

Phenotype Data Analysis Plots

PhenoData day range = 5 - 36

Analysis cutoff day = 36

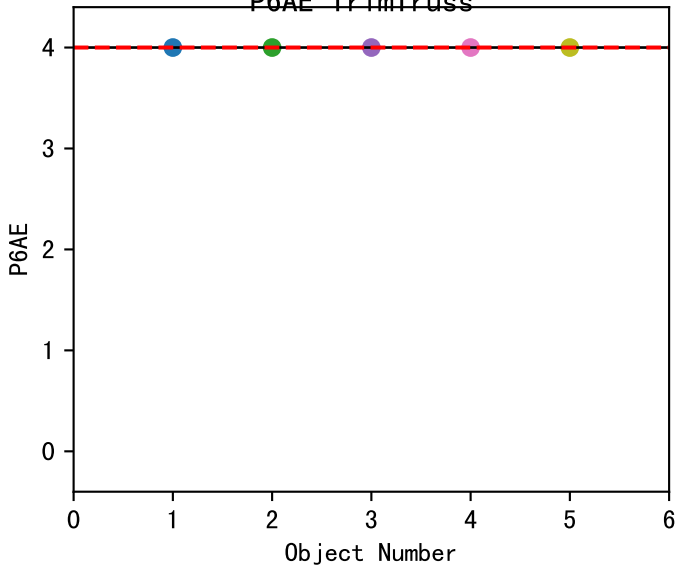
NC11 P6

2025-05-12 (Day 37)

TrussNodeMaxPerStem (Def=4.0 Set=4)

avg1=4.0~0% avg2=na

P6AE TrimTruss



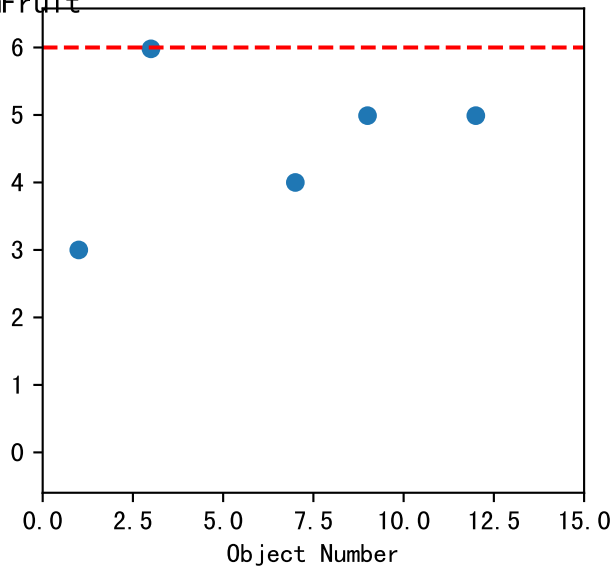
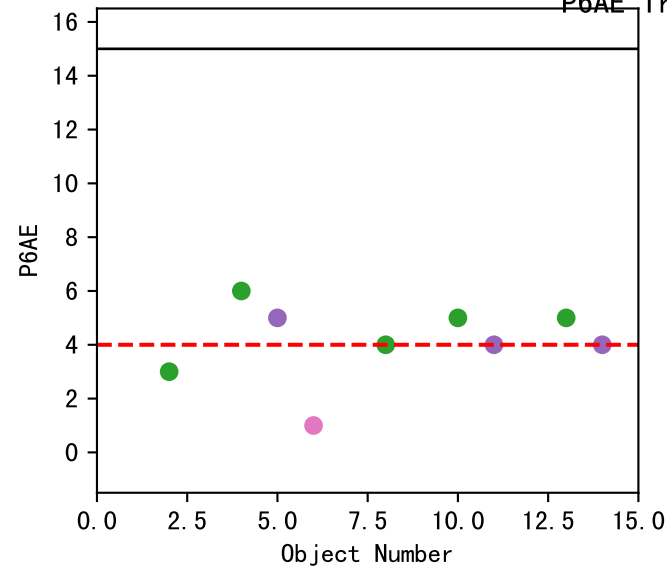
FruitNumAvgPerTruss (Def=15 Set=4)

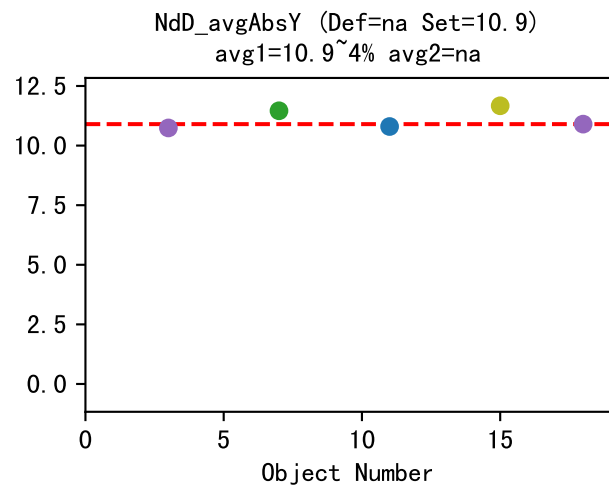
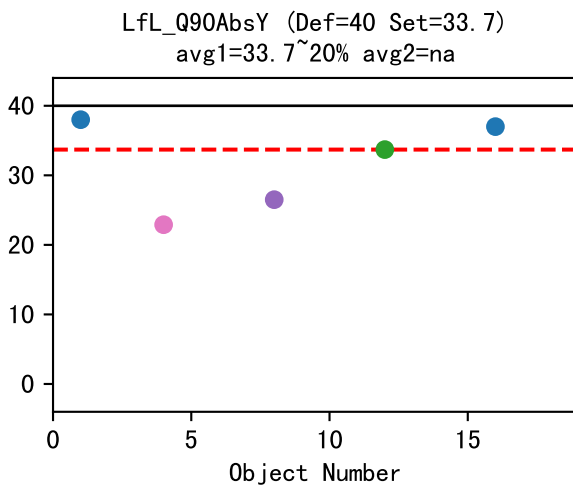
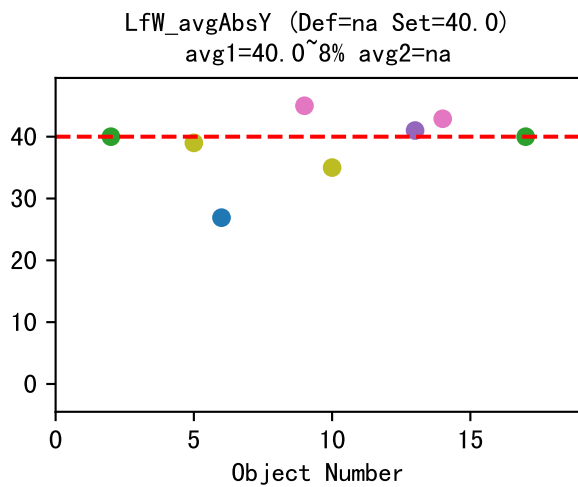
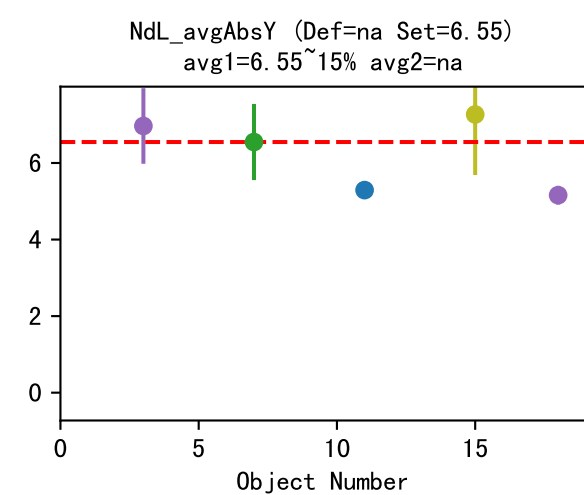
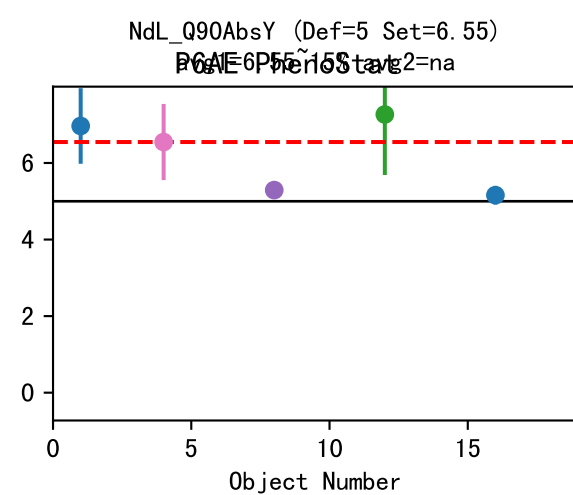
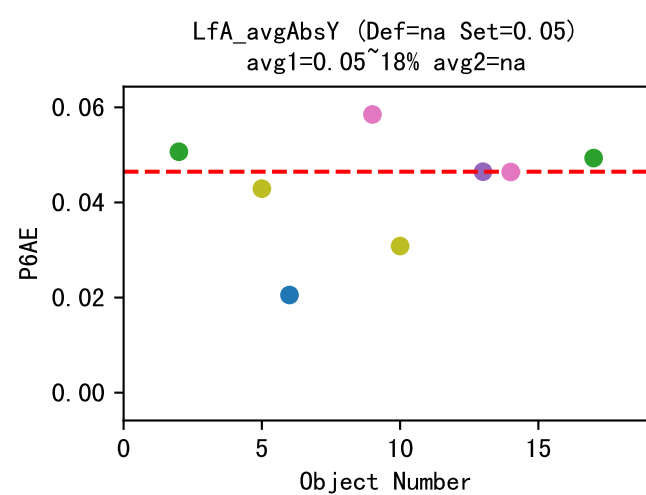
avg1=4.0~21% avg2=na

P6AE TrimFruit

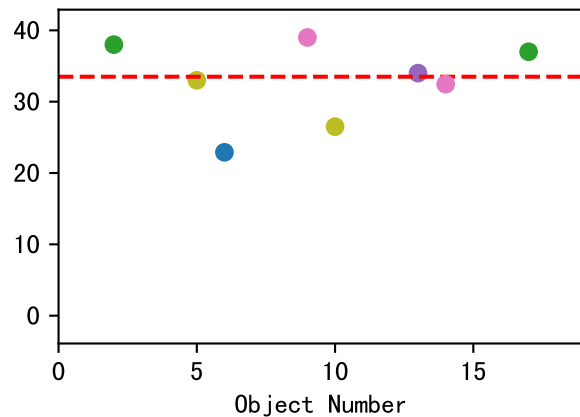
FruitNumMaxPerTruss (Def=na Set=6)

avg1=6.0~20% avg2=na

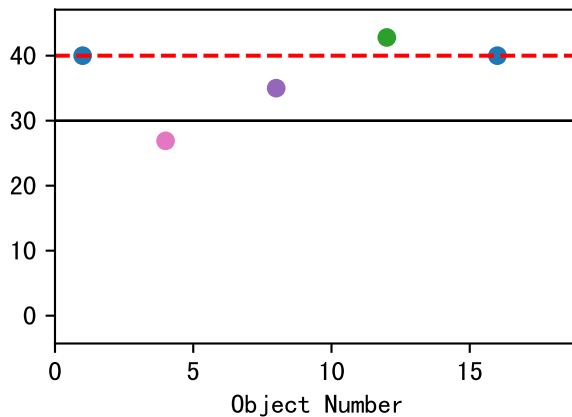




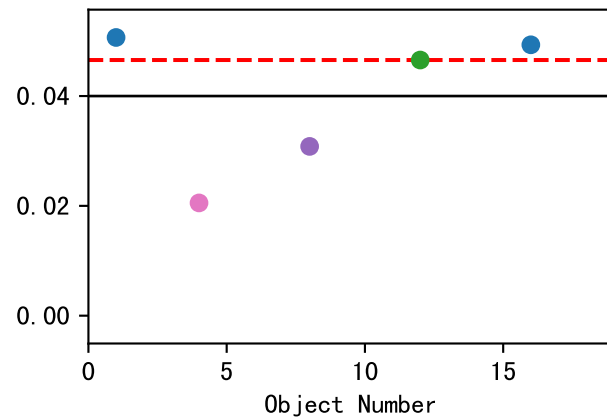
LfL_avgAbsY (Def=na Set=33.5)
avg1=33.5~17% avg2=na



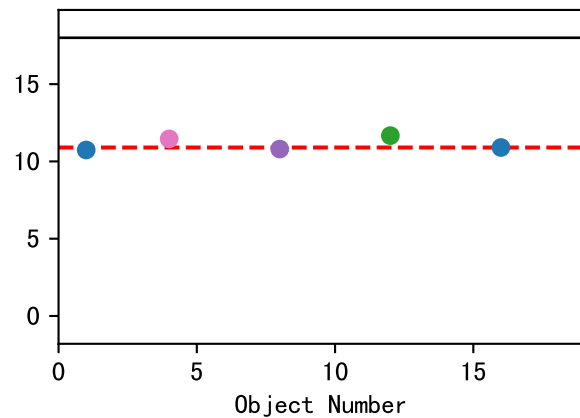
LfW_Q90AbsY (Def=30 Set=40.0)
avg1=40.0~8% avg2=na



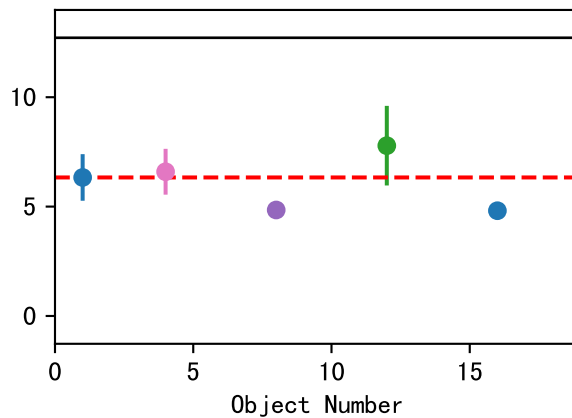
LfA_Q90AbsY (Def=0.04 Set=0.05)
avg1=0.05~29% avg2=na



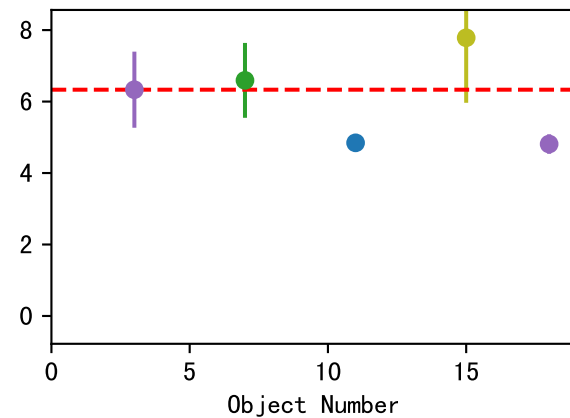
NdD_Q90AbsY (Def=18 Set=10.9)
avg1=10.9~4% avg2=na



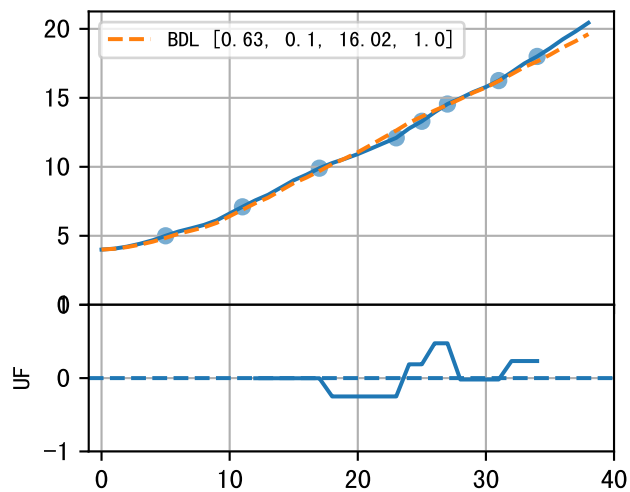
NdV_Q90AbsY (Def=12.72 Set=6.33)
avg1=6.33~20% avg2=na



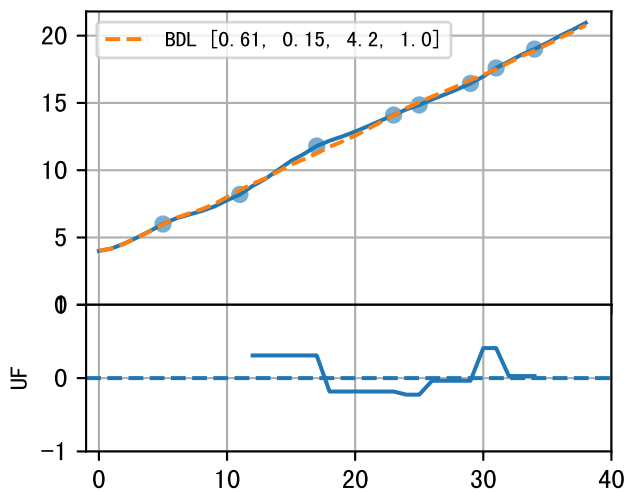
NdV_avgAbsY (Def=na Set=6.33)
avg1=6.33~20% avg2=na



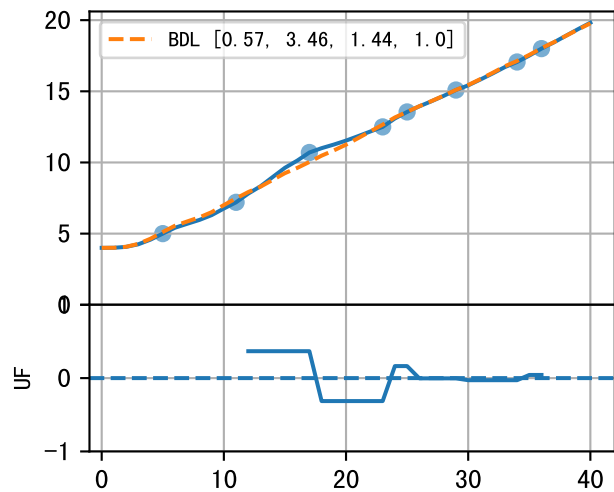
P6AE-007-10 (fit failed)



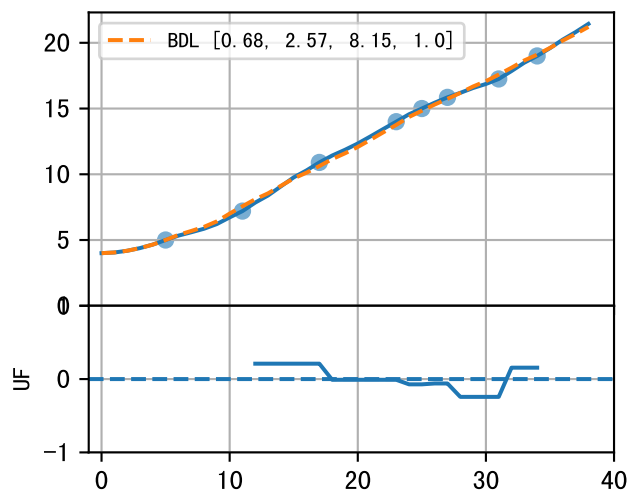
P6AE-014-10 (fit failed)



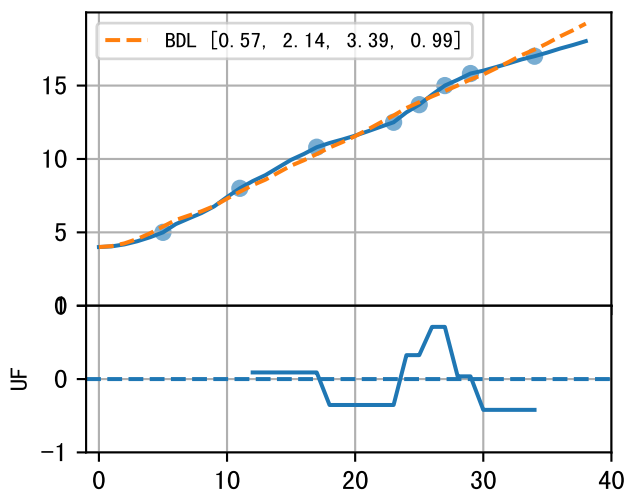
P6AE-026-25 (fit failed)



P6AE-033-4 (fit failed)



P6AE-045-12 (fit failed)

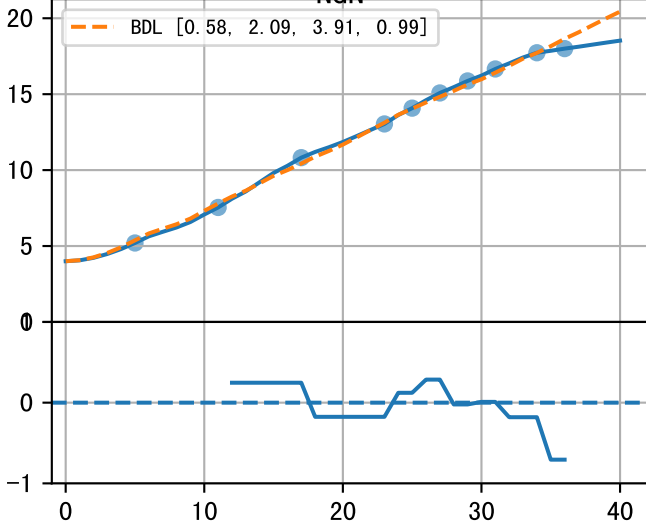


P6AEavg (fit failed)

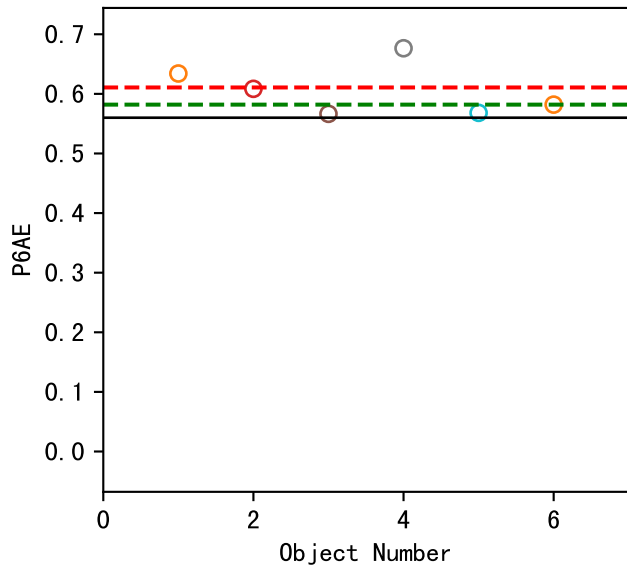
NdN

BDL [0.58, 2.09, 3.91, 0.99]

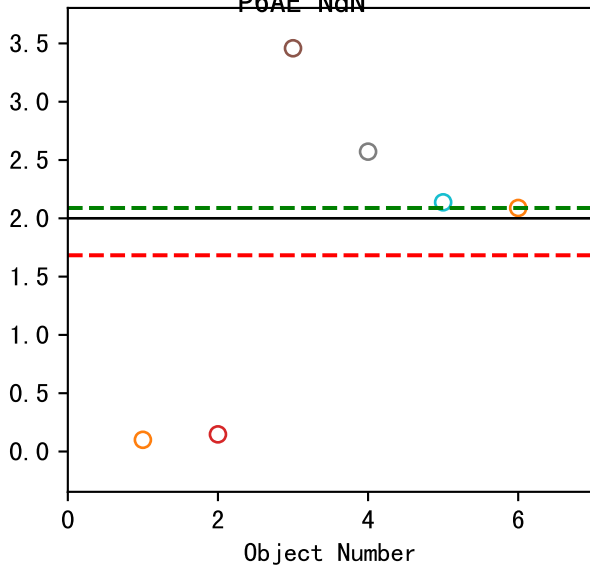
UF



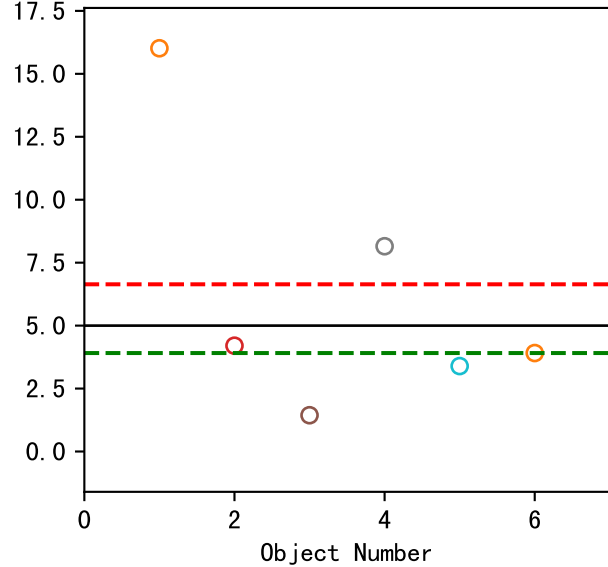
a (Def=0.56 Set=0.58)
avg1=0.61(fail) avg2=0.58



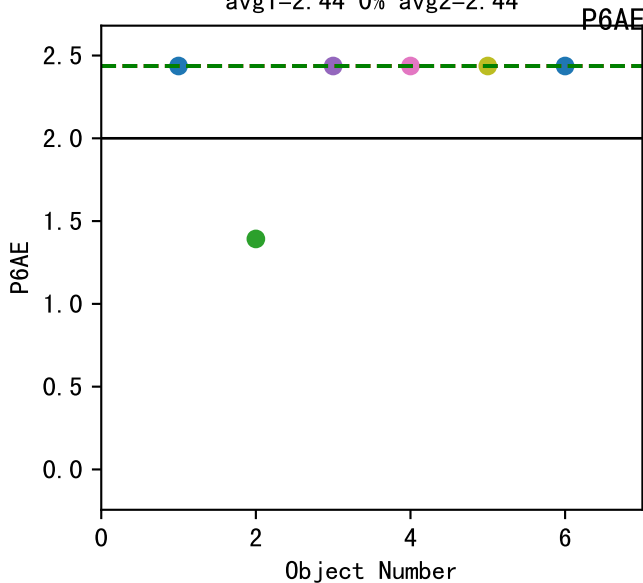
dm (Def=2 Set=2.09)
avg1=1.68(fail) avg2=2.09



