

Phenotype Data Analysis Plots

PhenoData day range = 5 – 34

Analysis cutoff day = 34

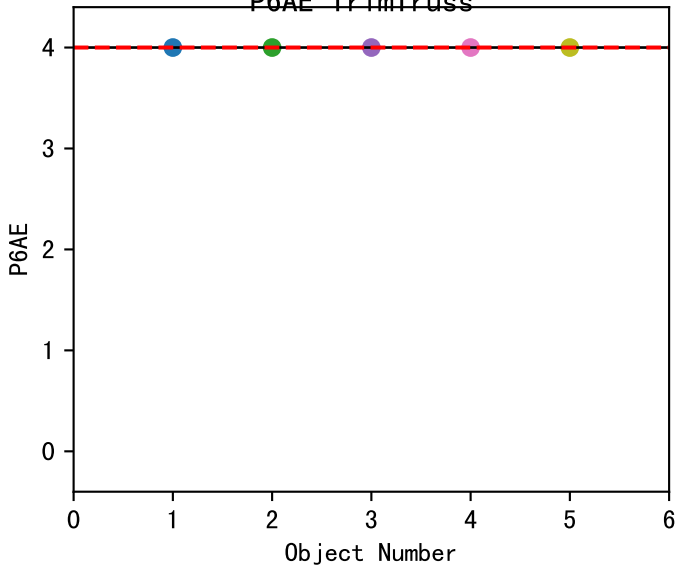
NC11 P6

2025-05-10 (Day 35)

TrussNodeMaxPerStem (Def=4.0 Set=4)

avg1=4.0~0% avg2=na

P6AE TrimTruss



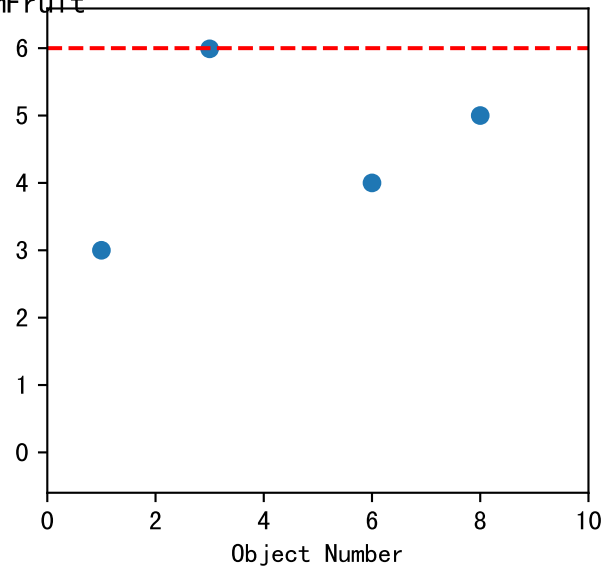
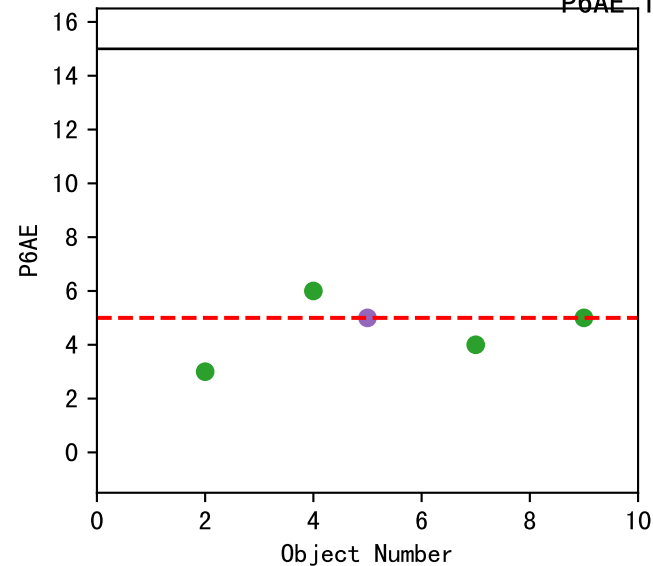
FruitNumAvgPerTruss (Def=15 Set=5)

