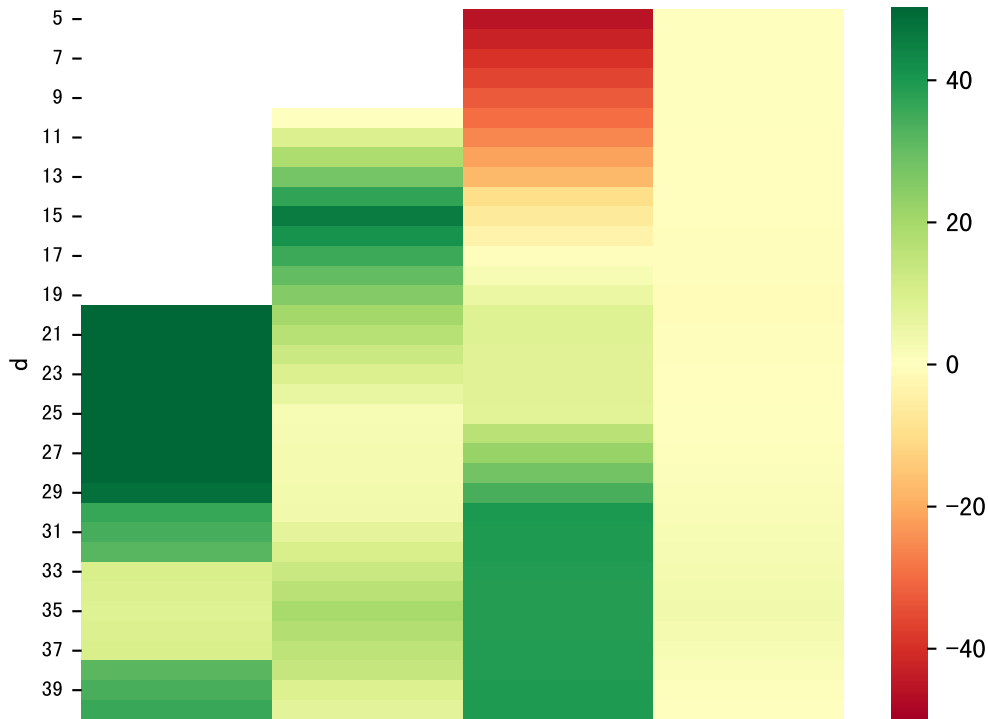


dStH: D_Est_StH



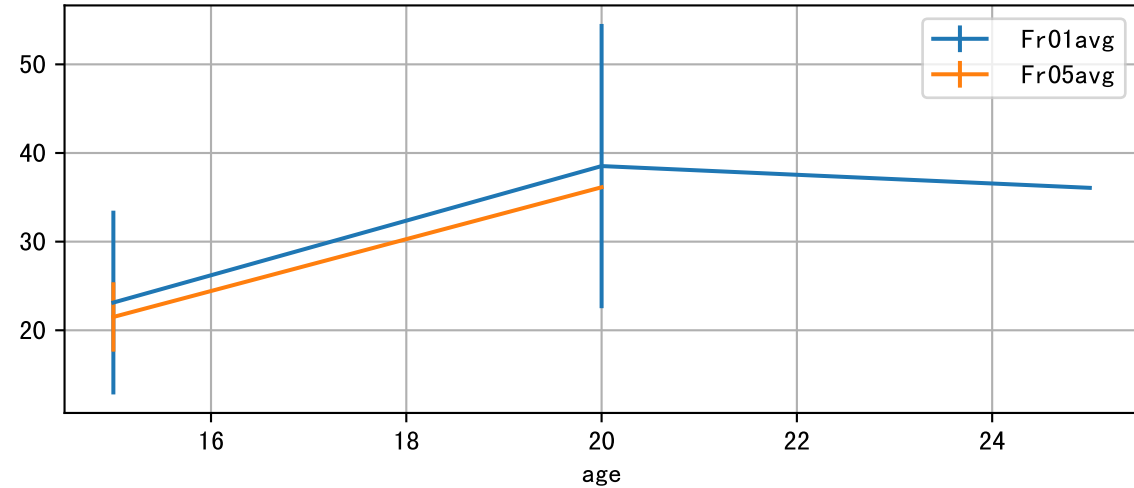
dStH: sfDem



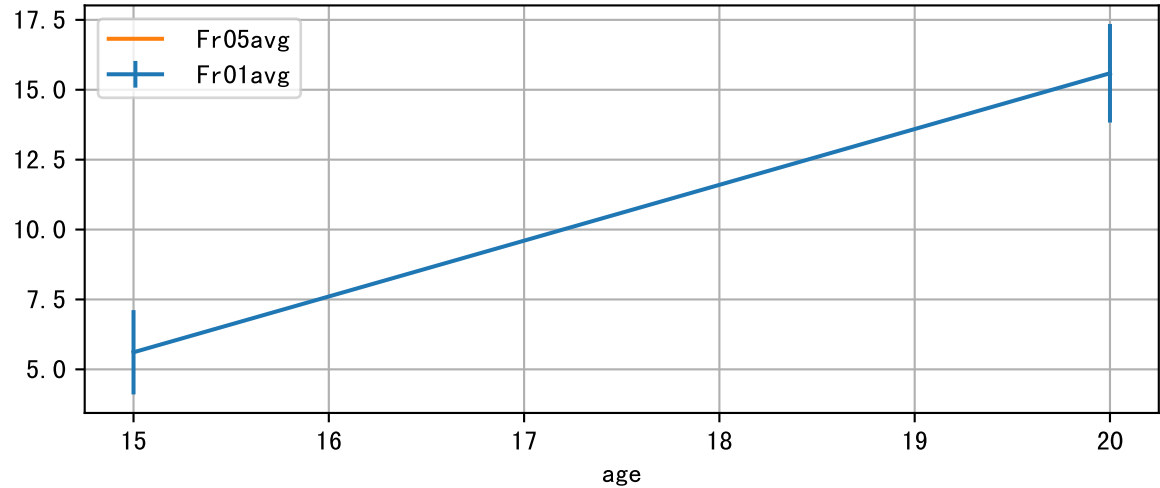