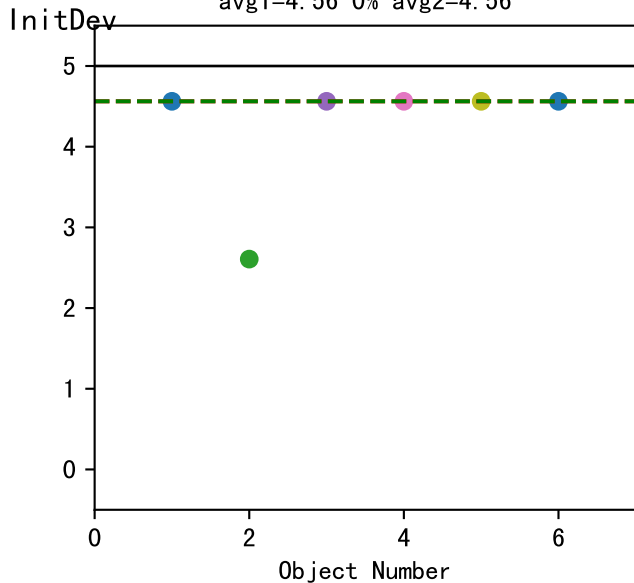
de (Def=5 Set=3.91)
avg1=6.64(fail) avg2=3.91



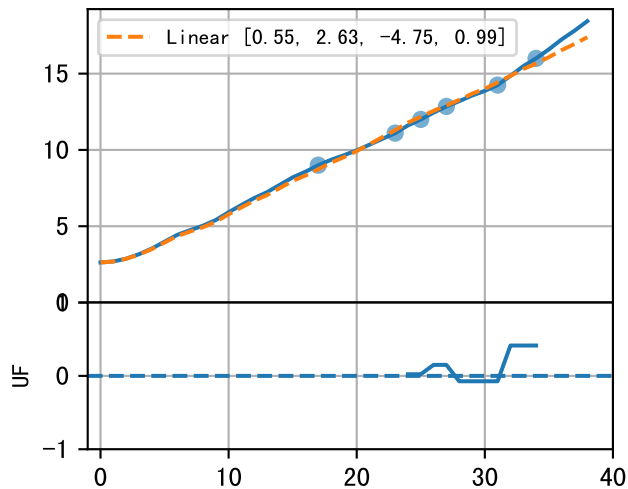
InitDev_dm (Def=2 Set=2.44)
avg1=2.44~0% avg2=2.44



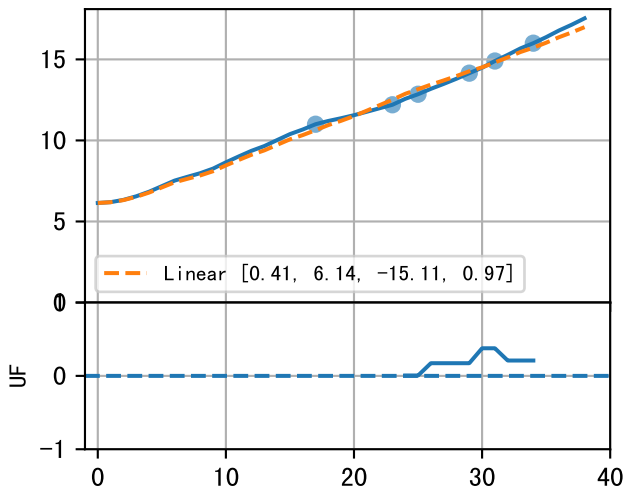
InitDev_de (Def=5 Set=4.56)
avg1=4.56~0% avg2=4.56



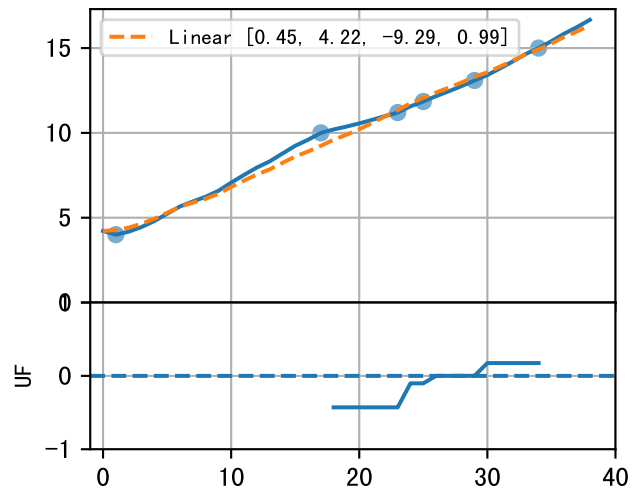
P6AE-007-10



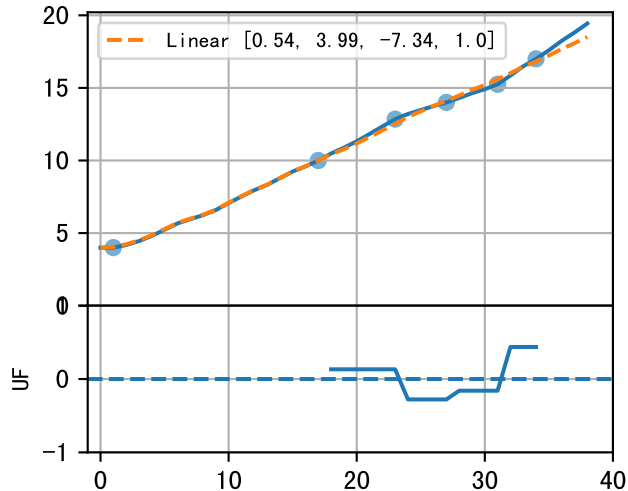
P6AE-014-17



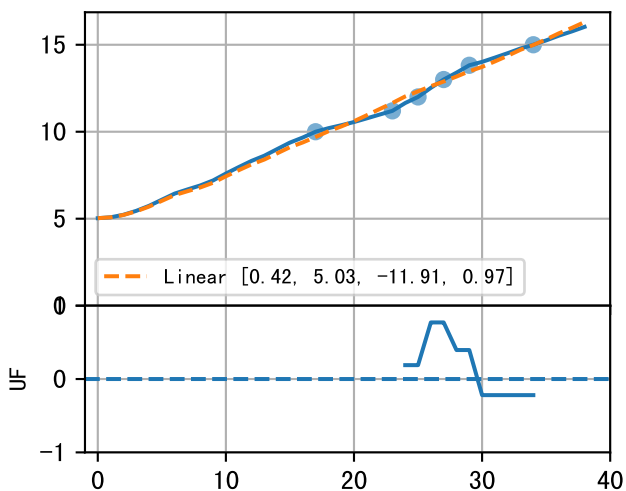
P6AE-026-25



P6AE-033-4



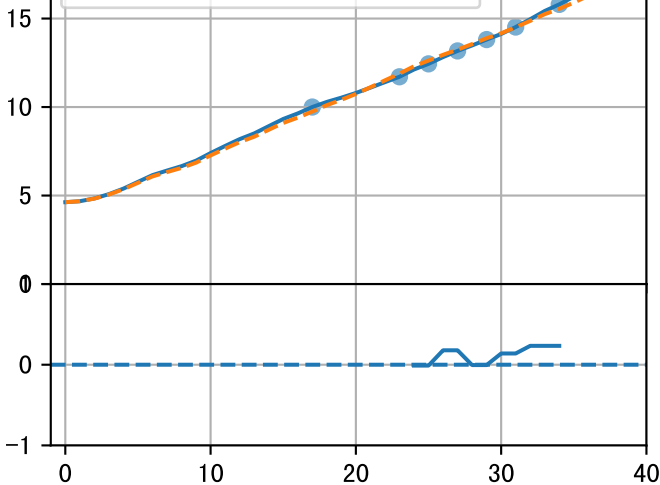
P6AE-045-12

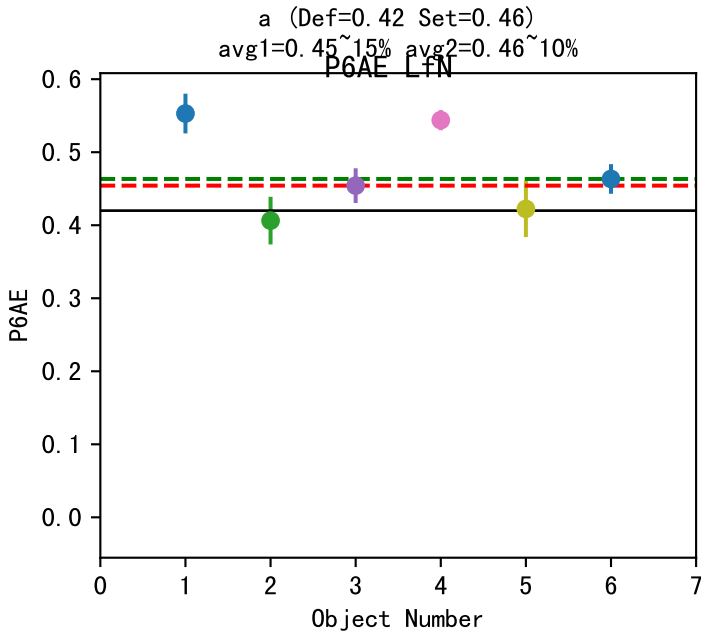


P6AEavg
L_{FN}

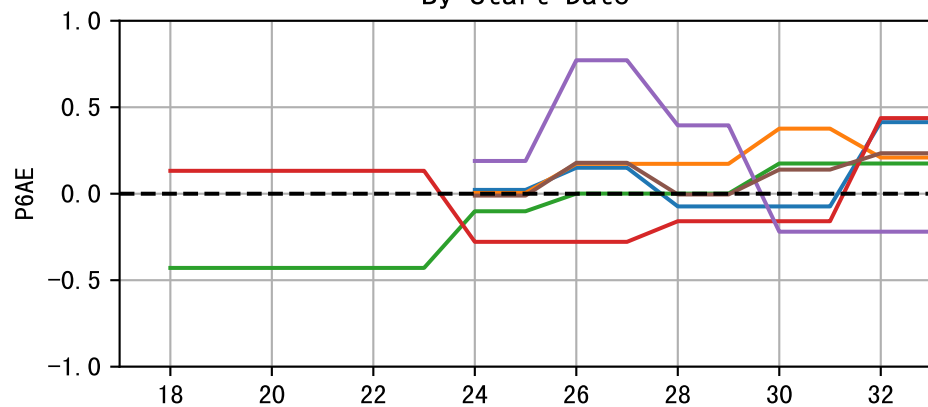
Linear [0.46, 4.62, -9.98, 0.99]

UF

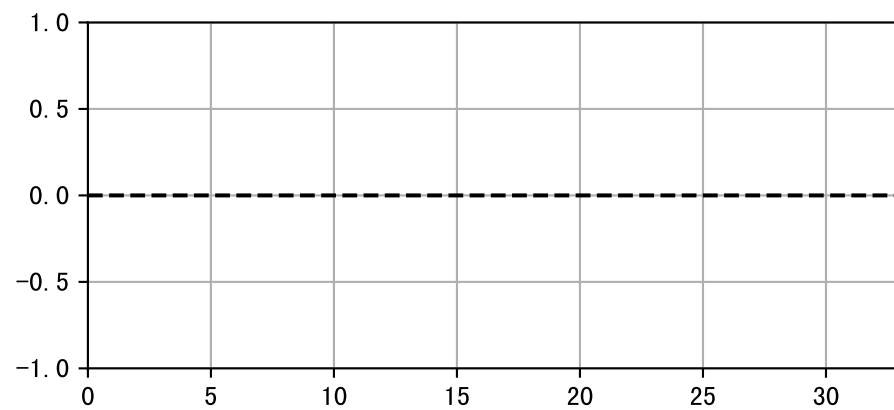
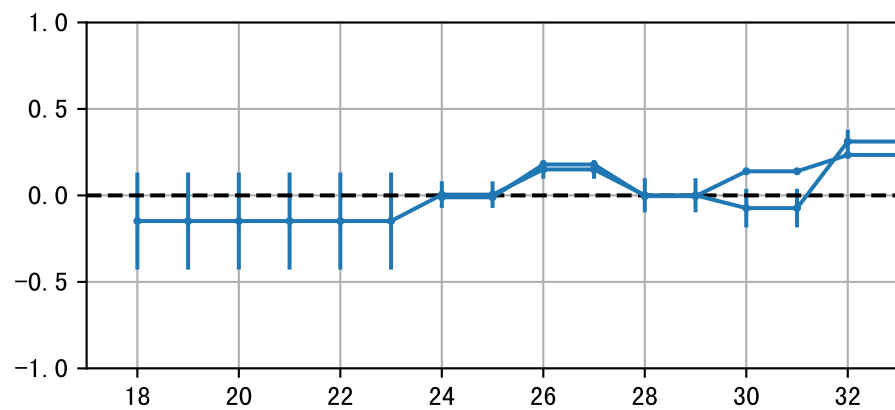
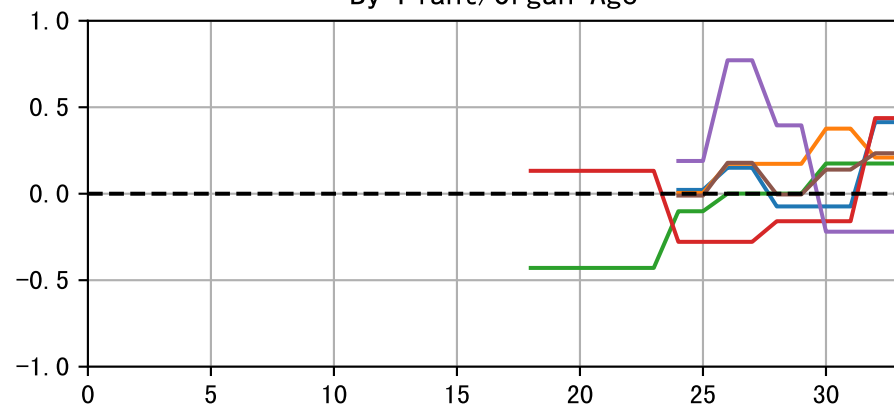




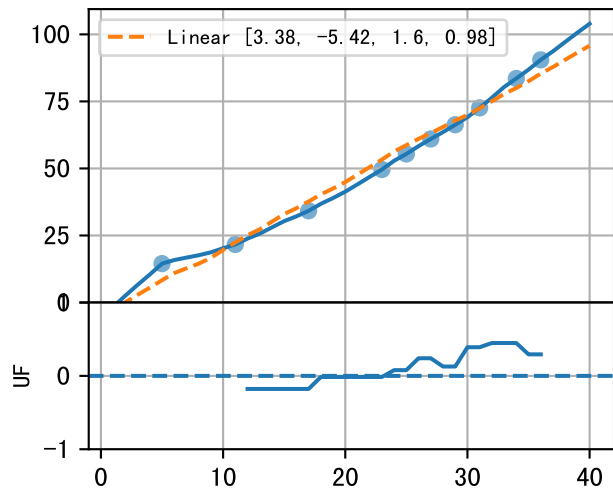
By Start Date



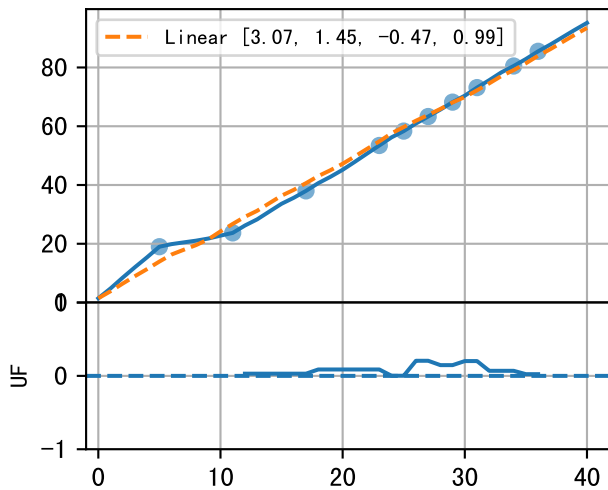
By Plant/Organ Age



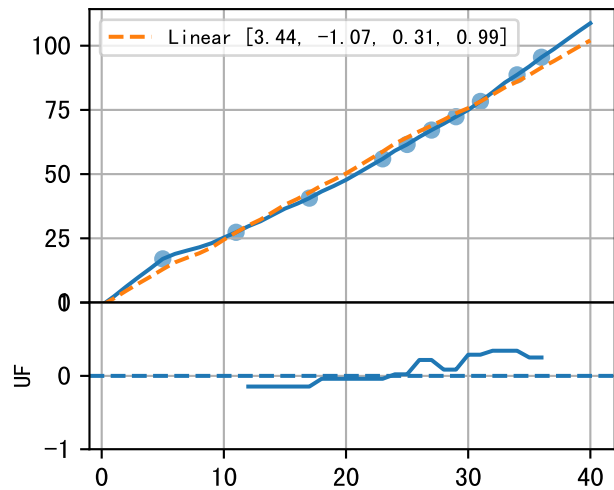
P6AE-007-10



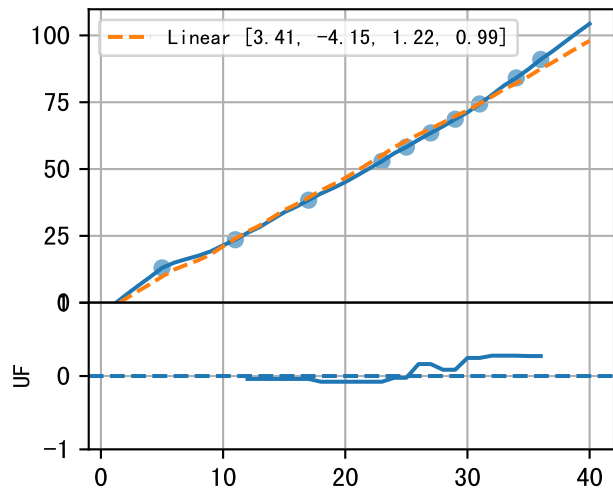
P6AE-014-17



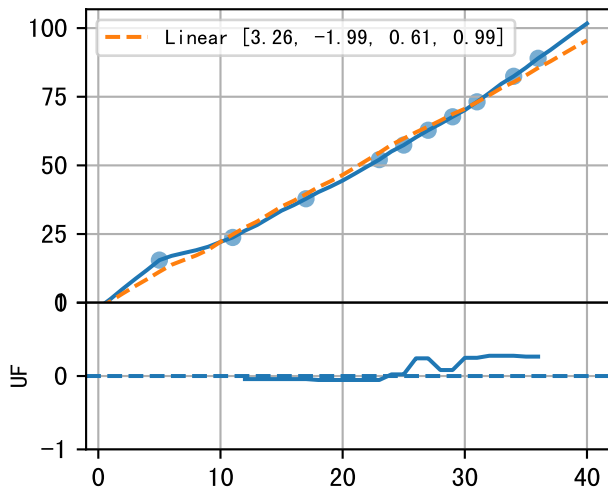
P6AE-026-25



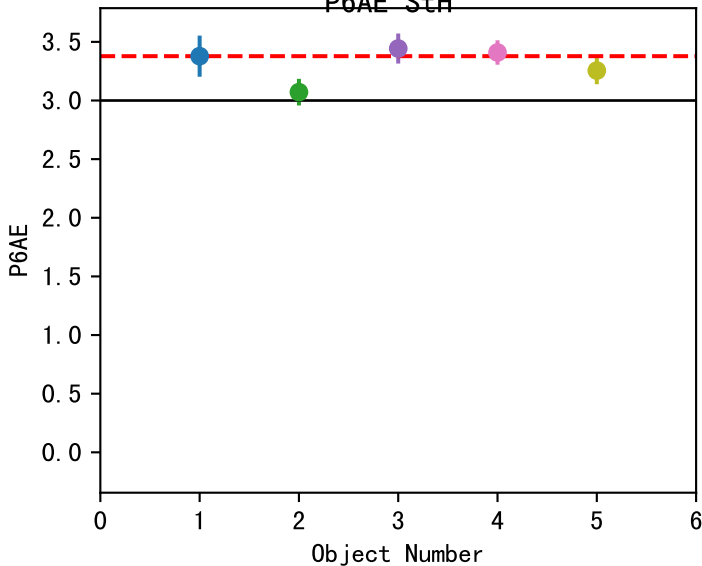
P6AE-033-4



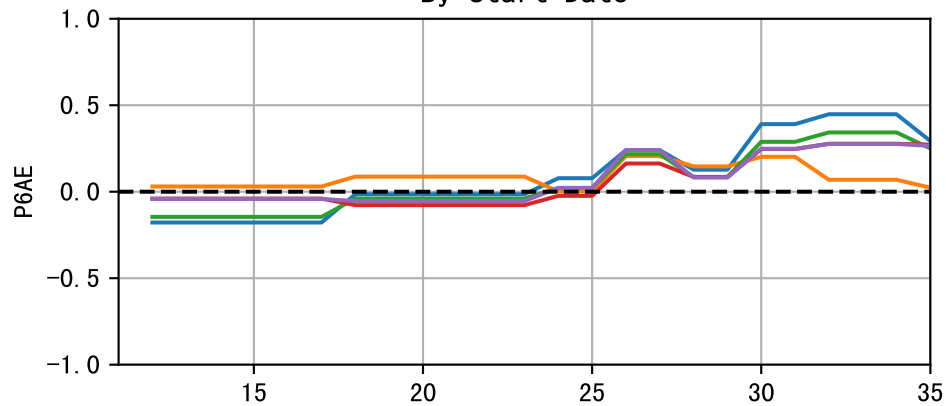
P6AE-045-12



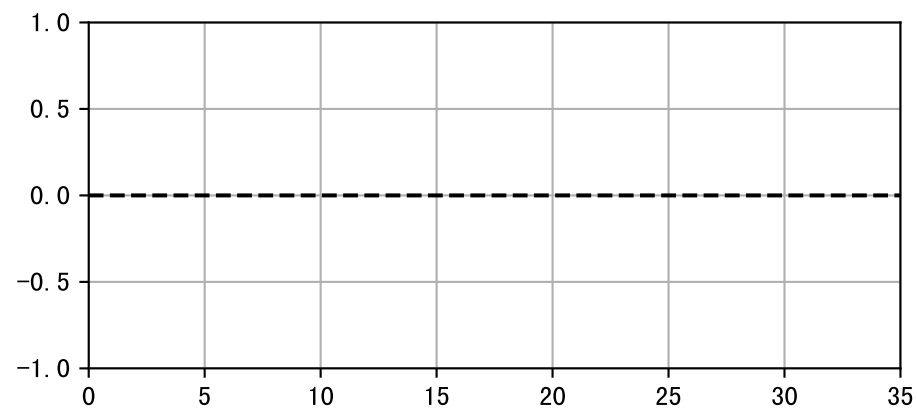
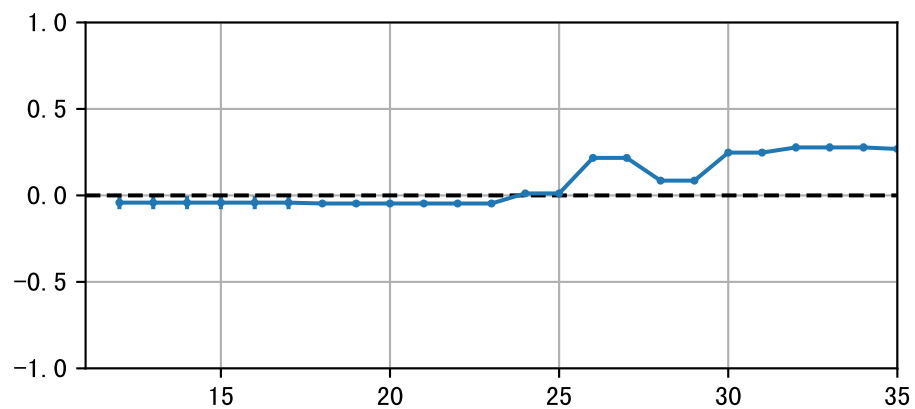
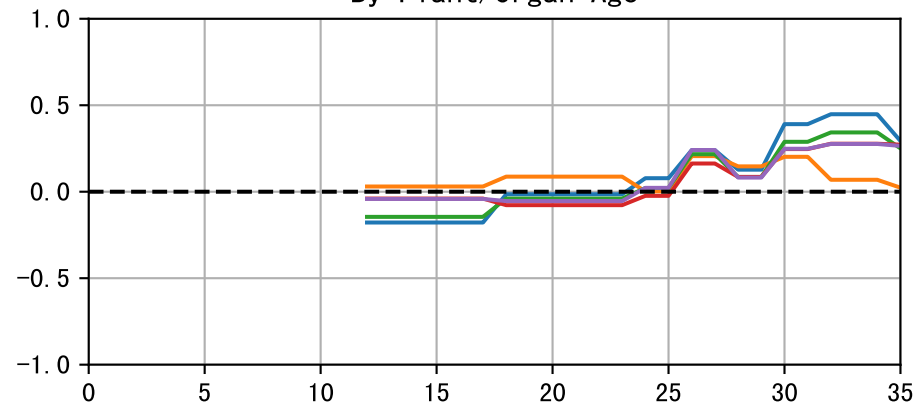
a (Def=3 Set=3.38)
avg1=3.38~4% avg2=na
P6AE StH



