

Phenotype Data Analysis Plots

PhenoData day range = 5 – 38

Analysis cutoff day = 38

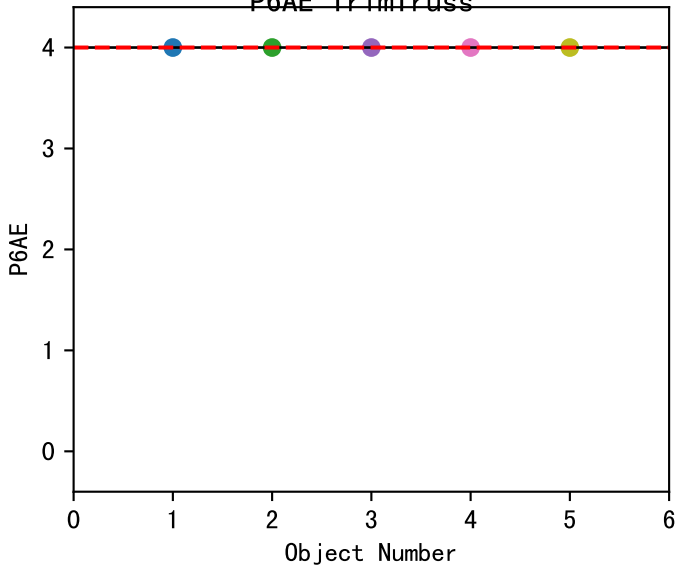
NC11 P6

2025-05-14 (Day 39)

TrussNodeMaxPerStem (Def=4.0 Set=4)

avg1=4.0~0% avg2=na

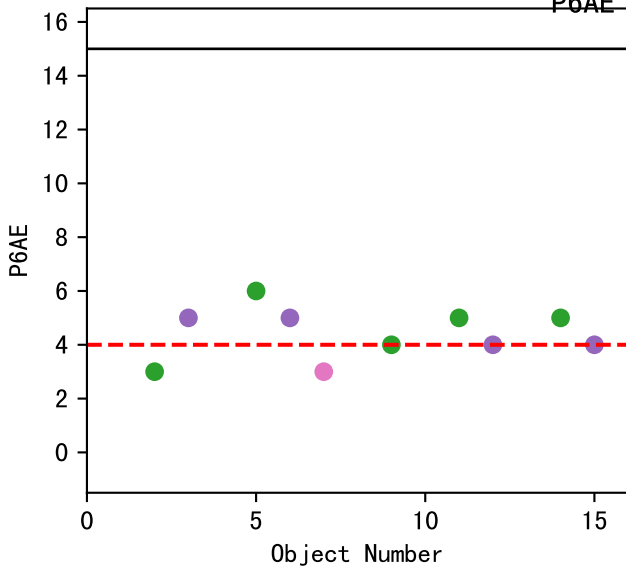
P6AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=4)

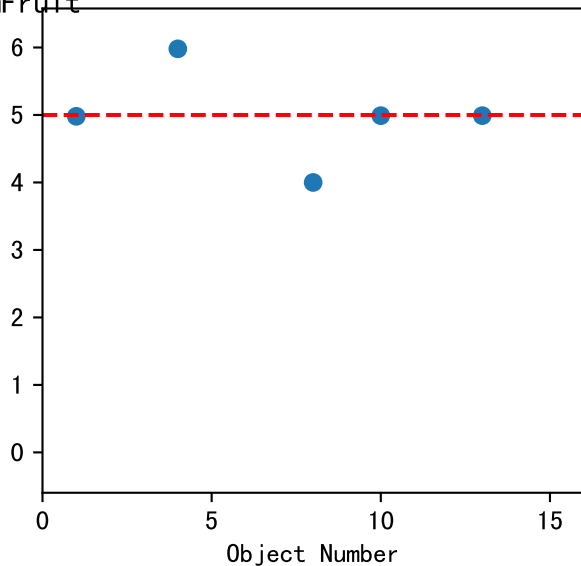
avg1=4.0~21% avg2=na

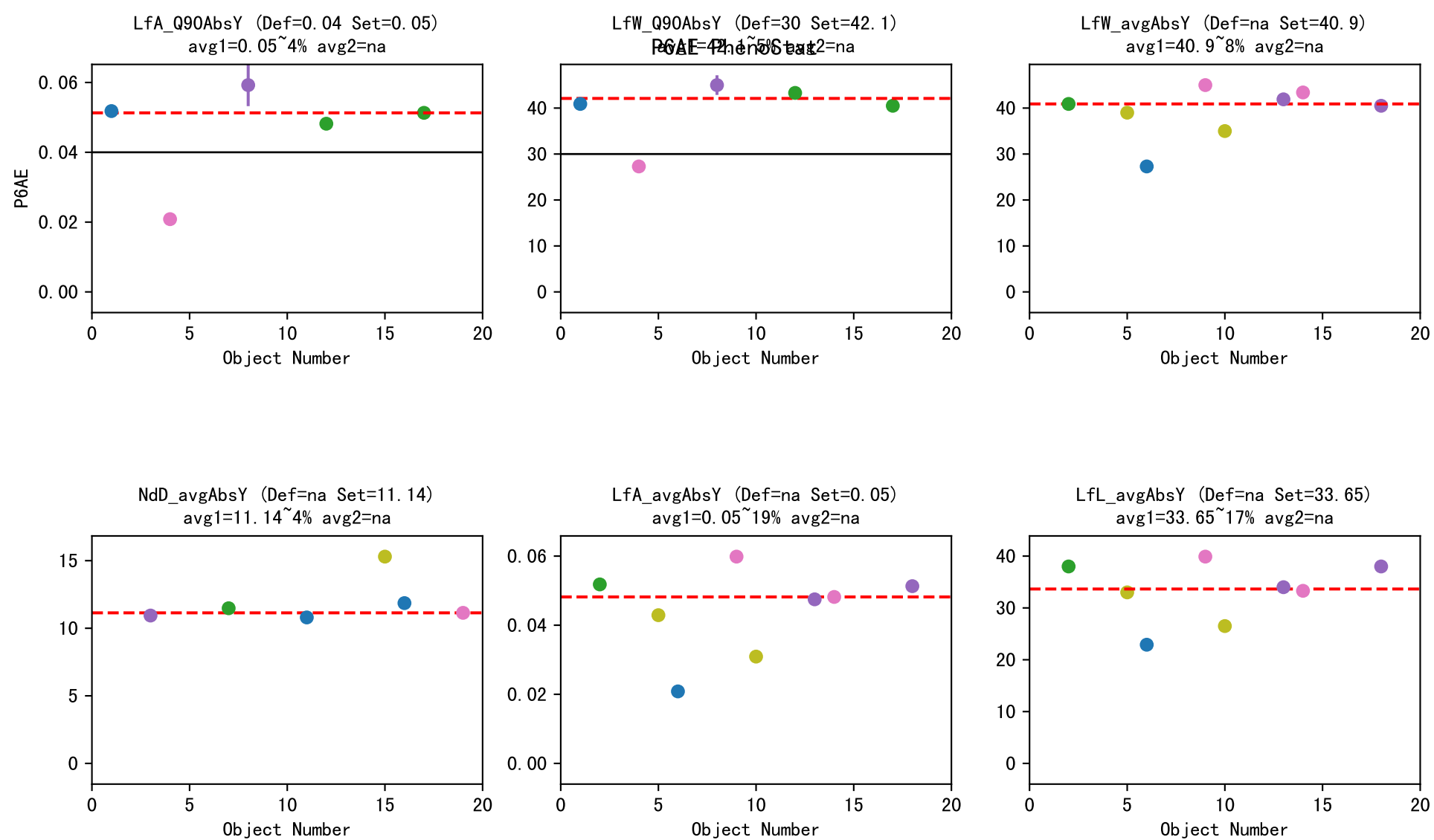
P6AE TrimFruit



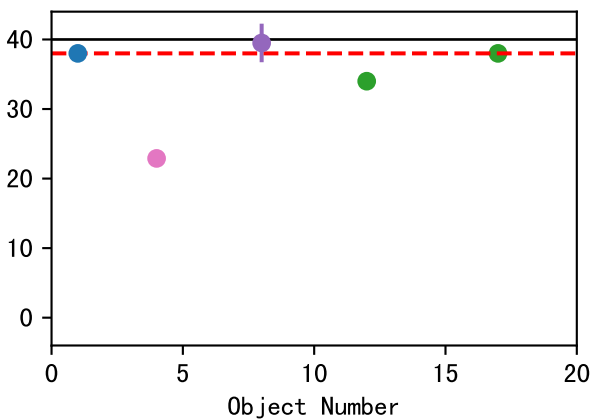
FruitNumMaxPerTruss (Def=na Set=5)

avg1=5.0~0% avg2=na

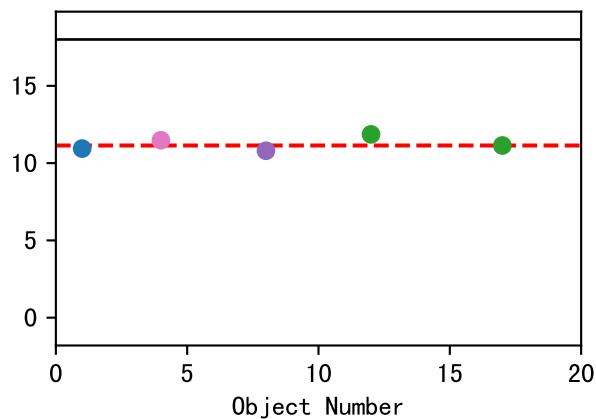




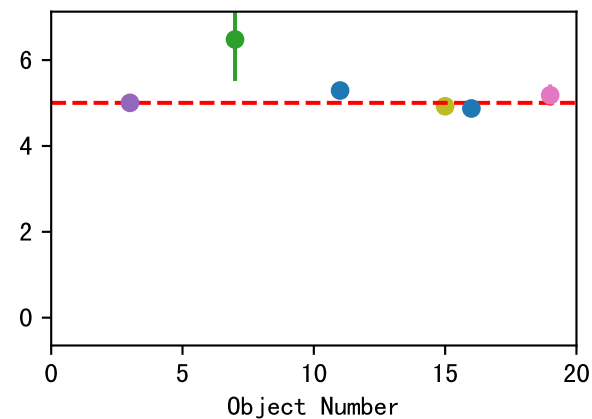
LfL_Q90AbsY (Def=40 Set=38.0)
avg1=38.0~6% avg2=na



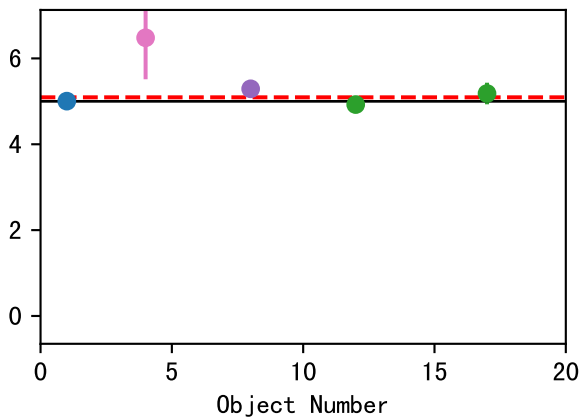
NdD_Q90AbsY (Def=18 Set=11.14)
avg1=11.14~18% avg2=na



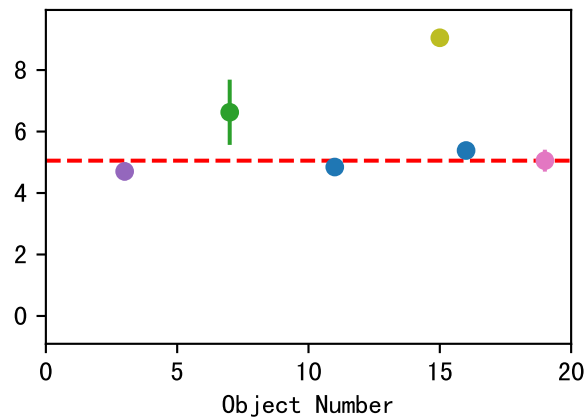
NdL_avgAbsY (Def=na Set=5.0)
avg1=5.0~4% avg2=na



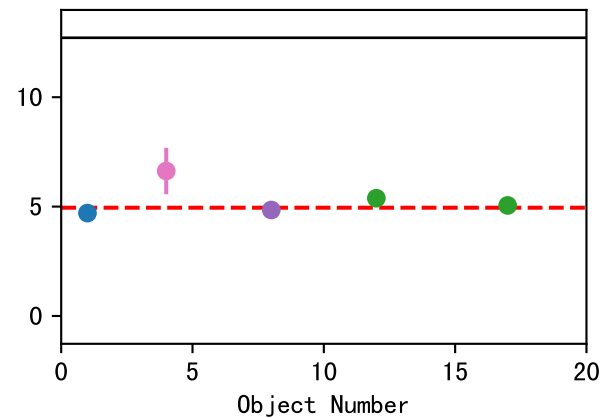
NdL_Q90AbsY (Def=5 Set=5.09)
avg1=5.09~3% avg2=na



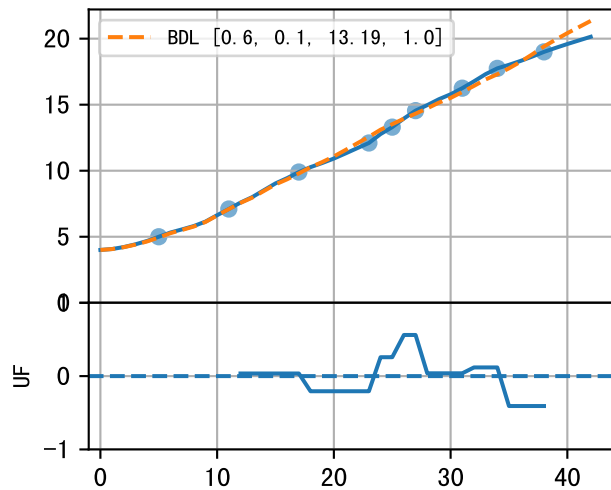
NdV_avgAbsY (Def=na Set=5.05)
avg1=5.05~15% avg2=na



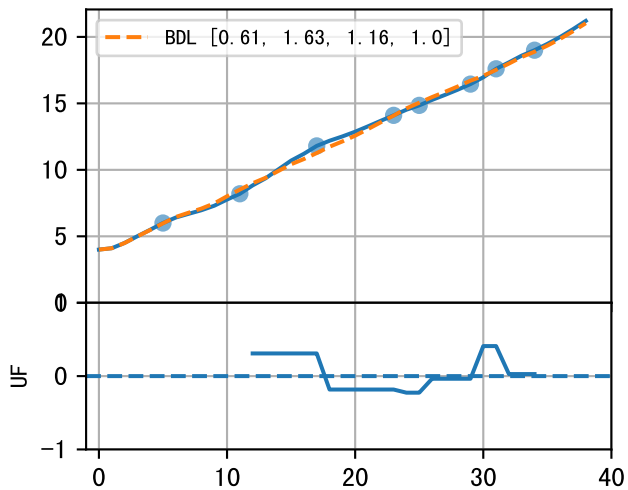
NdV_Q90AbsY (Def=12.72 Set=6.33)
avg1=4.95~6% avg2=na



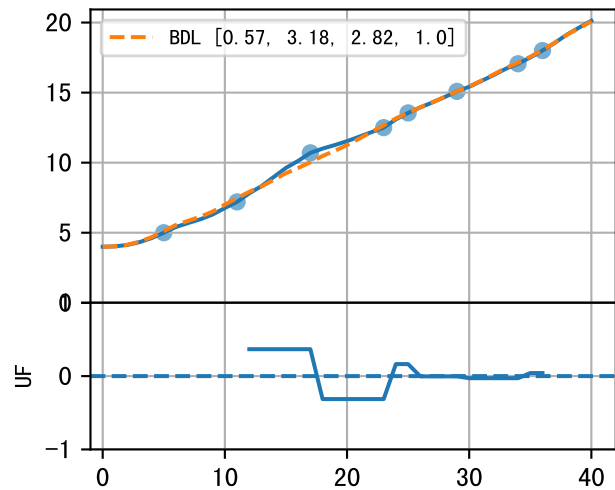
P6AE-007-10 (fit failed)



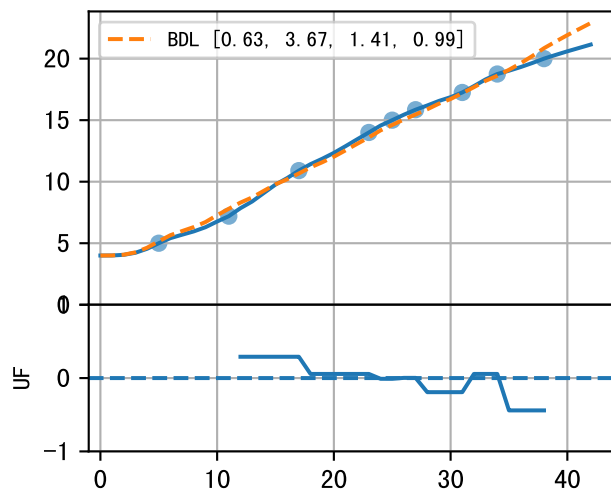
P6AE-014-10 (fit failed)



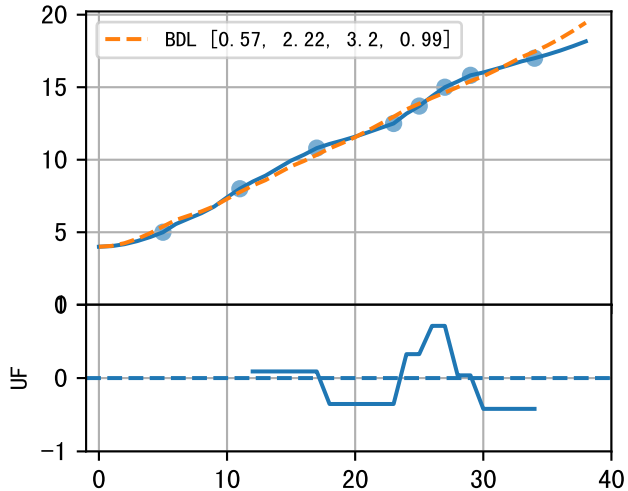
P6AE-026-25 (fit failed)



P6AE-033-4 (fit failed)

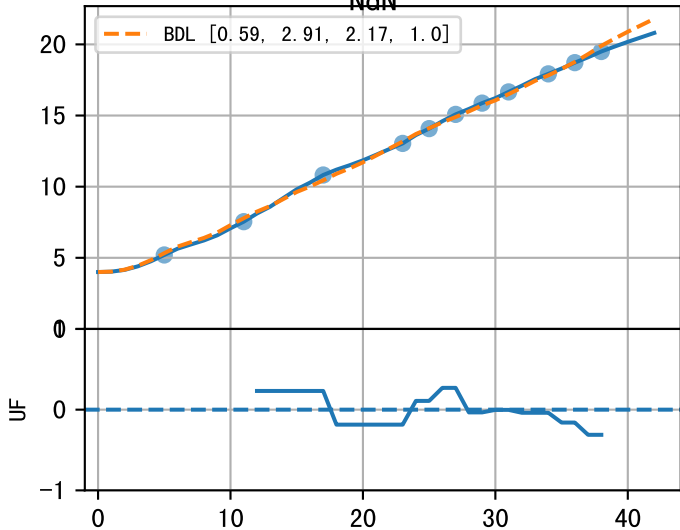


P6AE-045-12 (fit failed)

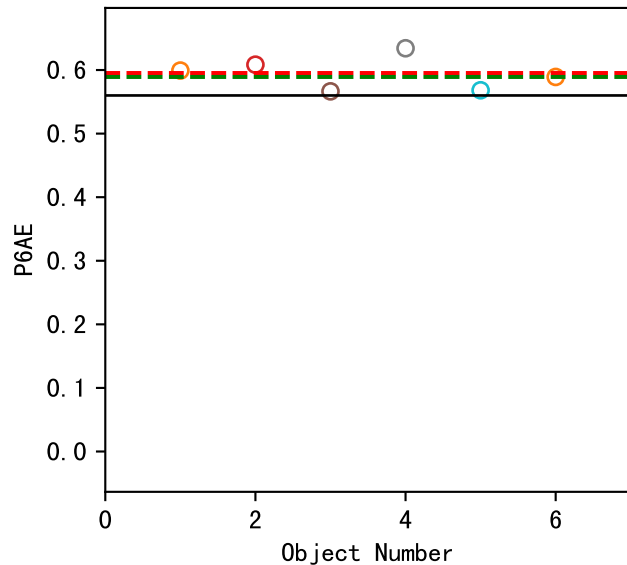


P6AEavg (fit failed)

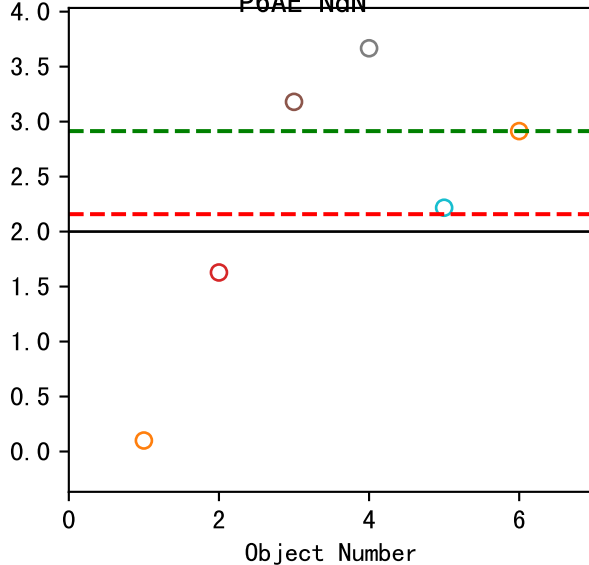
NdN



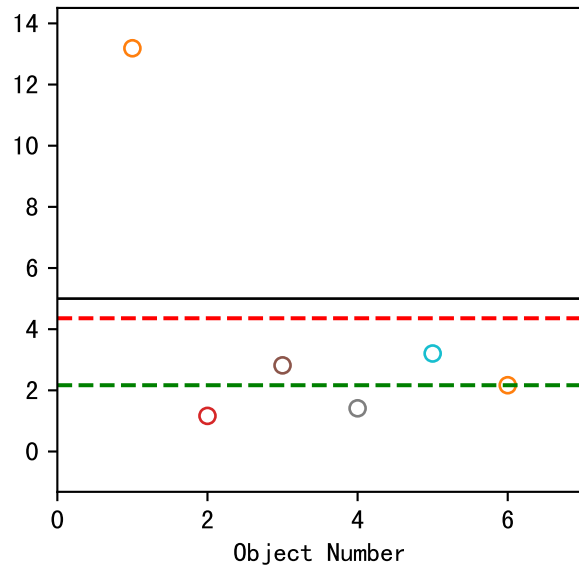
a (Def=0.56 Set=0.59)
avg1=0.6(fail) avg2=0.59



dm (Def=2 Set=2.91)
avg1=2.16(fail) avg2=2.91



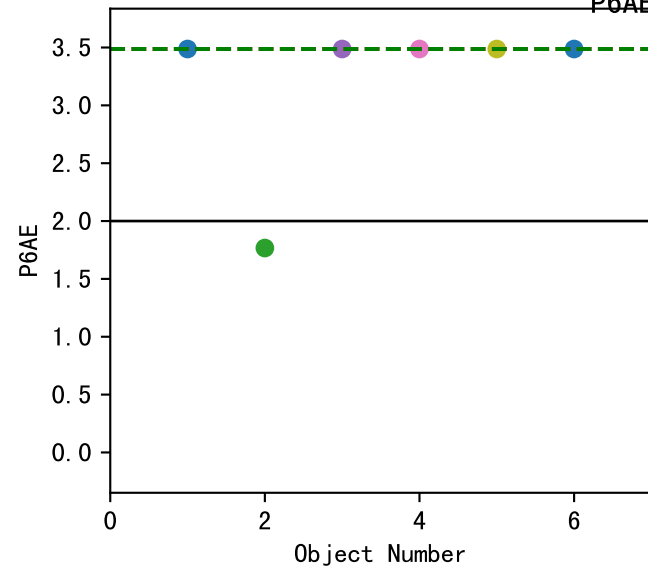
de (Def=5 Set=2.17)
avg1=4.36(fail) avg2=2.17