FrV: Fr01 vs Fr05 at each truss

organID=T01

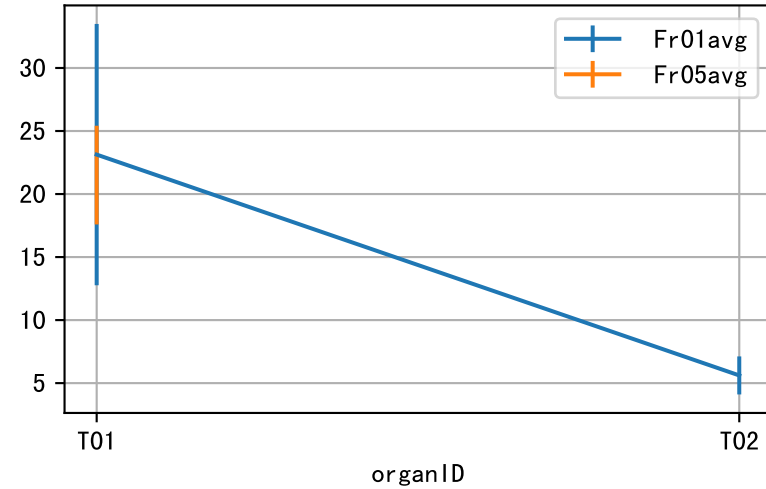


organID=T02

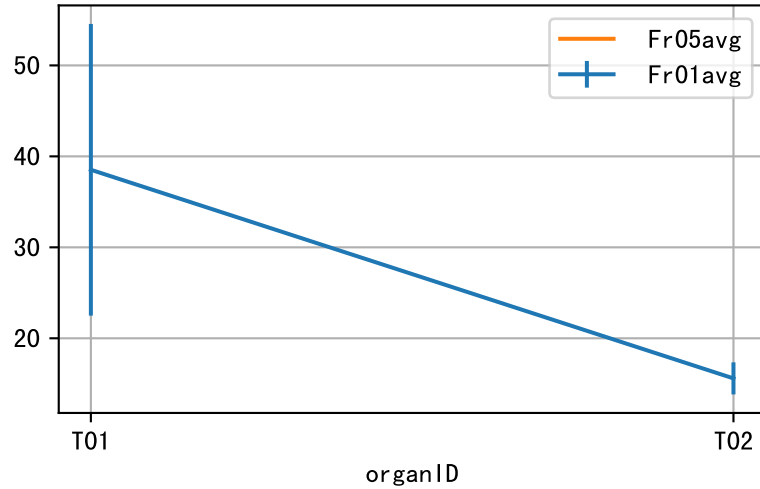