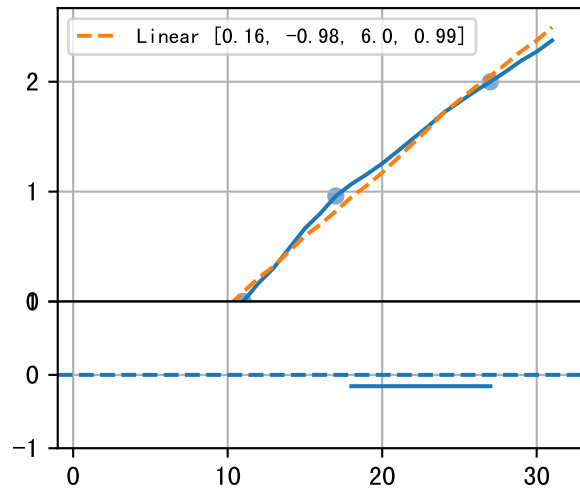
By Start Date



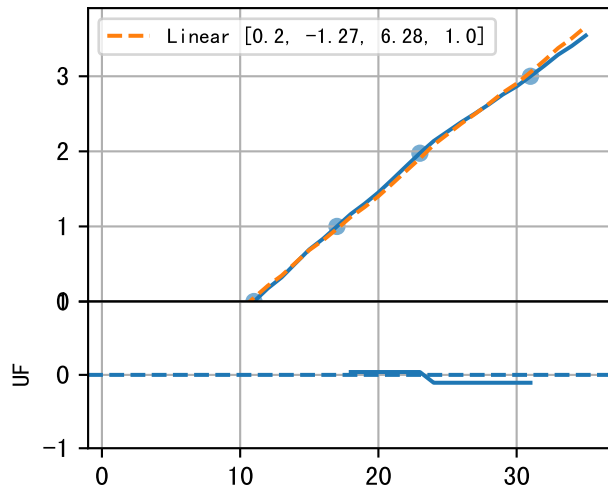
By Plant/Organ Age



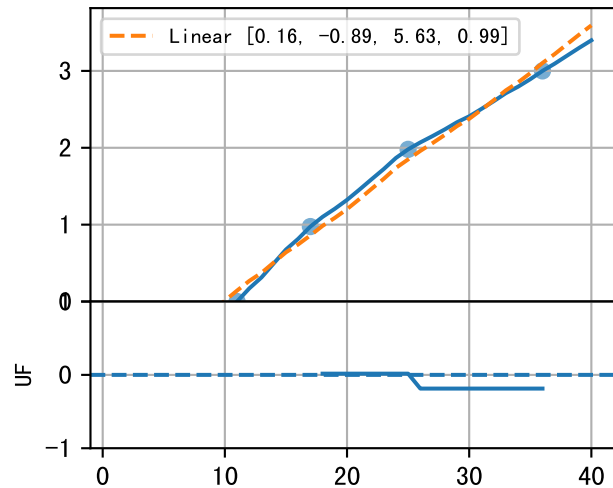
P6AE-007-10



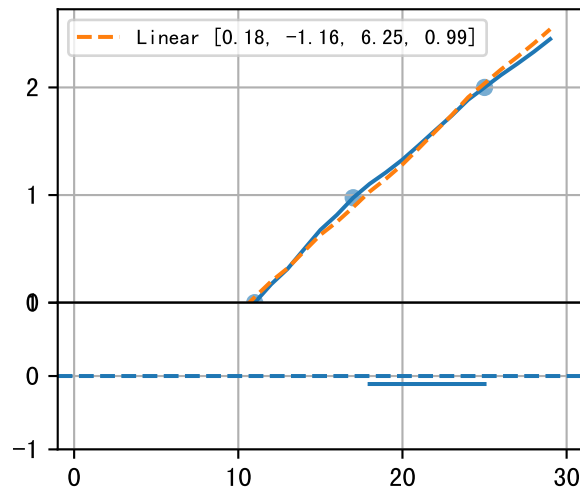
P6AE-014-17



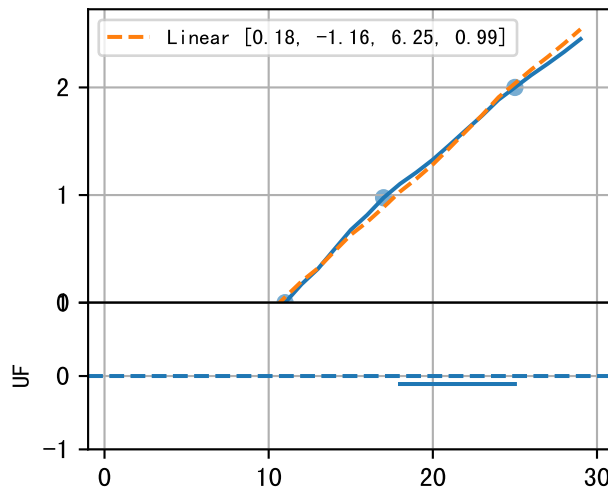
P6AE-026-25



P6AE-033-4

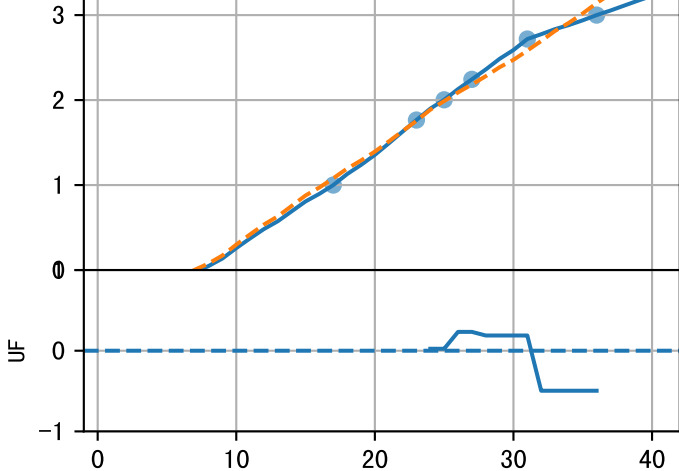


P6AE-045-12

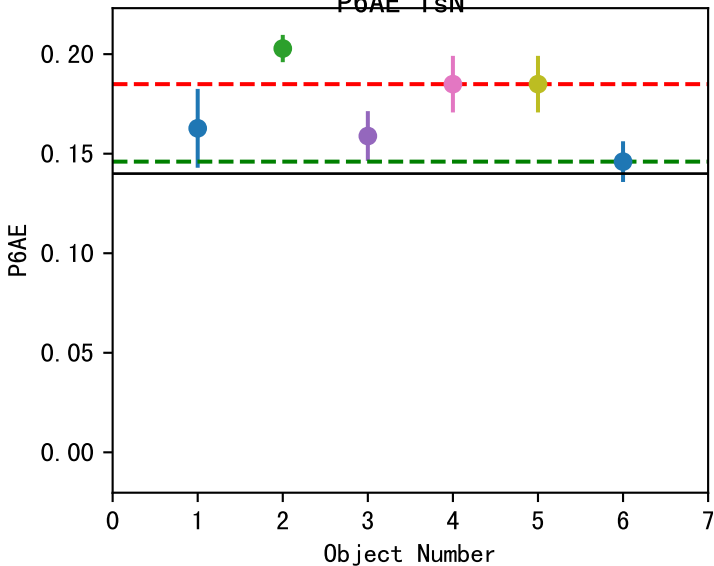


P6AEavg
TSN

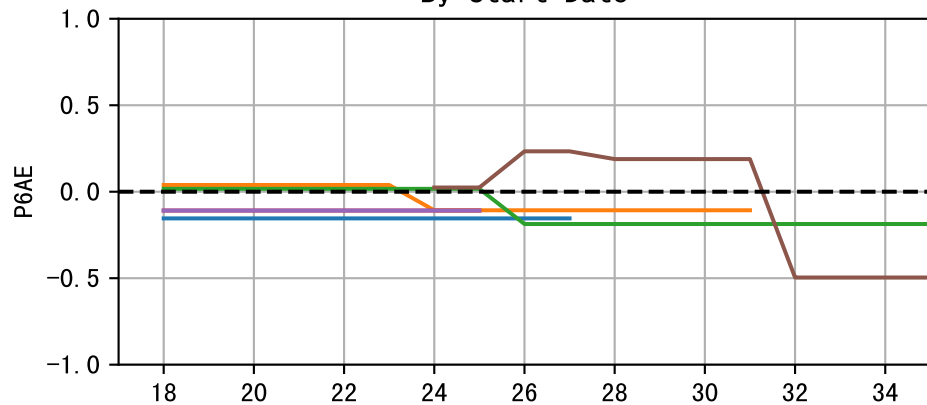
Linear [0.15, -0.53, 3.65, 0.98]



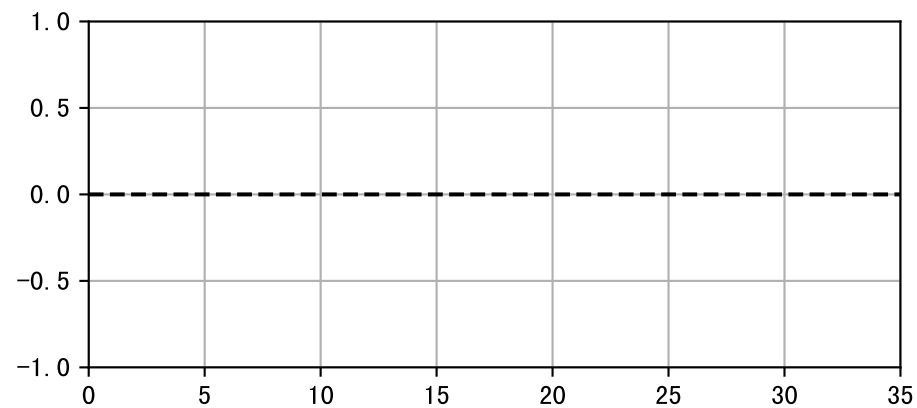
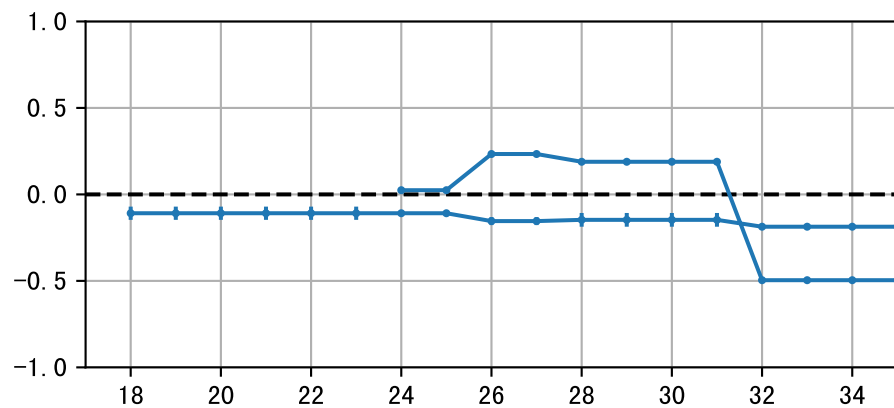
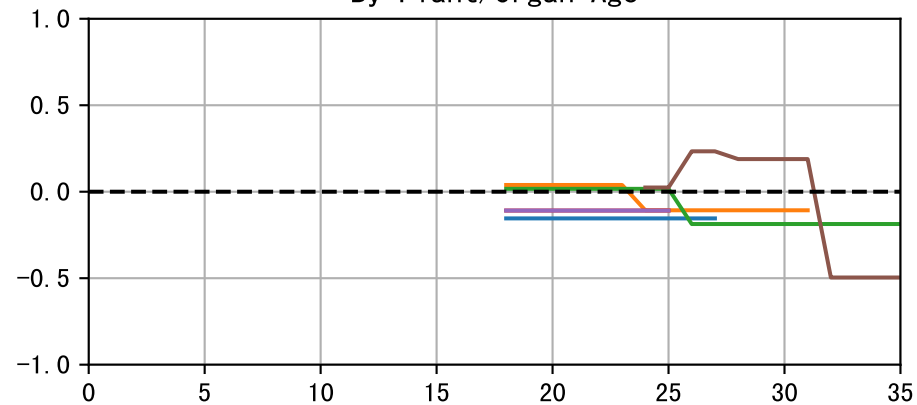
a (Def=0.14 Set=0.15)
avg1=0.18 $\sim$ 10% avg2=0.15 $\sim$ 14%
P6AE TSN



By Start Date

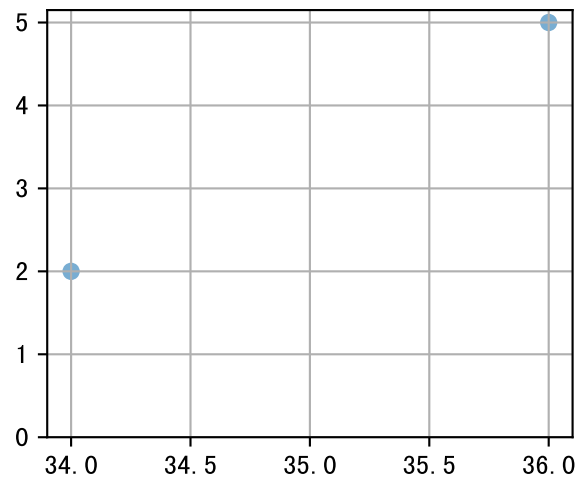


By Plant/Organ Age

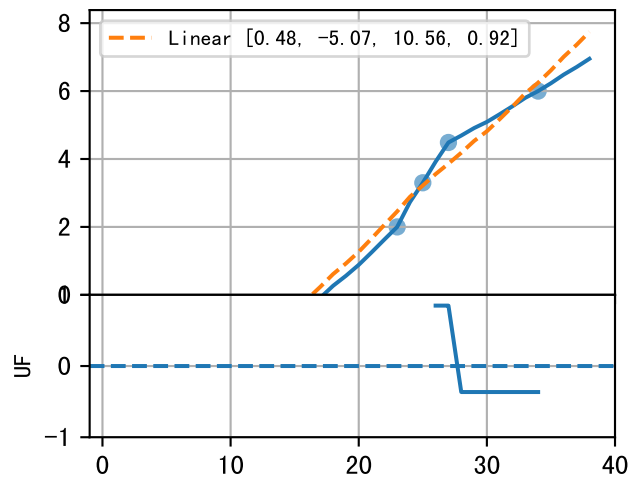


ErN

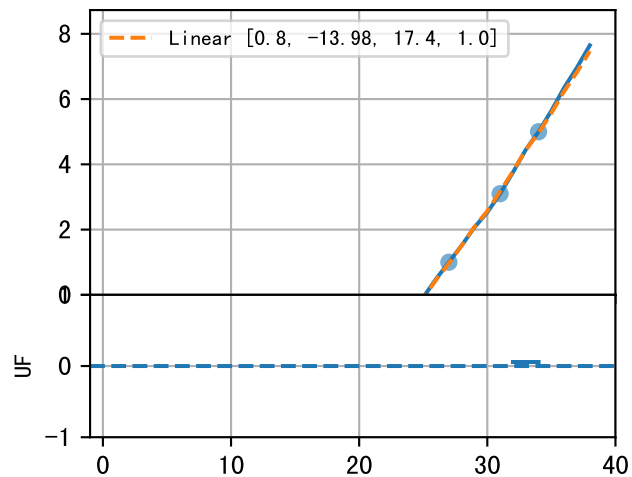
P6AE-007-10T2 (fit failed)



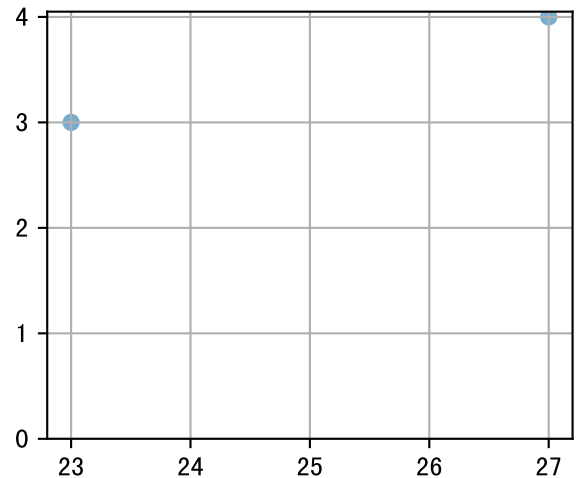
P6AE-014-17T1



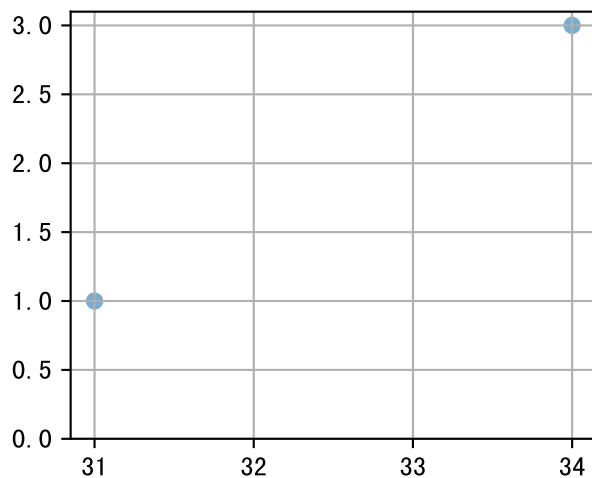
P6AE-014-17T2



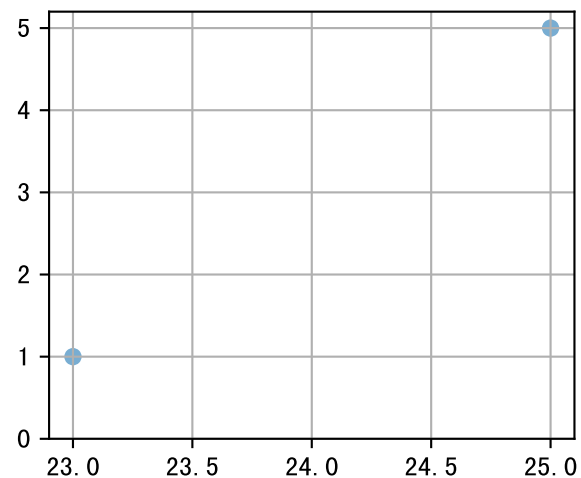
P6AE-026-25T1 (fit failed)



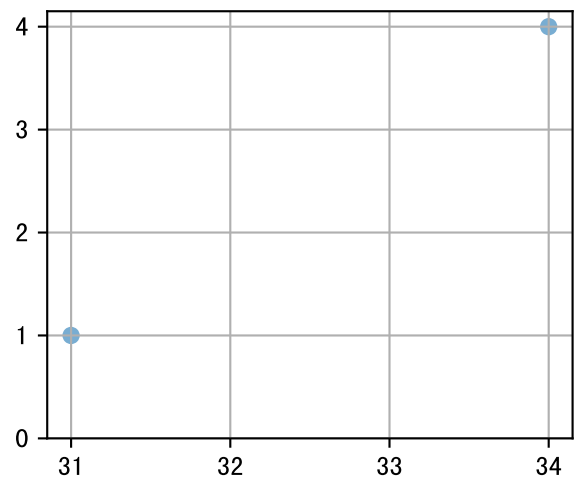
P6AE-026-25T2 (fit failed)



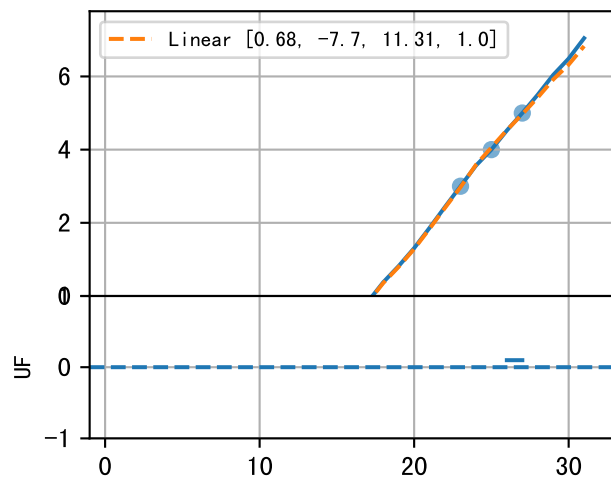
P6AE-033-4T1 (fit failed)



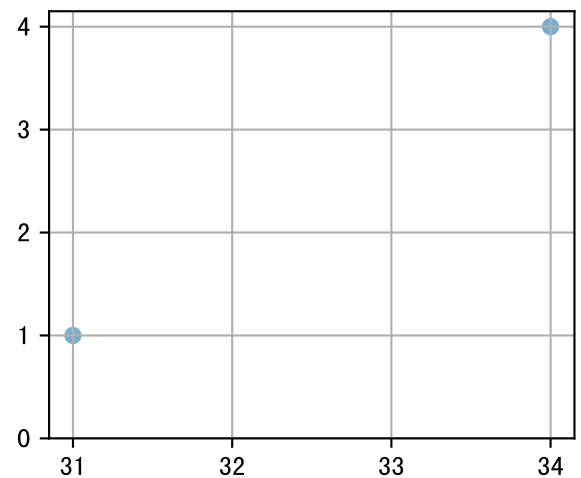
P6AE-033-4T2 (fit failed)



P6AE-045-12T1

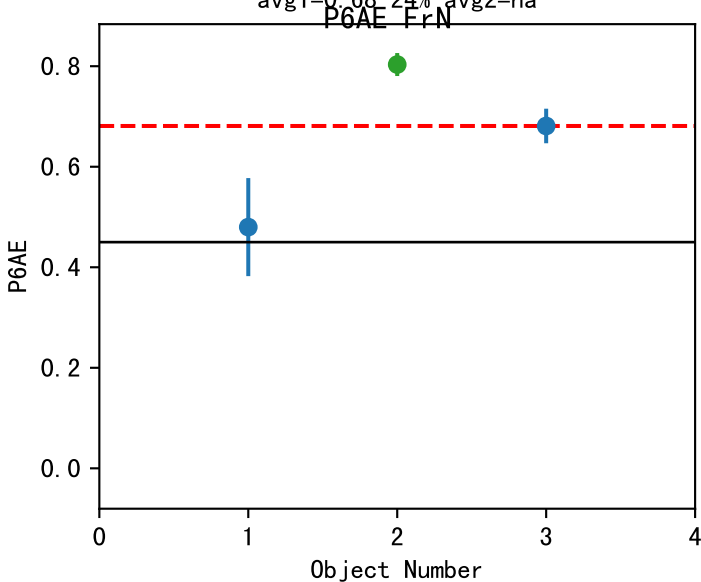


P6AE-045-12T2 (fit failed)

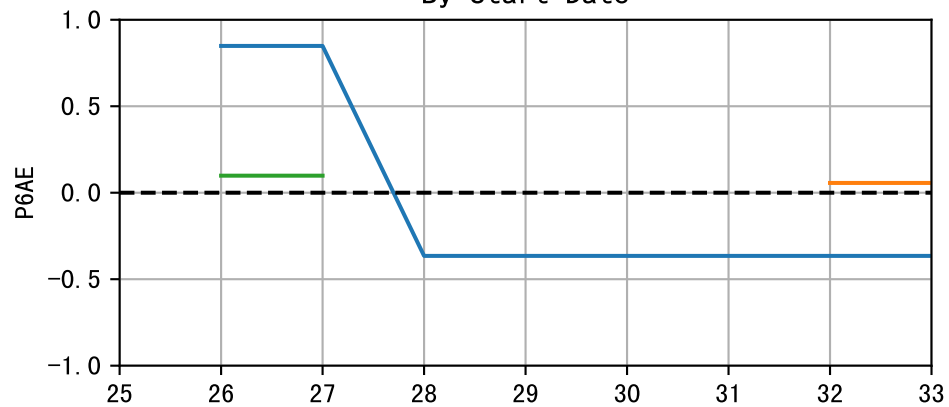


a (Def=0.45 Set=0.68)

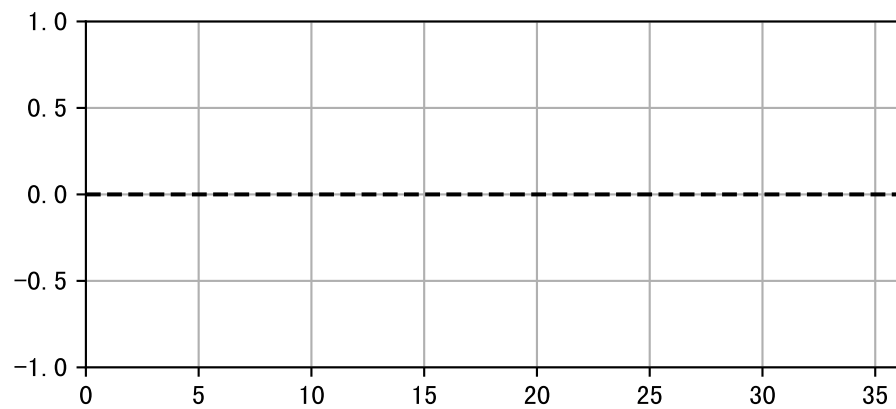
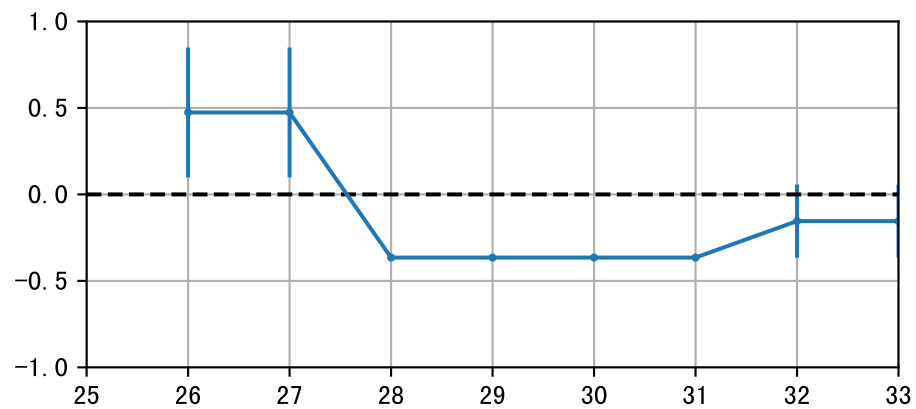
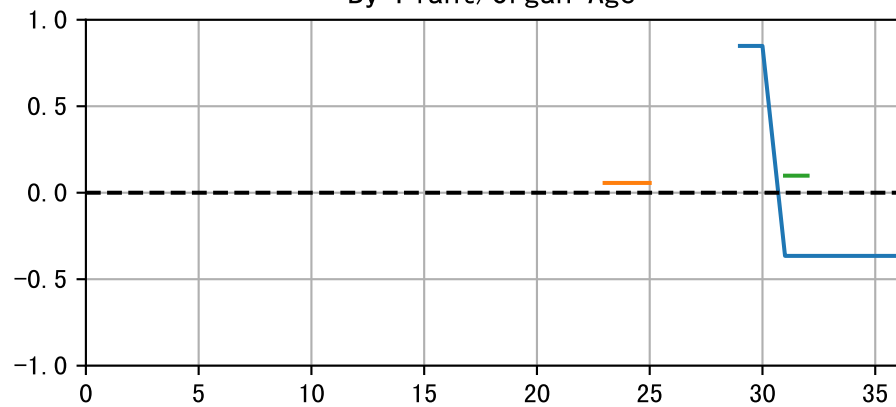
avg1=0.68~24% avg2=na