InitDev_dm (Def=2 Set=3.49)

avg1=3.49~0% avg2=3.49

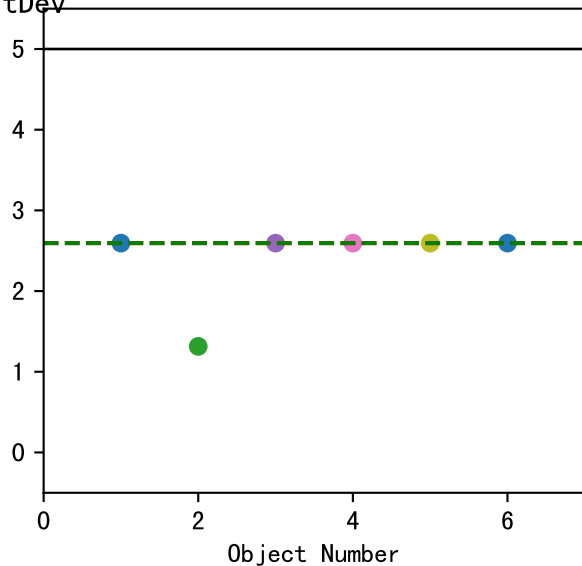
P6AE



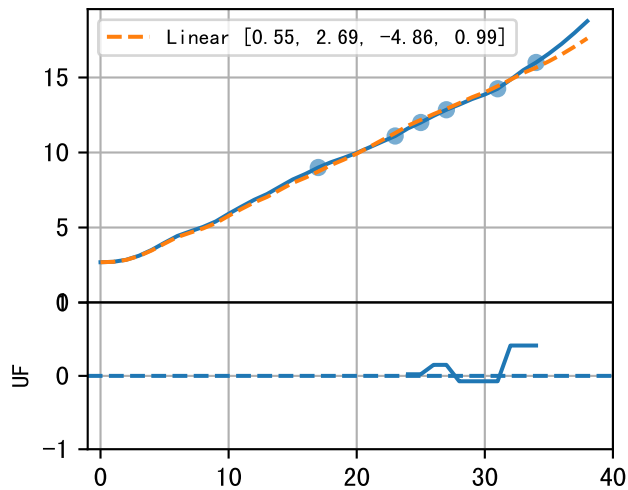
InitDev_de (Def=5 Set=2.59)

avg1=2.59~0% avg2=2.59

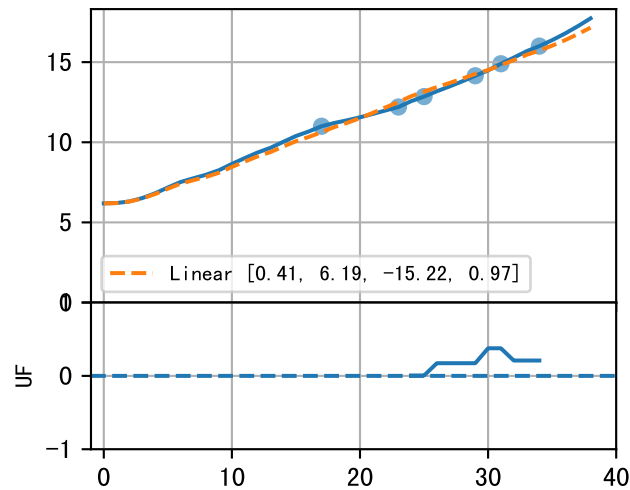
InitDev



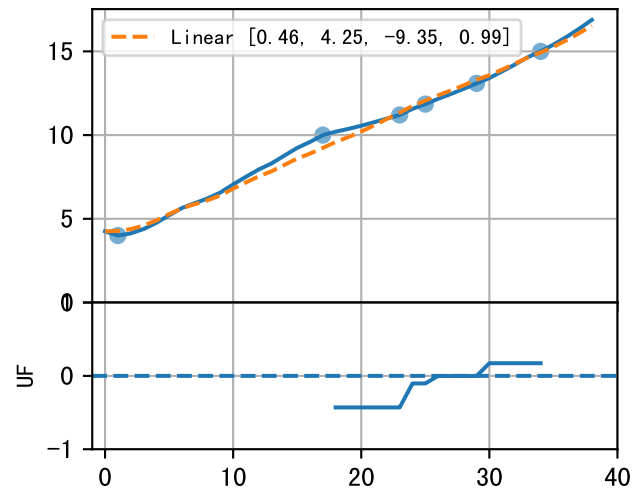
P6AE-007-10



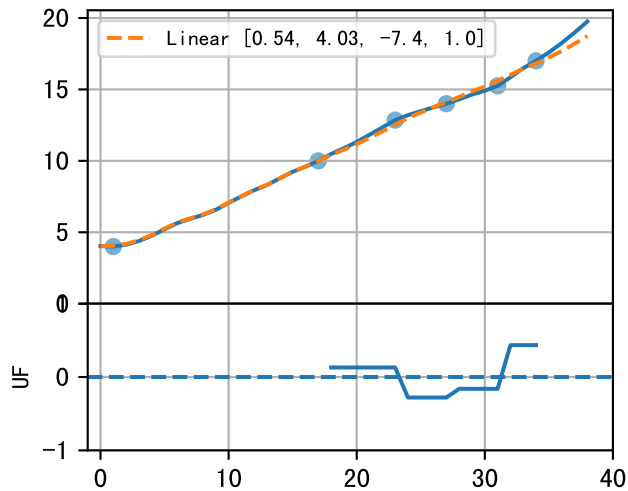
P6AE-014-17



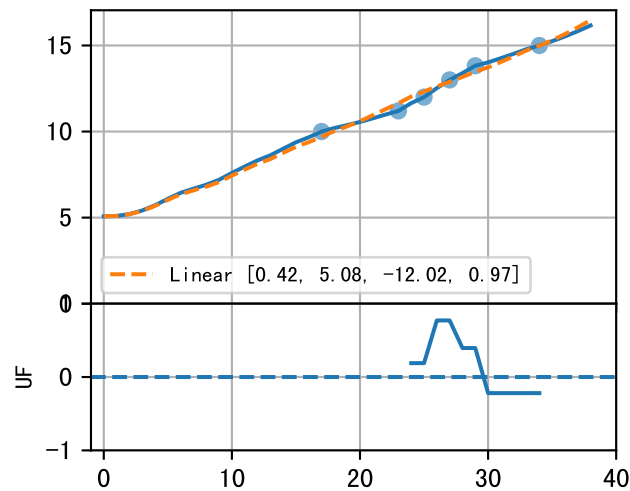
P6AE-026-25



P6AE-033-4



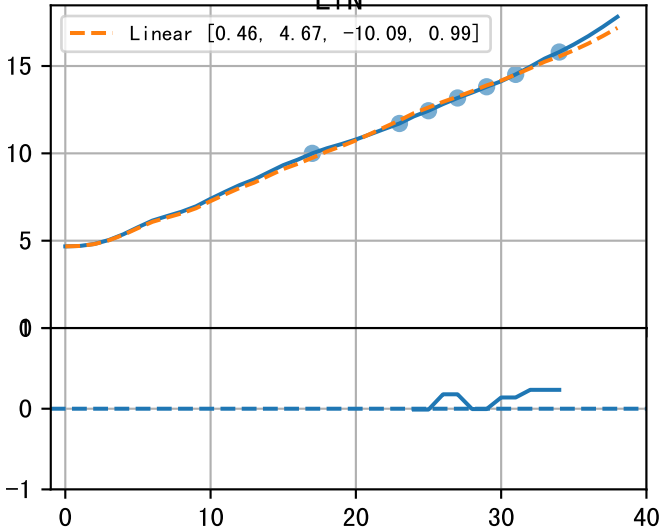
P6AE-045-12

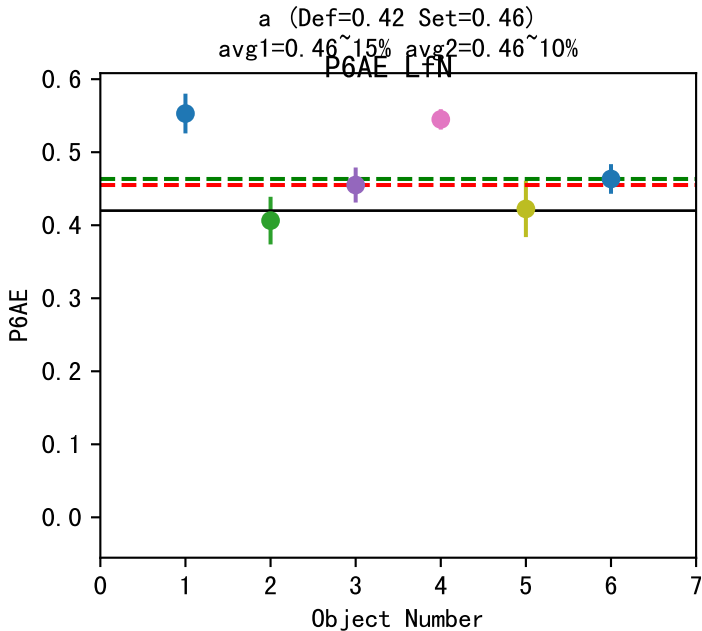


P6AEavg
Lfn

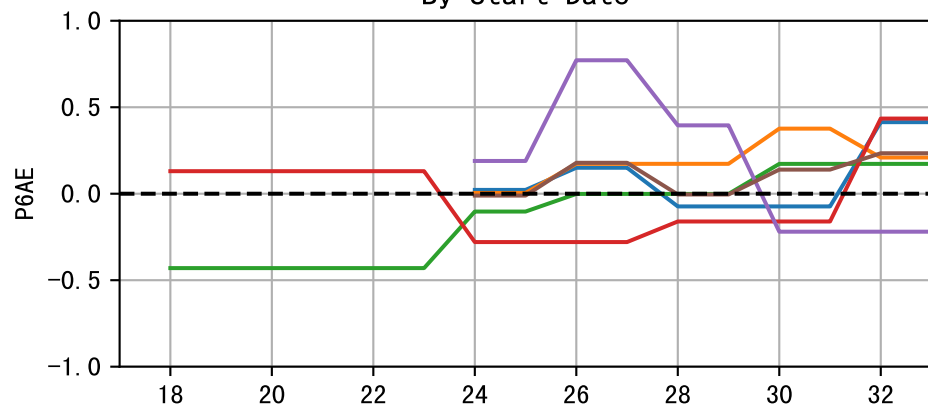
Linear [0.46, 4.67, -10.09, 0.99]

UF

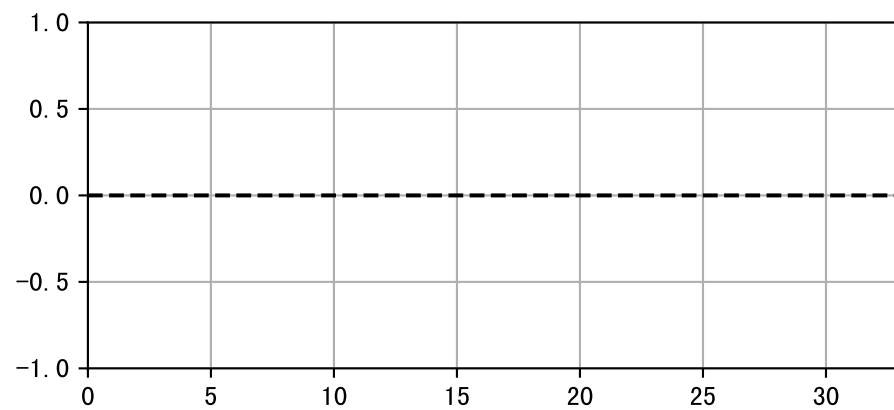
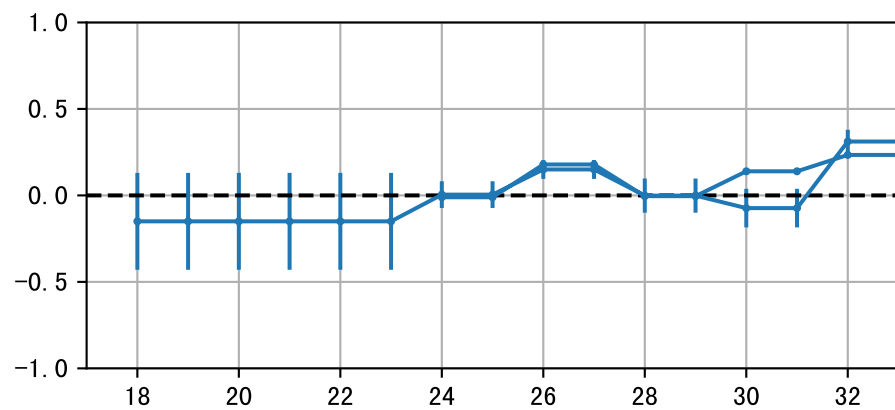
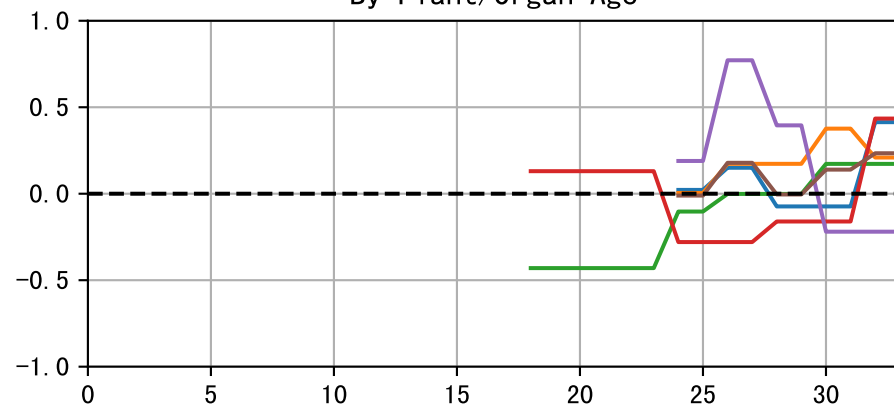




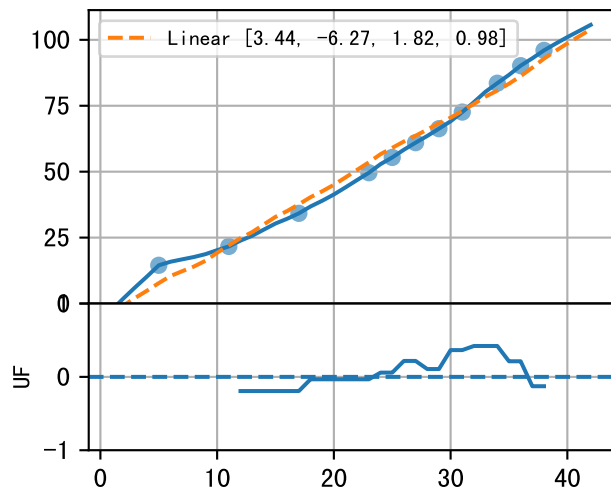
By Start Date



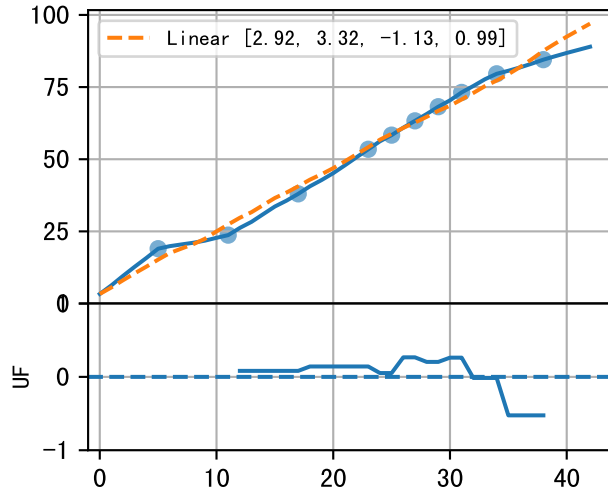
By Plant/Organ Age



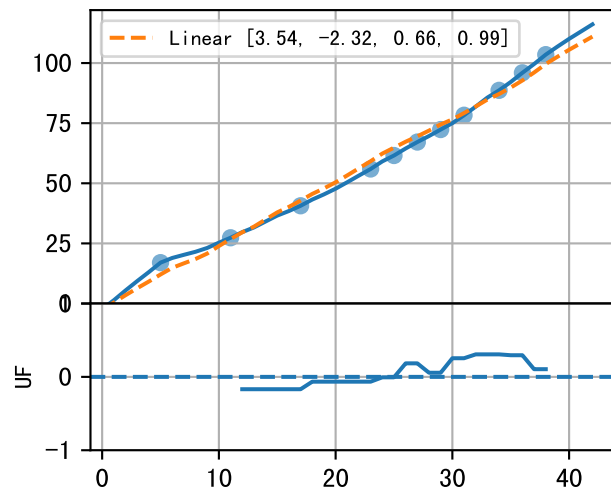
P6AE-007-10



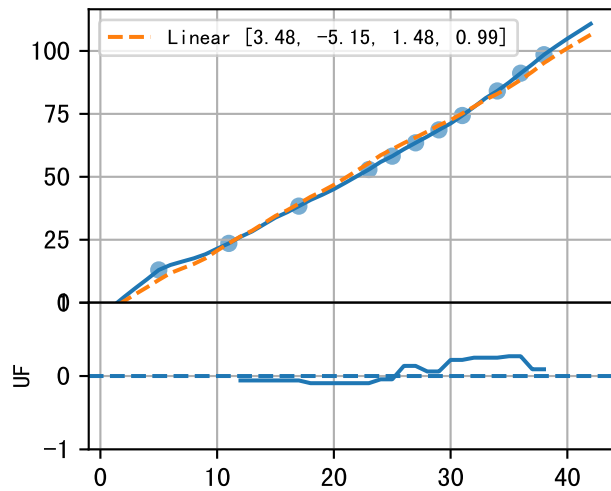
P6AE-014-17



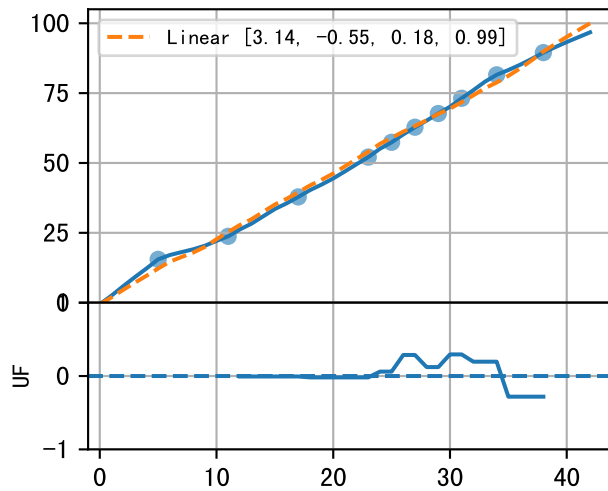
P6AE-026-25



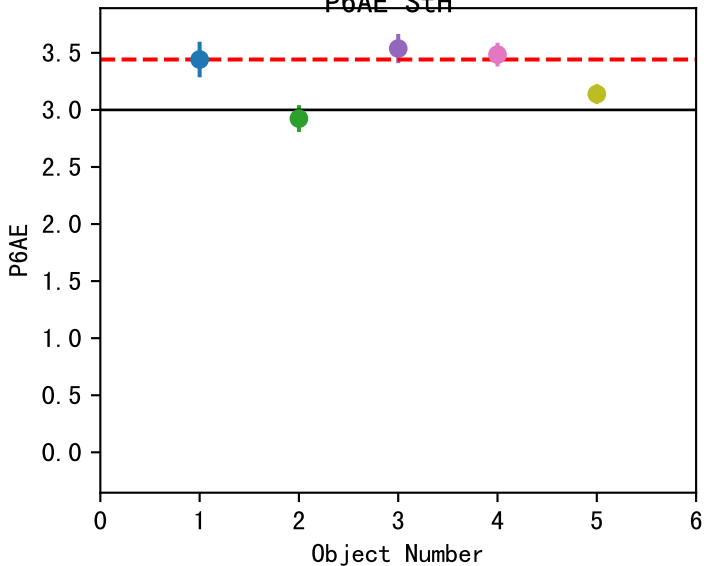
P6AE-033-4



P6AE-045-12

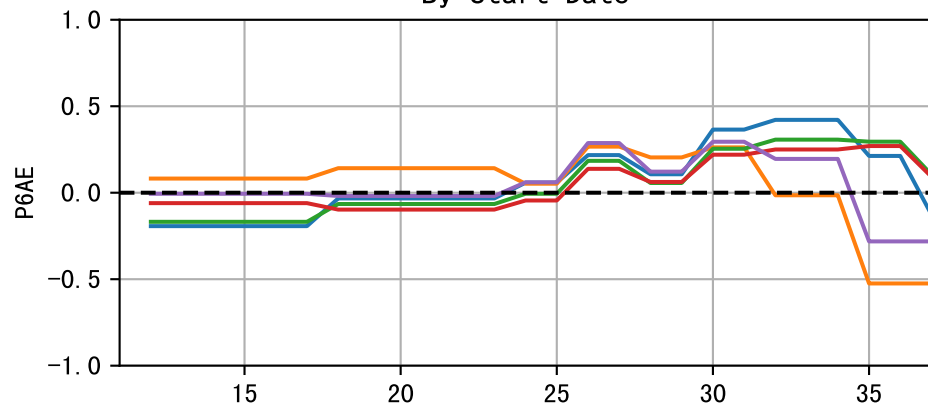


a (Def=3 Set=3.44)
avg1=3.44~8% avg2=na
P6AE StH

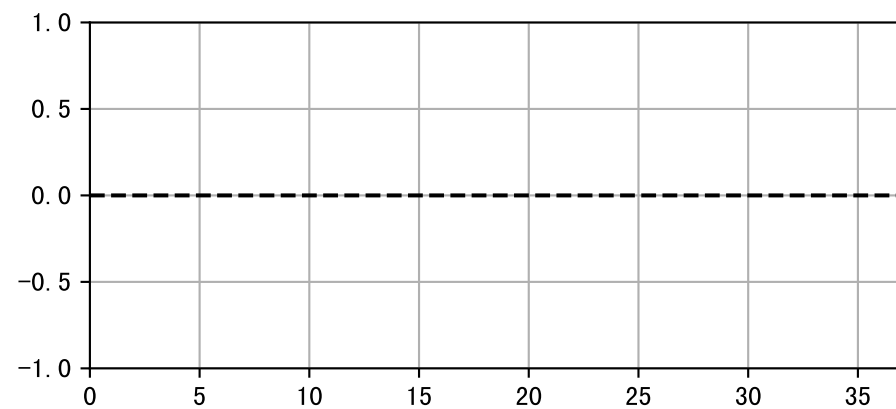
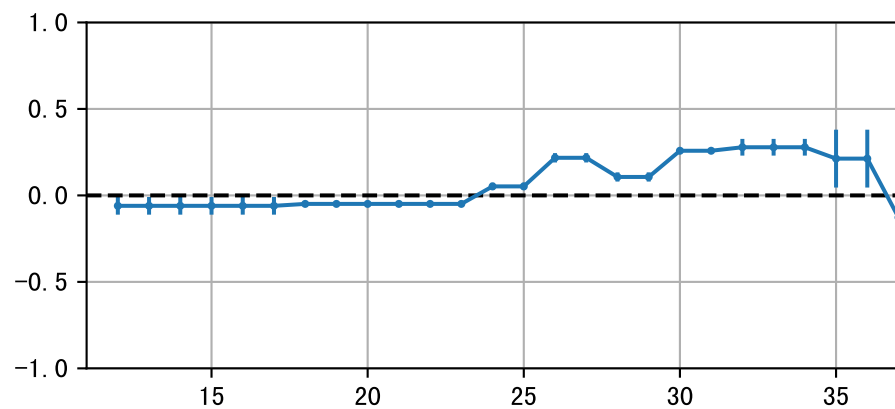
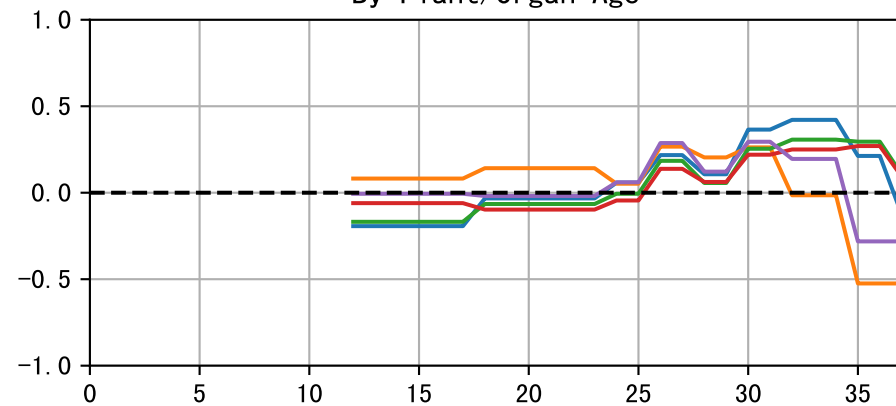