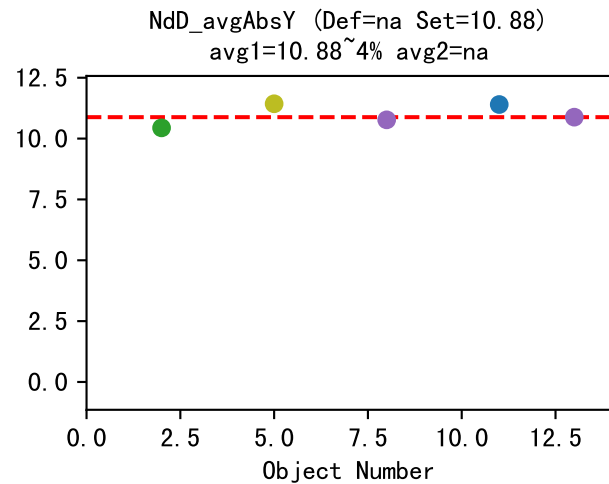
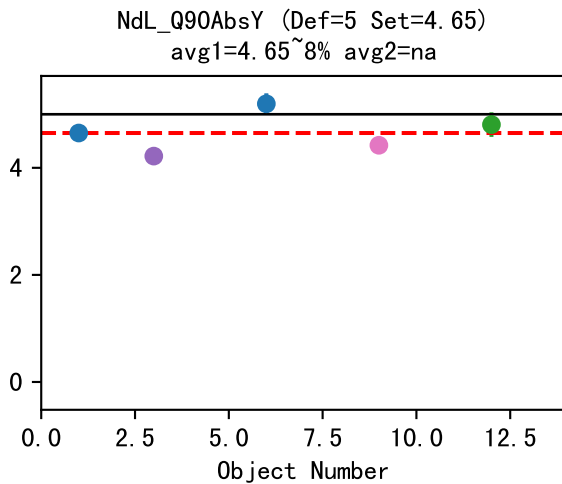
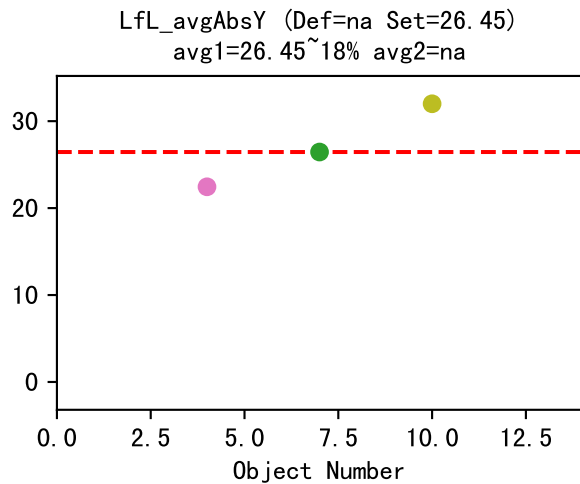