By Start Date

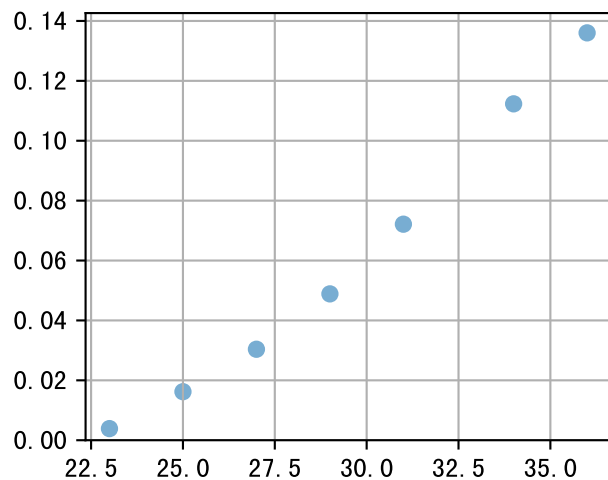


By Plant/Organ Age

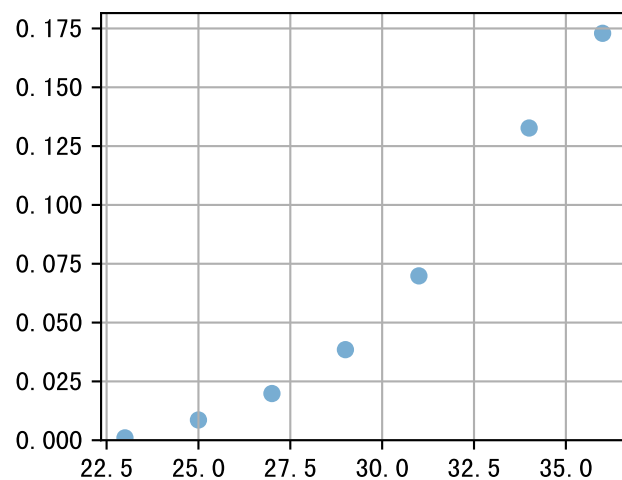


Fr_Y

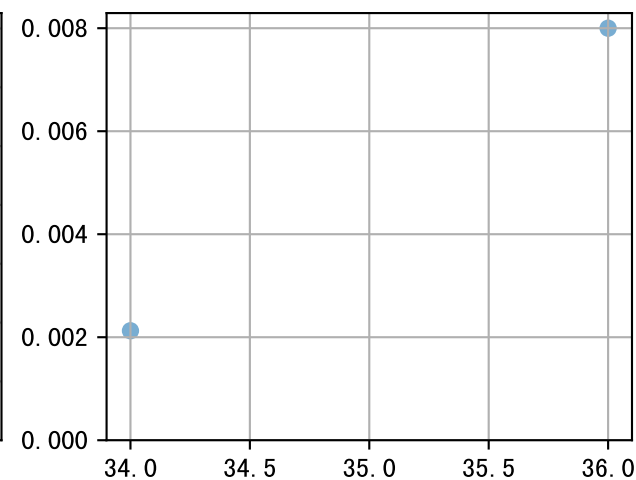
P6AE-007-10T1Fr1 (fit failed)



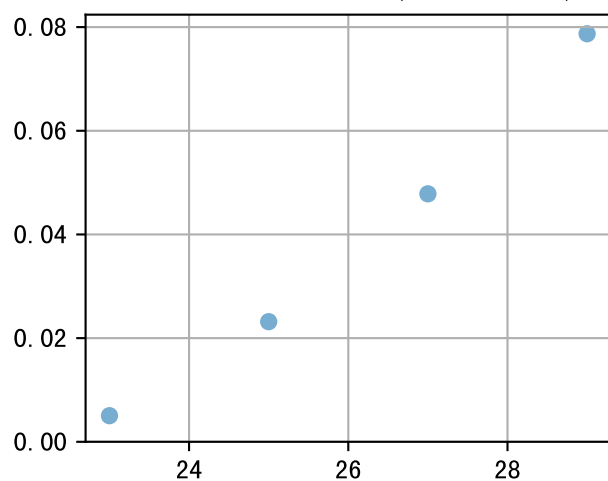
P6AE-007-10T1Fr5 (fit failed)



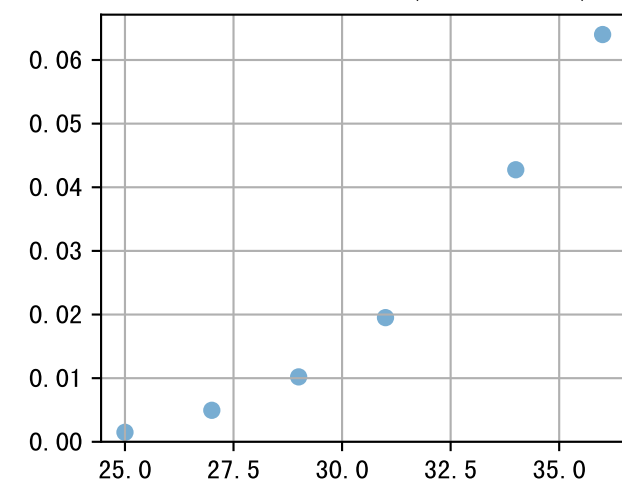
P6AE-007-10T2Fr1 (fit failed)



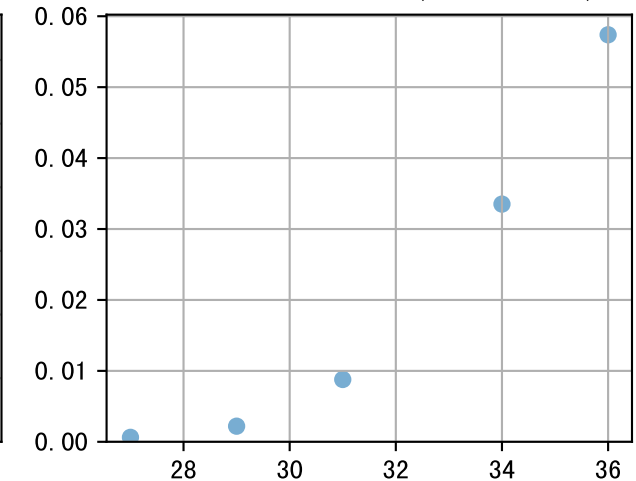
P6AE-014-17T1Fr1 (fit failed)



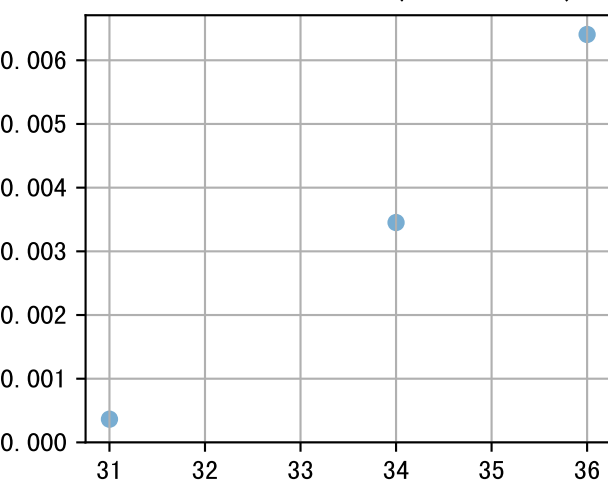
P6AE-014-17T1Fr5 (fit failed)



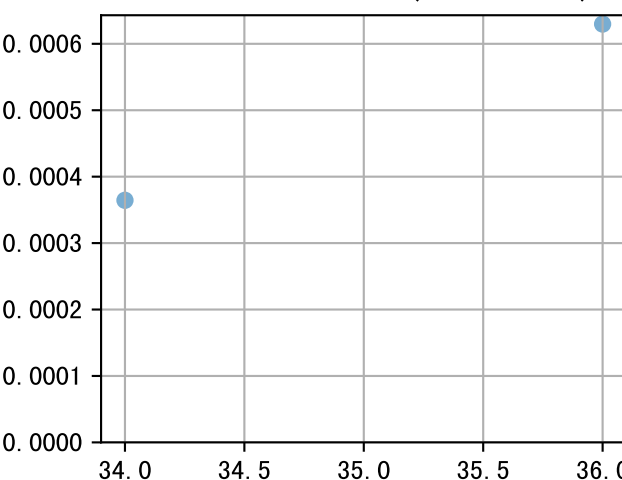
P6AE-014-17T2Fr1 (fit failed)



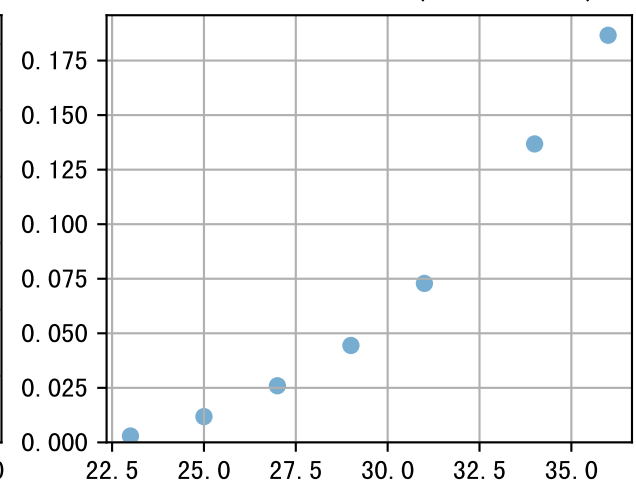
P6AE-014-17T2Fr5 (fit failed)



P6AE-014-17T3Fr1 (fit failed)

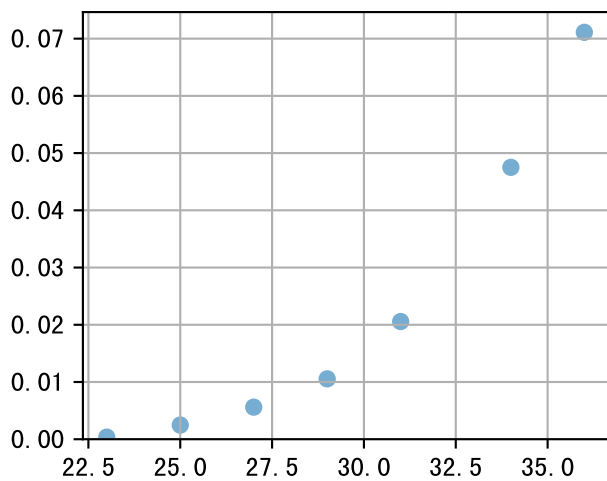


P6AE-026-25T1Fr1 (fit failed)

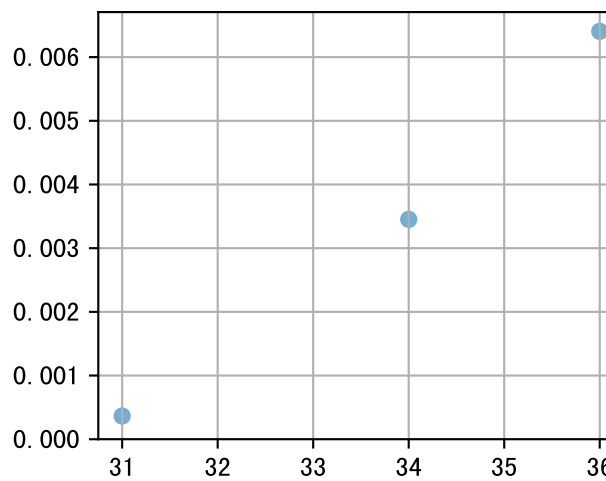


FrV

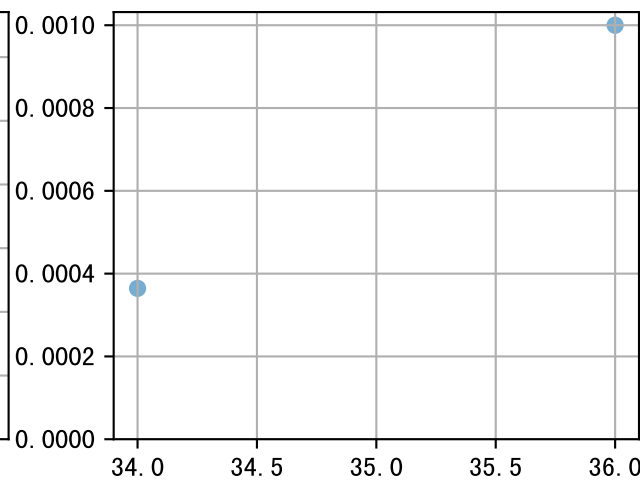
P6AE-026-25T1Fr5 (fit failed)



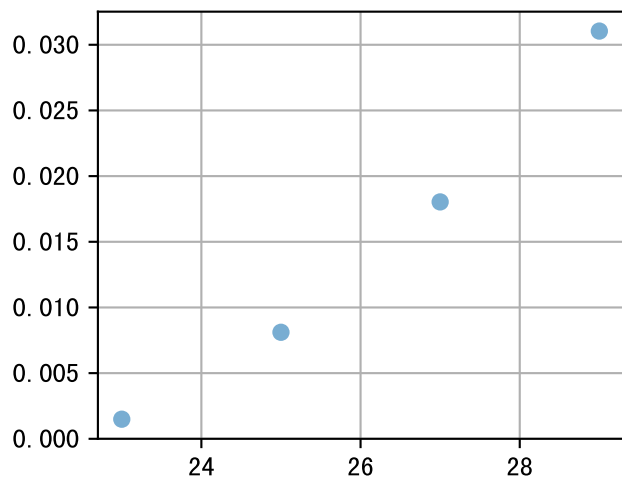
P6AE-026-25T2Fr1 (fit failed)



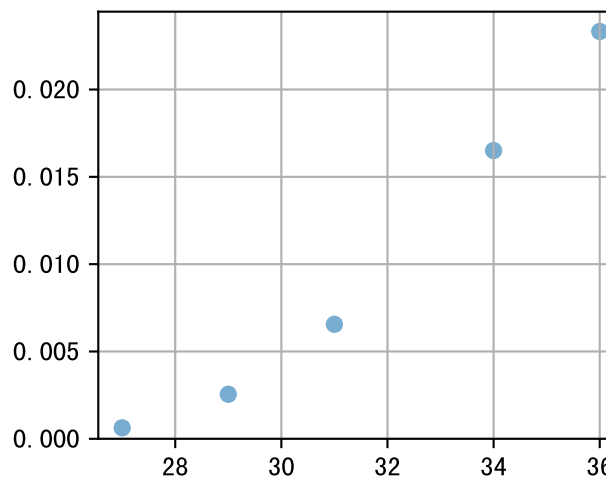
P6AE-026-25T2Fr5 (fit failed)



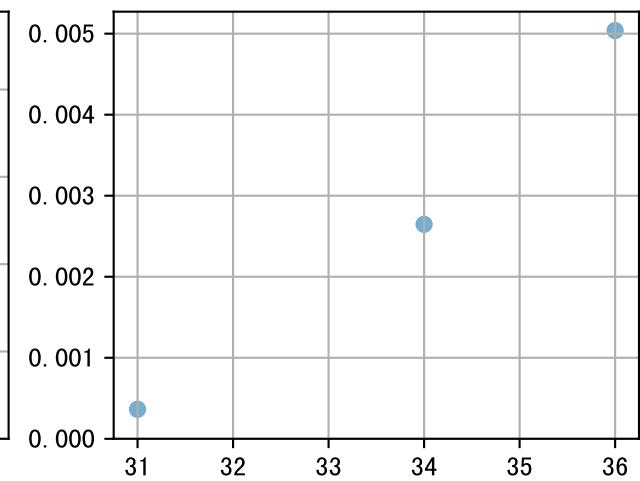
P6AE-033-4T1Fr1 (fit failed)



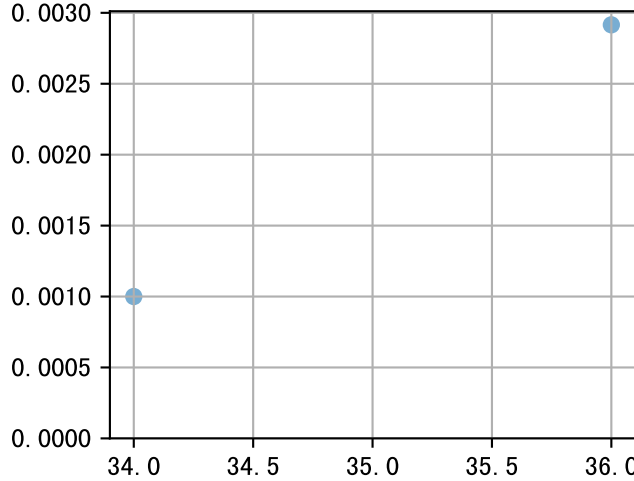
P6AE-033-4T1Fr5 (fit failed)



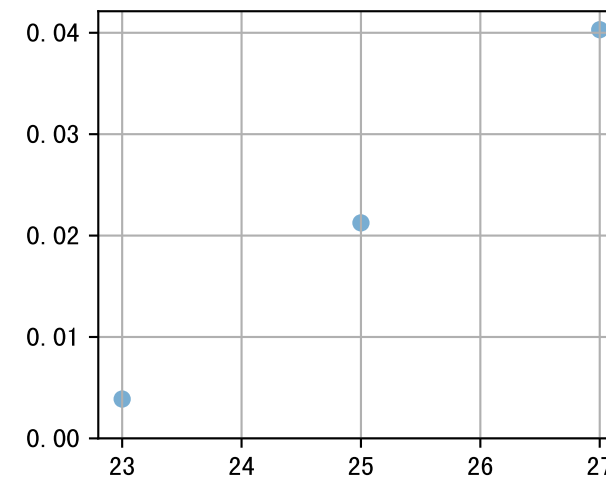
P6AE-033-4T2Fr1 (fit failed)



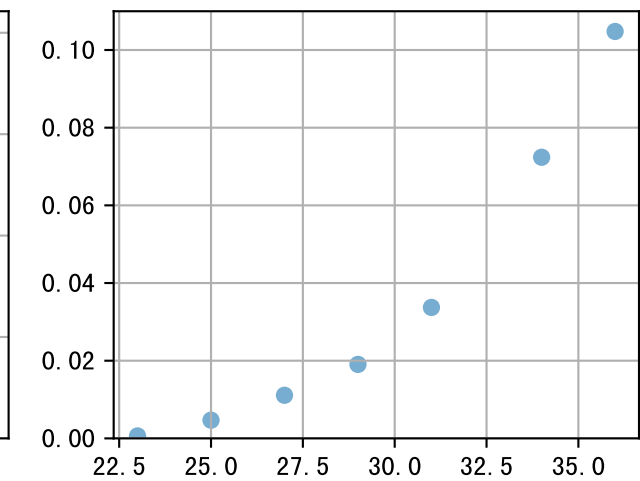
P6AE-033-4T2Fr5 (fit failed)



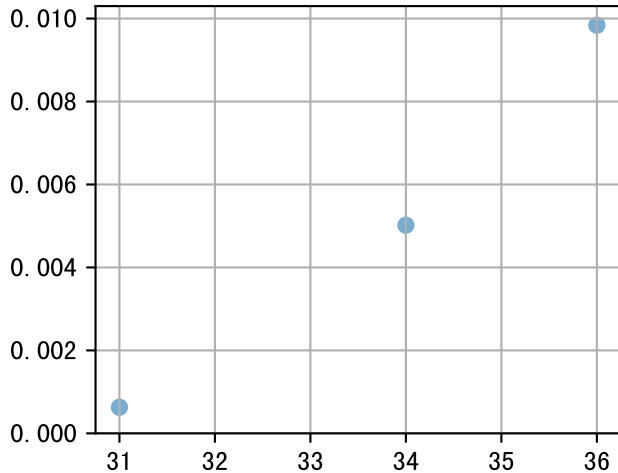
P6AE-045-12T1Fr1 (fit failed)



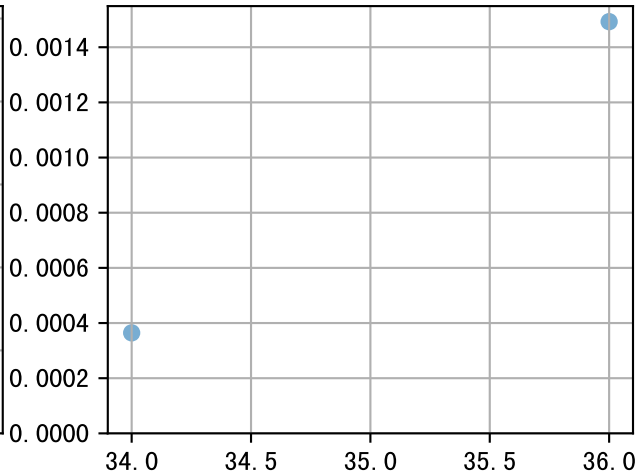
P6AE-045-12T1Fr5 (fit failed)



P6AE-045-12T2Fr1 (fit failed)

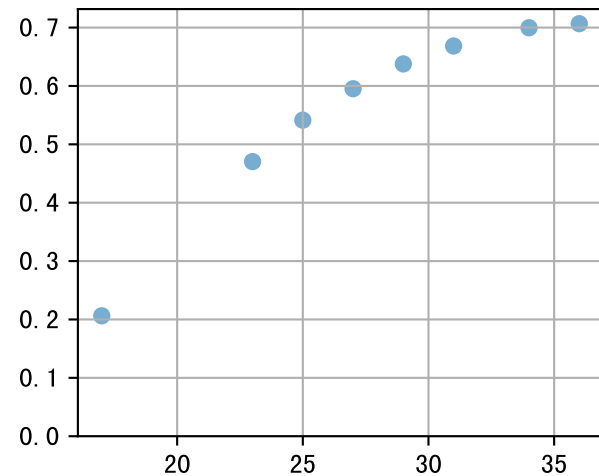


P6AE-045-12T2Fr5 (fit failed)

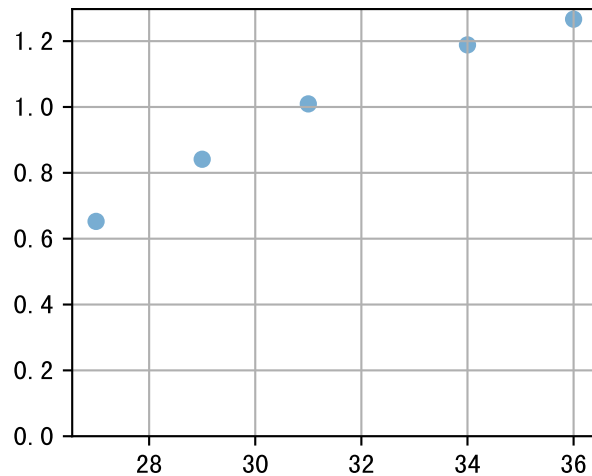


l-fA

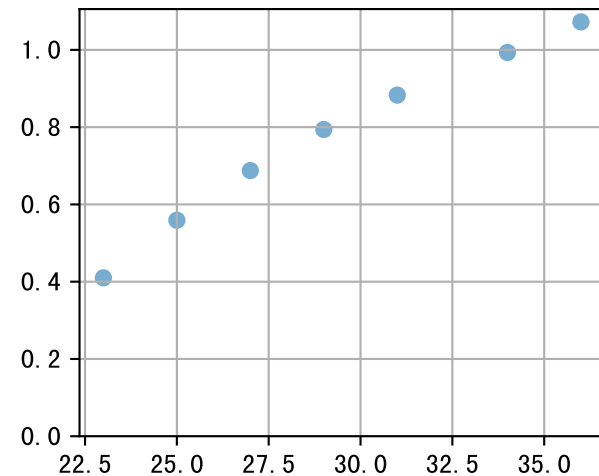
P6AE-007-10L6 (fit failed)



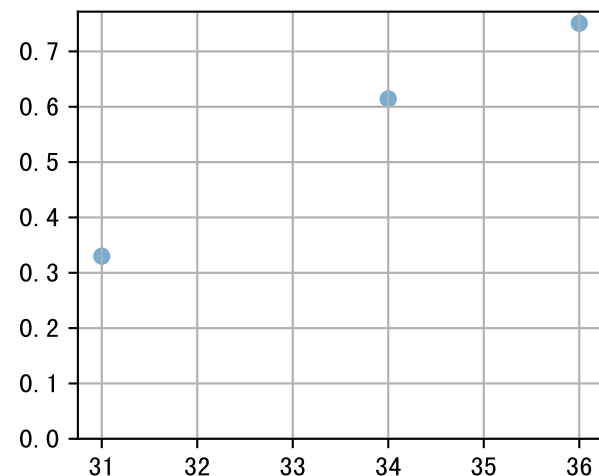
P6AE-007-10L9 (fit failed)