StH

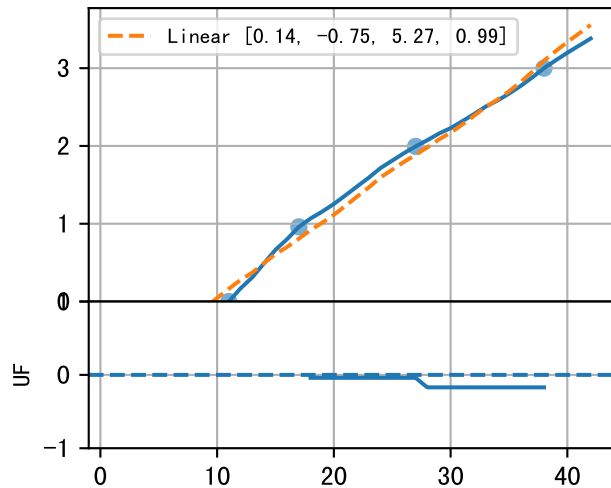
By Start Date



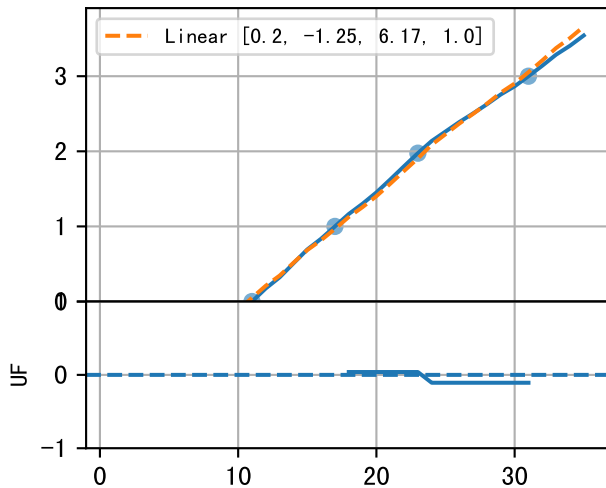
By Plant/Organ Age



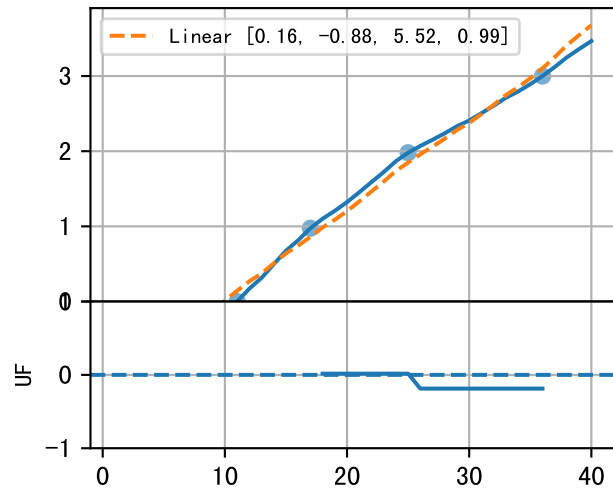
P6AE-007-10



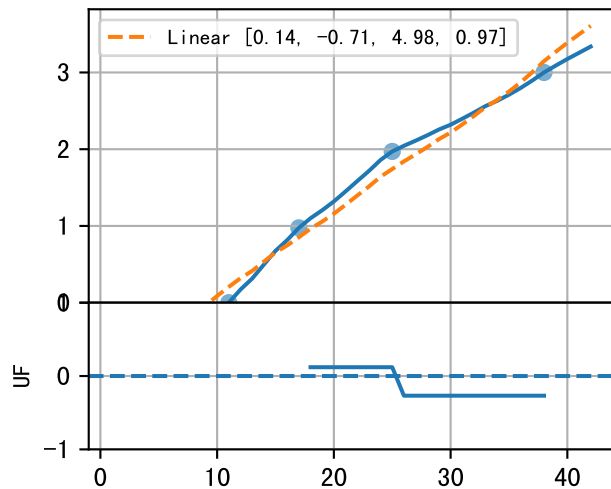
P6AE-014-17



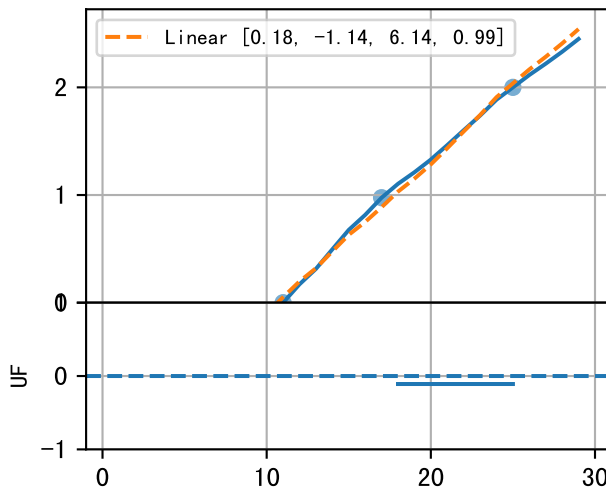
P6AE-026-25



P6AE-033-4



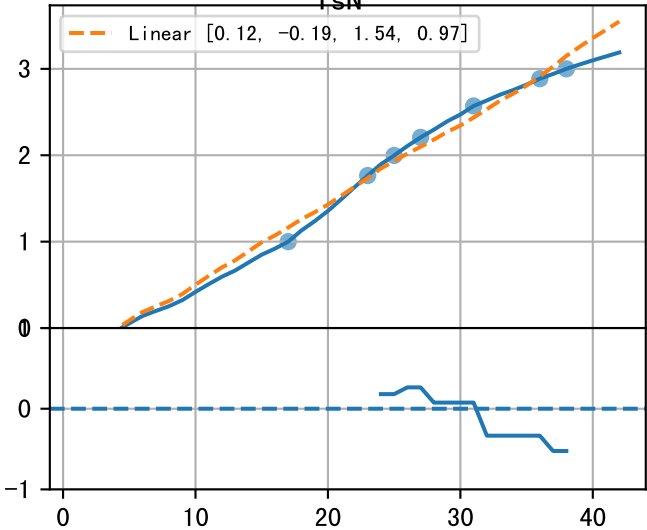
P6AE-045-12



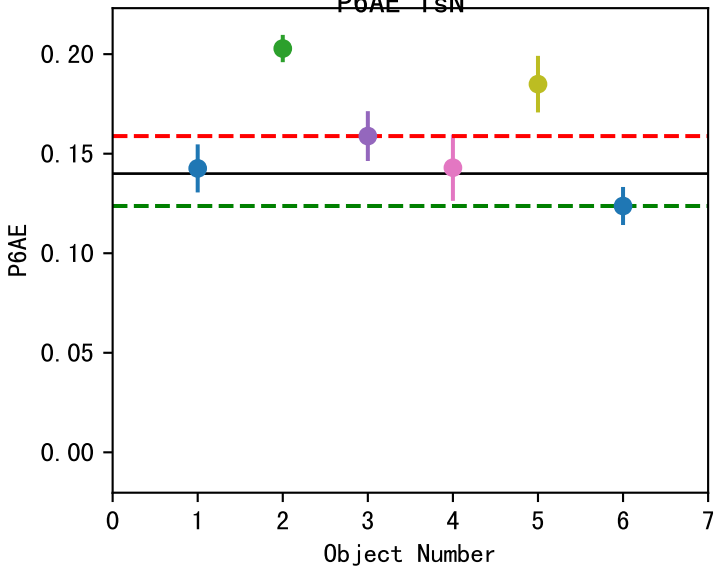
P6AEavg
 Γ_{SN}

Linear [0.12, -0.19, 1.54, 0.97]

UF

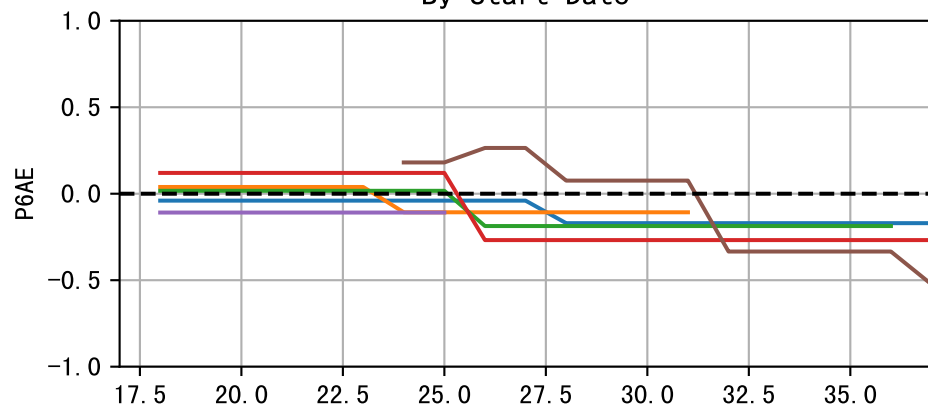


a (Def=0.14 Set=0.12)
avg1=0.16 $\sim$ 17% avg2=0.12 $\sim$ 15%
P6AE TSN

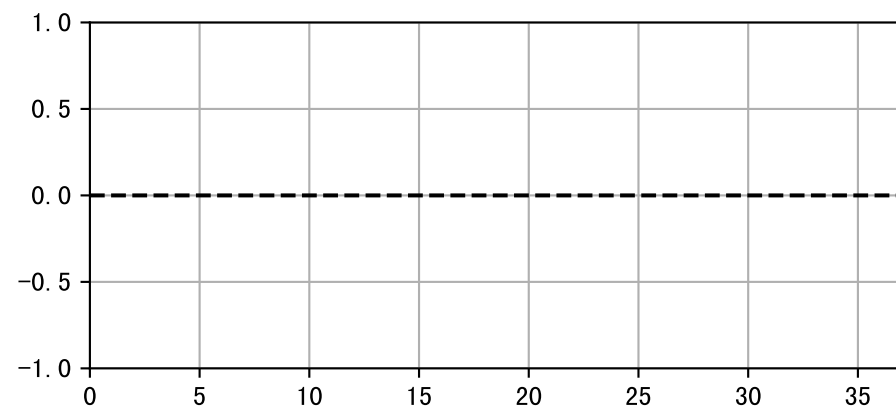
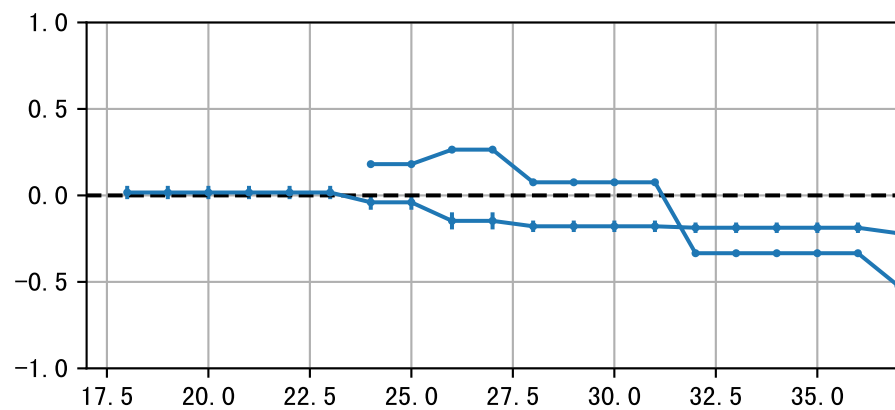
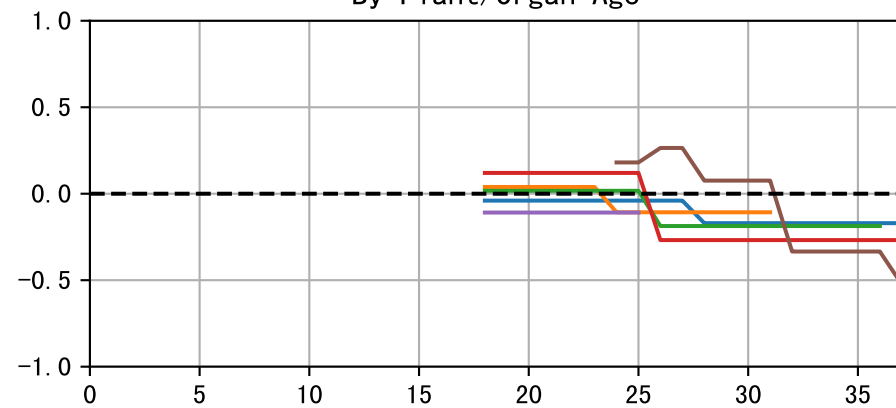


TsN

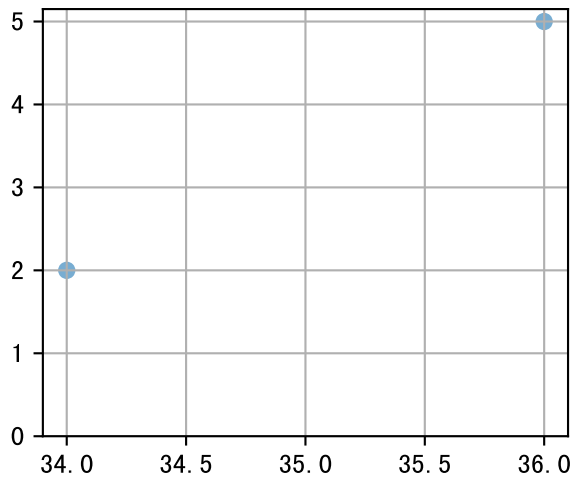
By Start Date



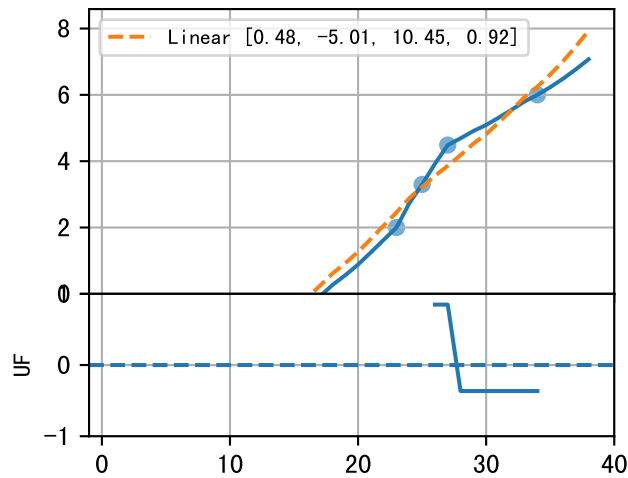
By Plant/Organ Age



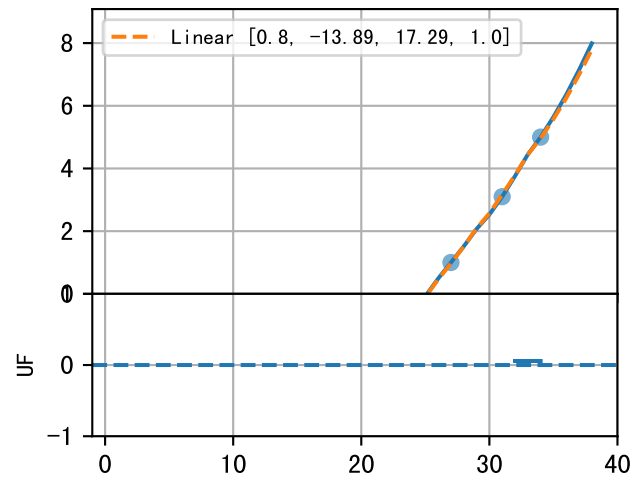
P6AE-007-10T2 (fit failed)



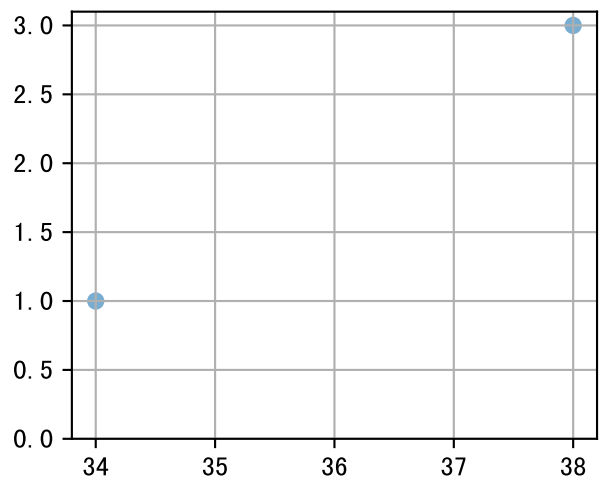
P6AE-014-17T1



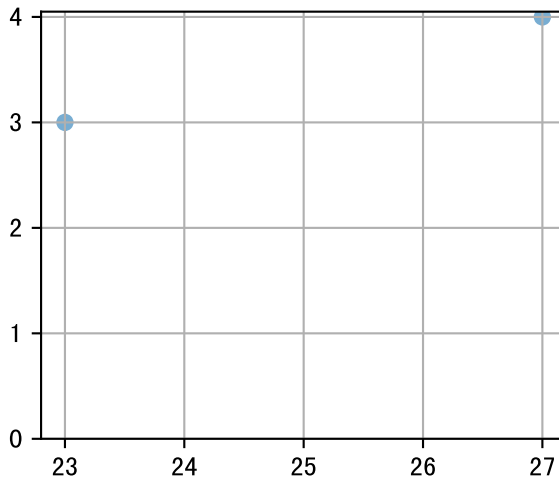
P6AE-014-17T2



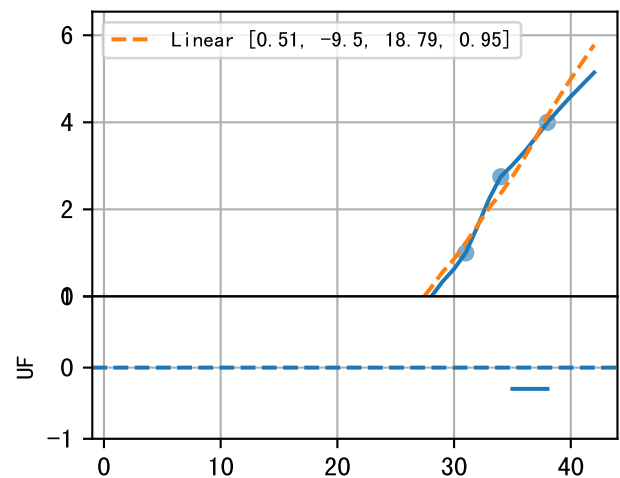
P6AE-014-17T3 (fit failed)



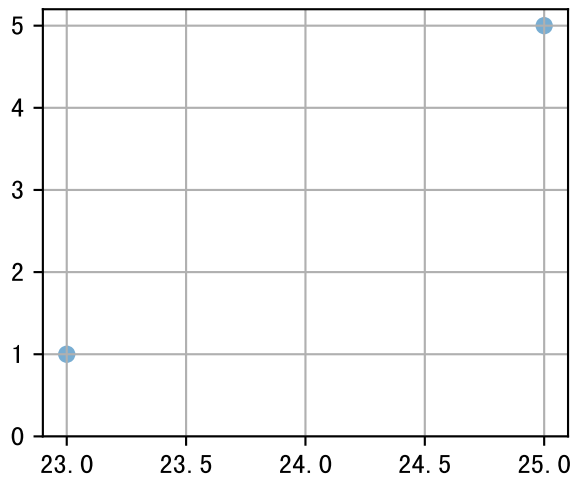
P6AE-026-25T1 (fit failed)



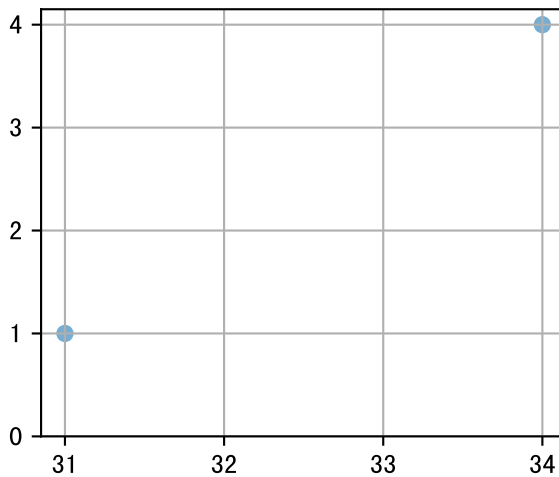
P6AE-026-25T2



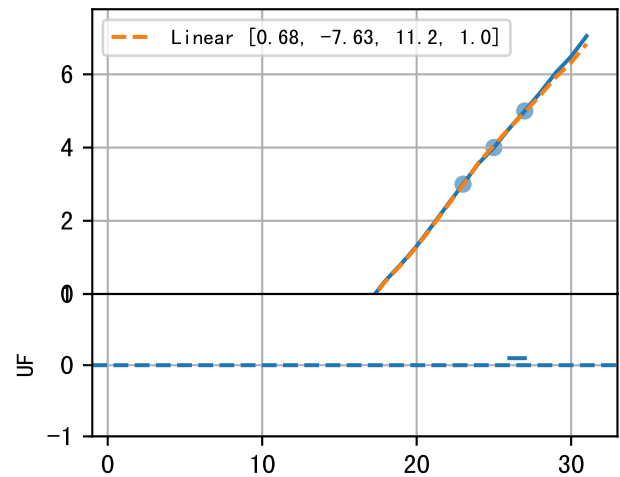
P6AE-033-4T1 (fit failed)



P6AE-033-4T2 (fit failed)

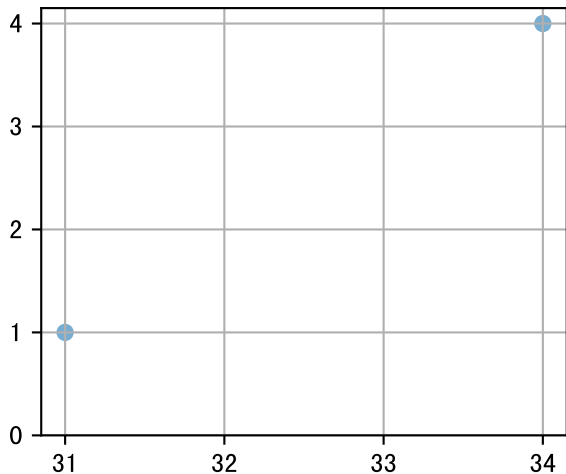


P6AE-045-12T1

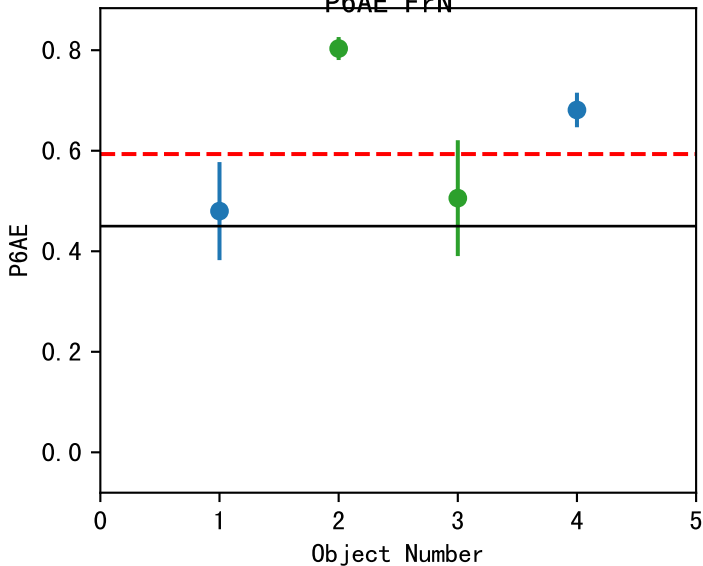


P6AE-045-12T2 (fit failed)

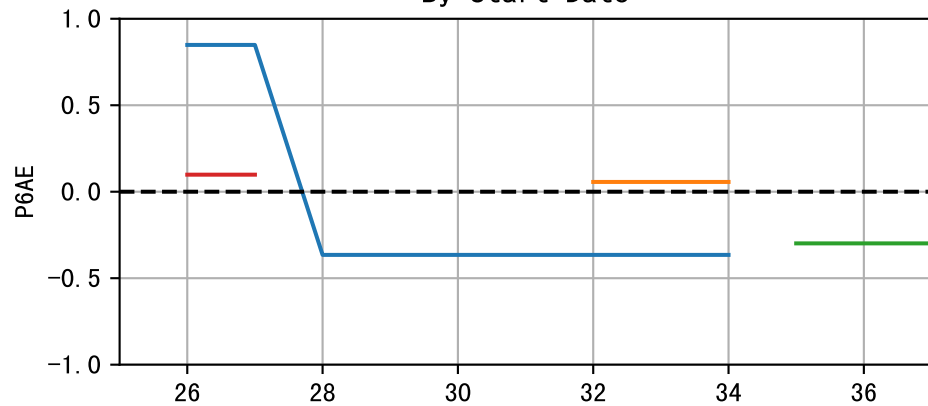
FrN



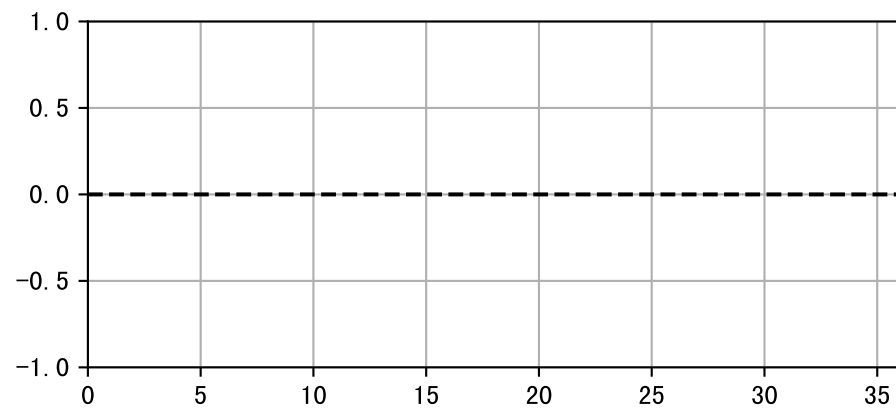
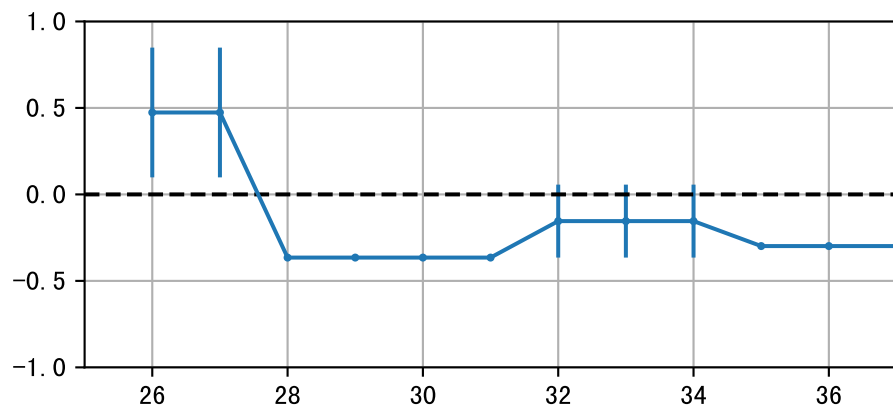
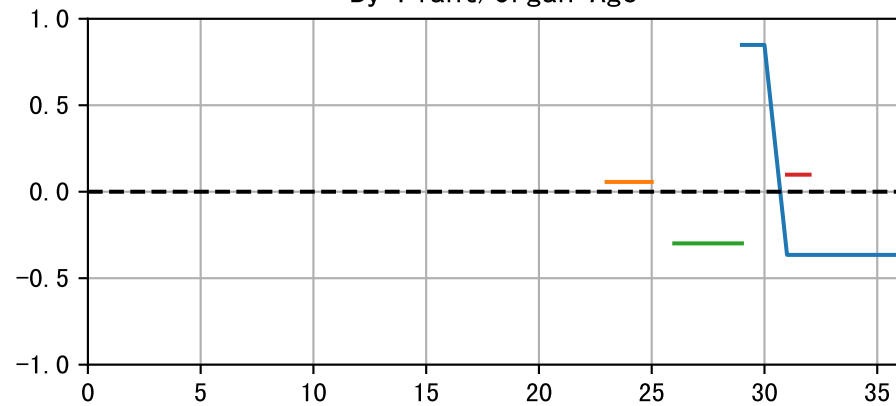
a (Def=0.45 Set=0.59)
avg1=0.59~26% avg2=na