FrV trend at each age

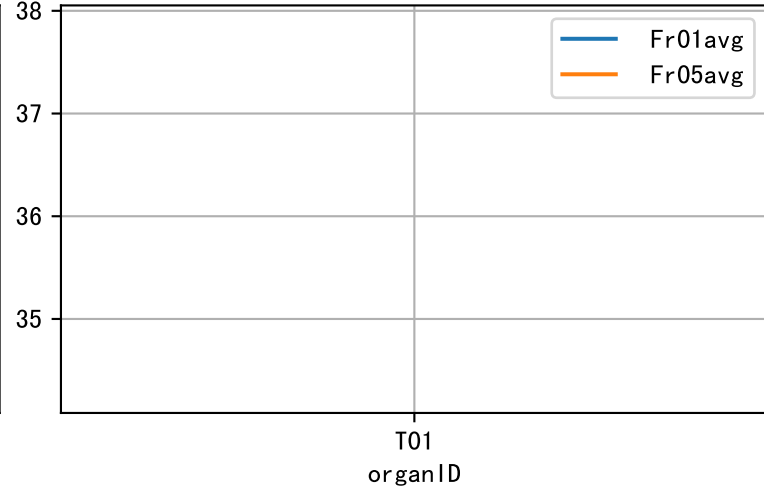
age=15



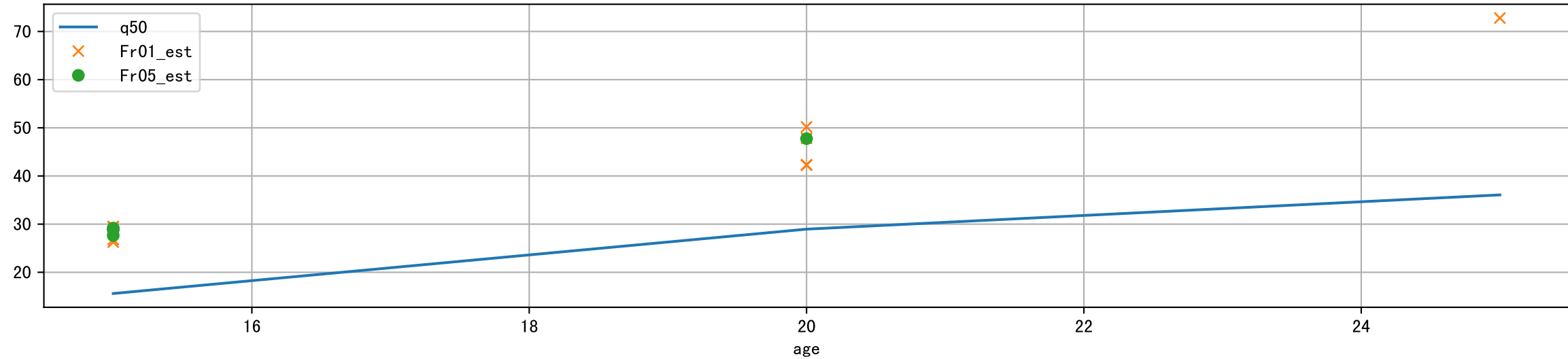
age=20



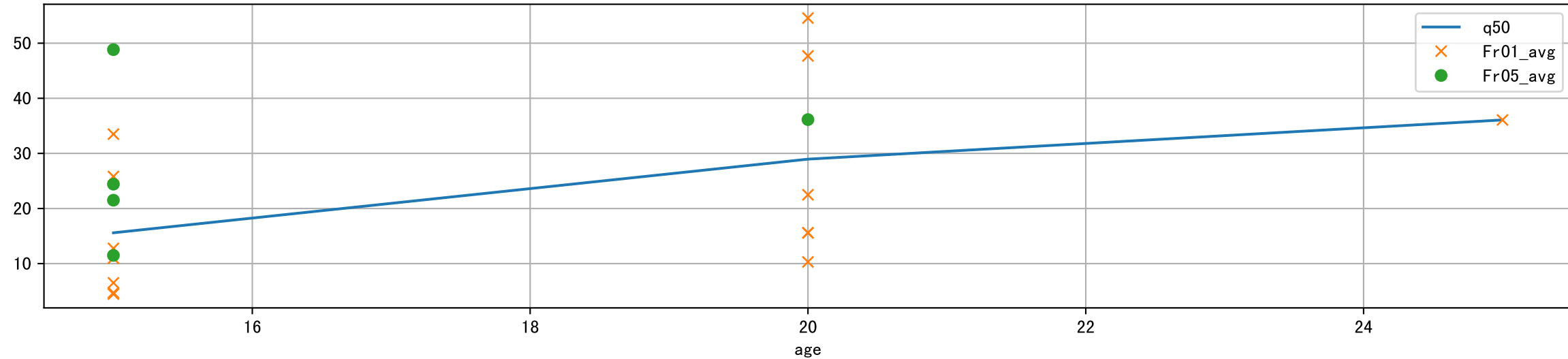