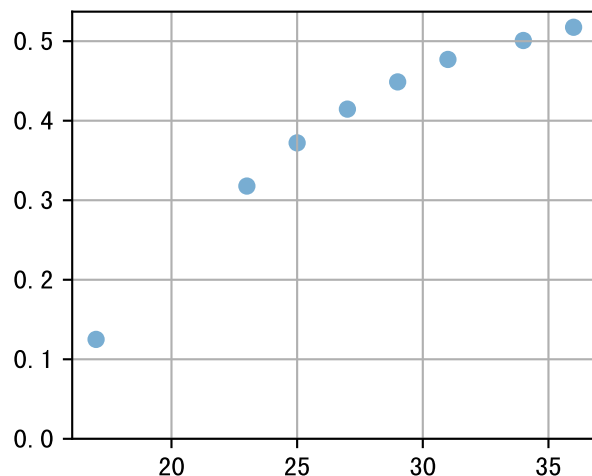
P6AE-014-17L11 (fit failed)



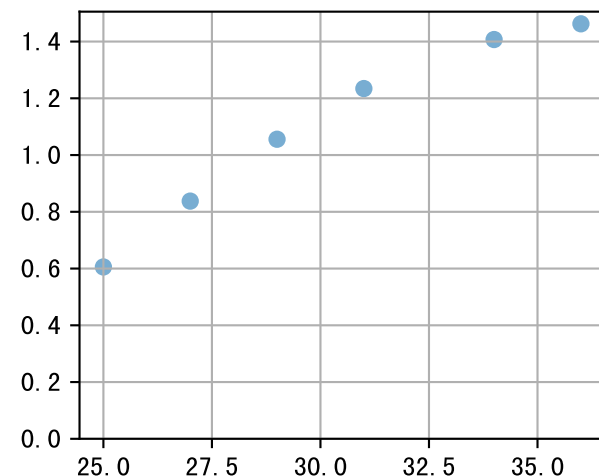
P6AE-014-17L14 (fit failed)



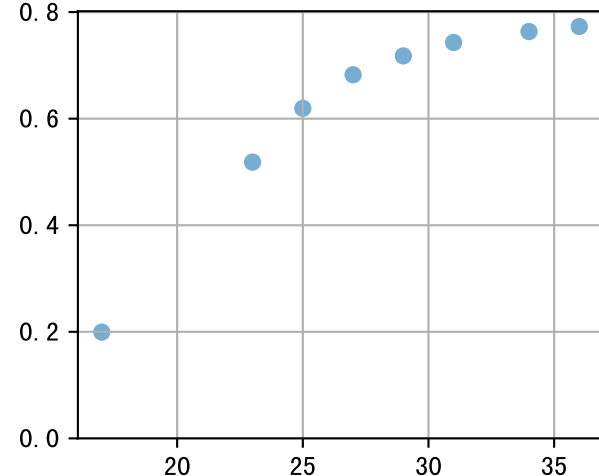
P6AE-014-17L8 (fit failed)



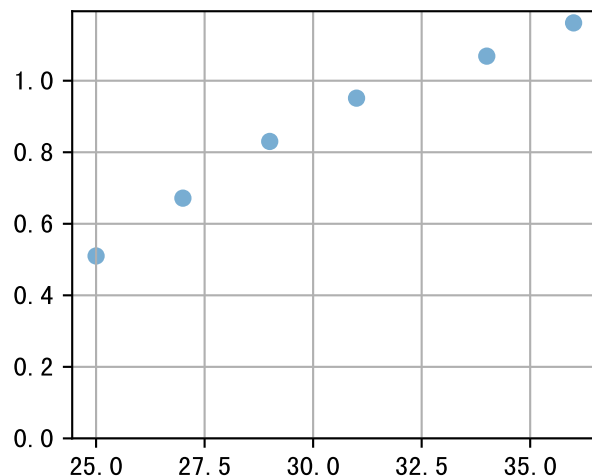
P6AE-026-25L10 (fit failed)



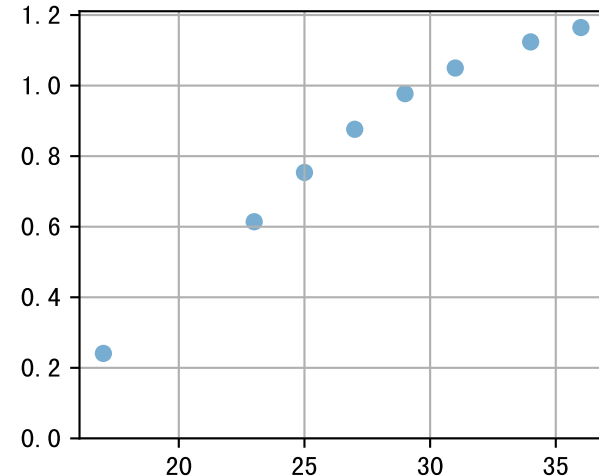
P6AE-026-25L7 (fit failed)



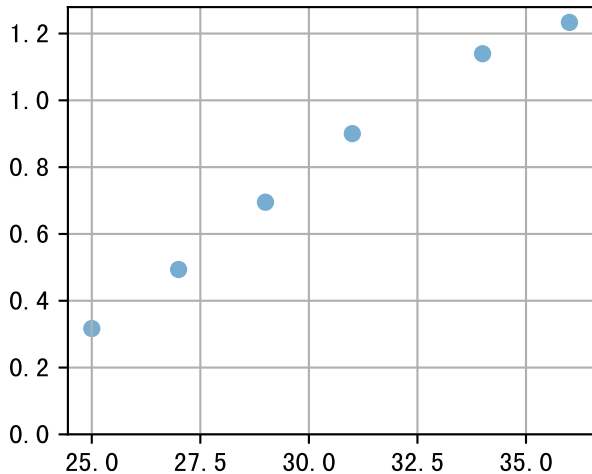
P6AE-033-4L10 (fit failed)



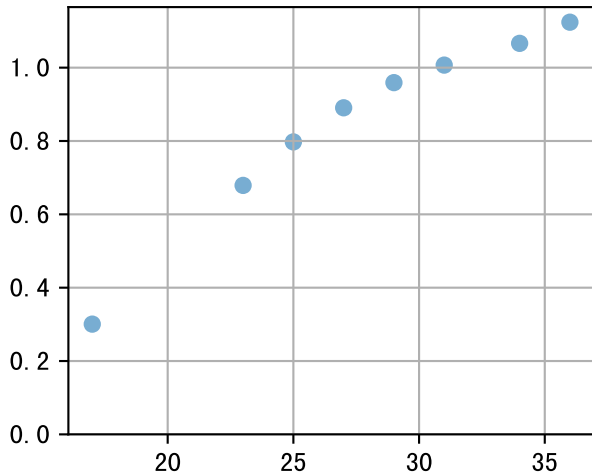
P6AE-033-4L8 (fit failed)

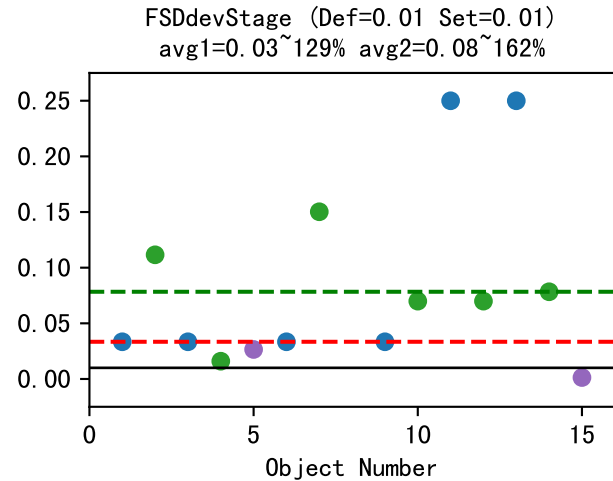
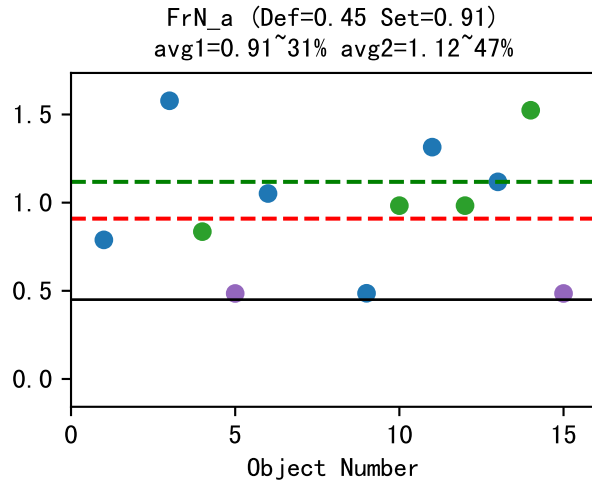
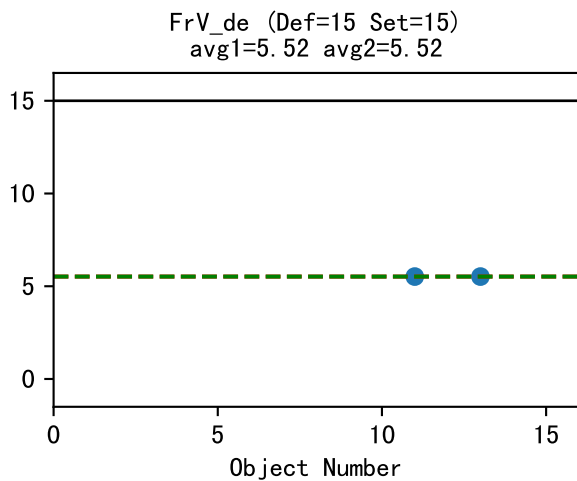
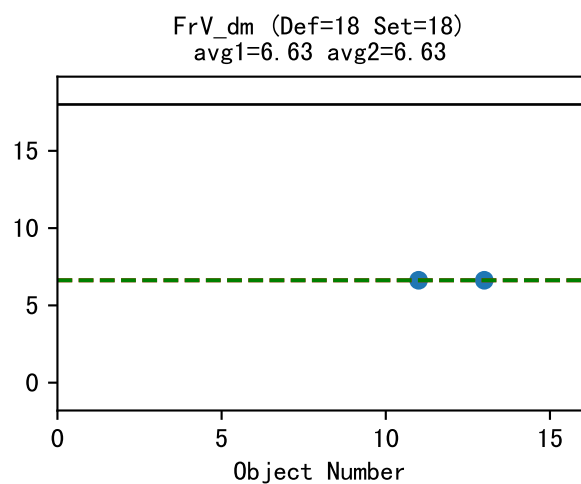
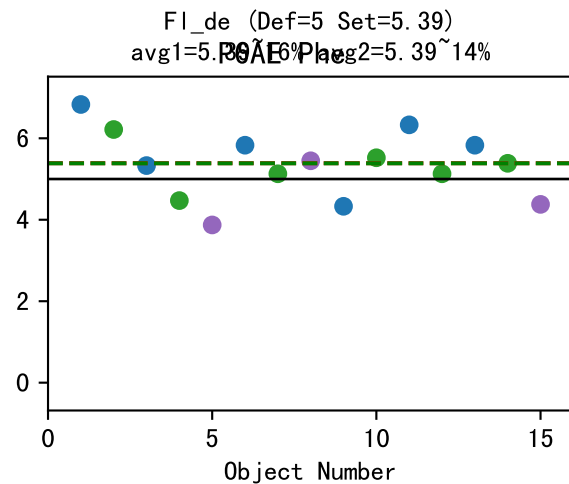
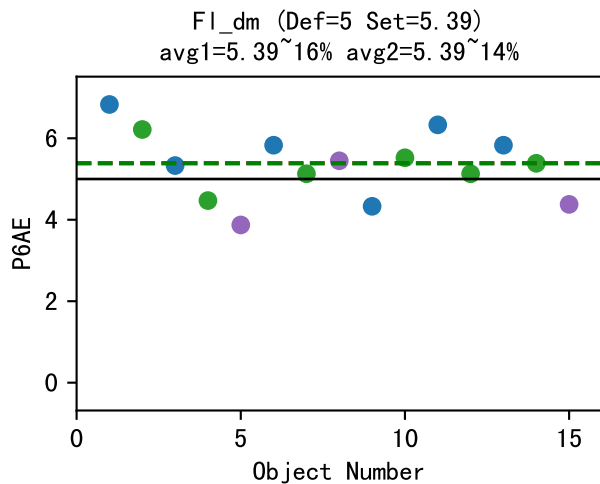


P6AE-045-12L10 (fit failed)

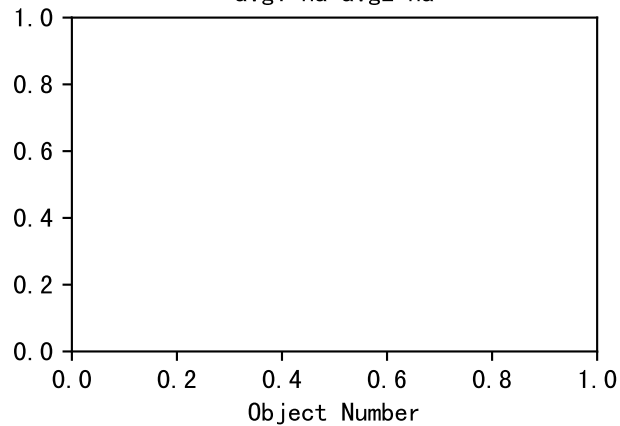


P6AE-045-12L7 (fit failed)

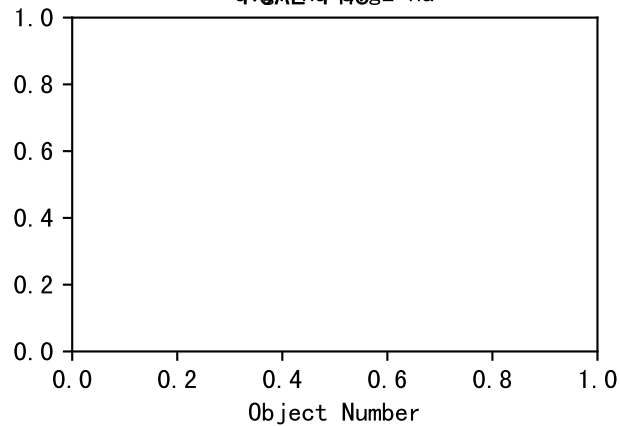




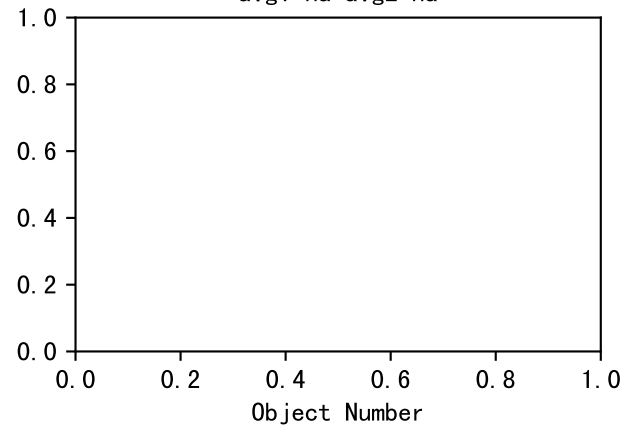
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



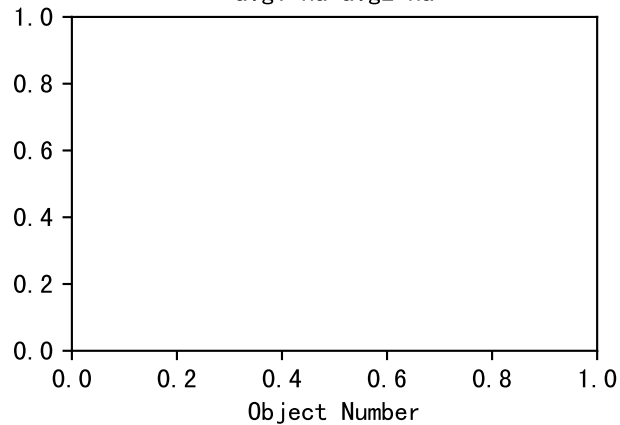
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



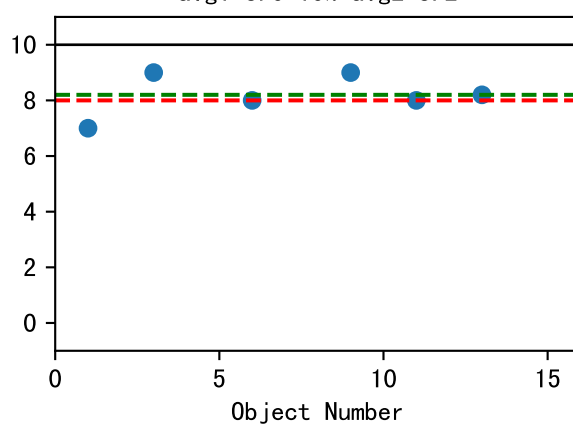
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