By Start Date

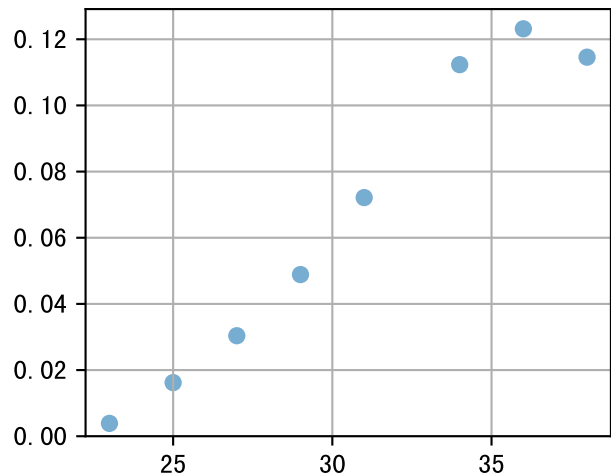


By Plant/Organ Age

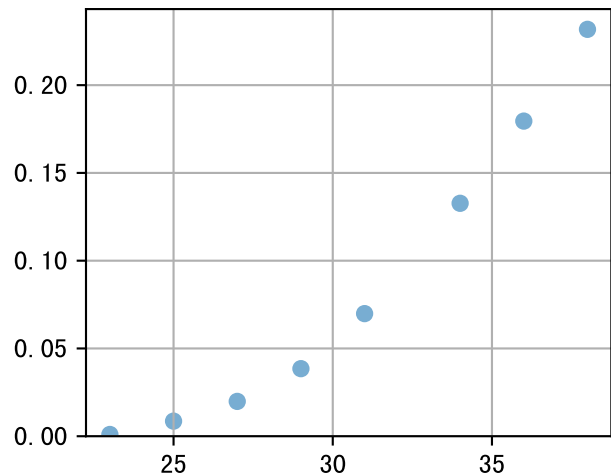


Fr_V

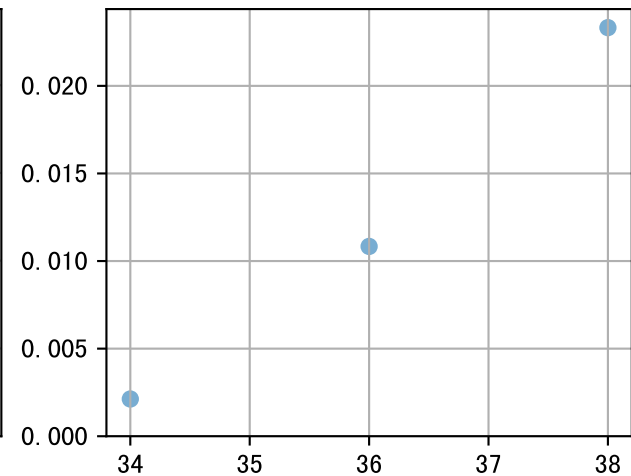
P6AE-007-10T1Fr1 (fit failed)



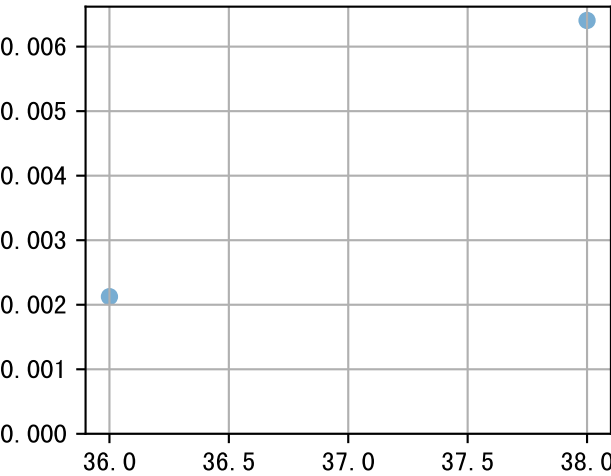
P6AE-007-10T1Fr5 (fit failed)



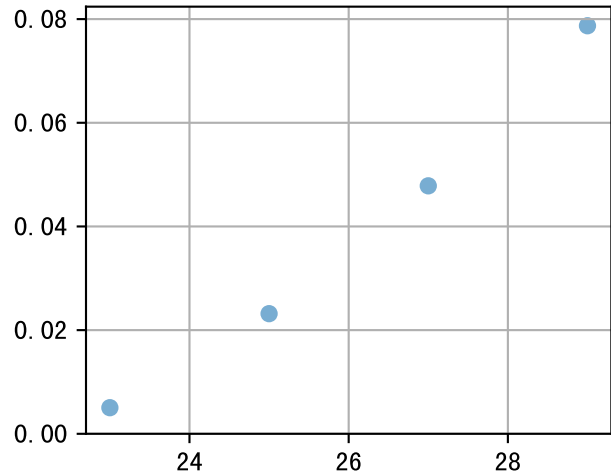
P6AE-007-10T2Fr1 (fit failed)



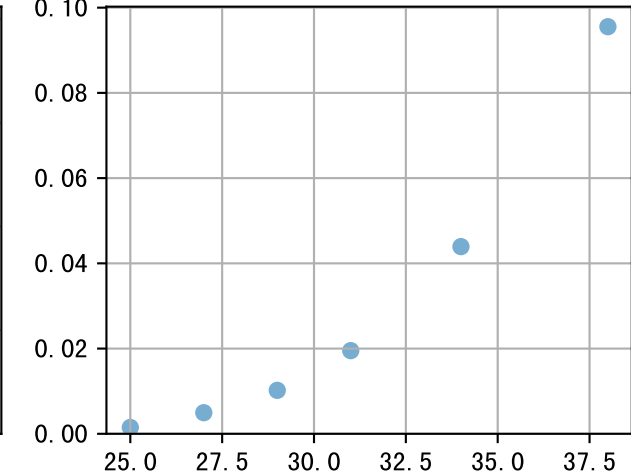
P6AE-007-10T2Fr5 (fit failed)



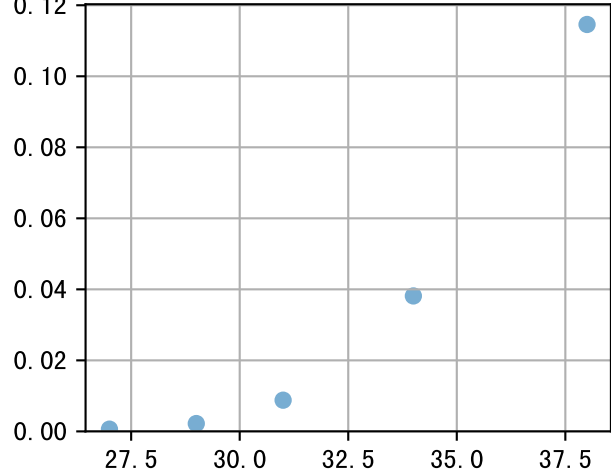
P6AE-014-17T1Fr1 (fit failed)



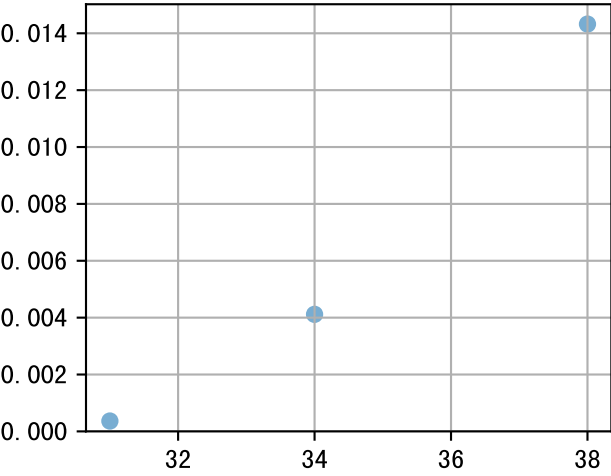
P6AE-014-17T1Fr5 (fit failed)



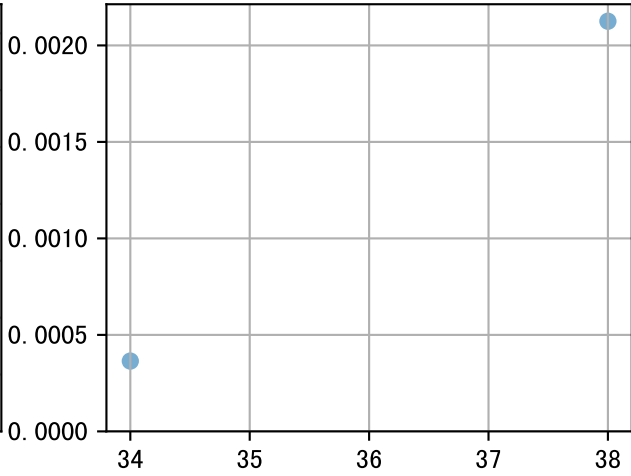
P6AE-014-17T2Fr1 (fit failed)



P6AE-014-17T2Fr5 (fit failed)

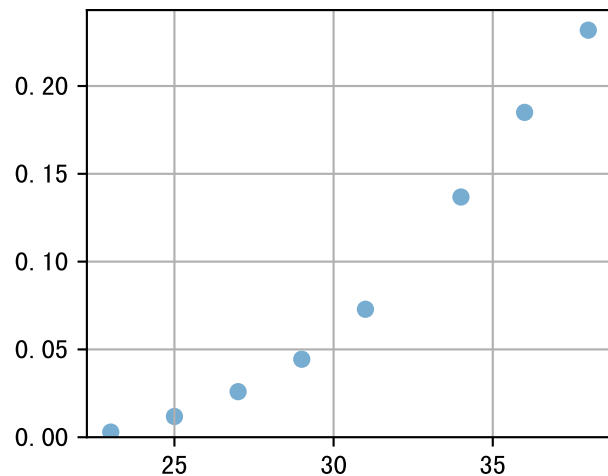


P6AE-014-17T3Fr1 (fit failed)

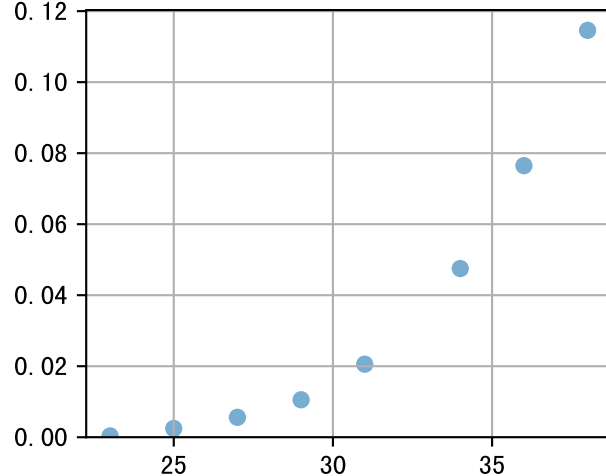


FrV

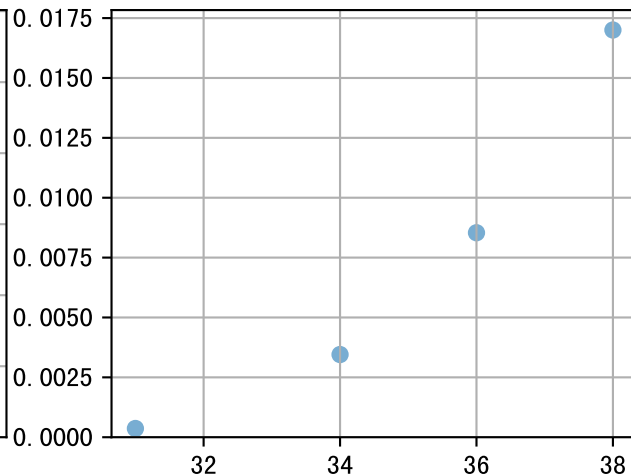
P6AE-026-25T1Fr1 (fit failed)



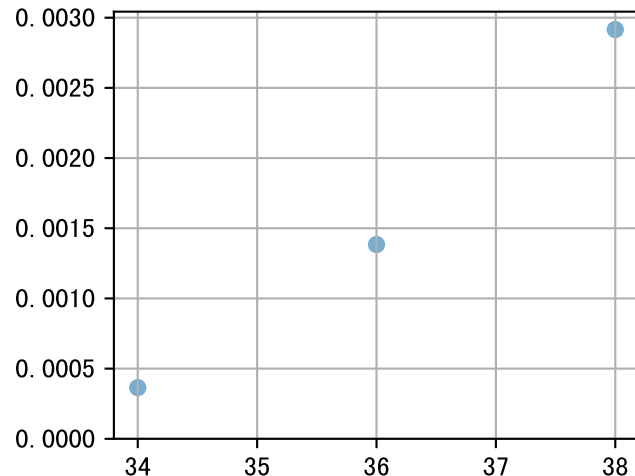
P6AE-026-25T1Fr5 (fit failed)



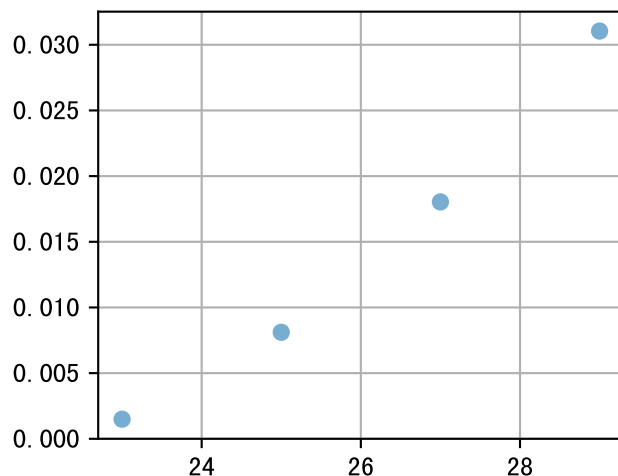
P6AE-026-25T2Fr1 (fit failed)



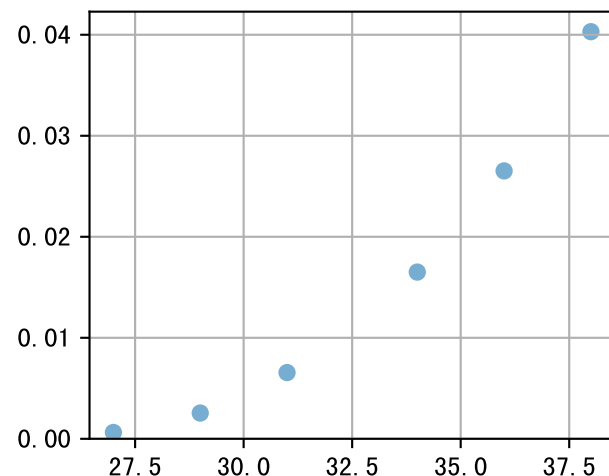
P6AE-026-25T2Fr5 (fit failed)



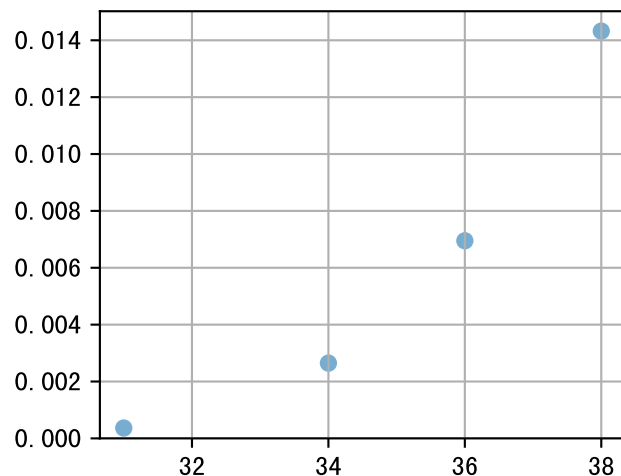
P6AE-033-4T1Fr1 (fit failed)



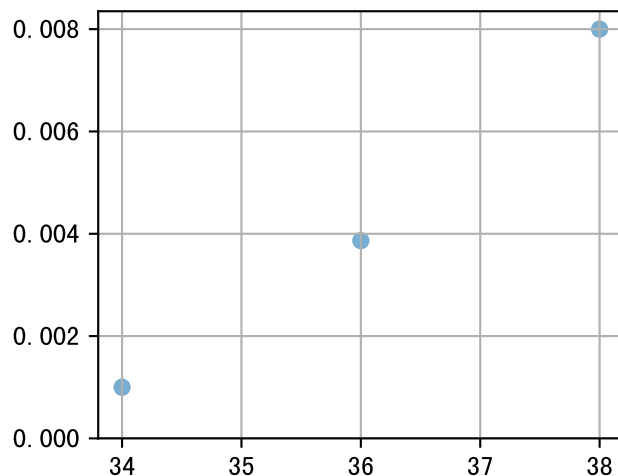
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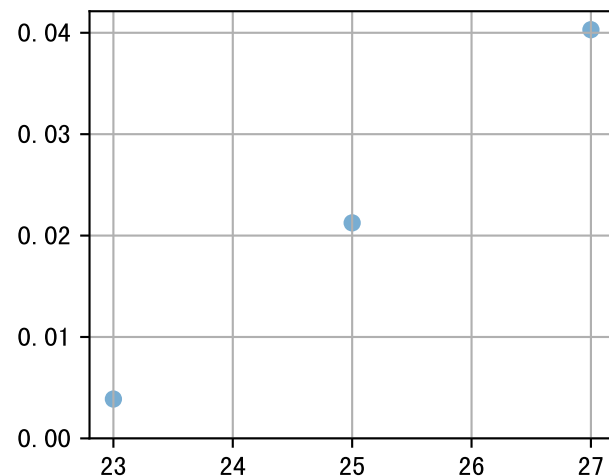
P6AE-033-4T2Fr1 (fit failed)



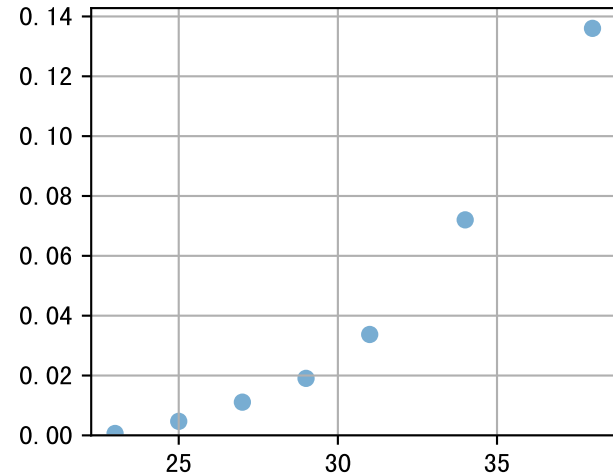
P6AE-033-4T2Fr5 (fit failed)



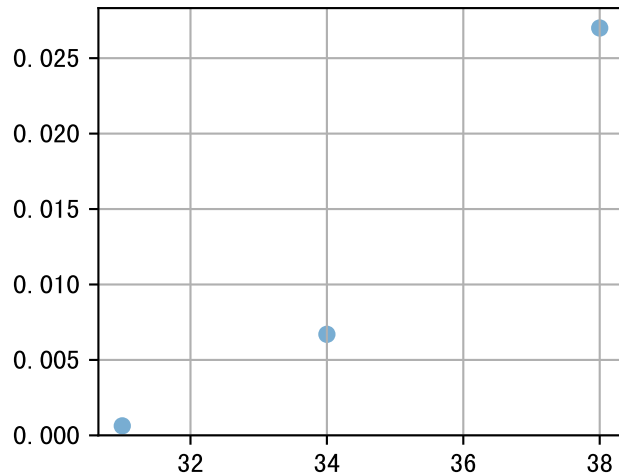
P6AE-045-12T1Fr1 (fit failed)



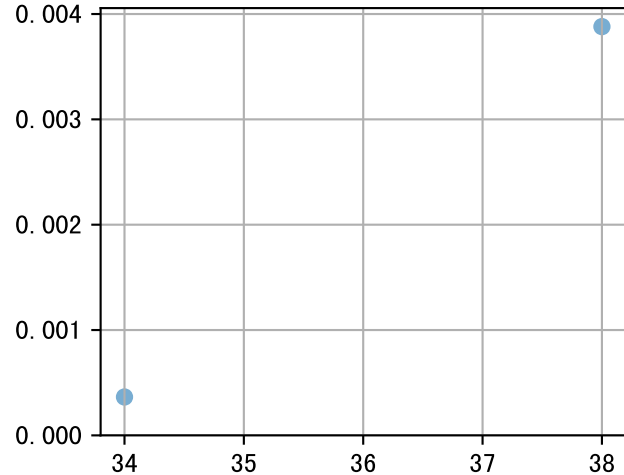
P6AE-045-12T1Fr5 (fit failed)



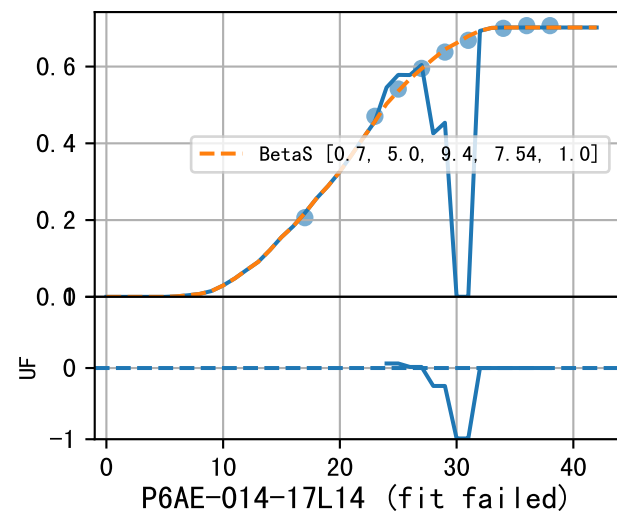
P6AE-045-12T2Fr1 (fit failed)



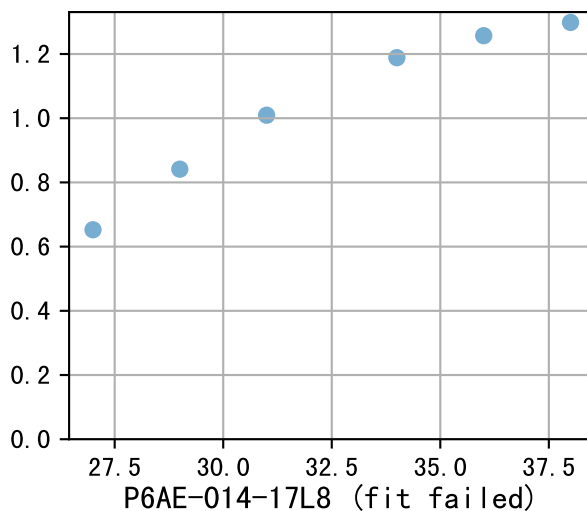
P6AE-045-12T2Fr5 (fit failed)



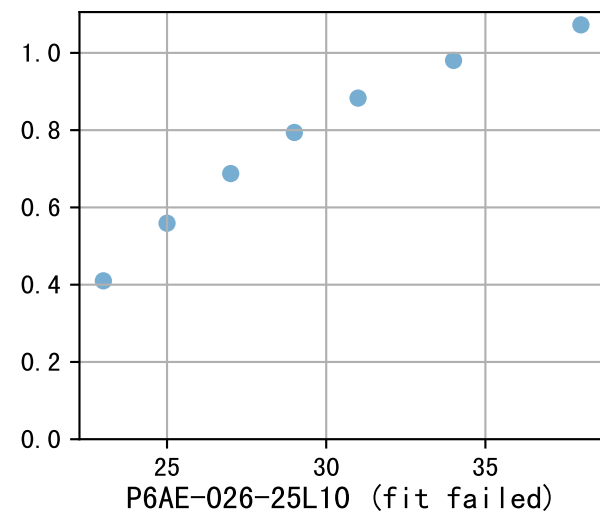
P6AE-007-10L6



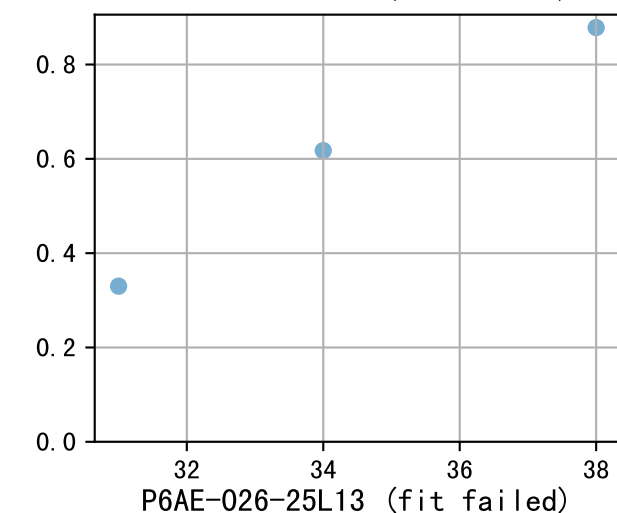
P6AE-007-10L9 (fit failed)



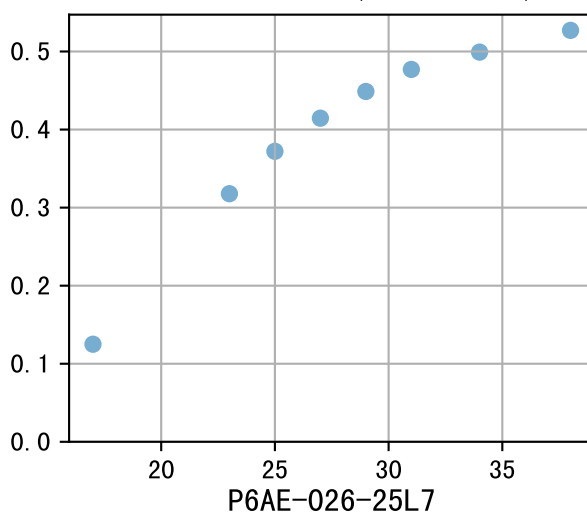
P6AE-014-17L11 (fit failed)



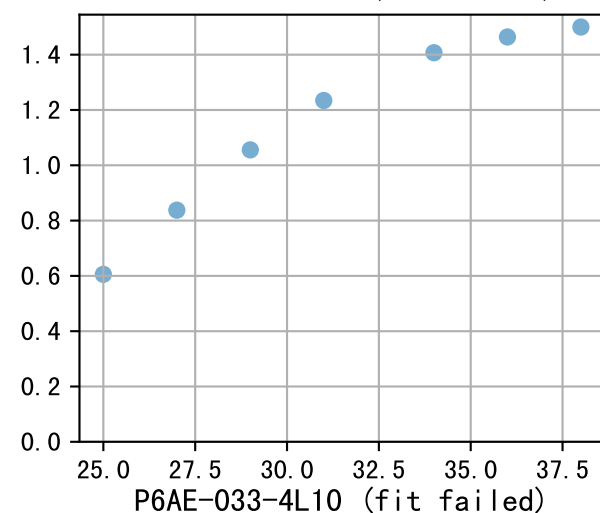
P6AE-014-17L14 (fit failed)