age=25



FrV: model Est vs obsFrV at Q90

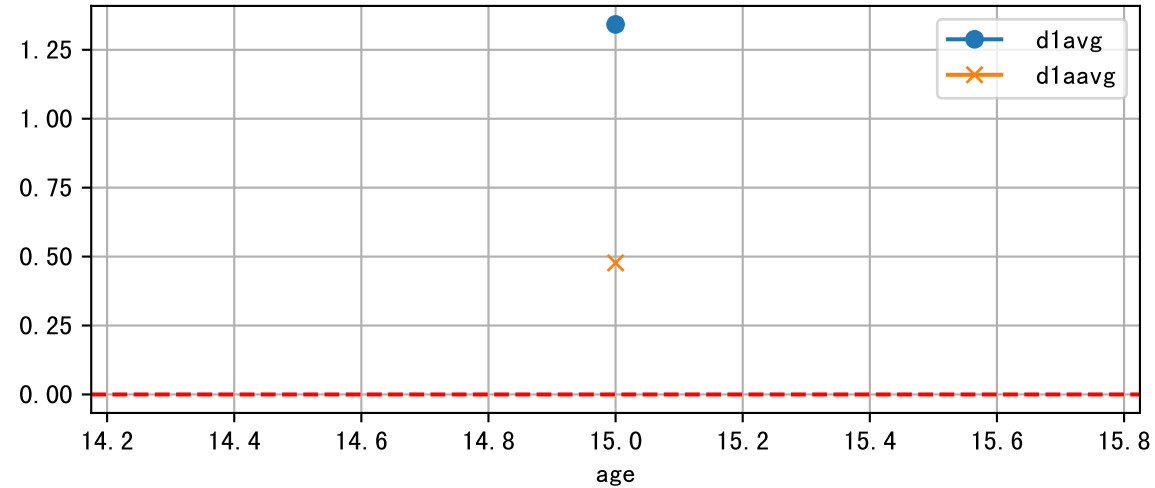


FrV: obsFrV vs obsFrV@Q90

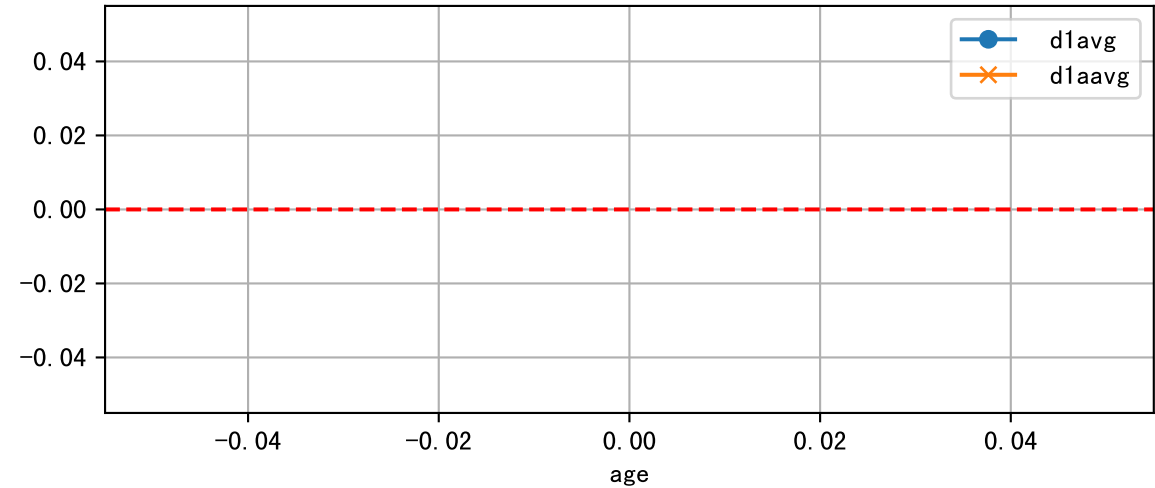