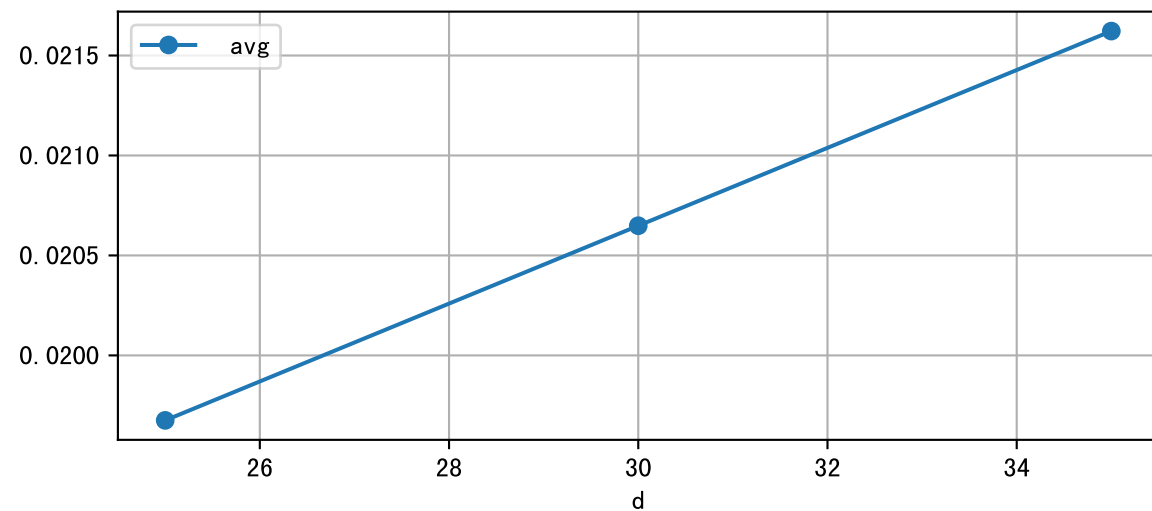


NNgen (Def=10 Set=8)
avg1=8.0~10% avg2=8.2

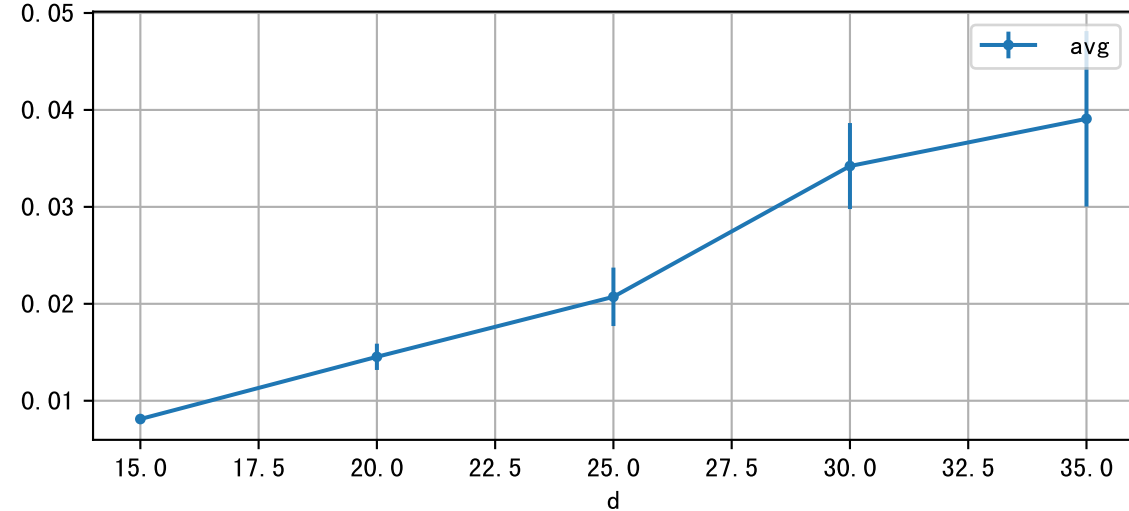


LfA: avg vs. d at each age group

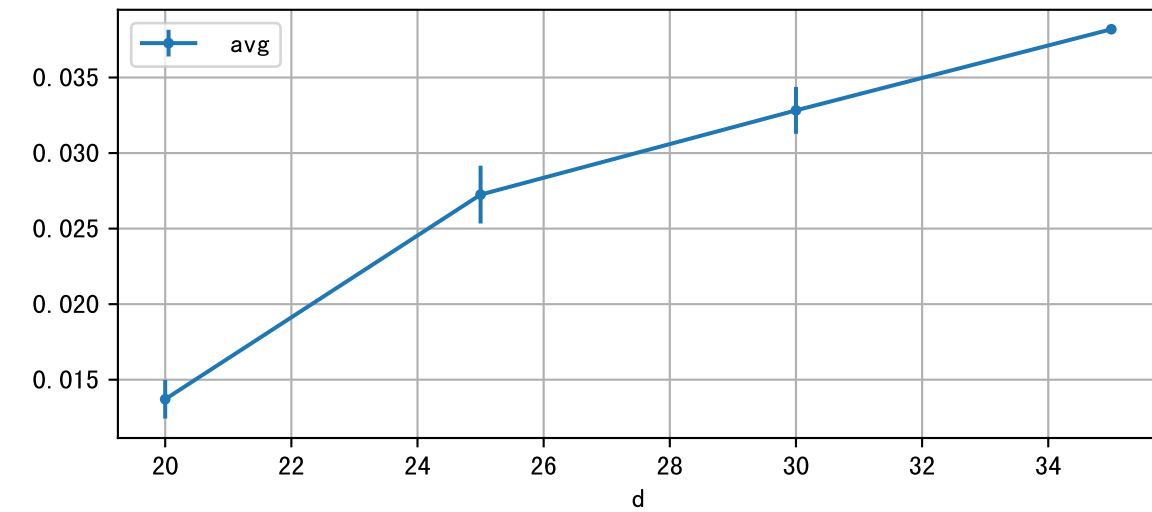
age=15



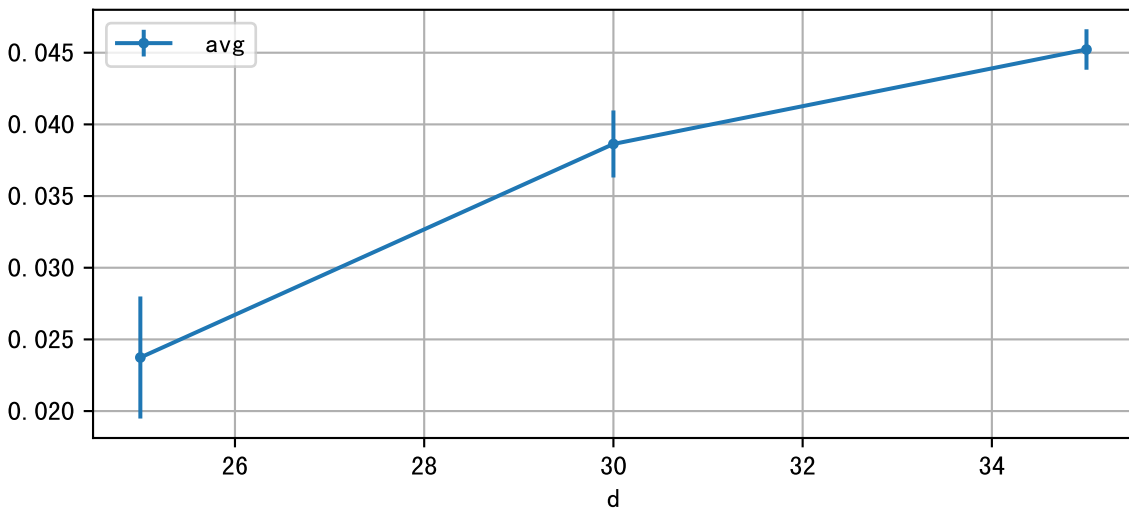
age=20



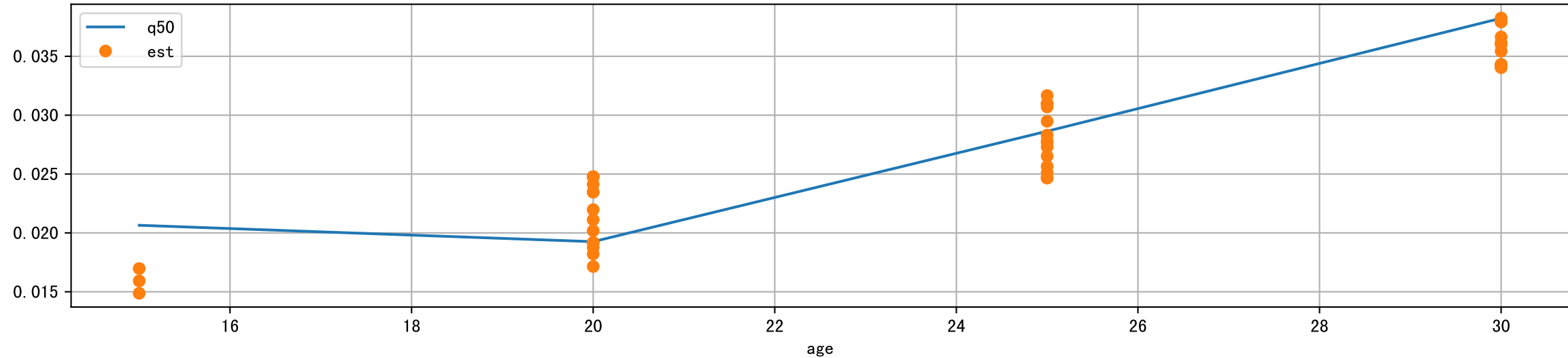
age=25



age=30

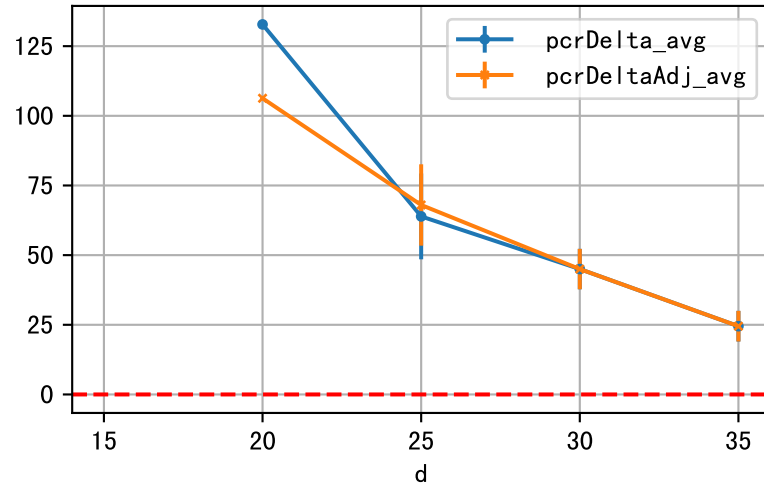


LfA: model est vs obs0v@Q50

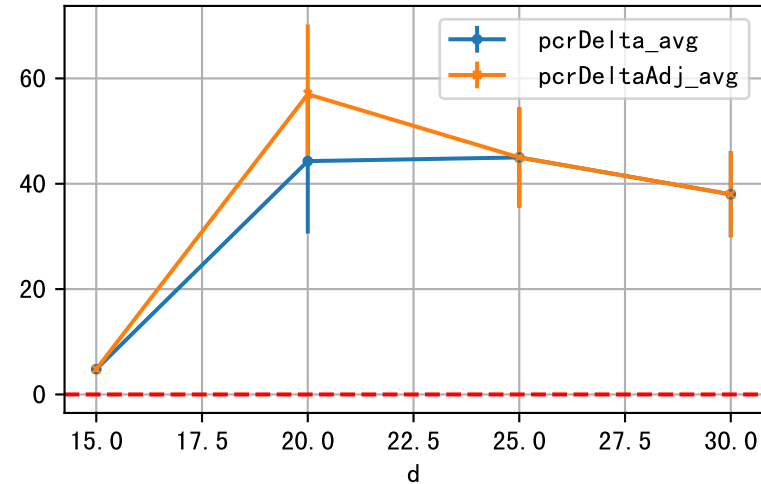


P6AE LfA: D_5d_LfA

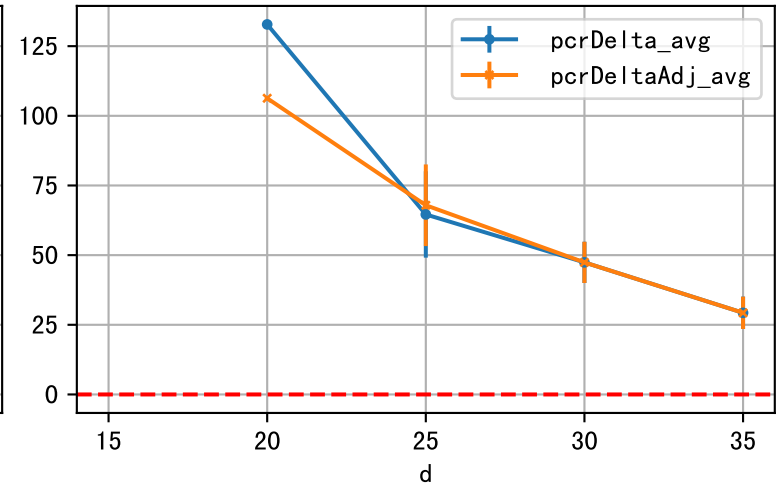
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

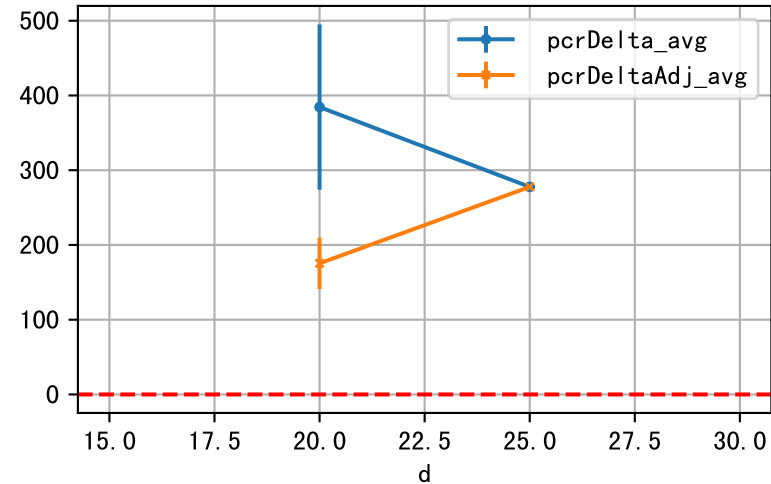


DeltaTypeAbbr=Wei AvgByD

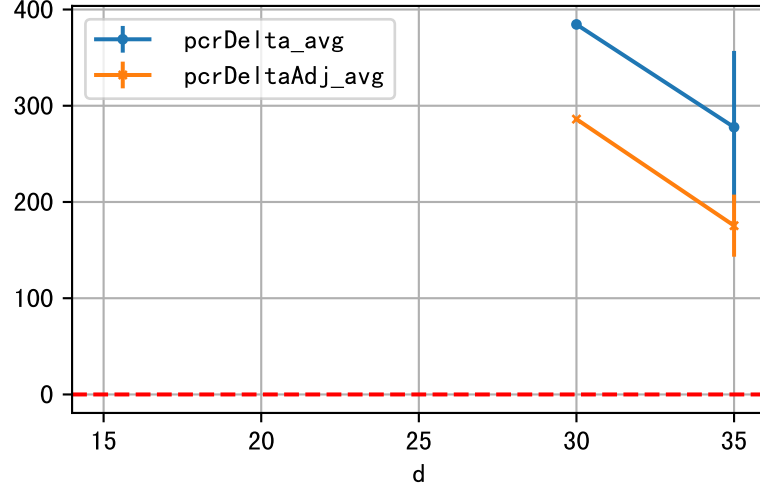


P6AE LfA: D_15d_LfA

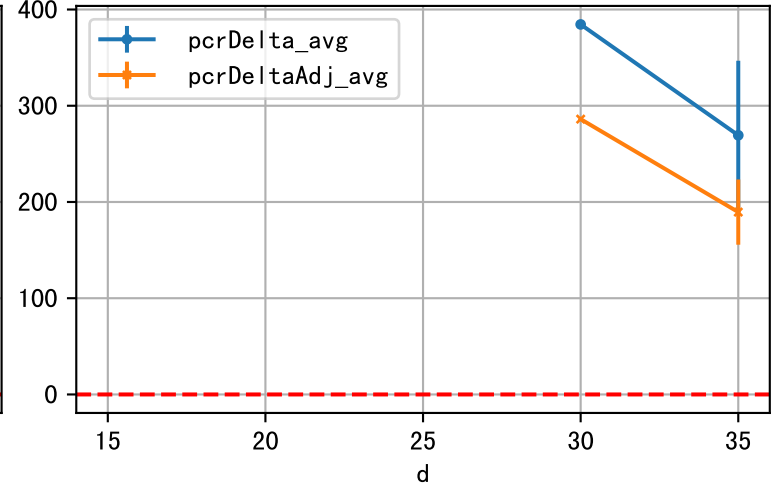
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

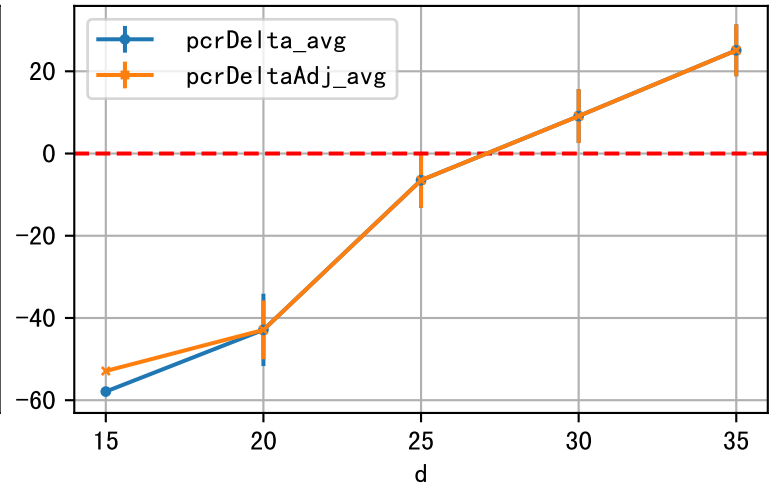
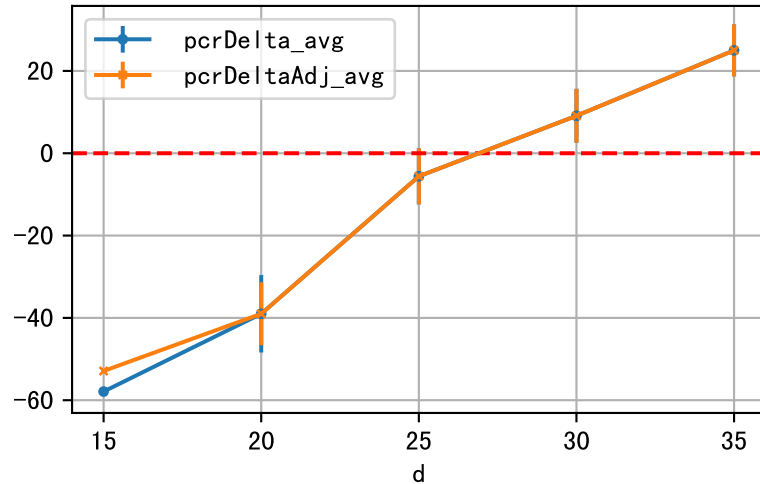
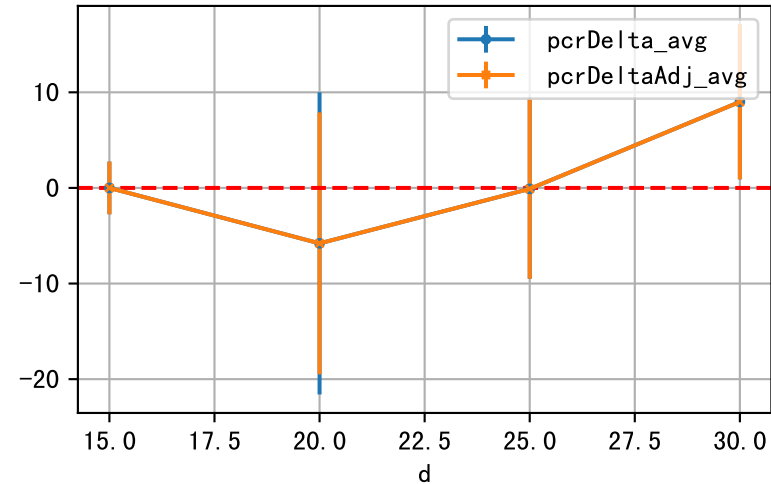


P6AE LfA: D_Q50_LfA

DeltaTypeAbbr=GrpByAge

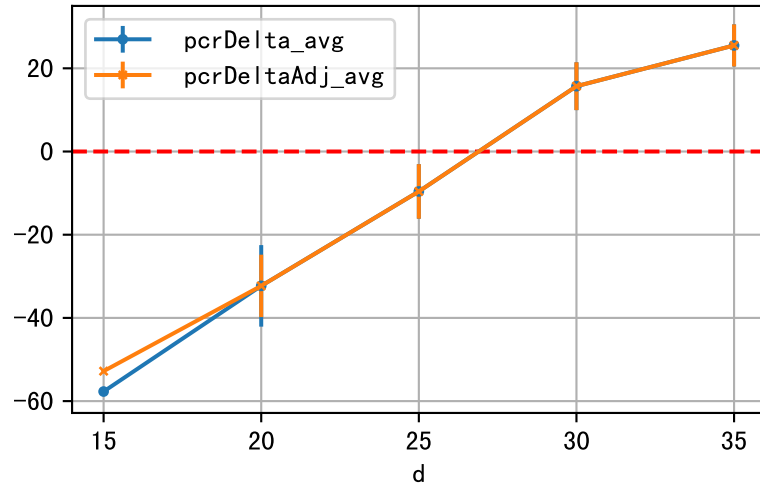
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