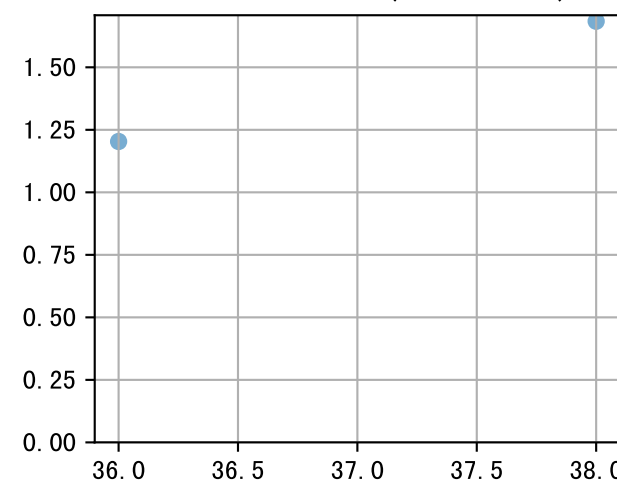
P6AE-014-17L8 (fit failed)



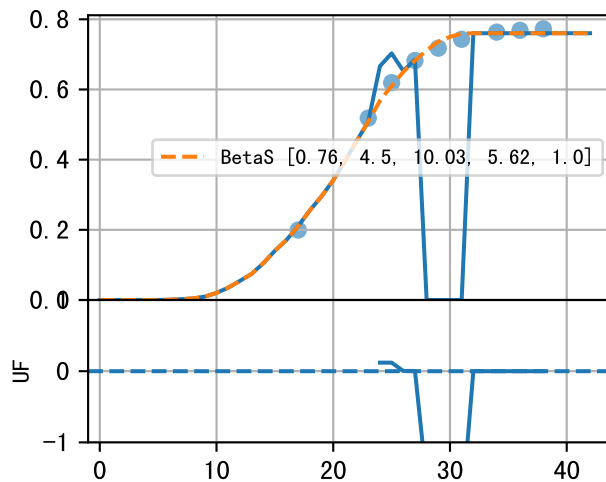
P6AE-026-25L10 (fit failed)



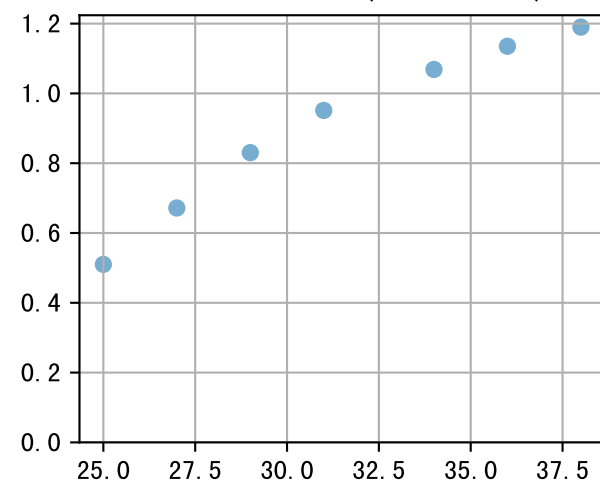
P6AE-026-25L13 (fit failed)



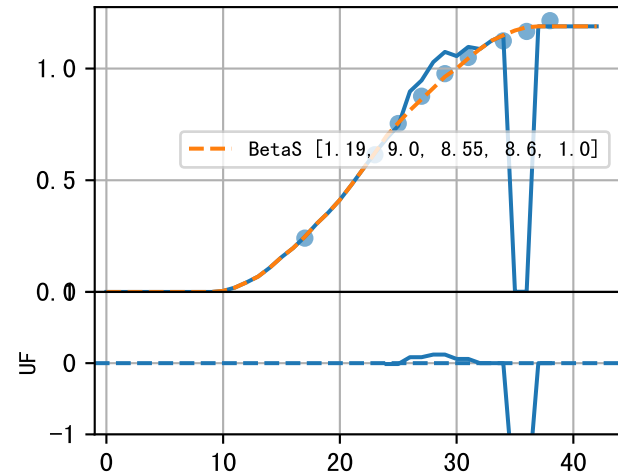
P6AE-026-25L7



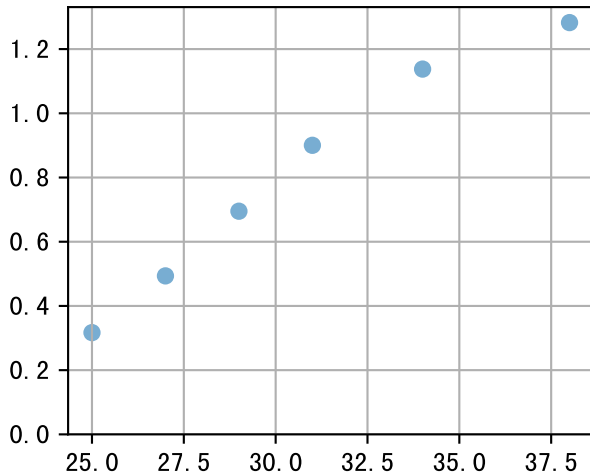
P6AE-033-4L10 (fit failed)



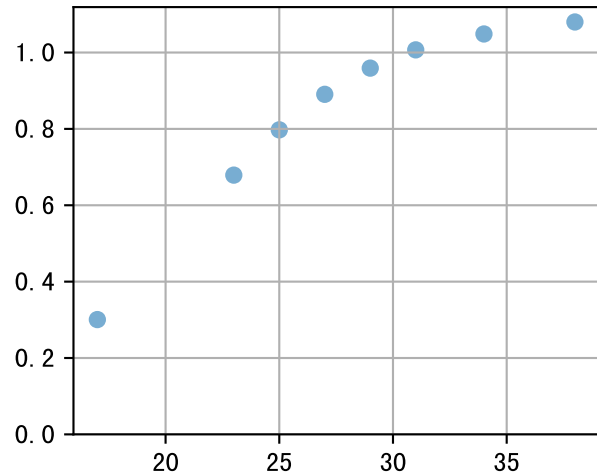
P6AE-033-4L8

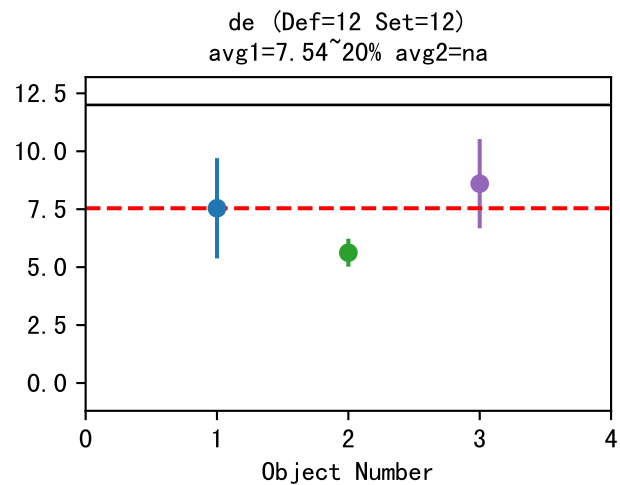
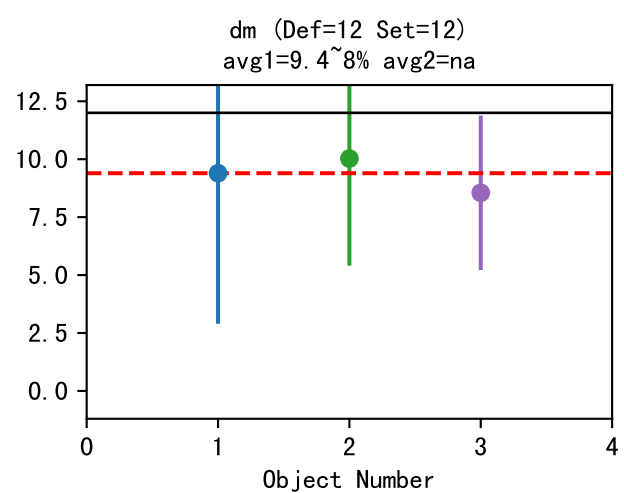
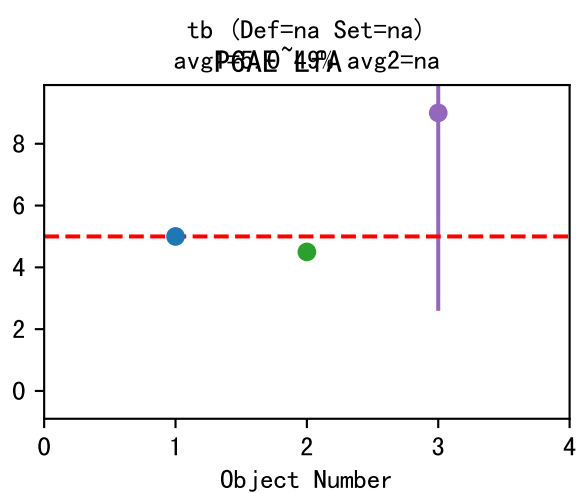
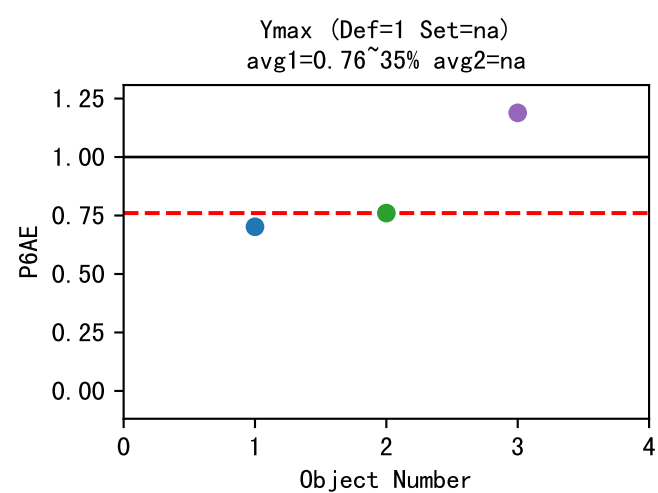


P6AE-045-12L10 (fit failed)

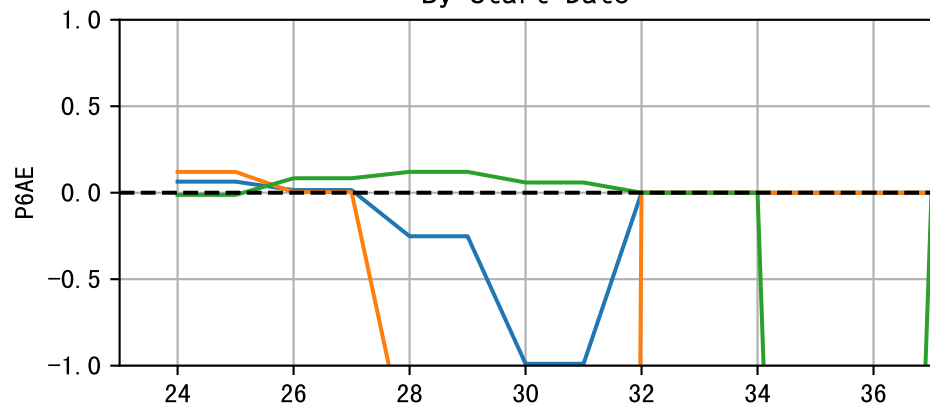


P6AE-045-12L7 (fit failed)

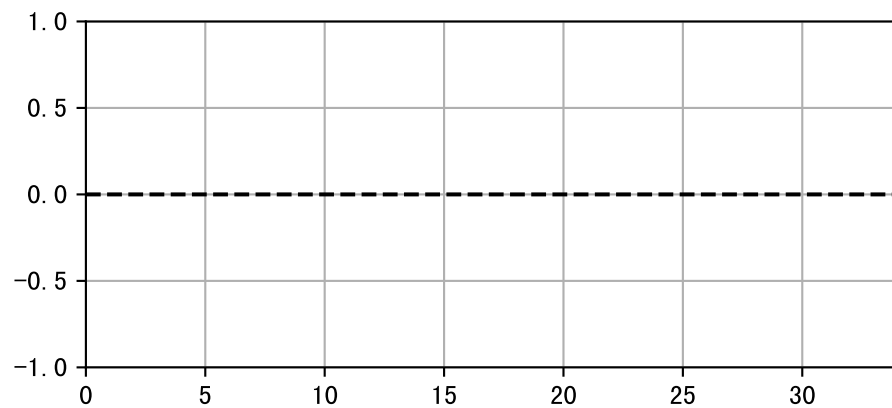
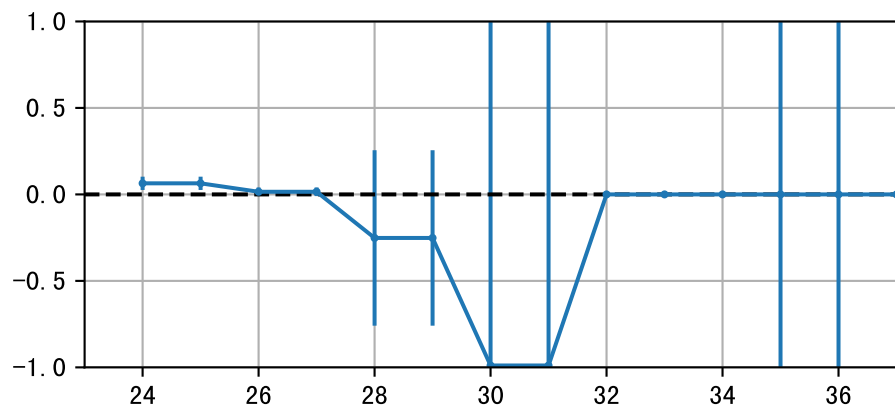
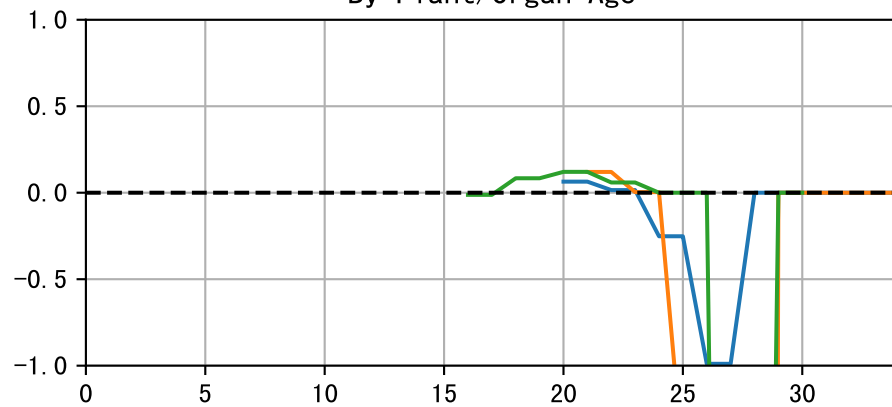


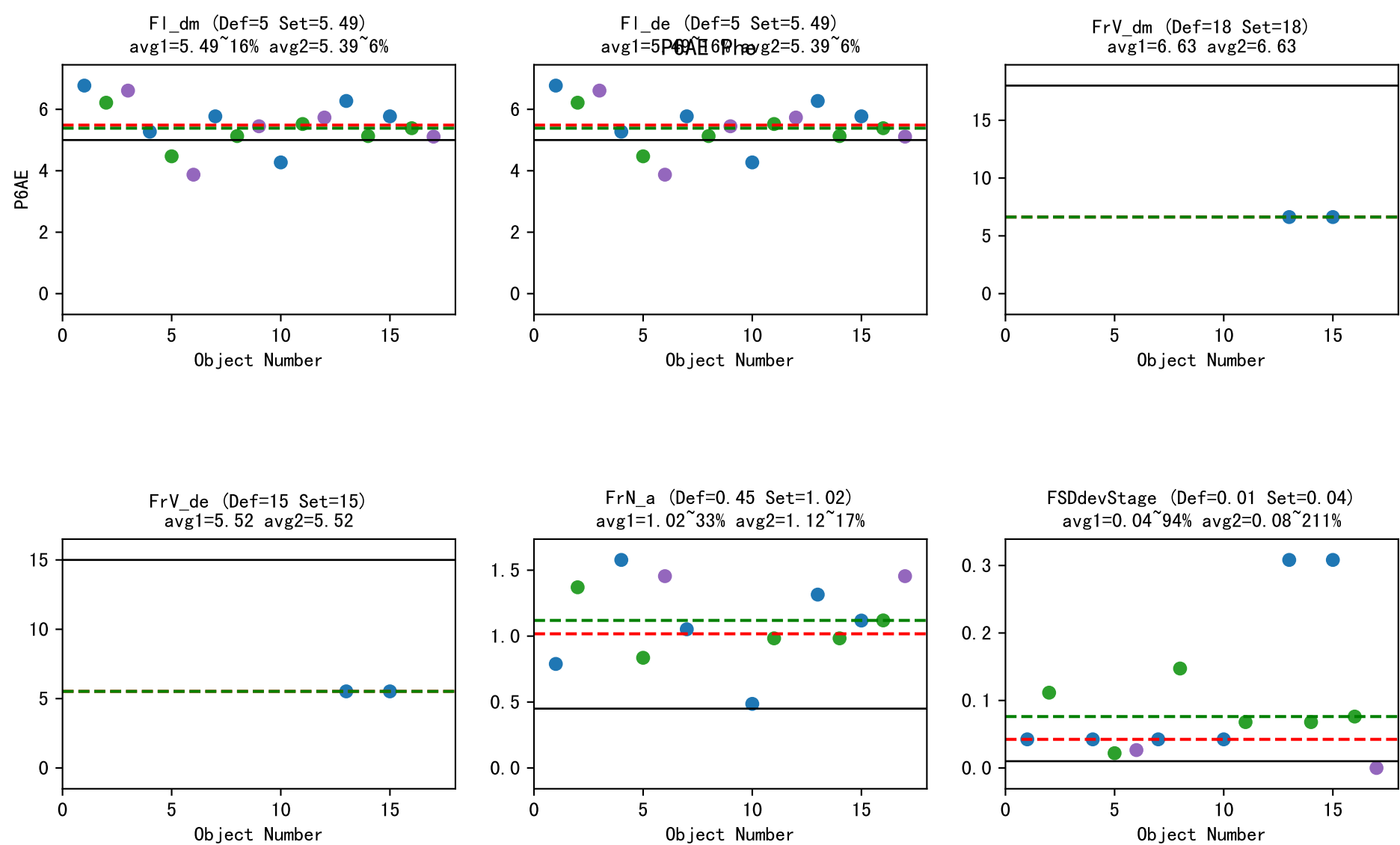


By Start Date

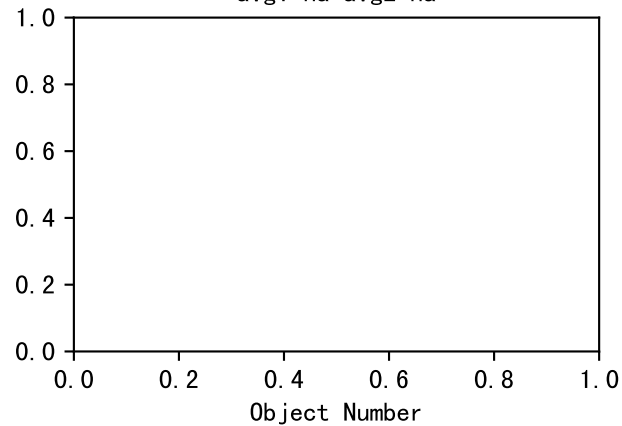


By Plant/Organ Age

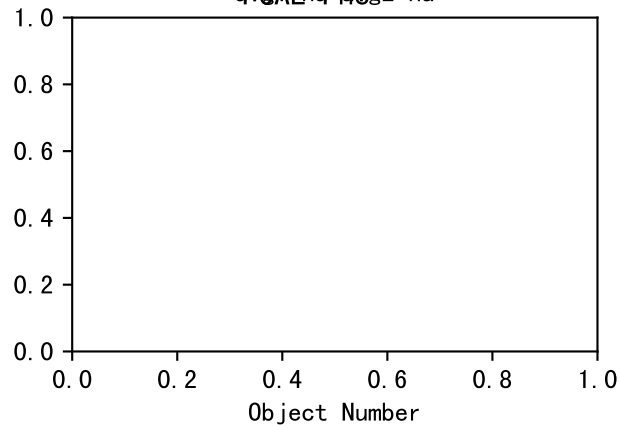




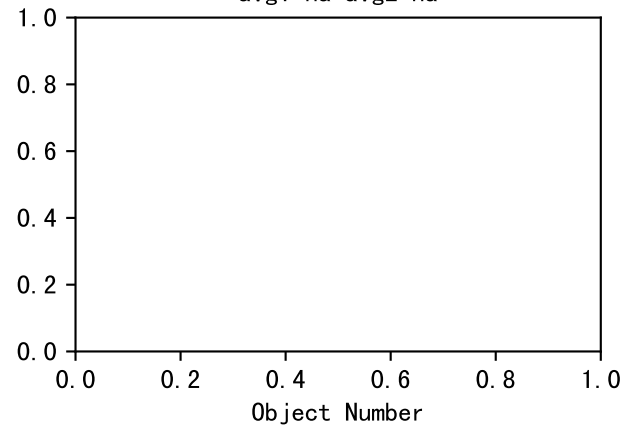
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



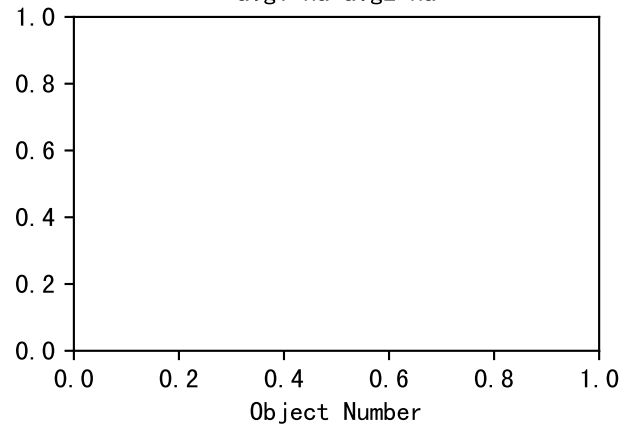
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



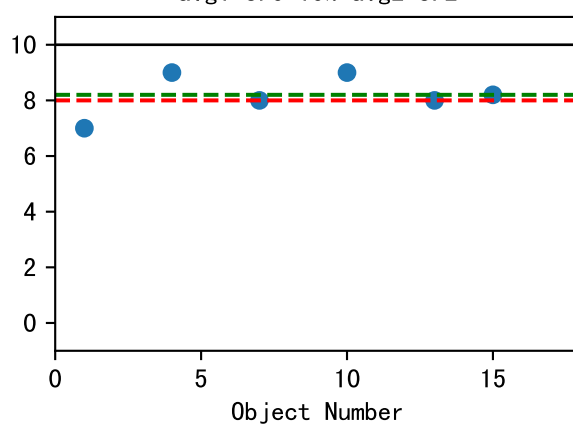
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