FrV: D_Fr1_FrV

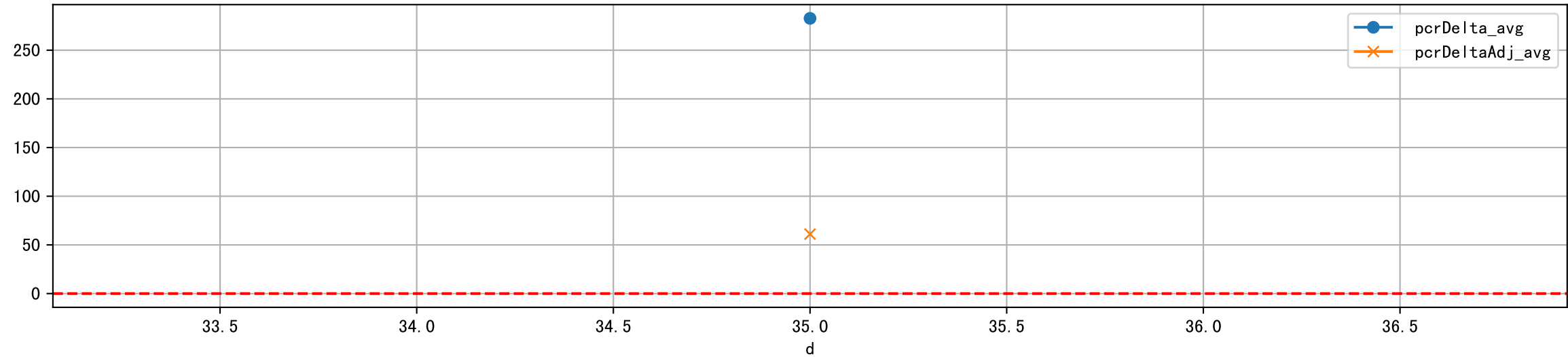
organID=1



organID=2

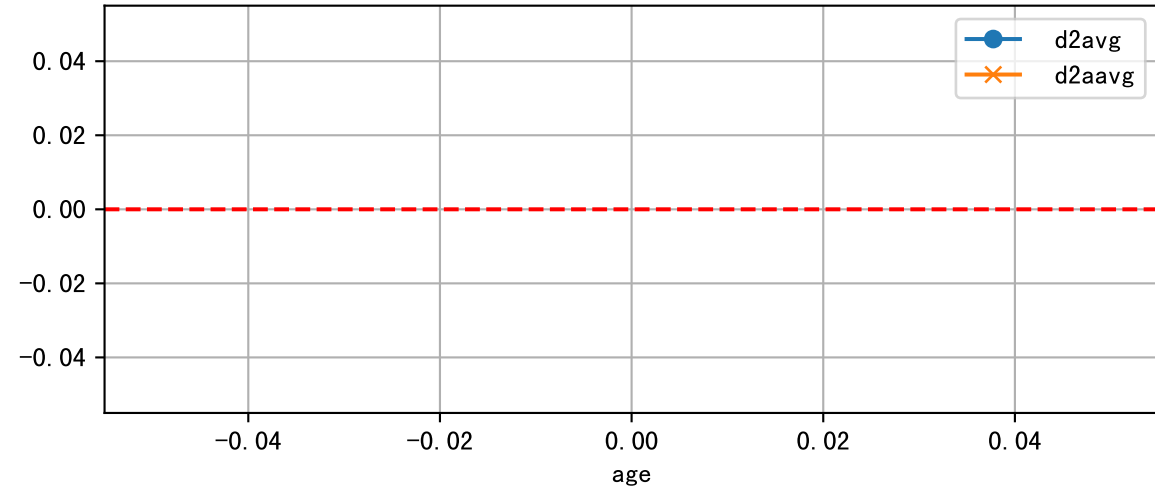


P6AE FrV: D_Fr1_FrV