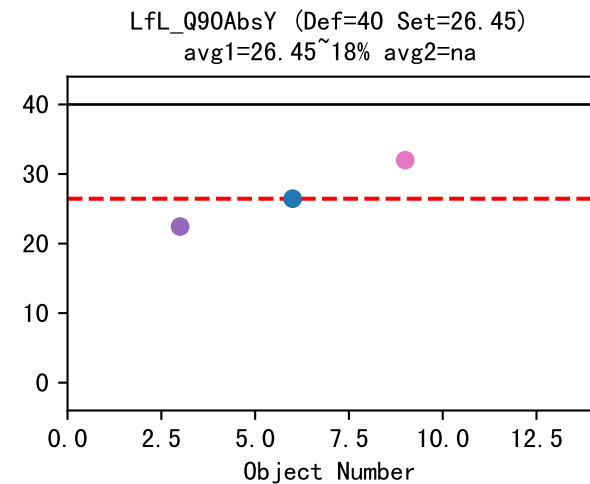
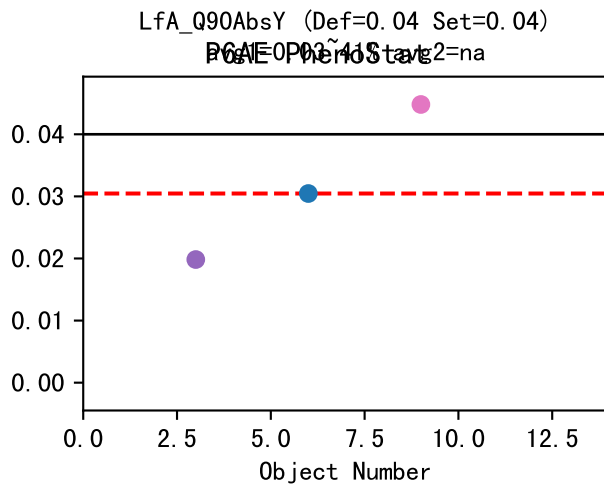
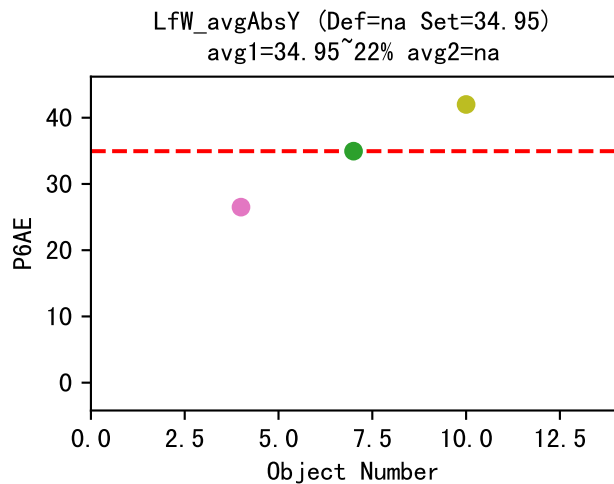
avg1=5.0~23% avg2=na