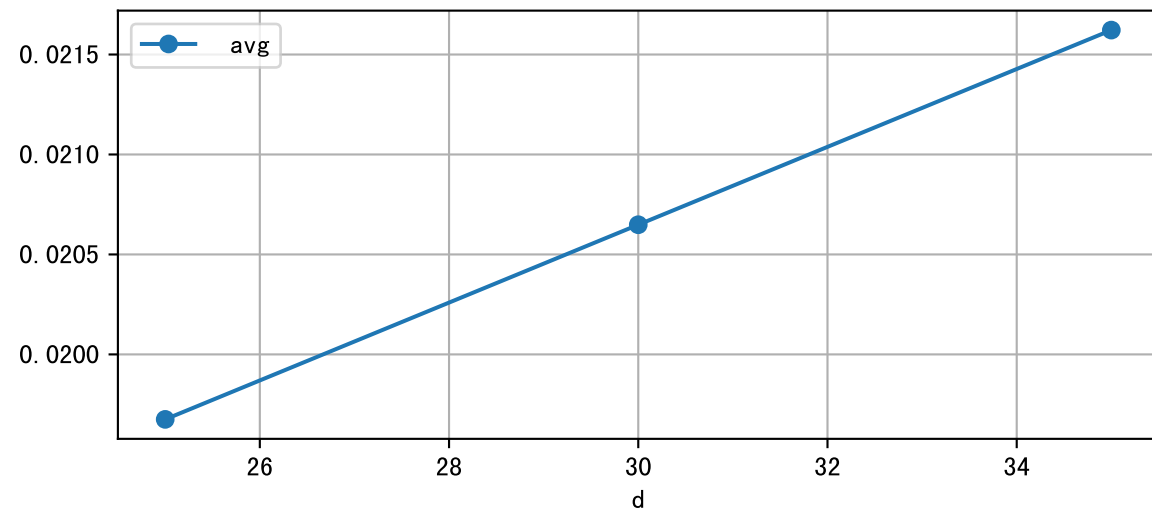


NNgen (Def=10 Set=8)
avg1=8.0~10% avg2=8.2

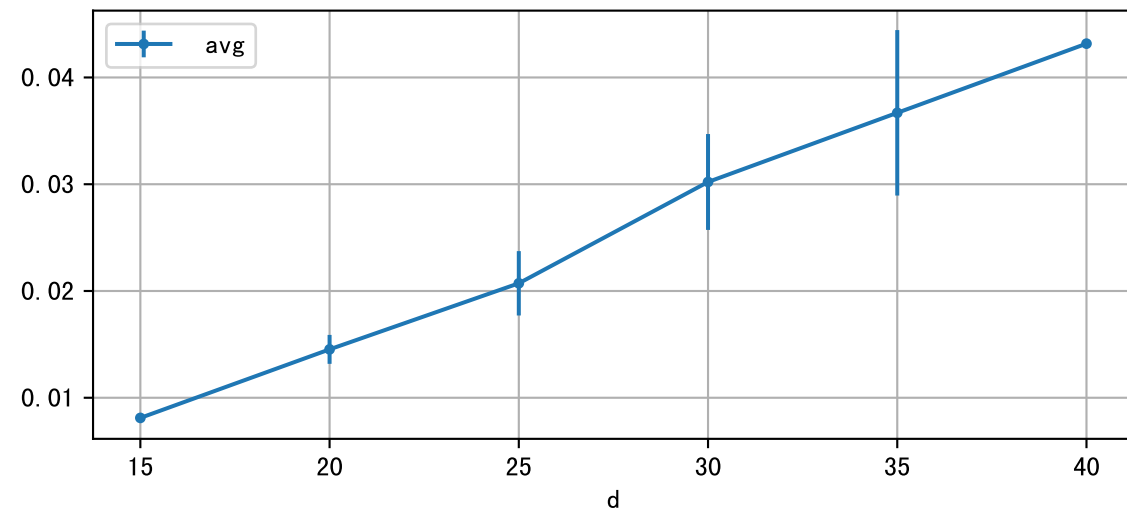


LfA: avg vs. d at each age group

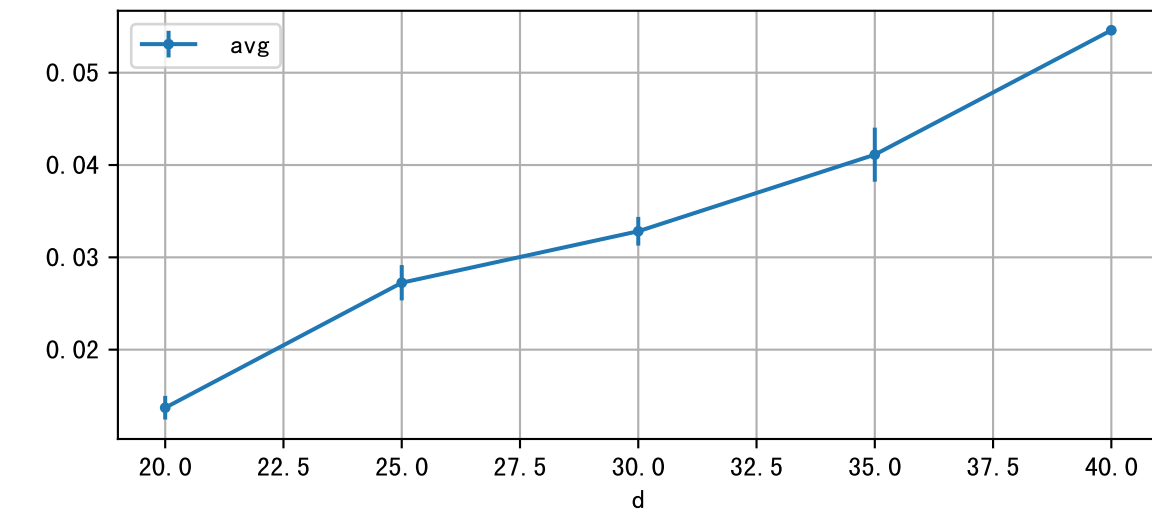
age=15



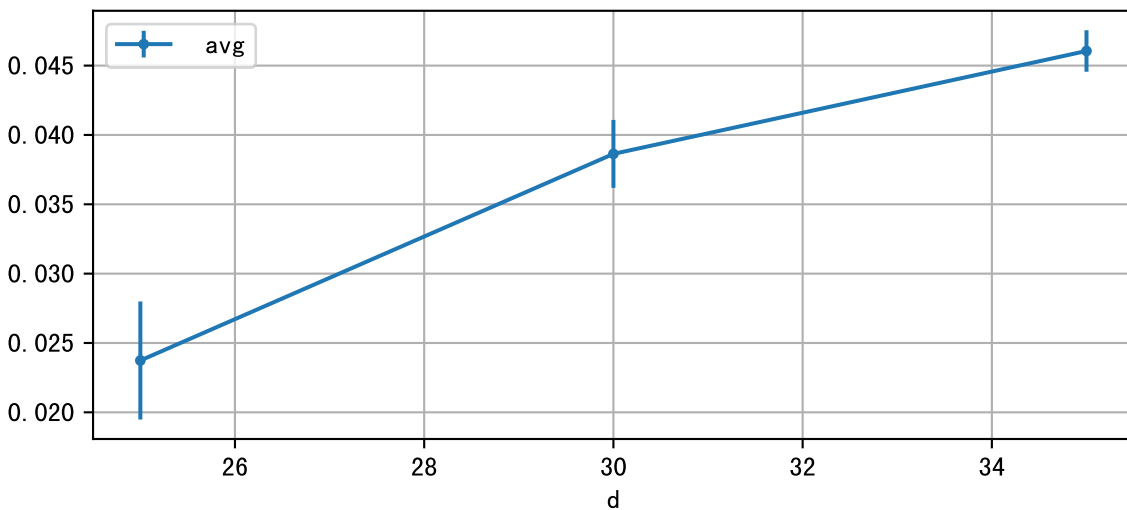
age=20



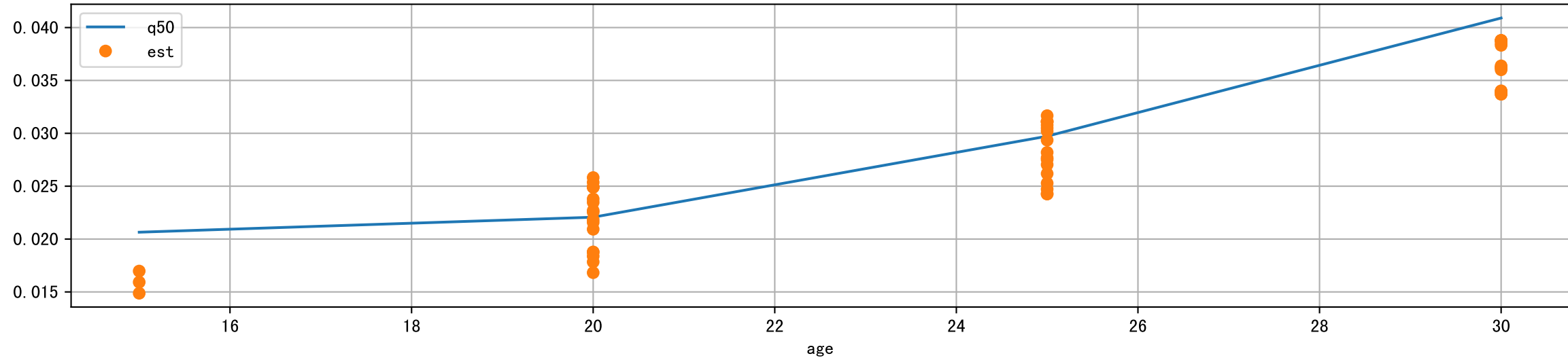
age=25



age=30

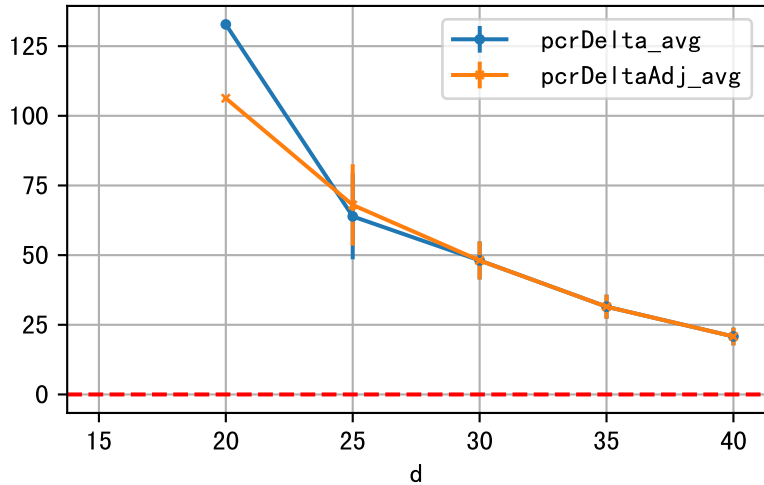


LfA: model est vs obs0v@Q50

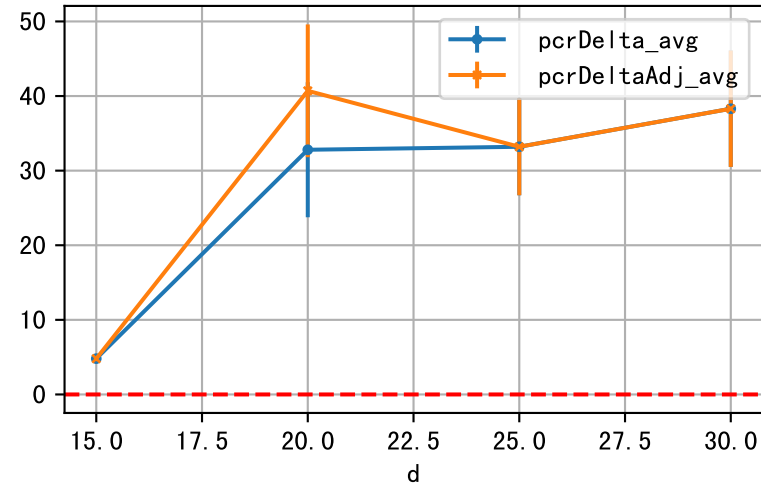


P6AE LfA: D_5d_LfA

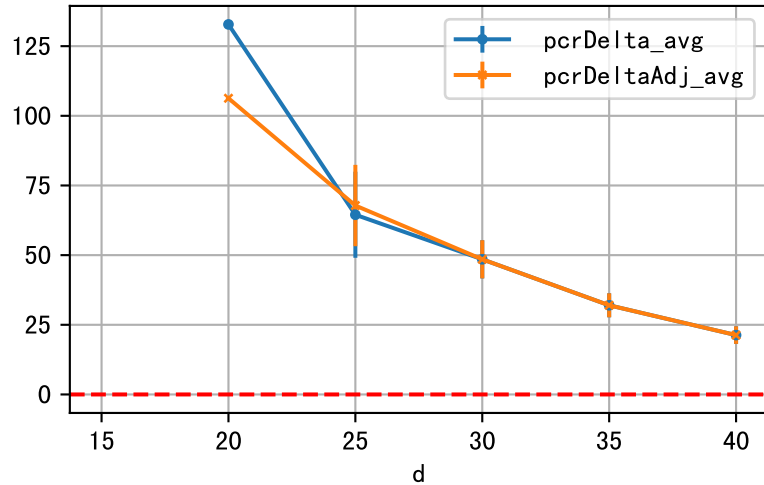
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

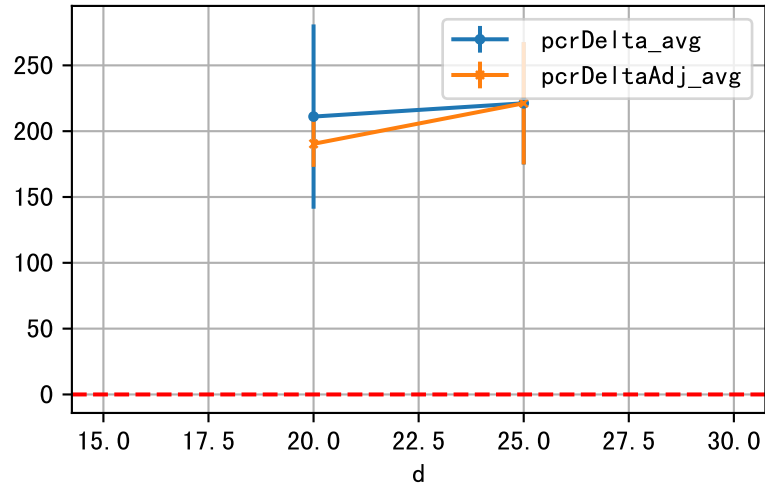


DeltaTypeAbbr=Wei AvgByD

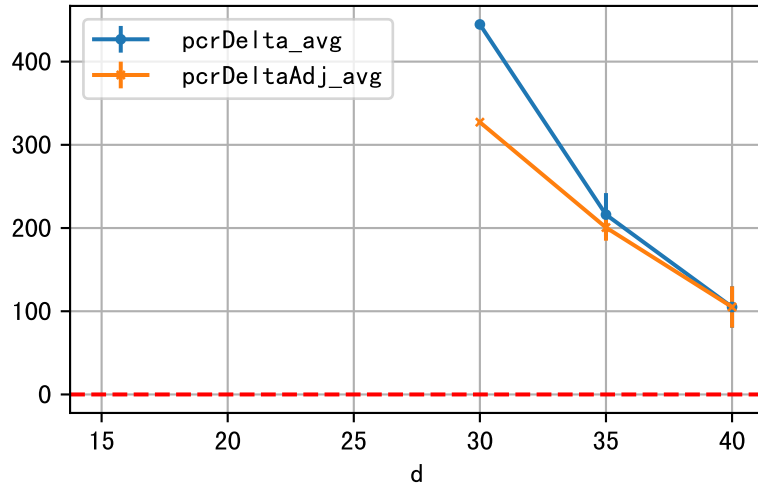


P6AE LfA: D_15d_LfA

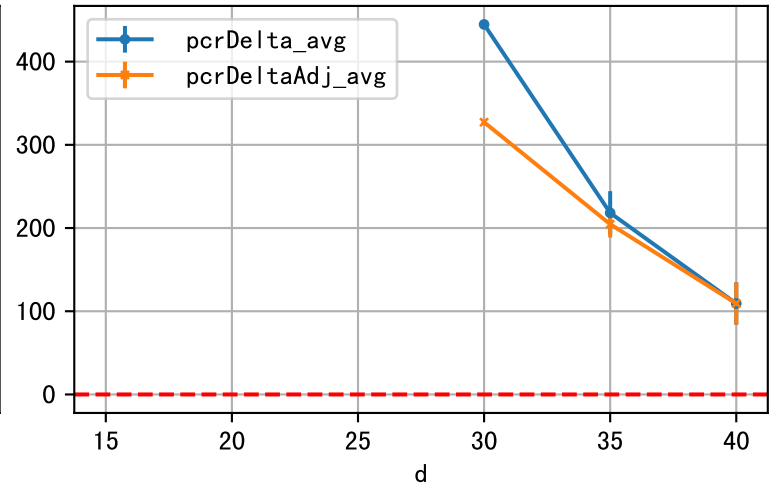
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

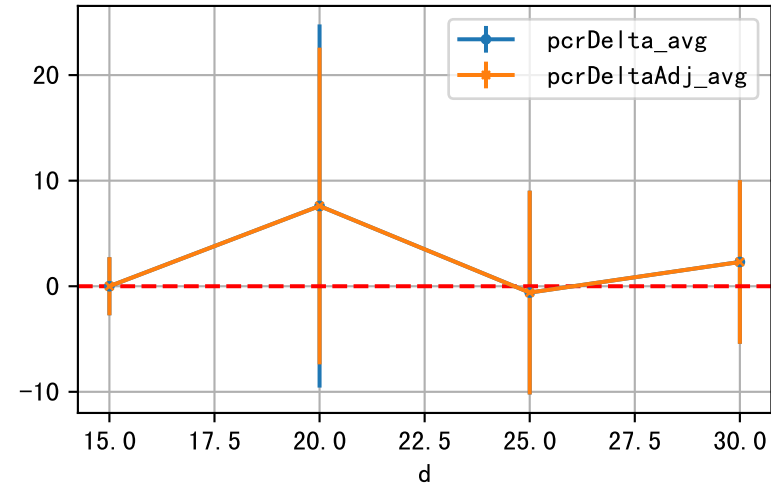


DeltaTypeAbbr=Wei AvgByD

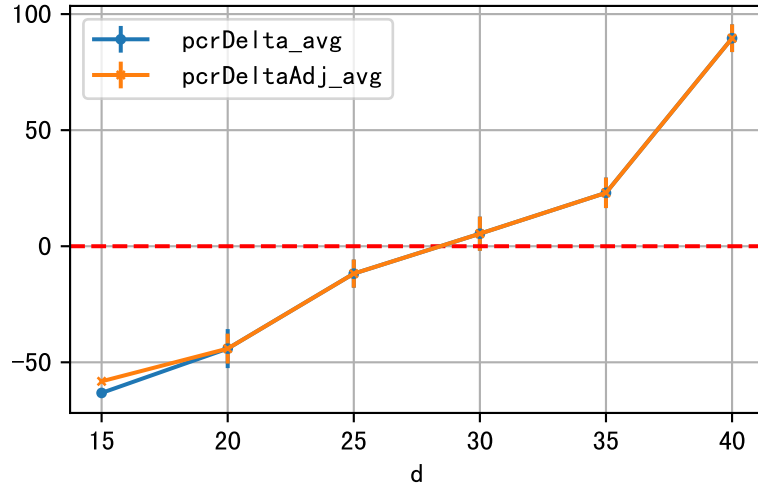


P6AE LfA: D_Q50_LfA

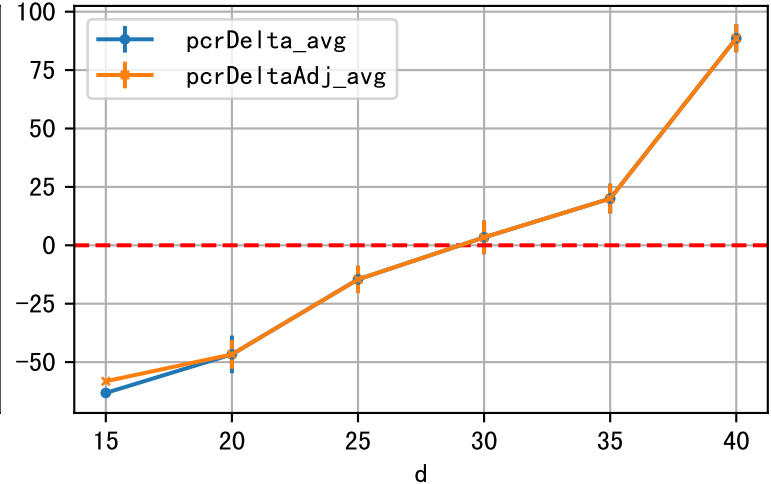
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