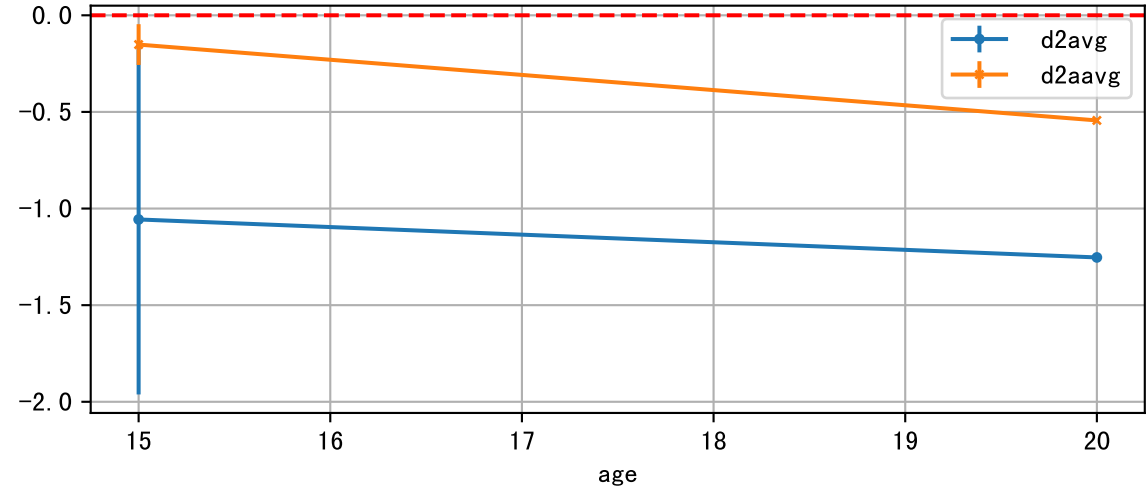


FrV: D_Ts_FrV

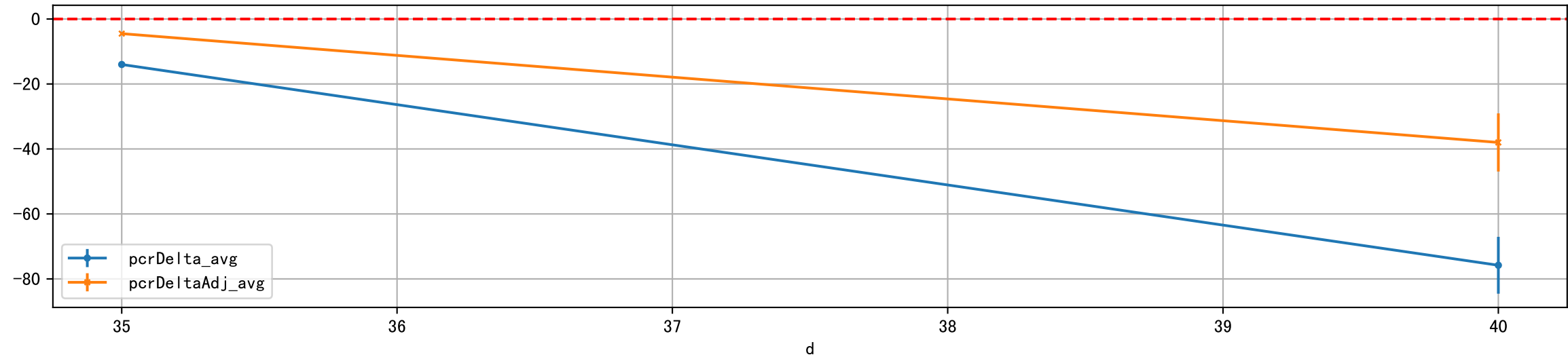
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organID=2