P6AE TrimFruit

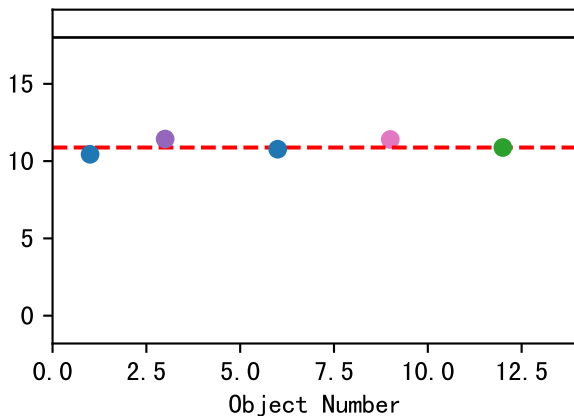
FruitNumMaxPerTruss (Def=na Set=6)

avg1=6.0~23% avg2=na

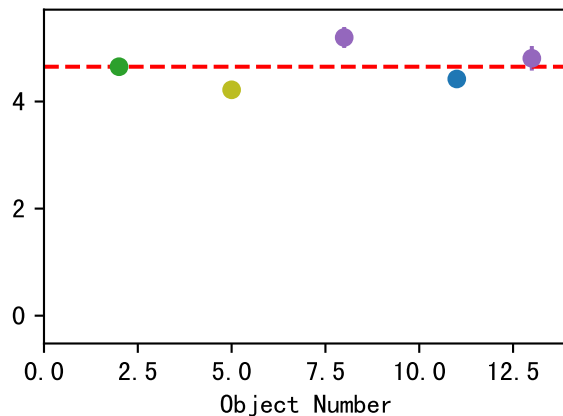




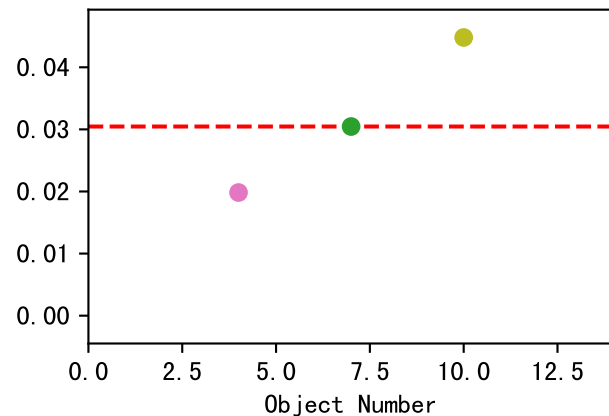
NdD_Q90AbsY (Def=18 Set=10.88)
avg1=10.88~4% avg2=na



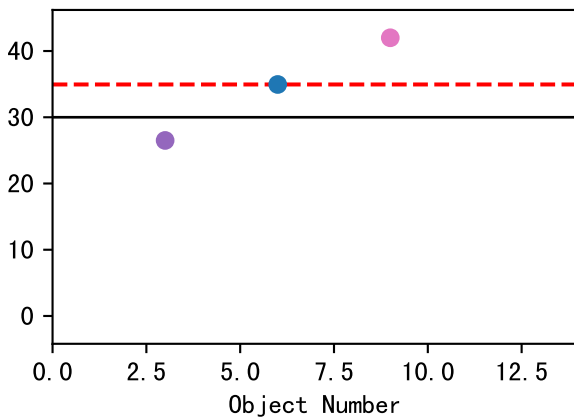
NdL_avgAbsY (Def=na Set=4.65)
avg1=4.65~8% avg2=na



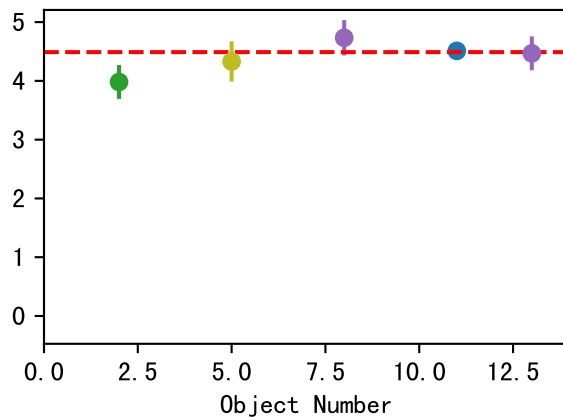
LfA_avgAbsY (Def=na Set=na)
avg1=0.03~41% avg2=na



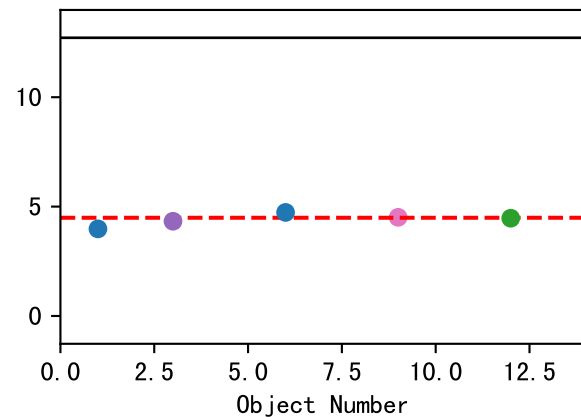
LfW_Q90AbsY (Def=30 Set=34.95)
avg1=34.95~22% avg2=na