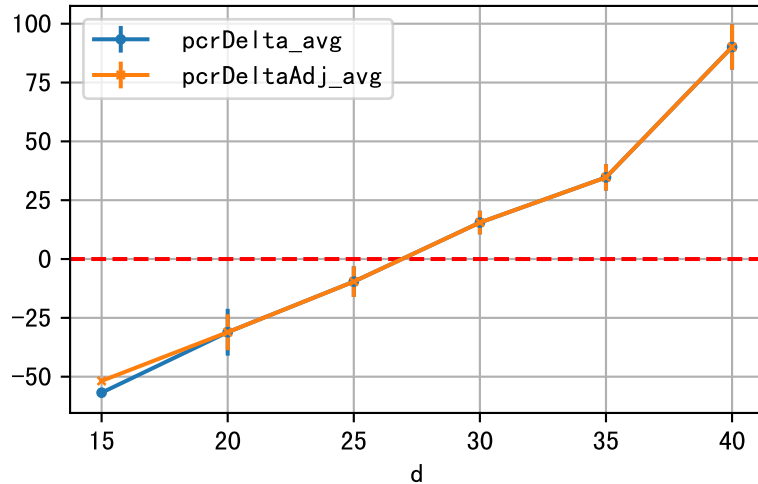


DeltaTypeAbbr=Wei AvgByD

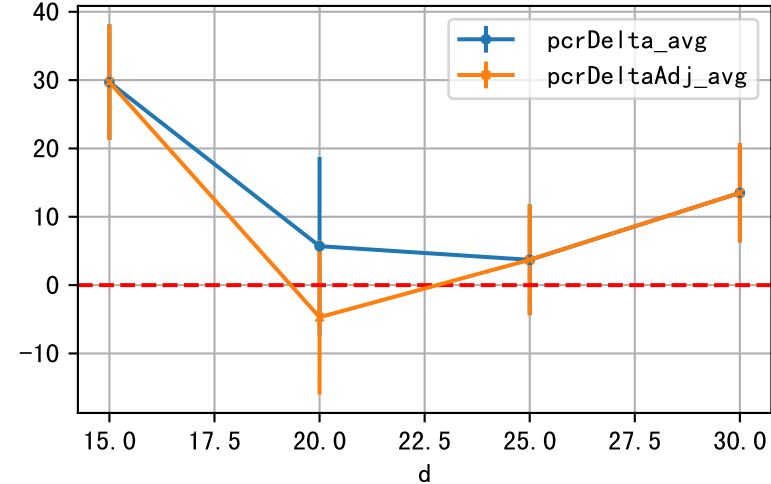


P6AE LfA: D_Est_LfA

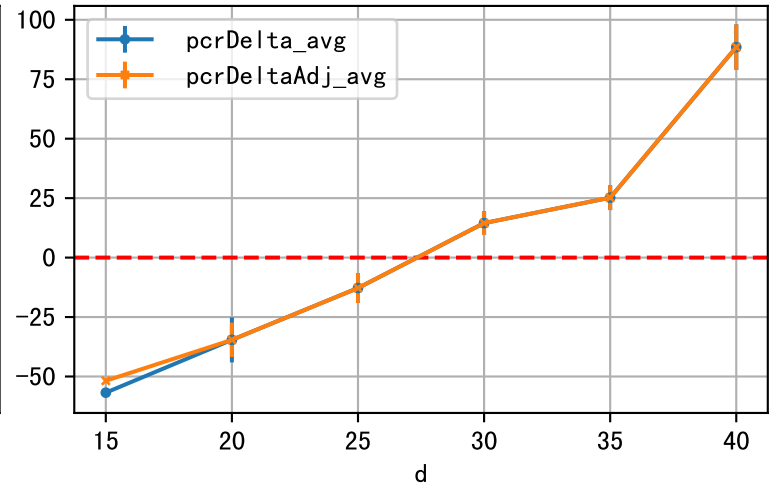
DeltaTypeAbbr=GrpByDay



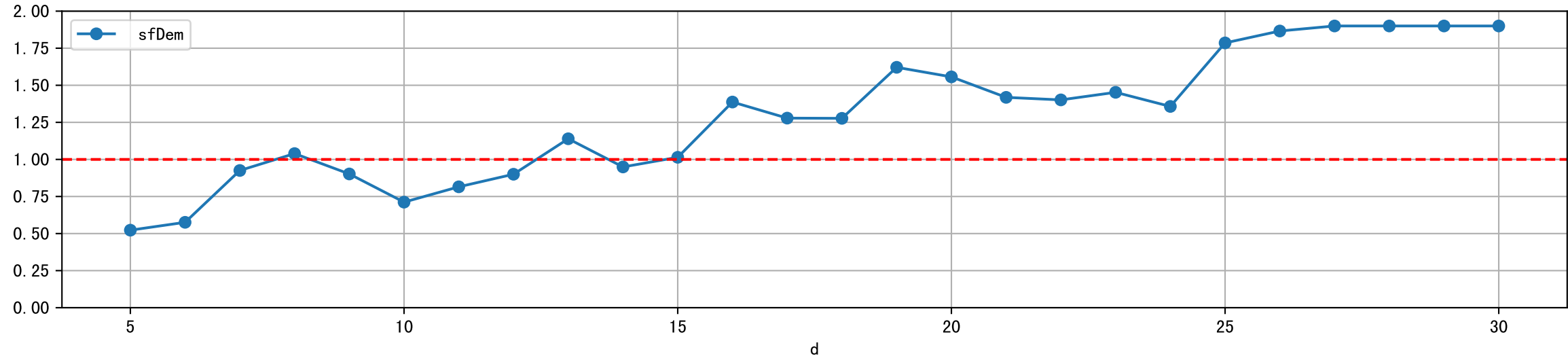
DeltaTypeAbbr=GrpByAge

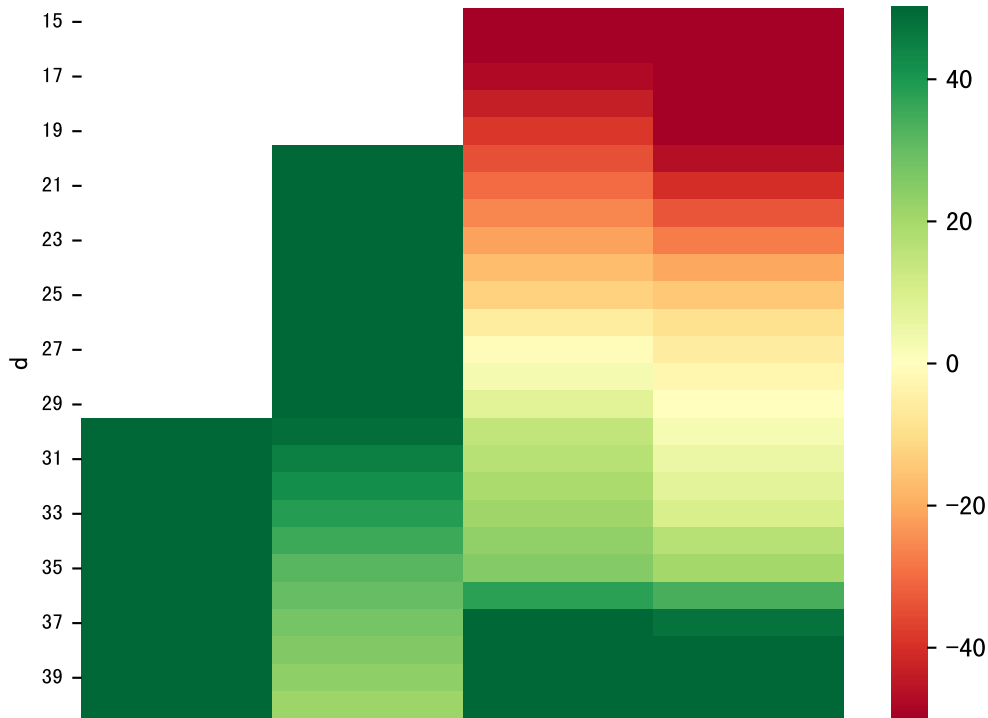


DeltaTypeAbbr=Wei AvgByD



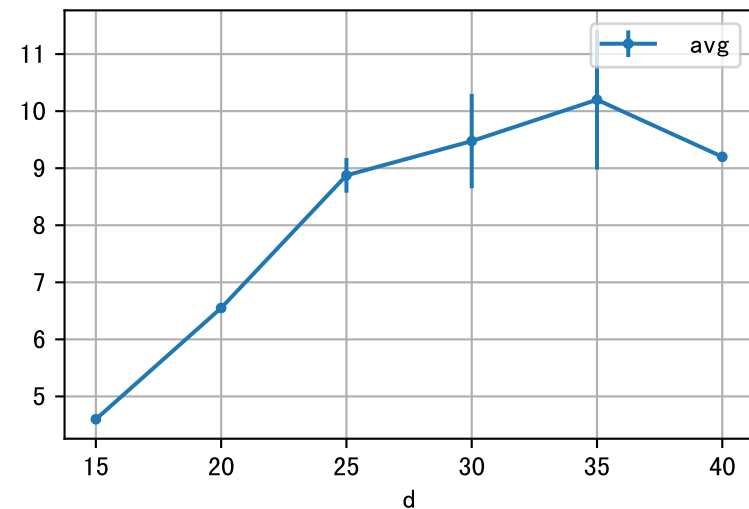
LfA: sfDem



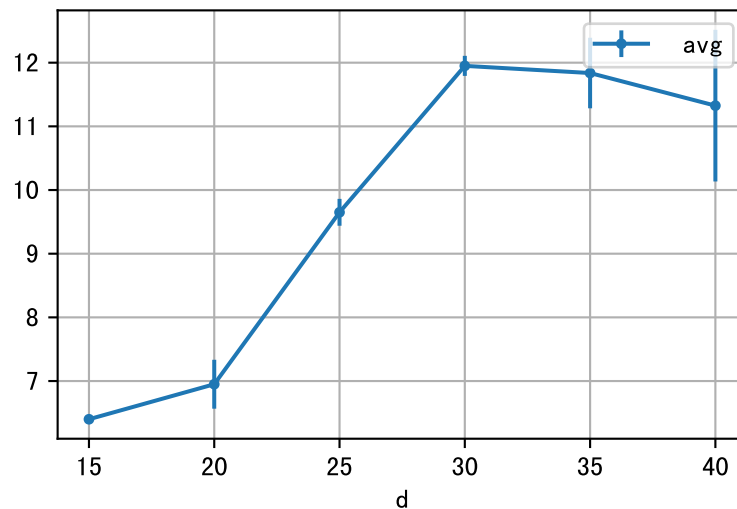


NdD: avg vs. d at each age group

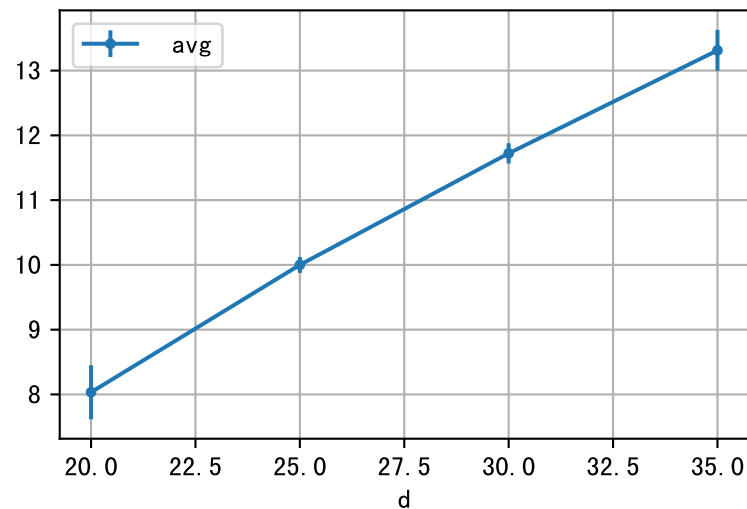
age=15



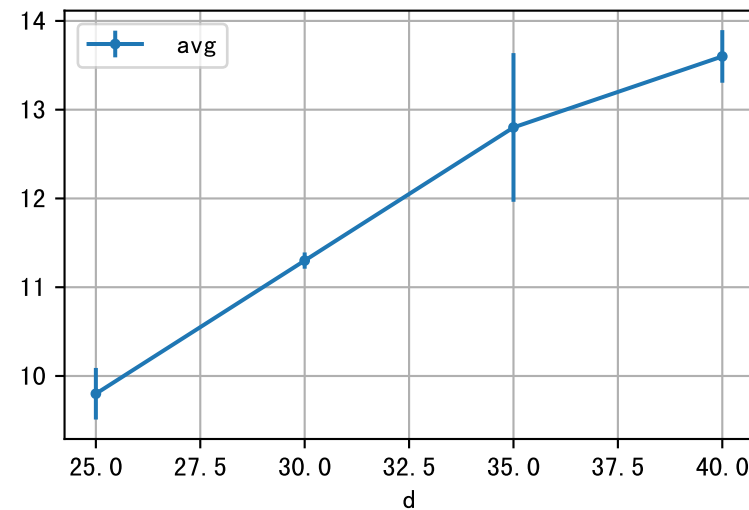
age=20



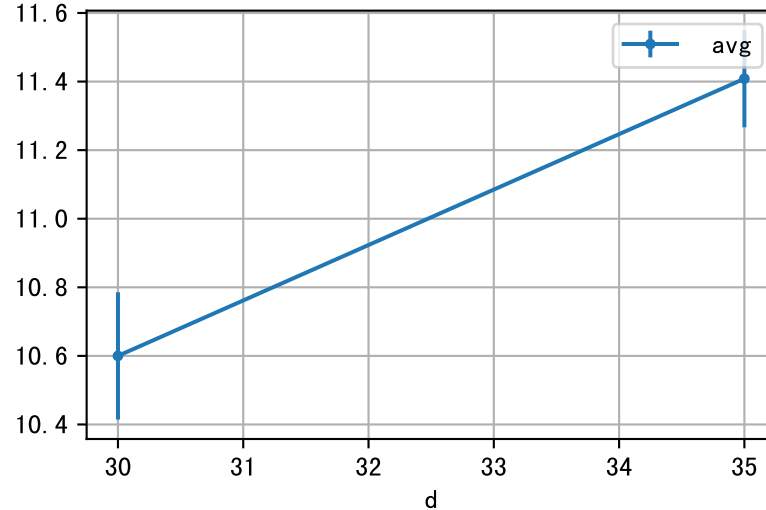
age=25



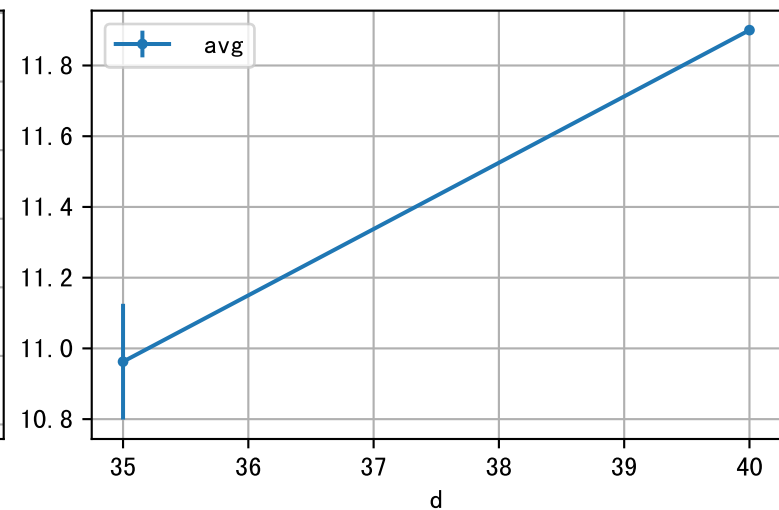
age=30



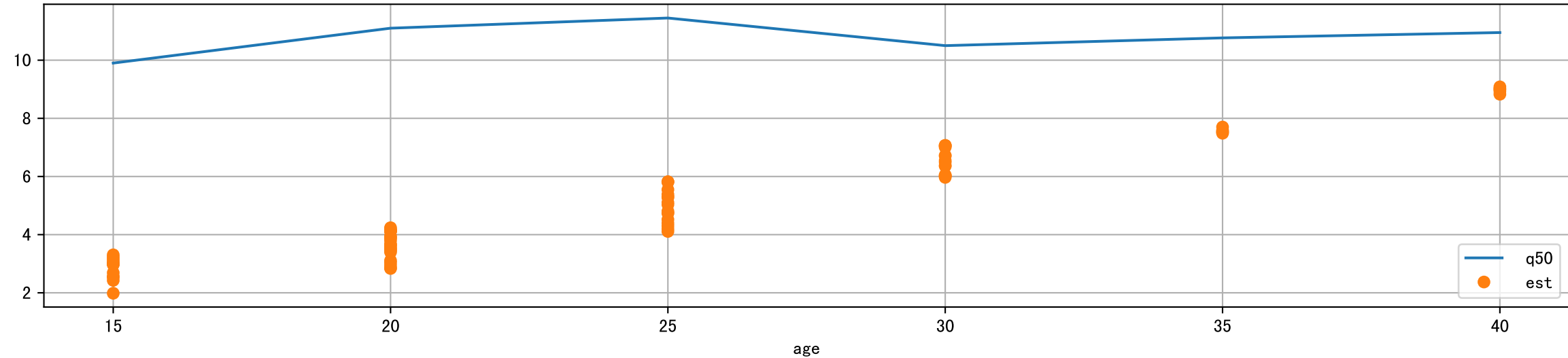
age=35



age=40

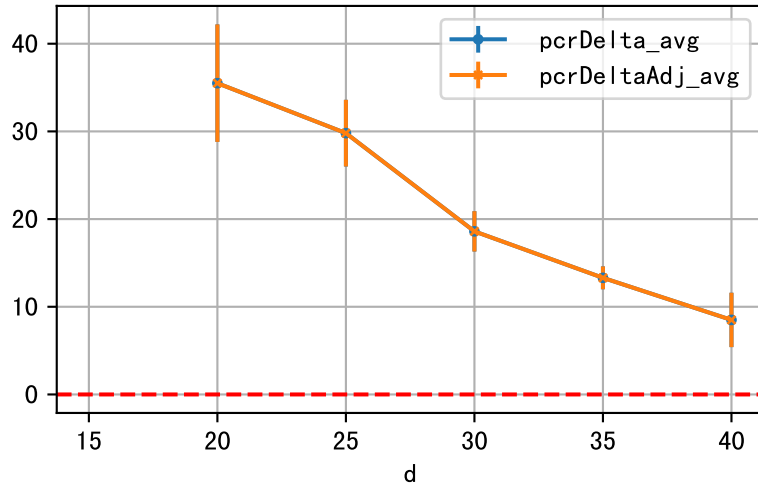


NdD: model est vs obs0v@Q50

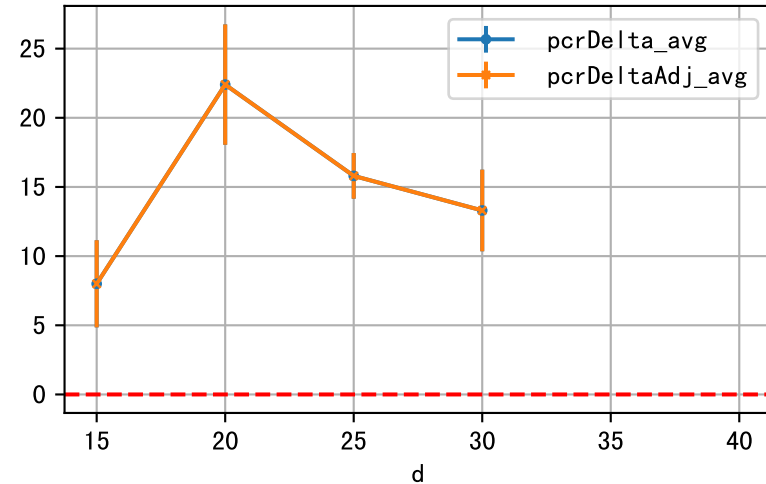


P6AE NdD: D_5d_NdD

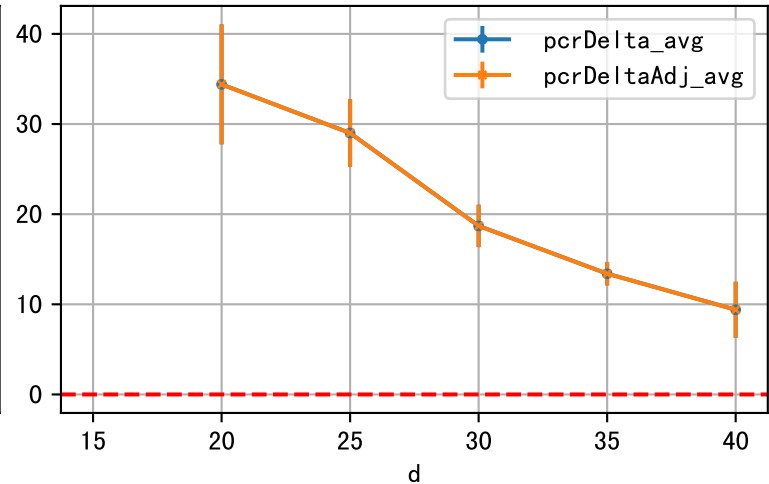
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