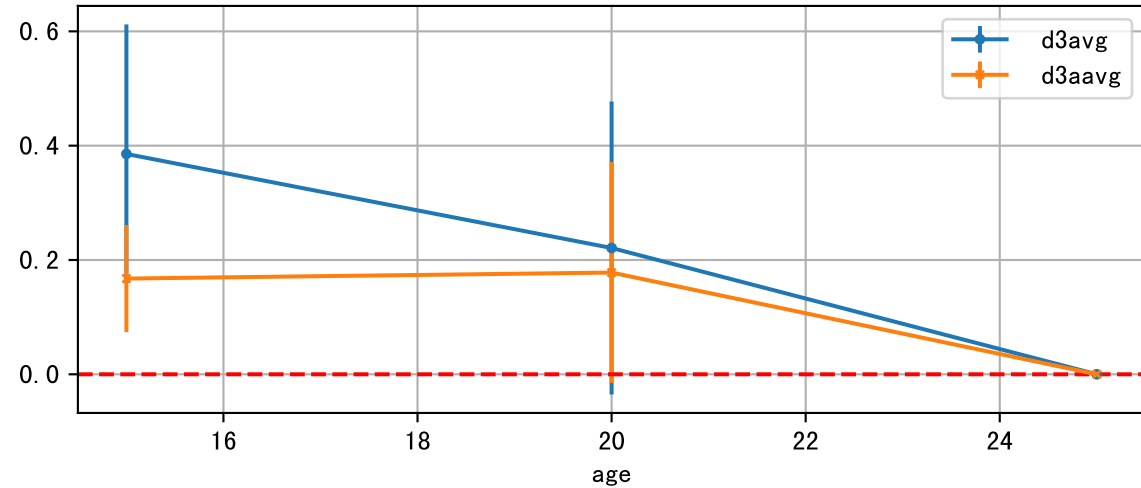


P6AE FrV: D_Ts_FrV

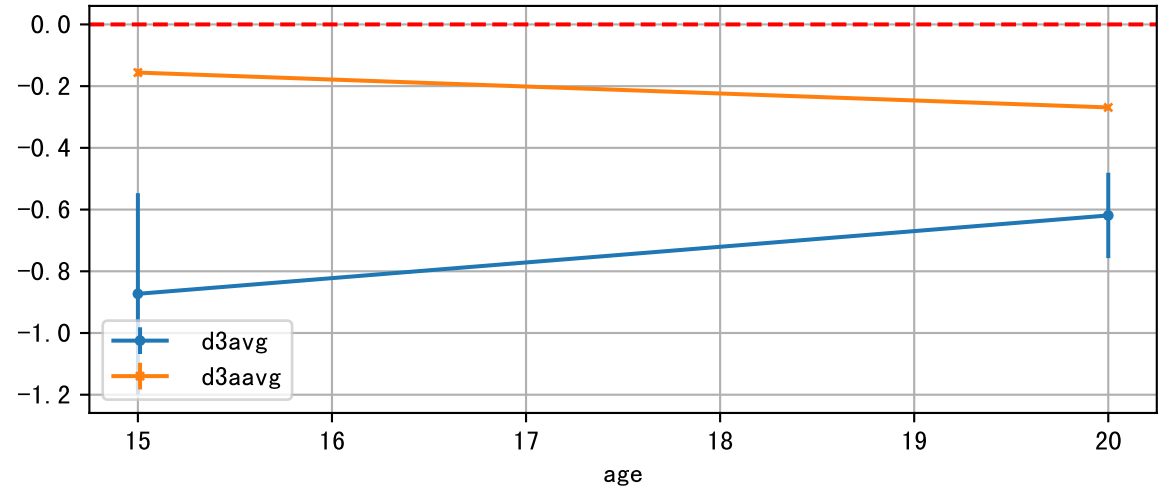


FrV: D_Q50_FrV

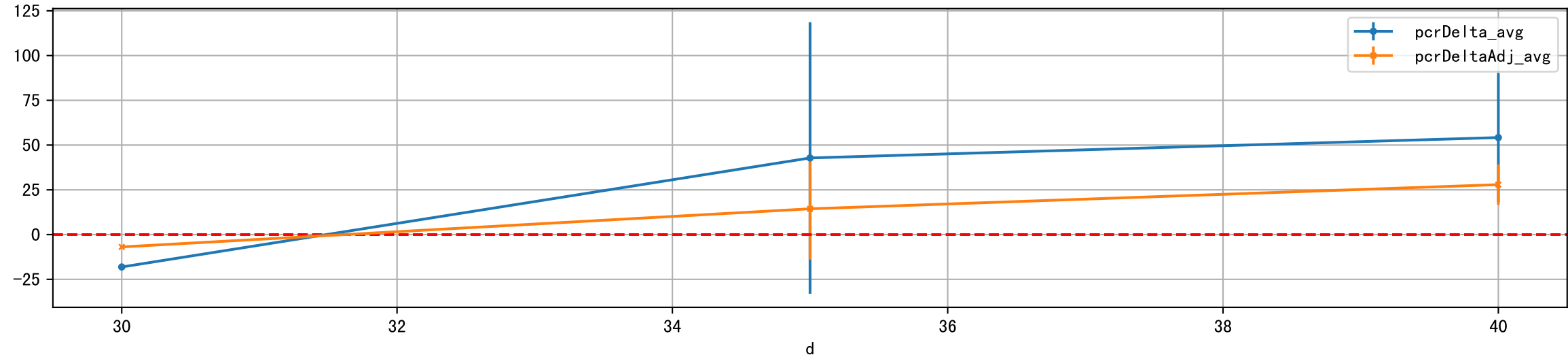