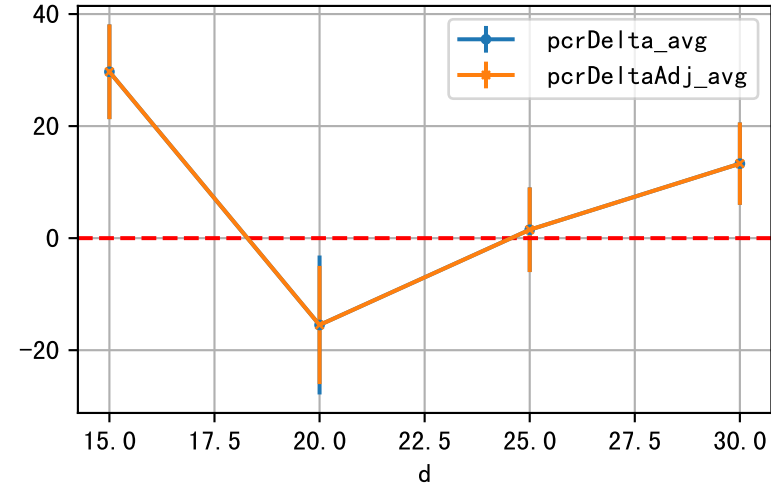


P6AE LfA: D_Est_LfA

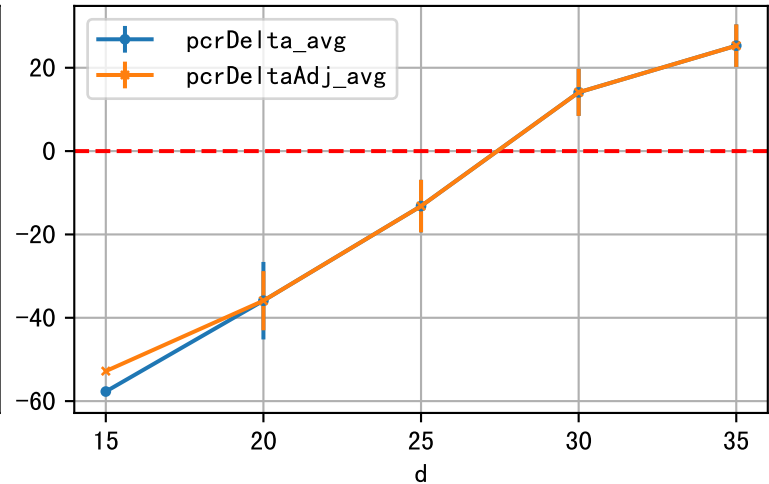
DeltaTypeAbbr=GrpByDay



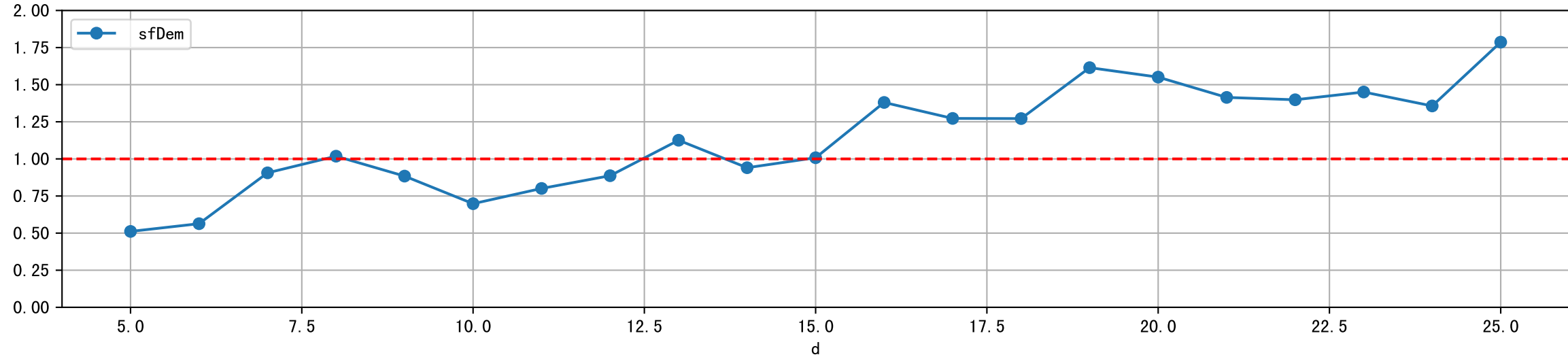
DeltaTypeAbbr=GrpByAge

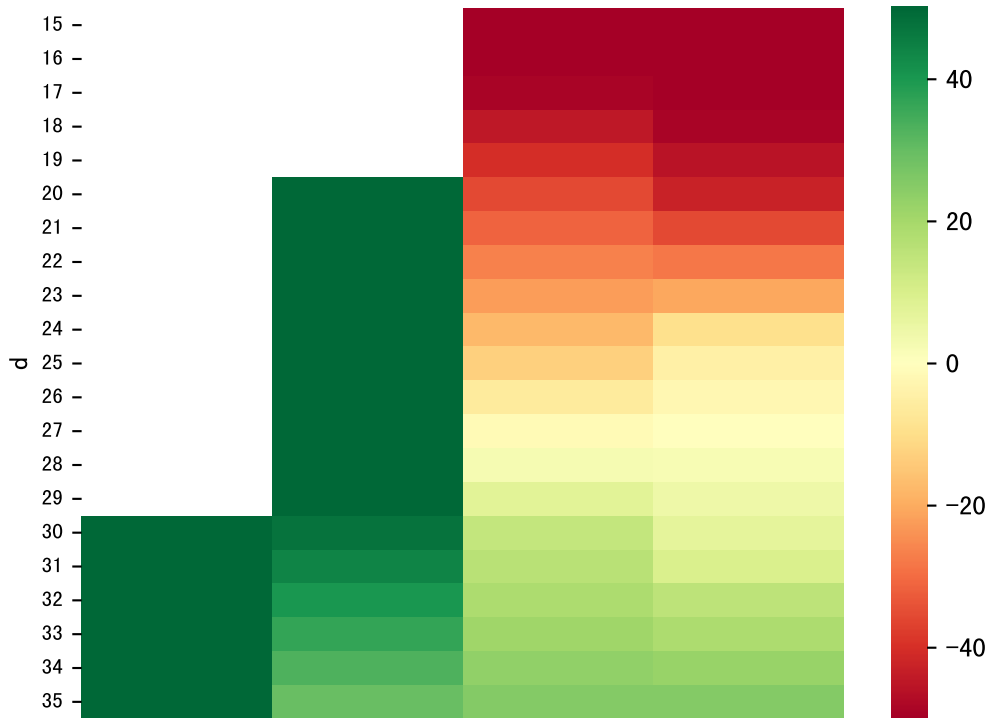


DeltaTypeAbbr=WeiAvgByD



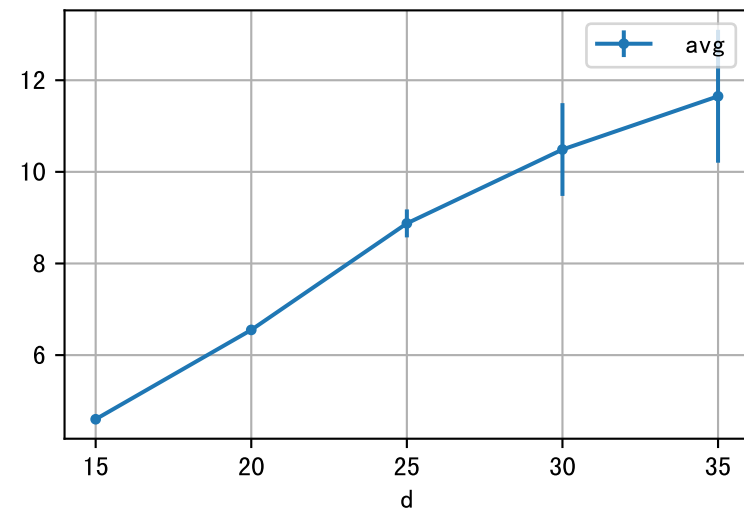
LfA: sfDem



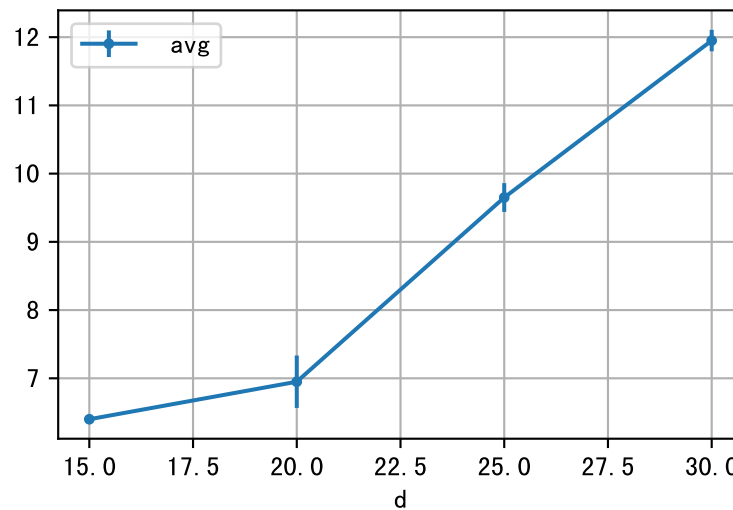


NdD: avg vs. d at each age group

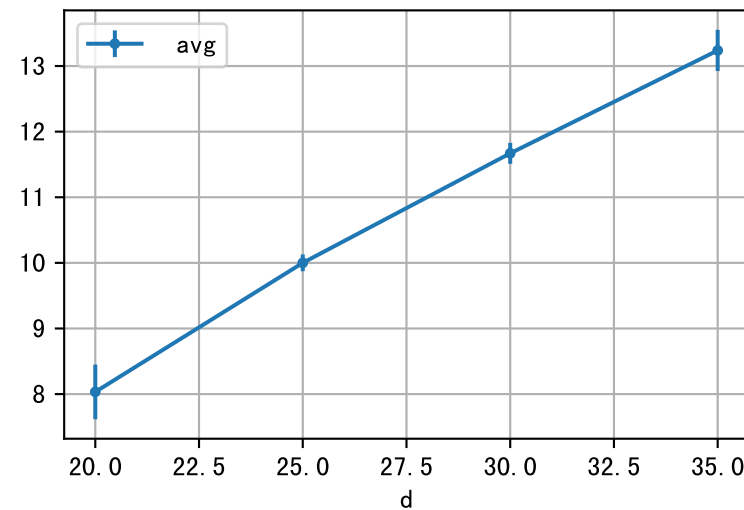
age=15



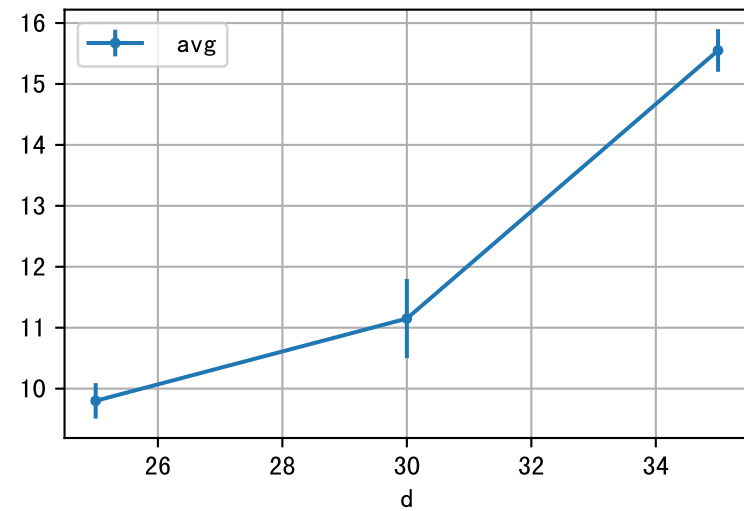
age=20



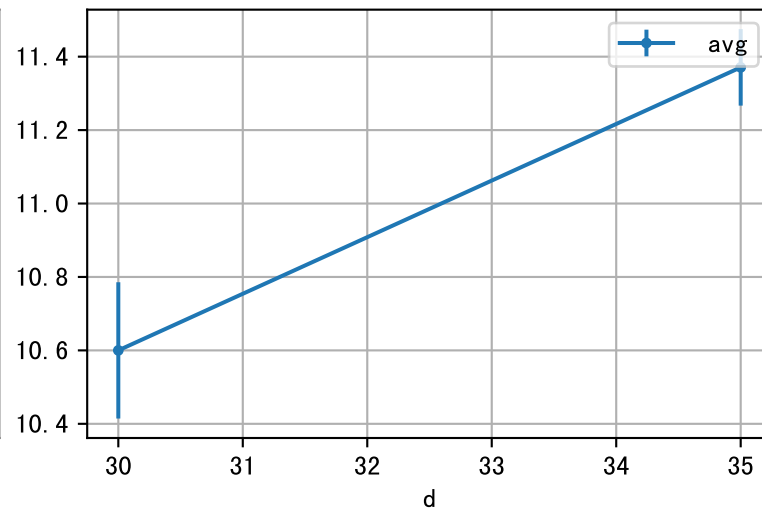
age=25



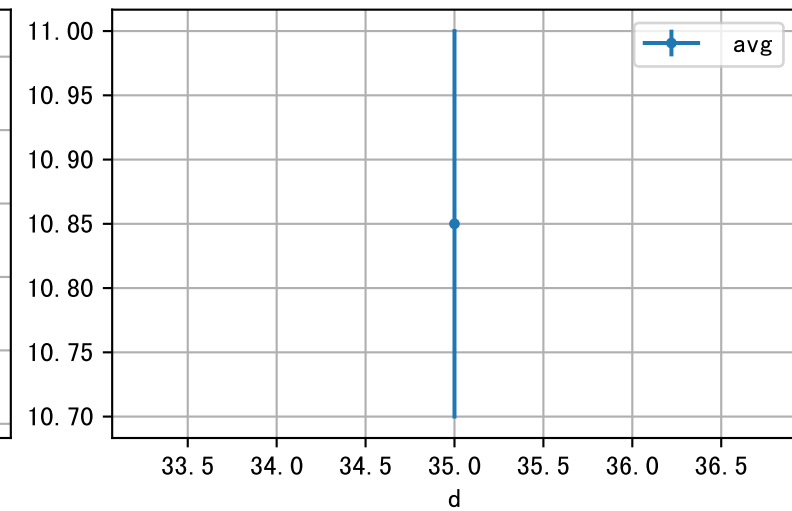
age=30



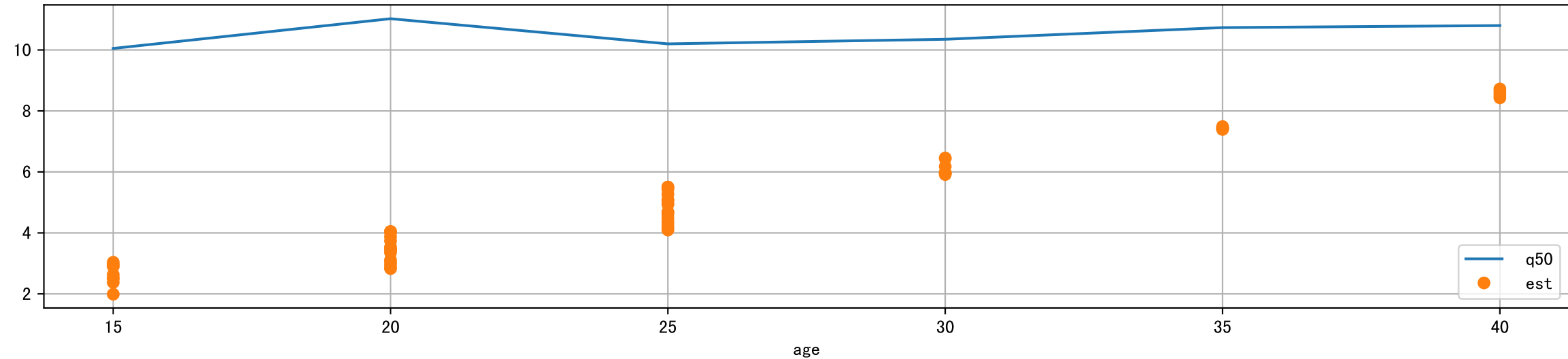
age=35



age=40

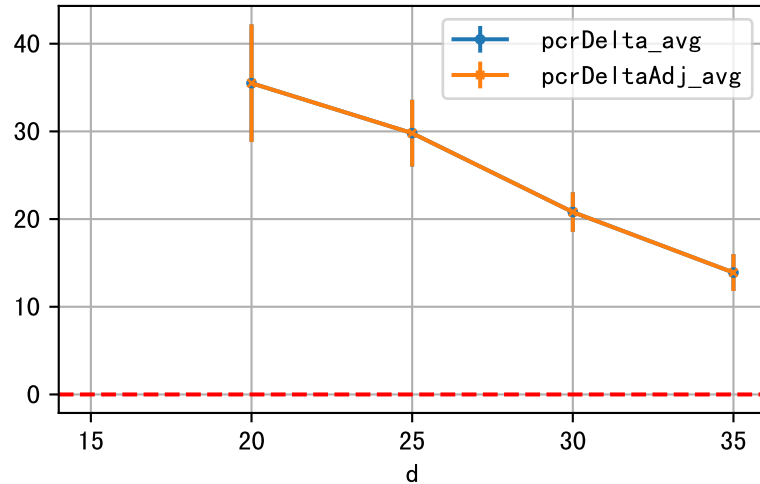


NdD: model est vs obs0v@Q50

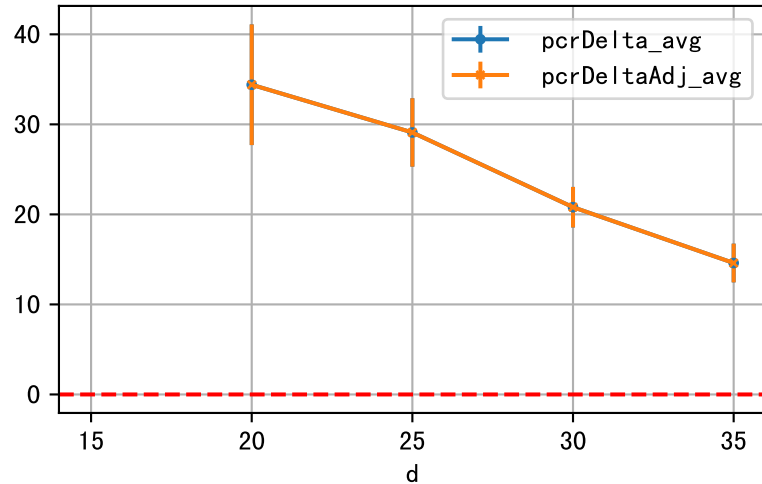


P6AE NdD: D_5d_NdD

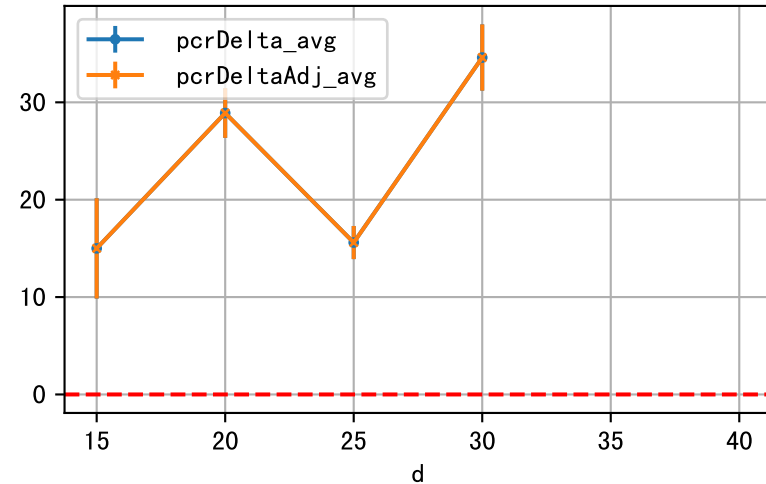
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

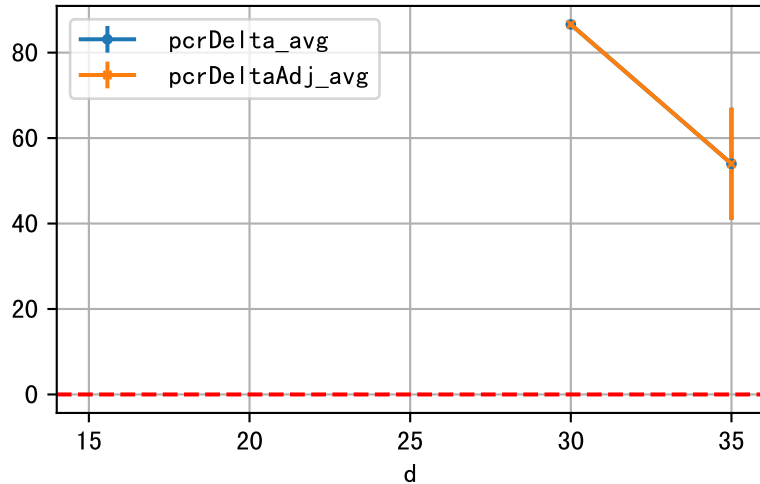


DeltaTypeAbbr=GrpByAge

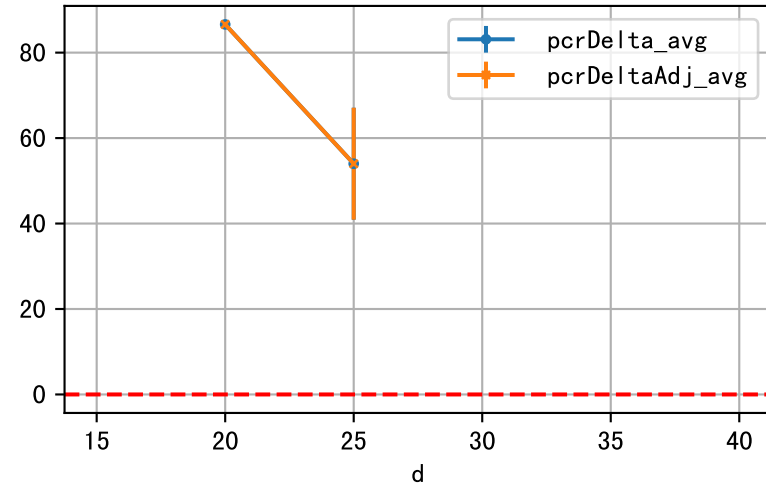


P6AE NdD: D_15d_NdD

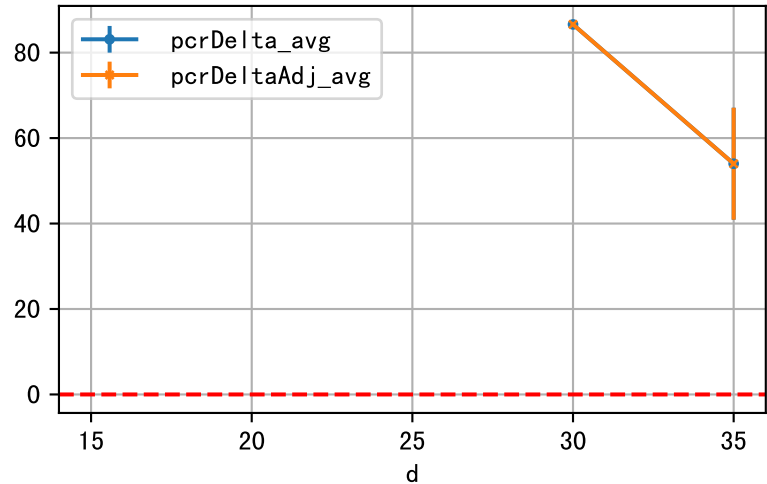
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

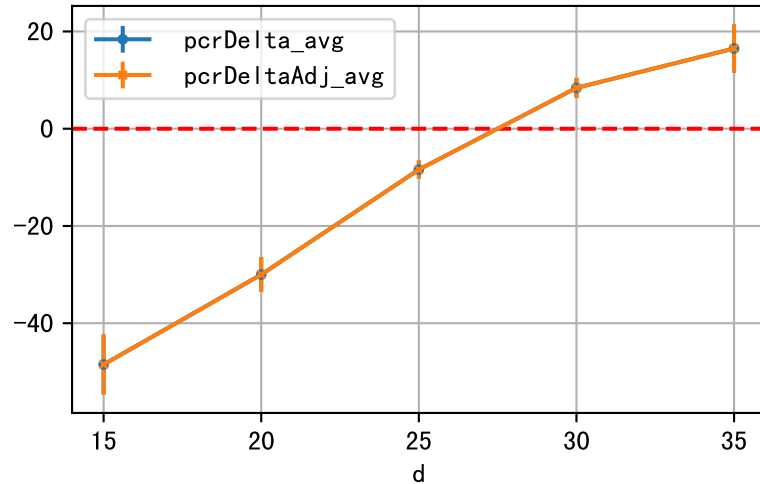


DeltaTypeAbbr=WeiAvgByD

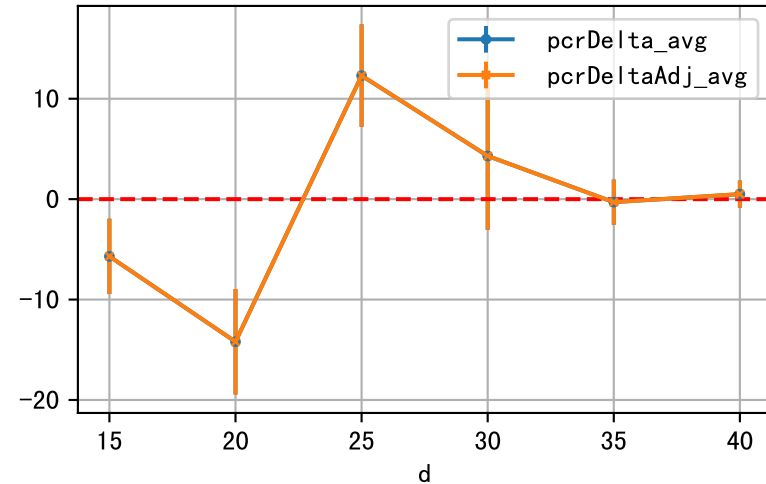


P6AE NdD: D_Q50_NdD

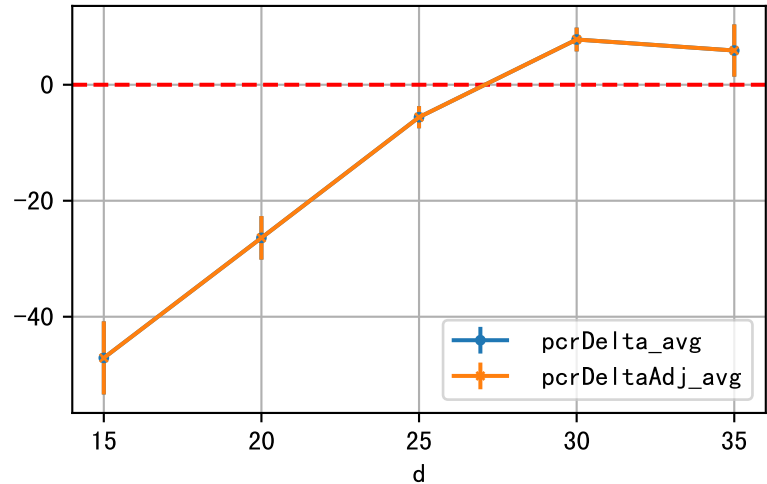
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