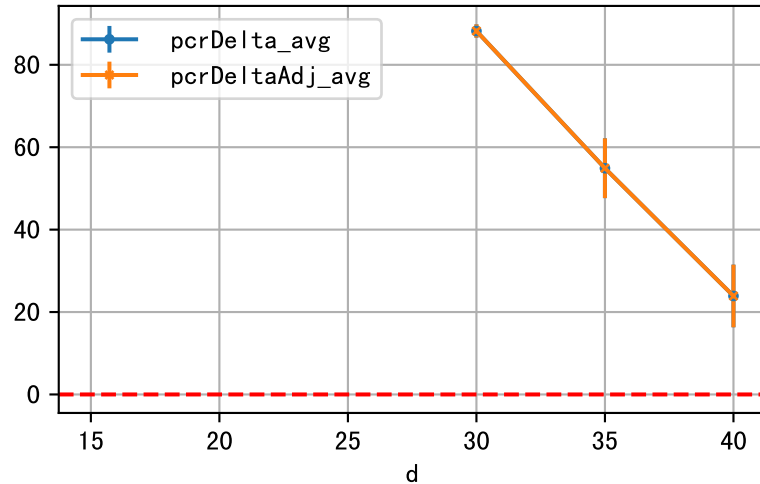


DeltaTypeAbbr=WeiAvgByD

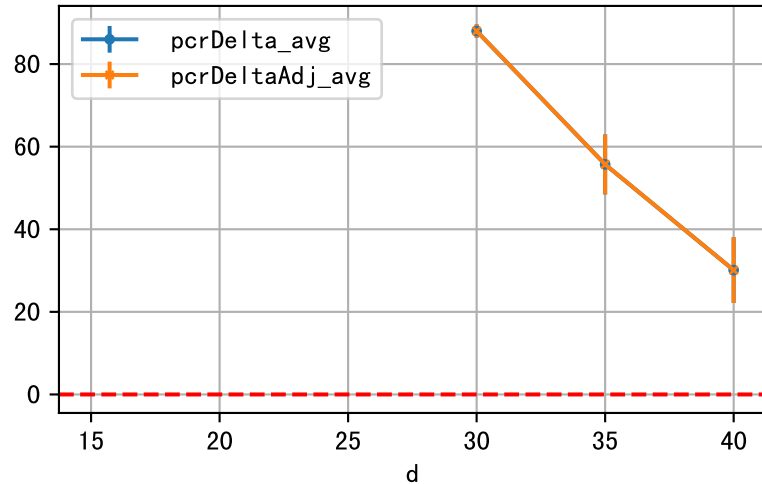


P6AE NdD: D_15d_NdD

DeltaTypeAbbr=GrpByDay

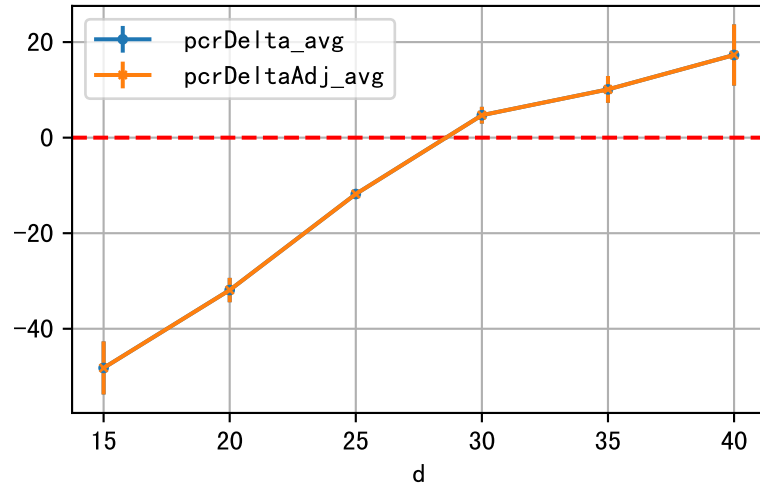


DeltaTypeAbbr=Wei AvgByD

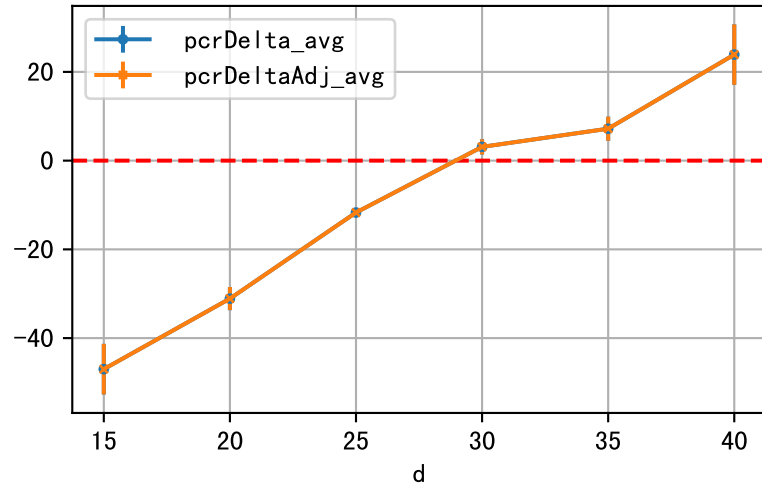


P6AE NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByDay

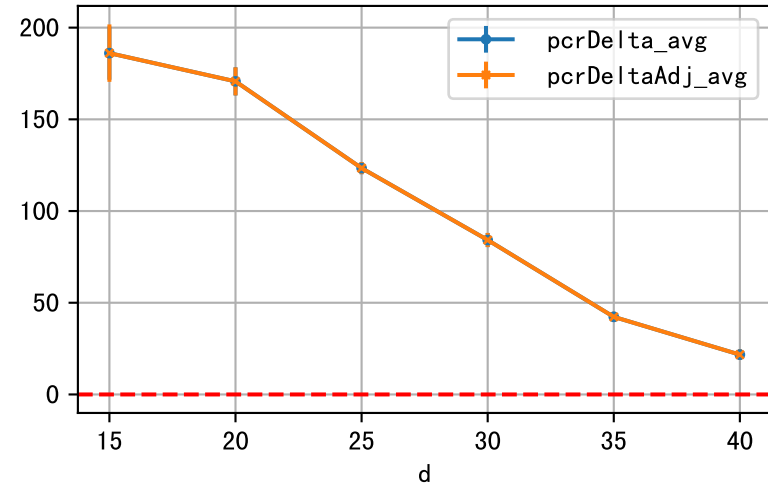


DeltaTypeAbbr=Wei AvgByD

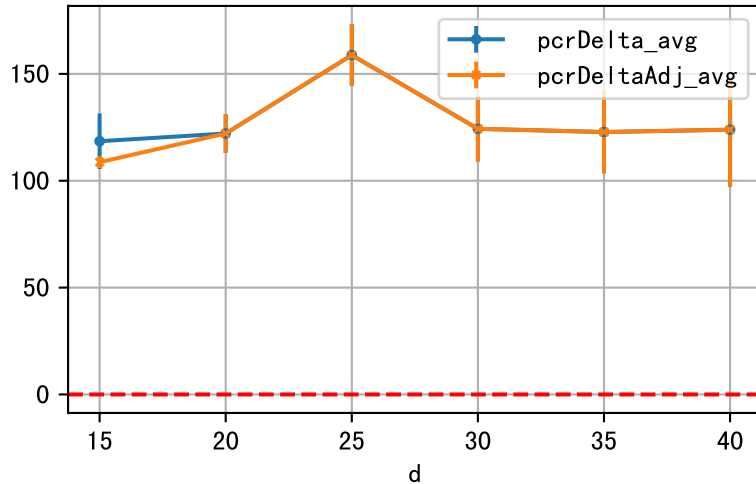


P6AE NdD: D_Est_NdD

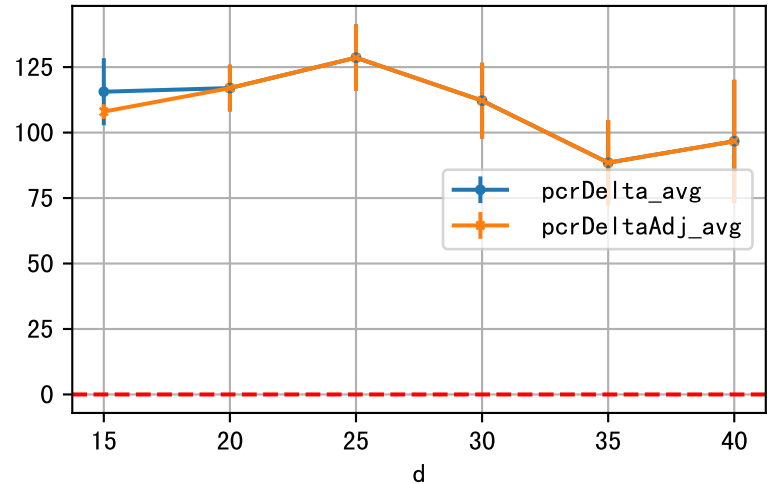
DeltaTypeAbbr=GrpByAge



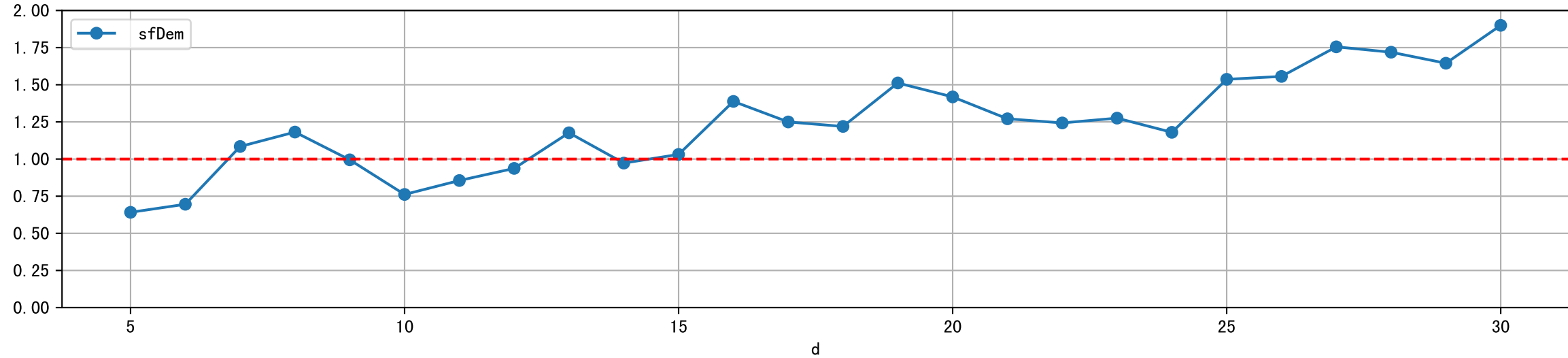
DeltaTypeAbbr=GrpByDay

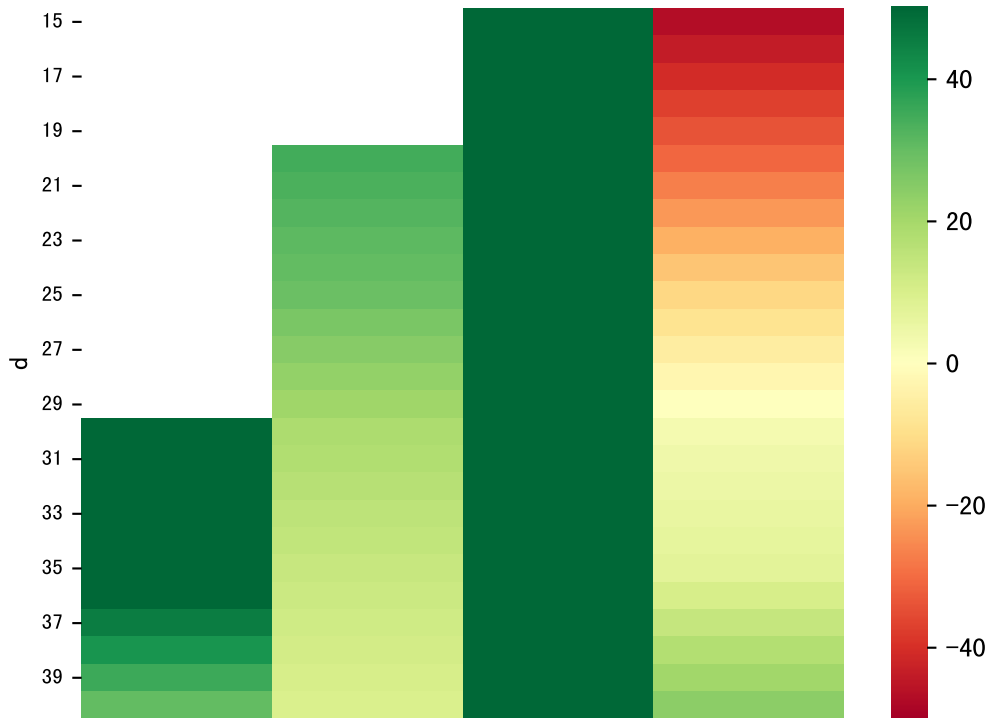


DeltaTypeAbbr=WeiAvgByD

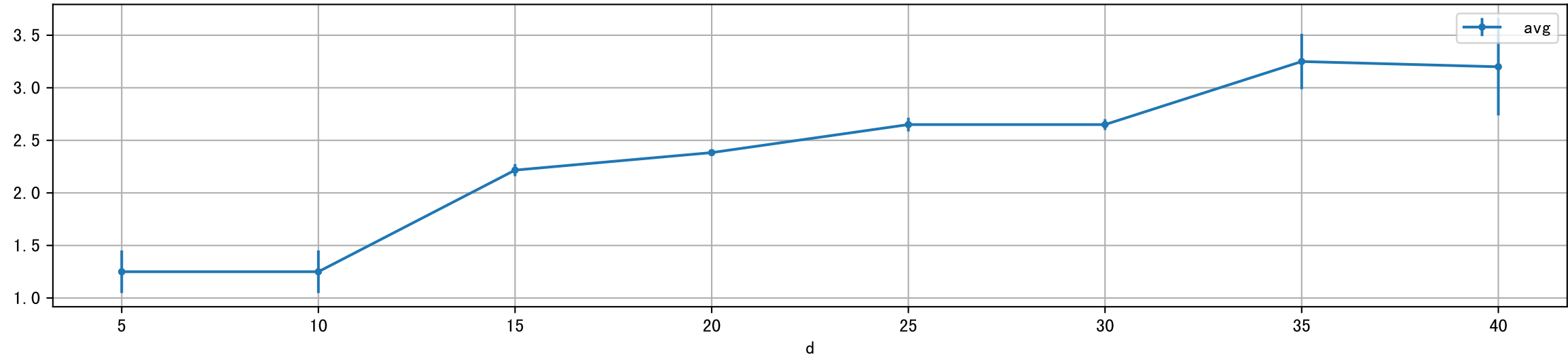


NdD: sfDem

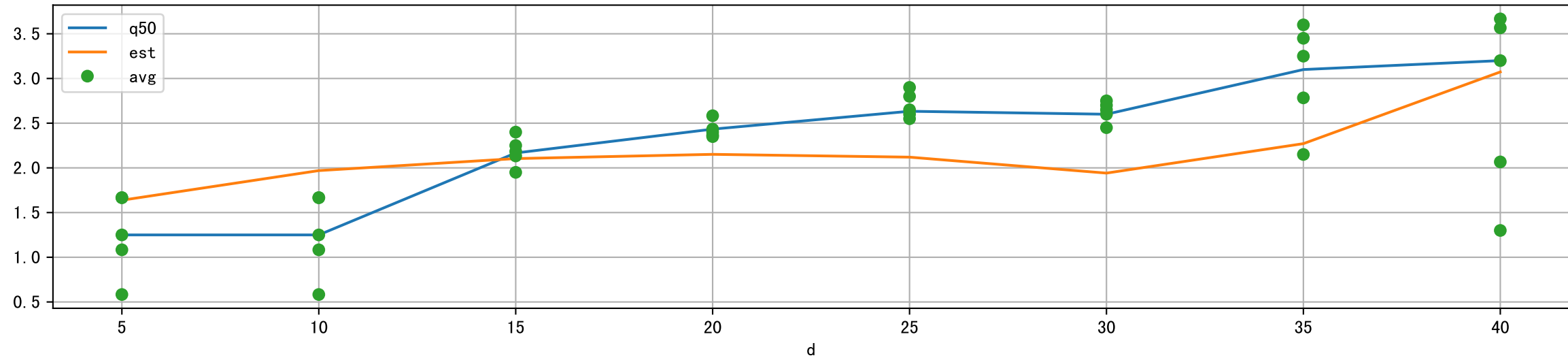




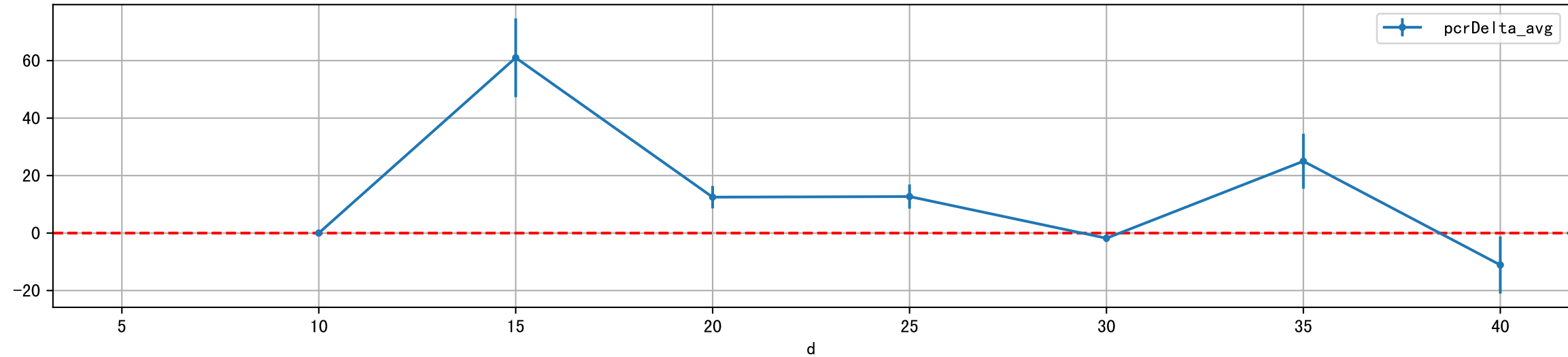
dStH: avg vs. d



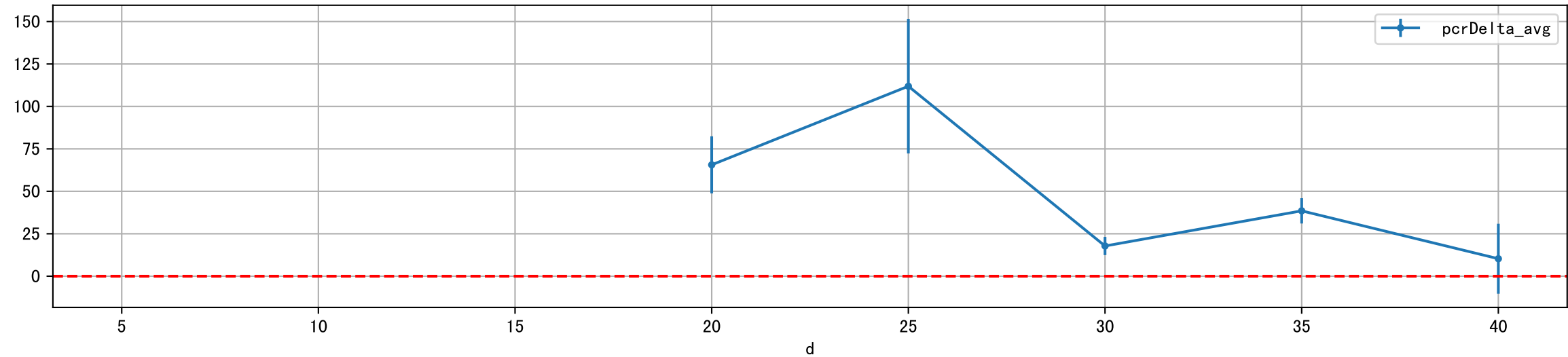
dStH: obsAvg vs obs0v@Q50



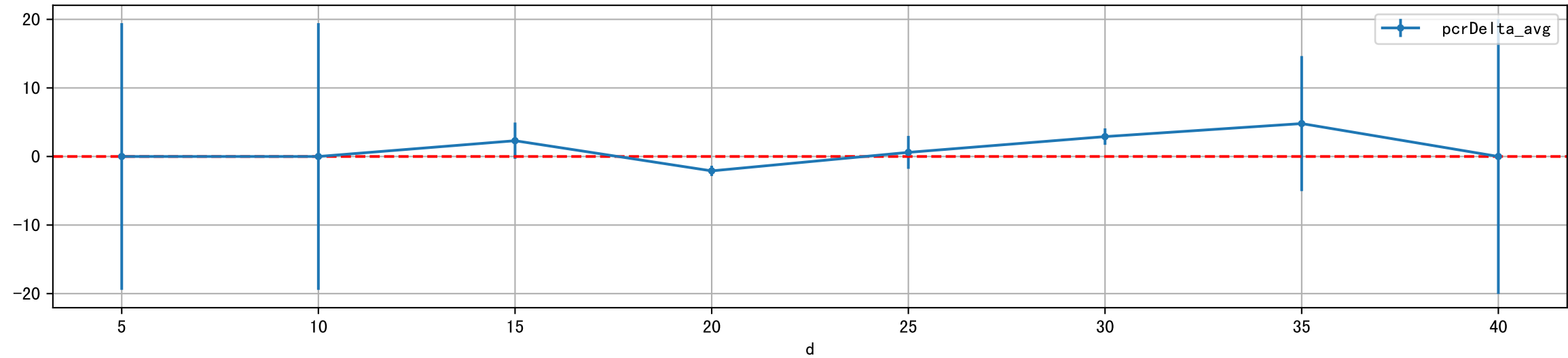
dStH: D_5d_StH



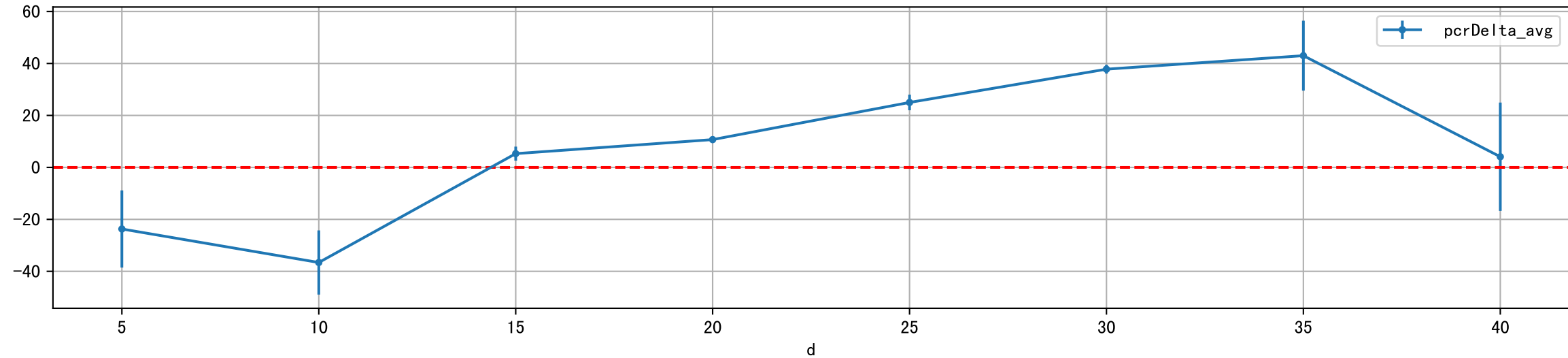
dStH: D_15d_StH



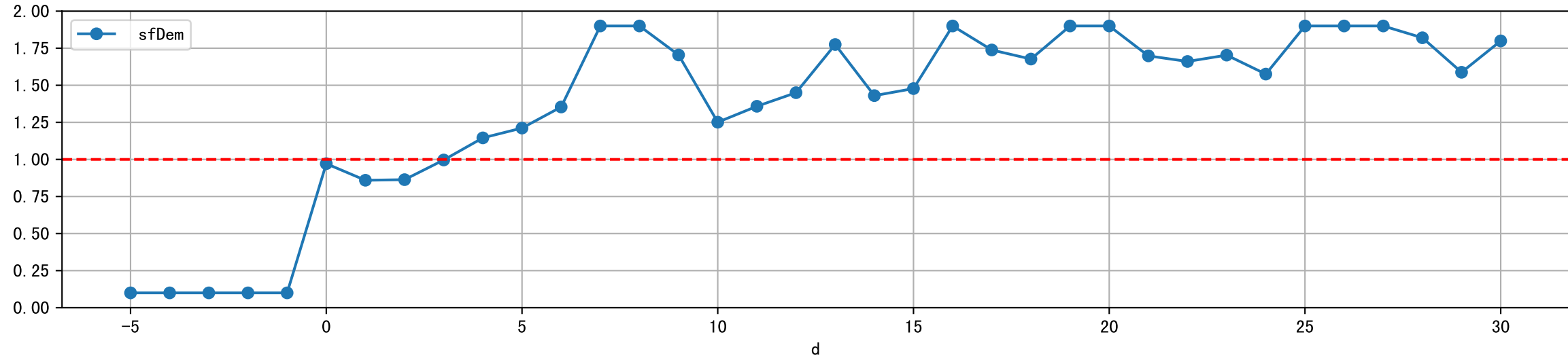
dStH: D_Q50_StH



dStH: D_Est_StH

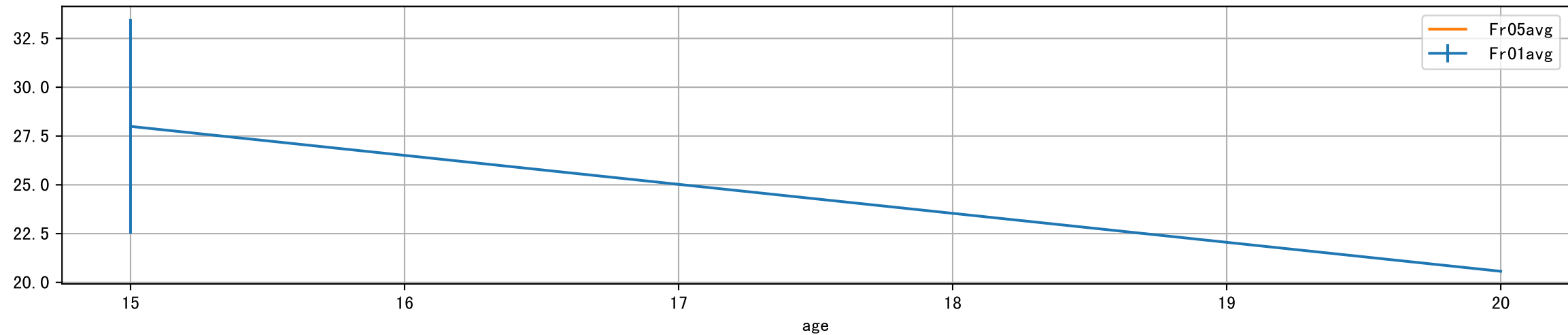


dStH: sfDem



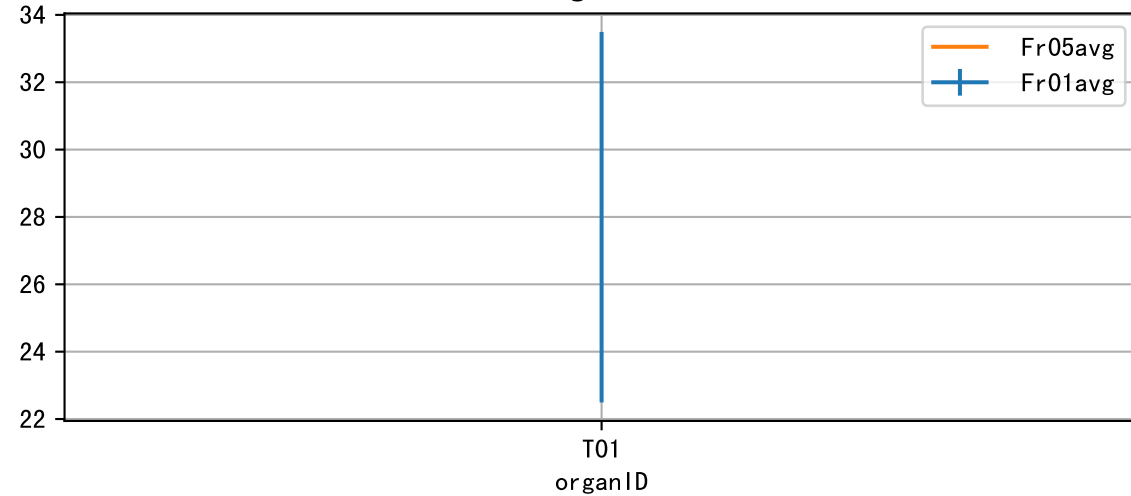


FrV: Fr01 vs Fr05 at each truss
organID=T01

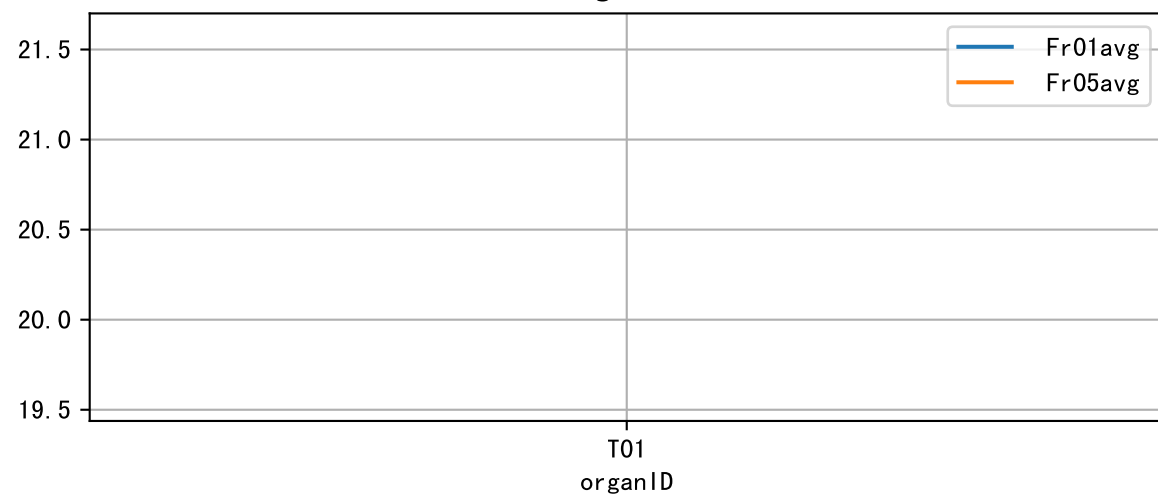


FrV trend at each age

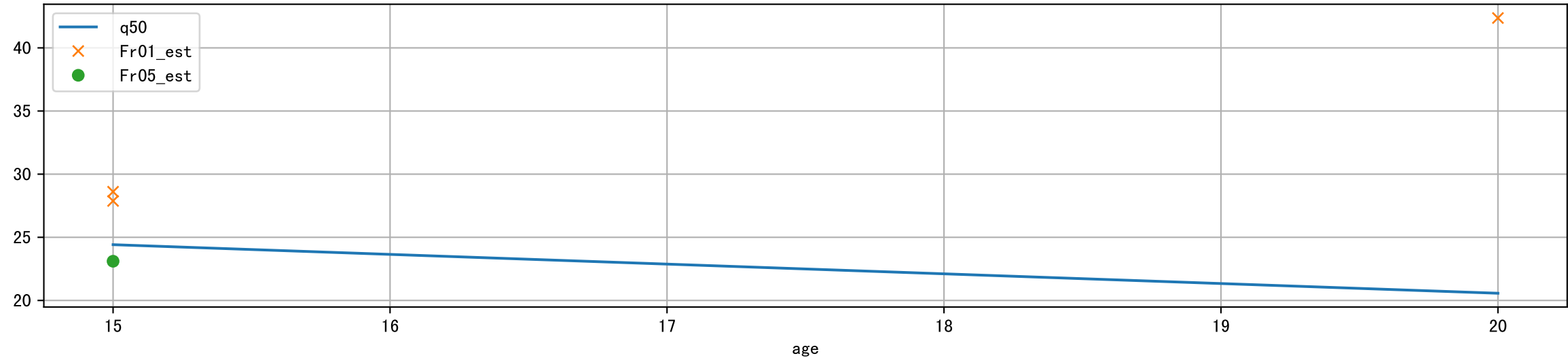
age=15



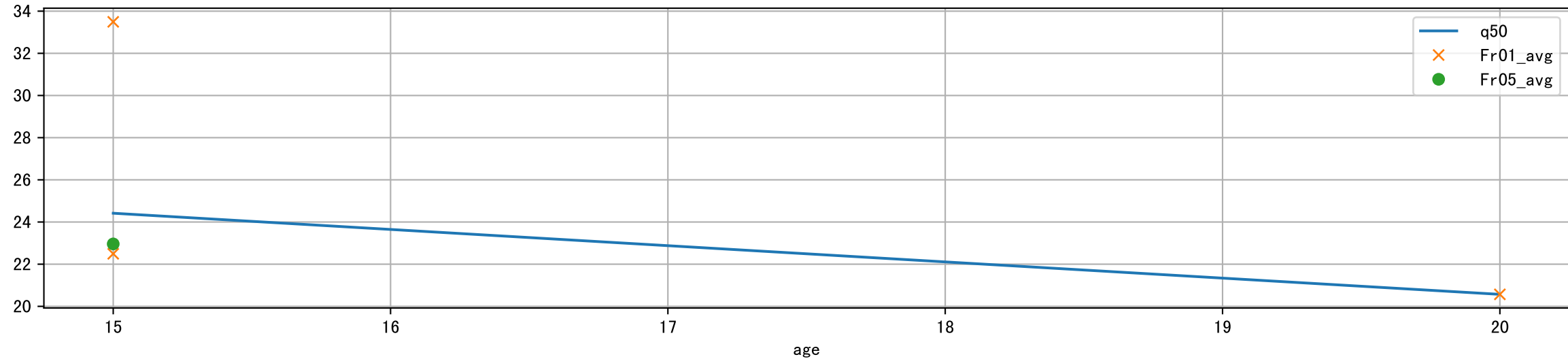
age=20



FrV: model Est vs obsFrV at Q90



FrV: obsFrV vs obsFrV@Q90

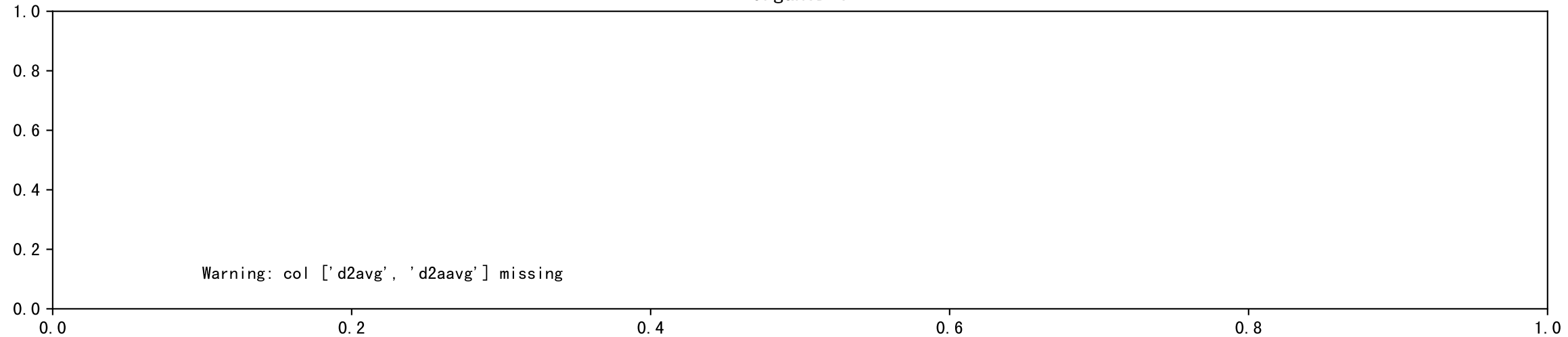


FrV: D_Fr1_FrV
organID=1

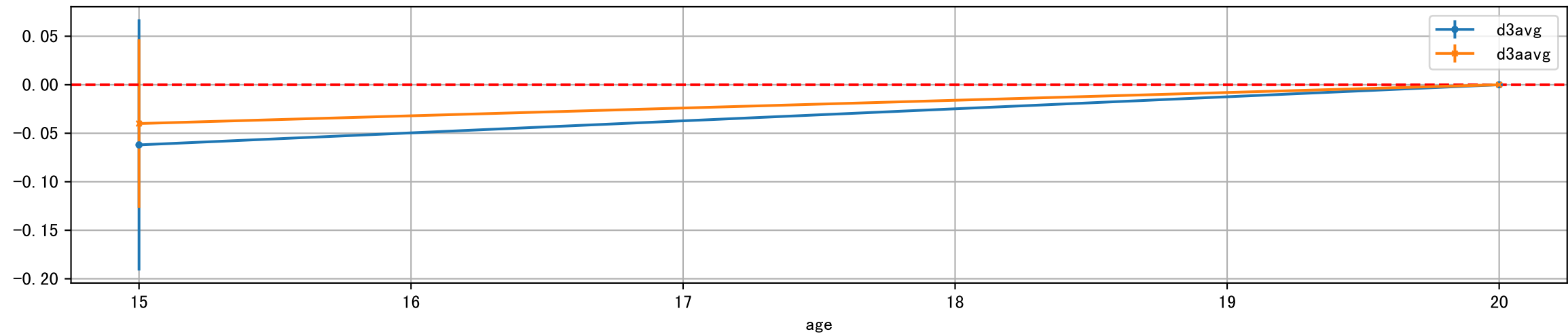
Warning: col ['d1avg', 'd1aavg'] missing

FrV: D_Ts_FrV
organID=1

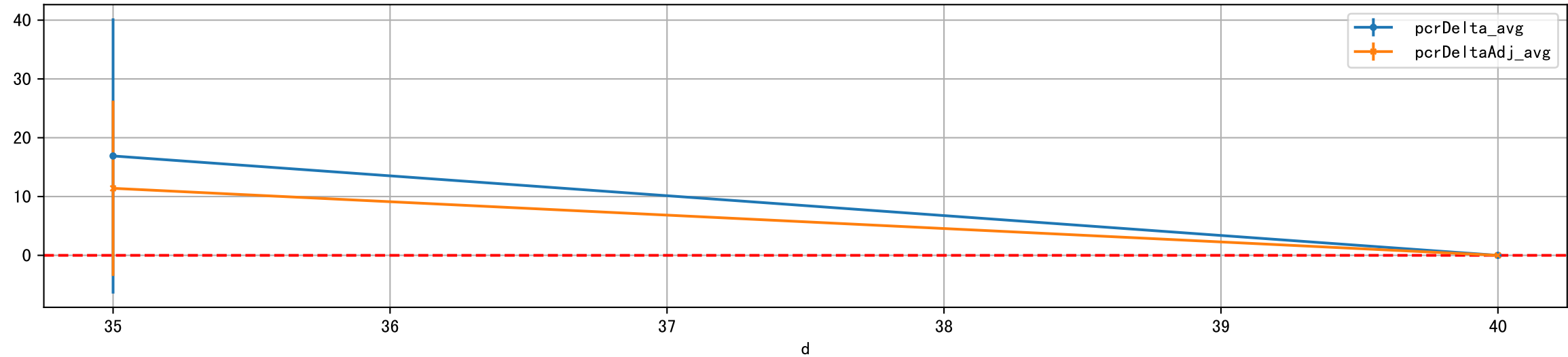
Warning: col ['d2avg', 'd2aavg'] missing



FrV: D_Q50_FrV
organID=1



P6AE FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=1