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organID=2

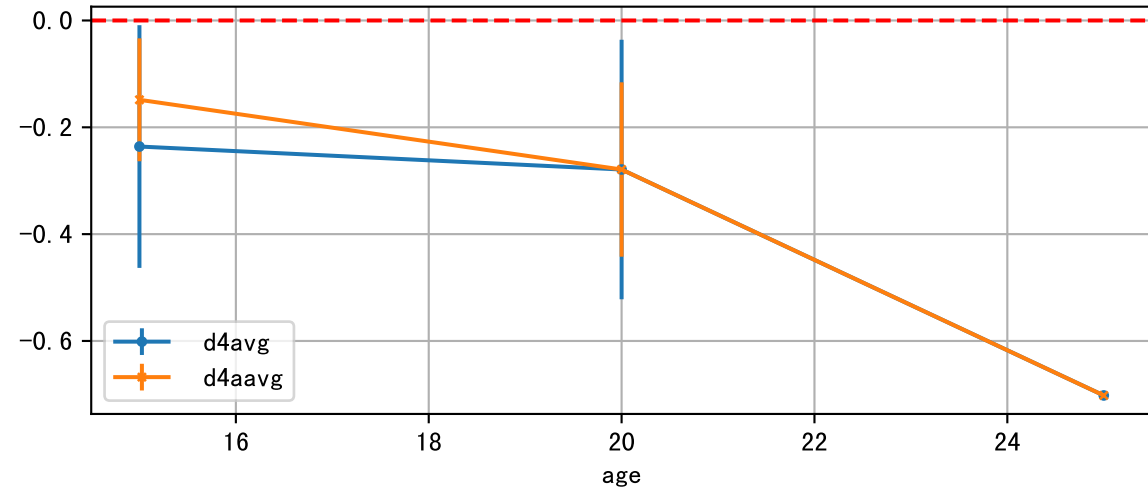


P6AE FrV: D_Q50_FrV



FrV: D_Est_FrV

organID=1



organID=2