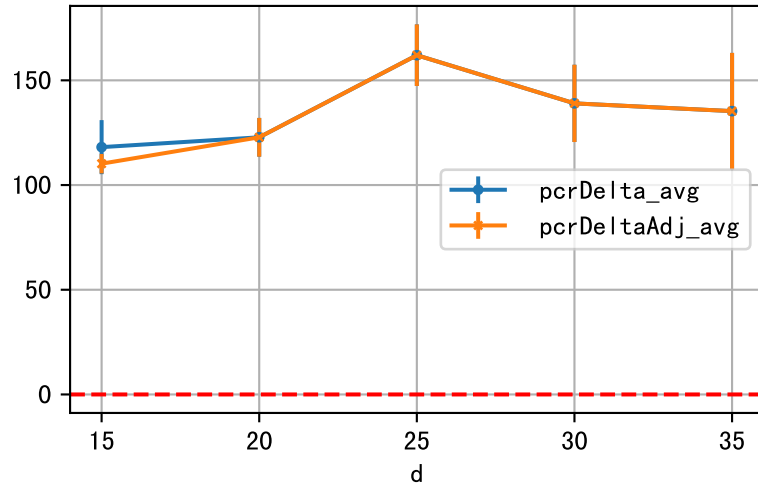


DeltaTypeAbbr=WeiAvgByD

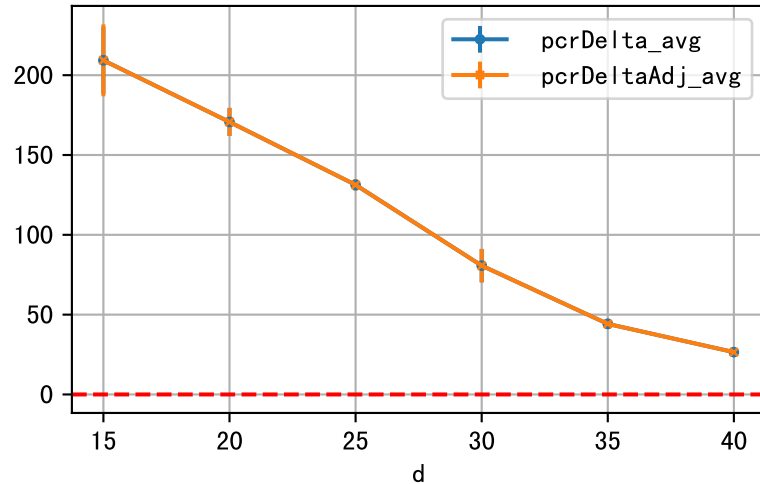


P6AE NdD: D_Est_NdD

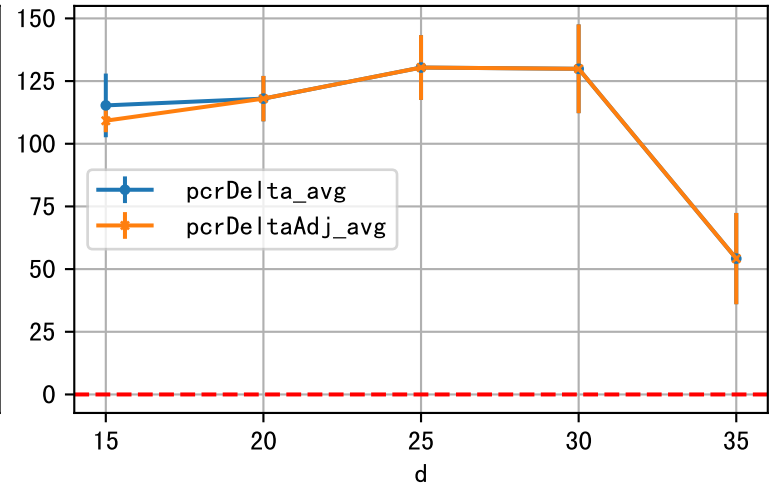
DeltaTypeAbbr=GrpByDay



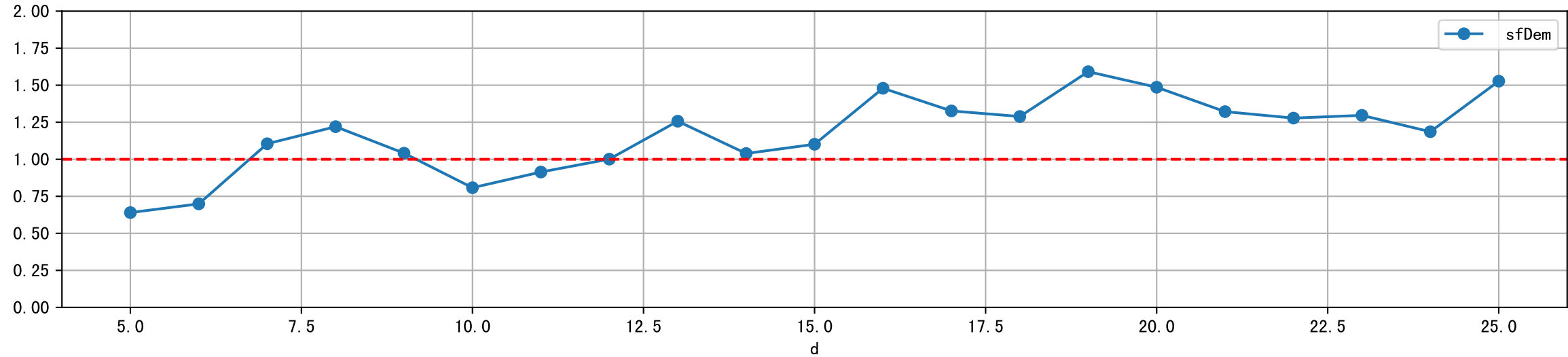
DeltaTypeAbbr=GrpByAge

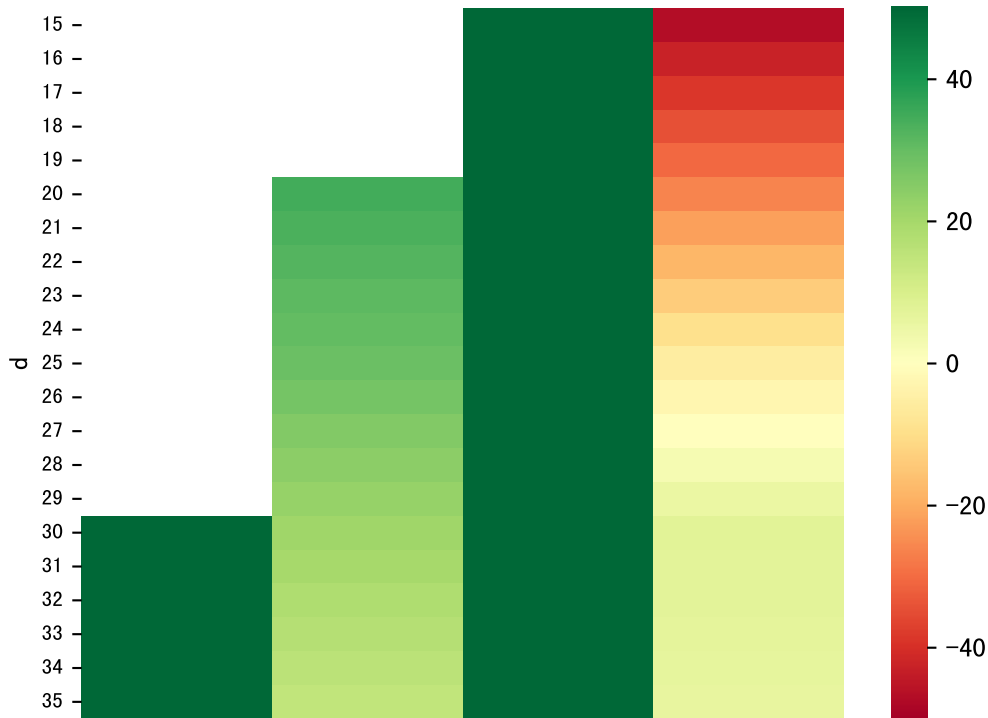


DeltaTypeAbbr=Wei AvgByD

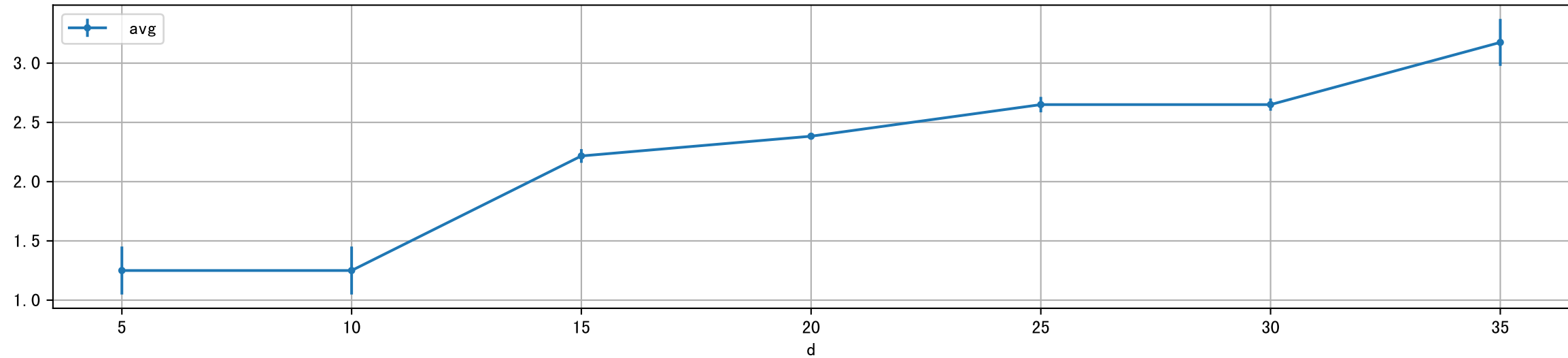


NdD: sfDem

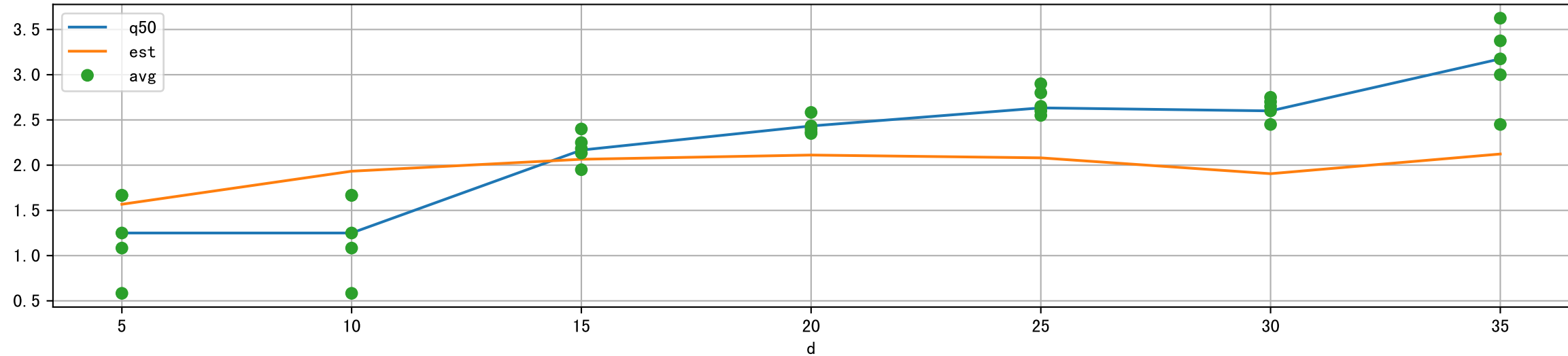




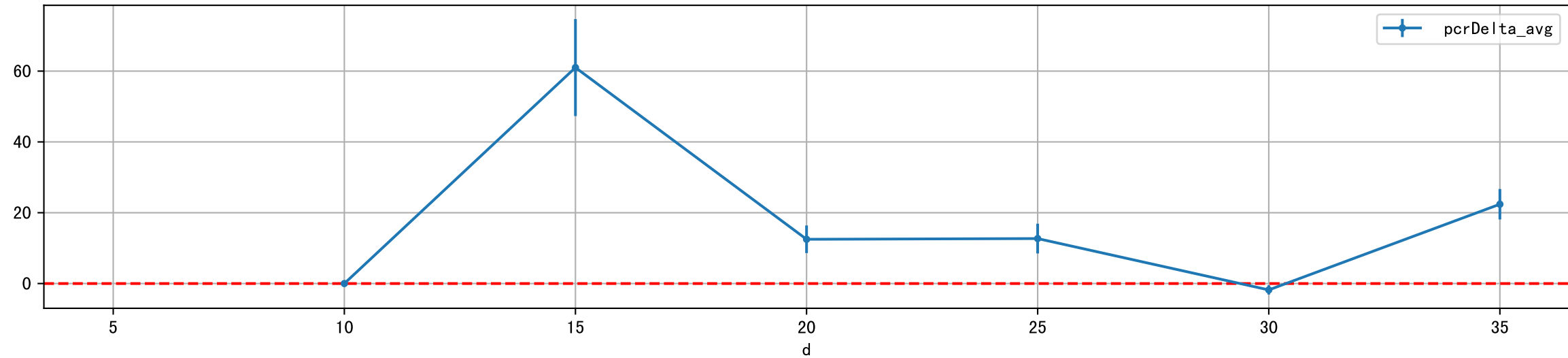
dStH: avg vs. d



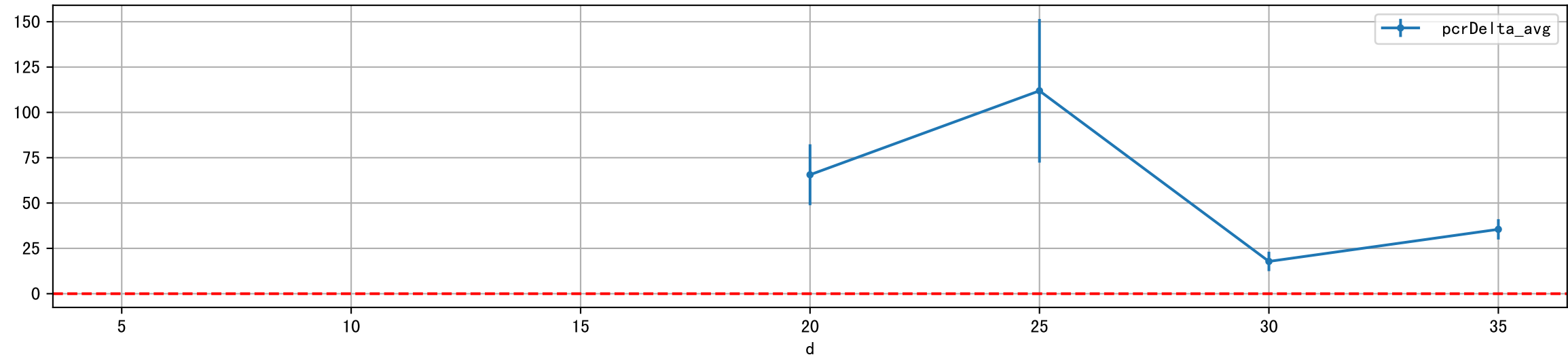
dStH: obsAvg vs obs0v@Q50



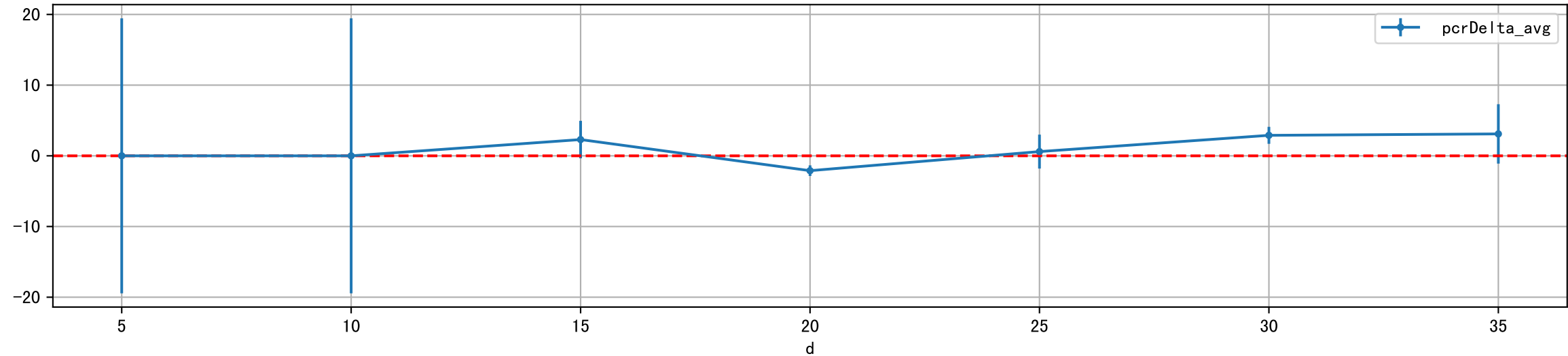
dStH: D_5d_StH



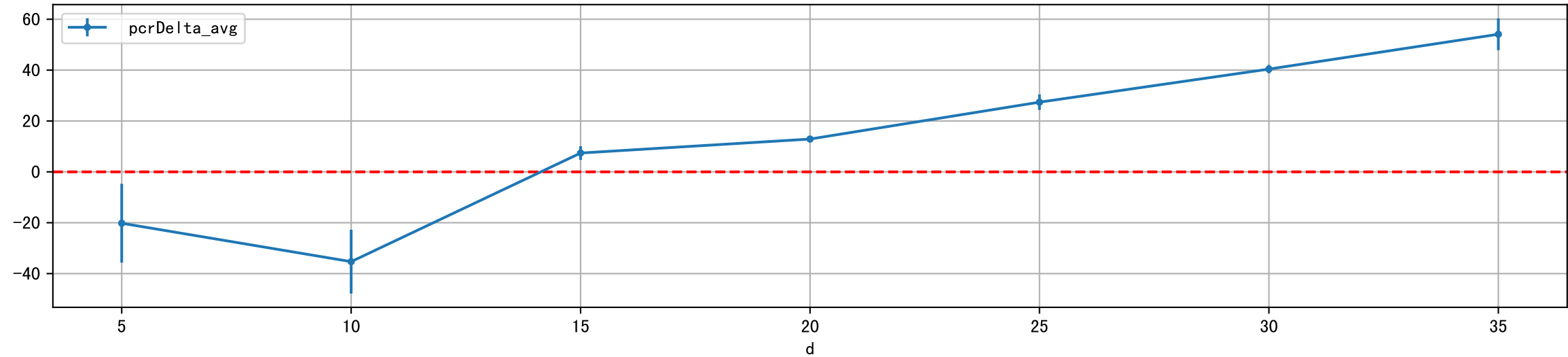
dStH: D_15d_StH



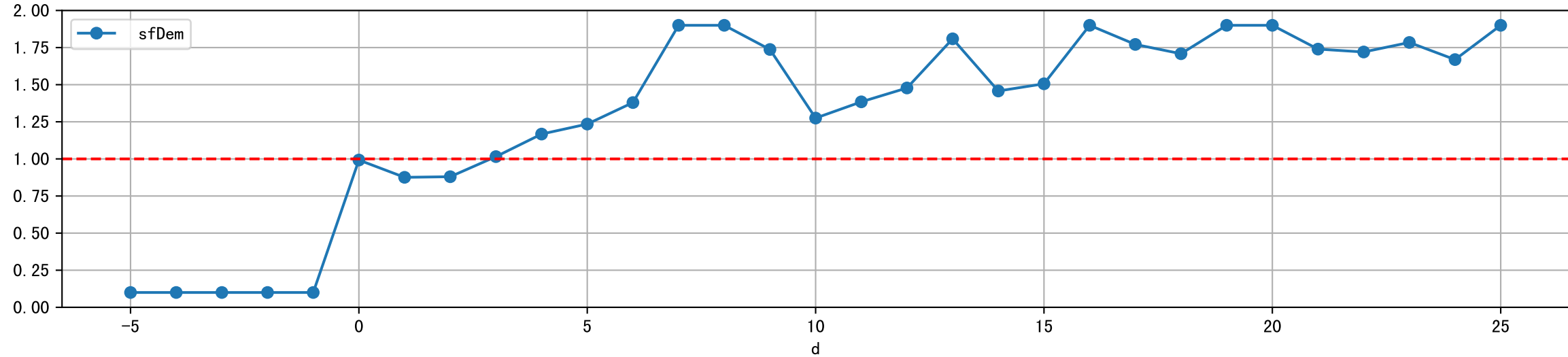
dStH: D_Q50_StH



dStH: D_Est_StH

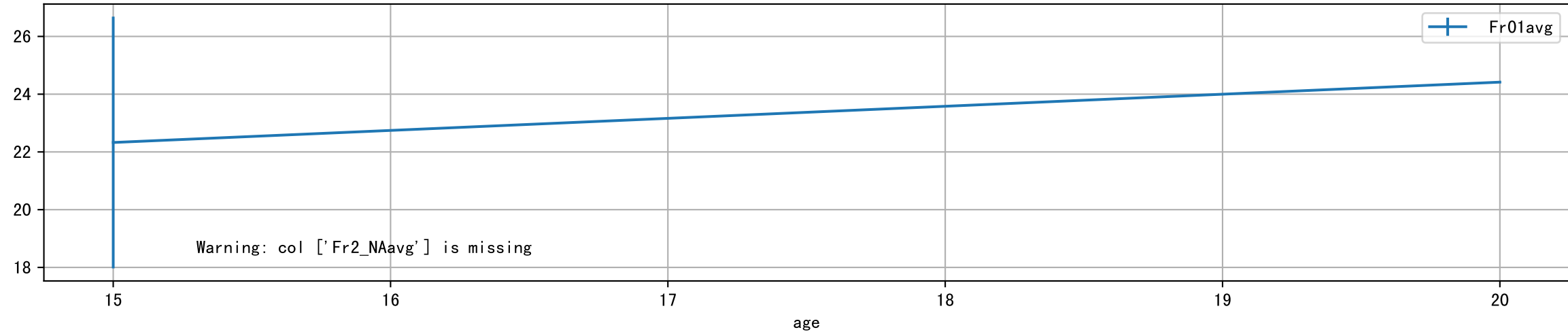


dStH: sfDem



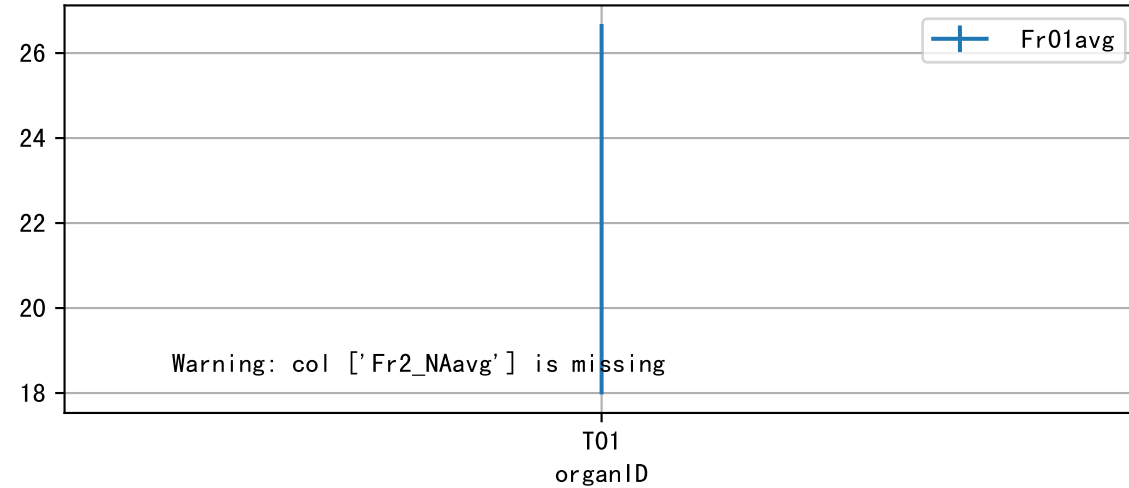


FrV: Fr01 vs Fr2_NA at each truss
organID=T01

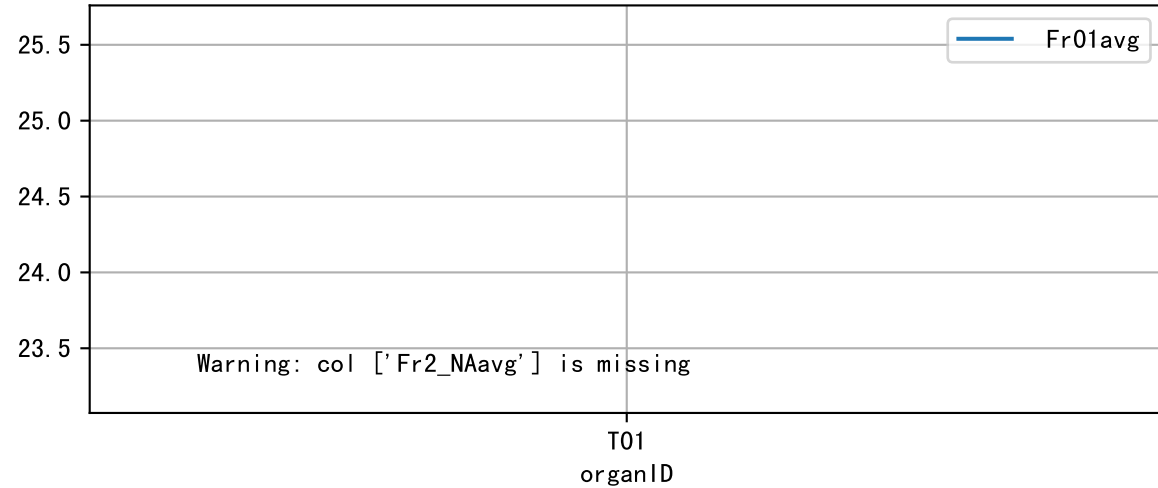


FrV trend at each age

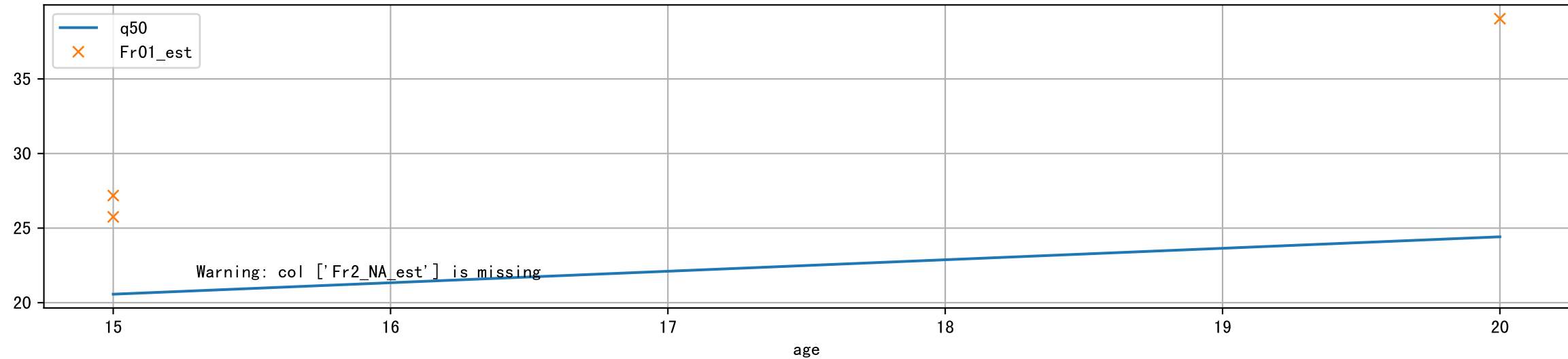
age=15



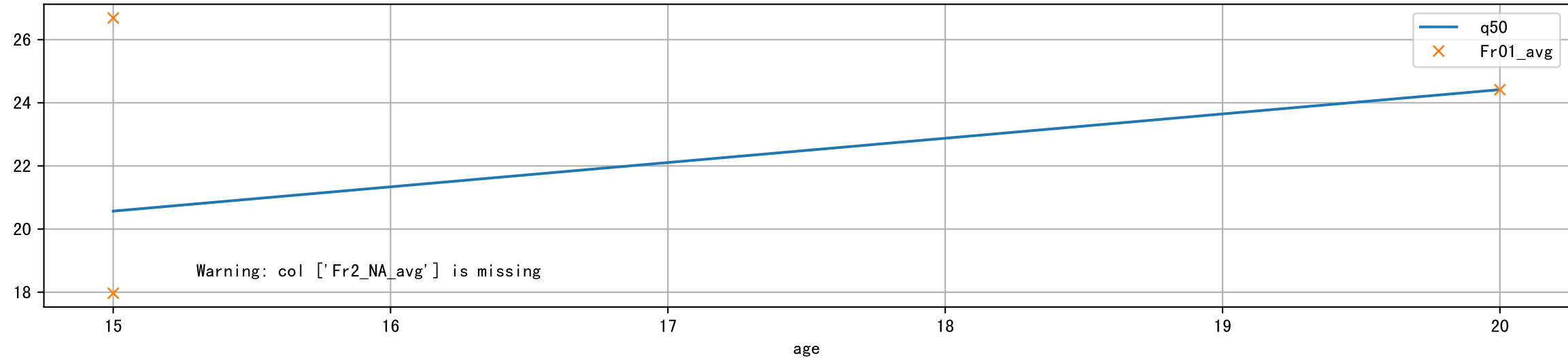
age=20



FrV: model Est vs obsFrV at Q90

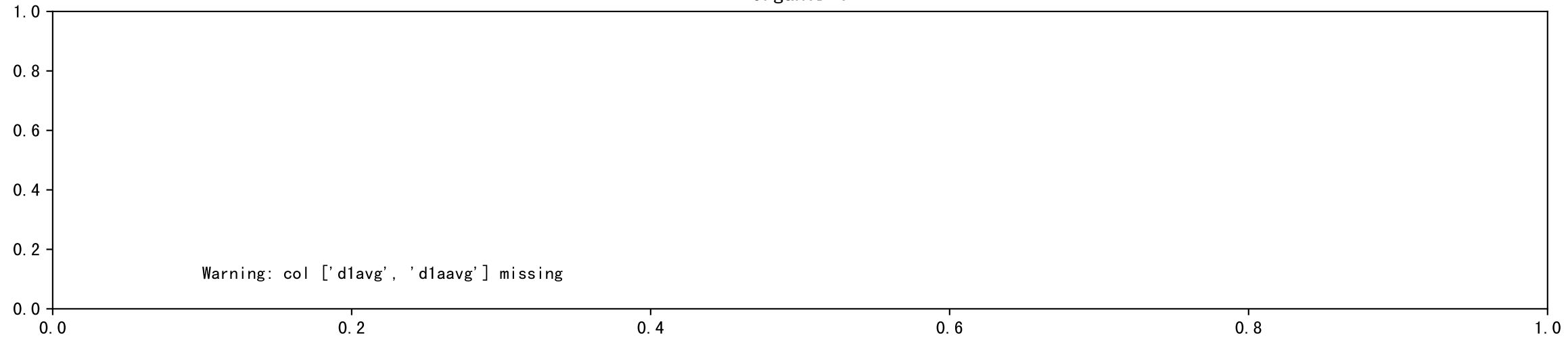


FrV: obsFrV vs obsFrV@Q90



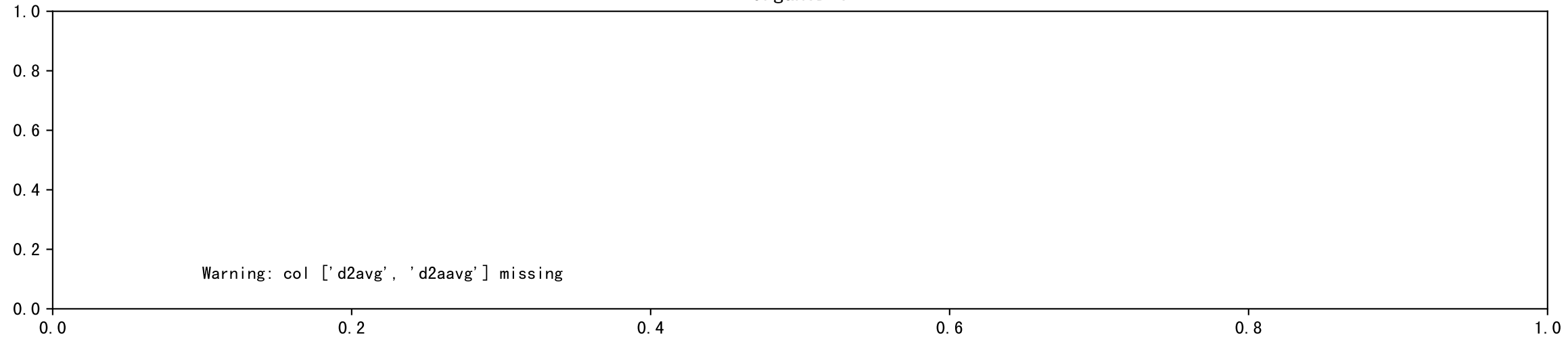
FrV: D_Fr1_FrV
organID=1

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

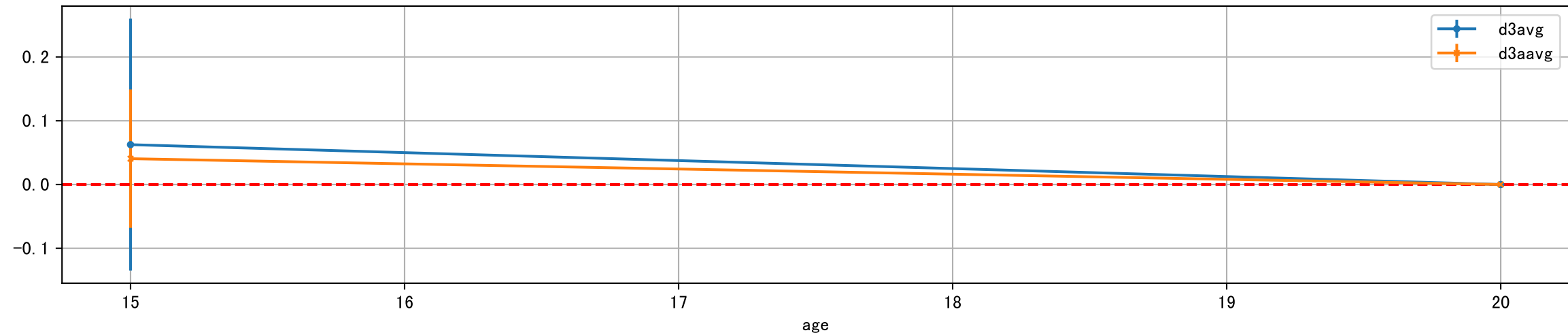


FrV: D_Ts_FrV
organID=1

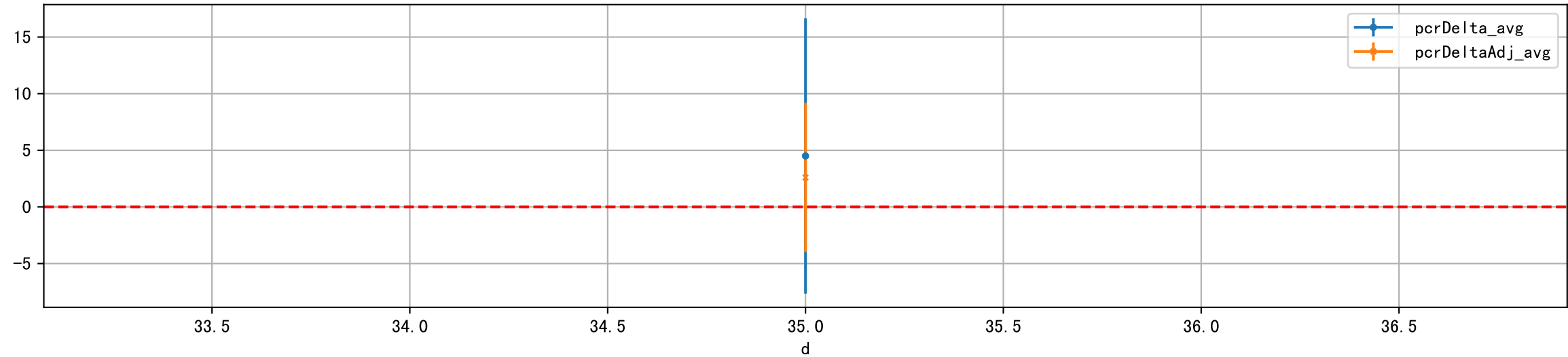
Warning: col ['d2avg', 'd2aavg'] missing



FrV: D_Q50_FrV
organID=1



P6AE FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=1