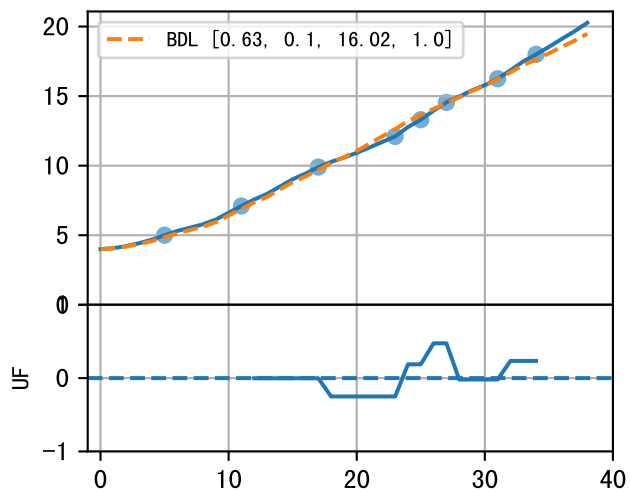
NdV_avgAbsY (Def=na Set=na)
avg1=4.49~4% avg2=na



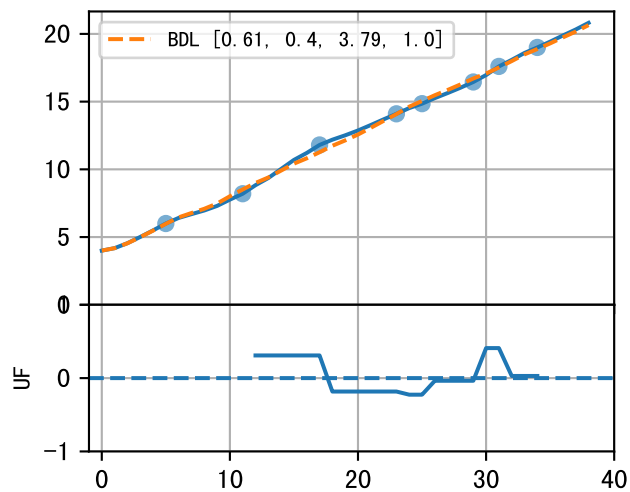
NdV_Q90AbsY (Def=12.72 Set=12.72)
avg1=4.49~4% avg2=na



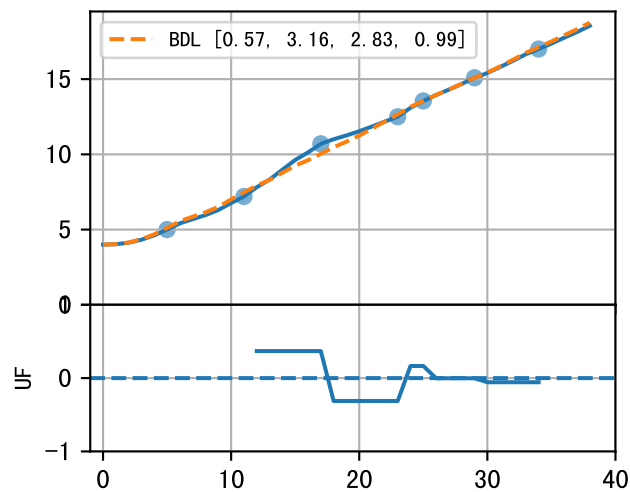
P6AE-007-10 (fit failed)



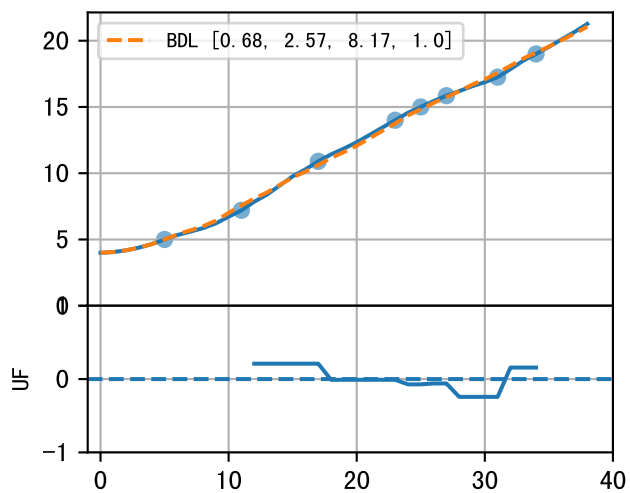
P6AE-014-17 (fit failed)



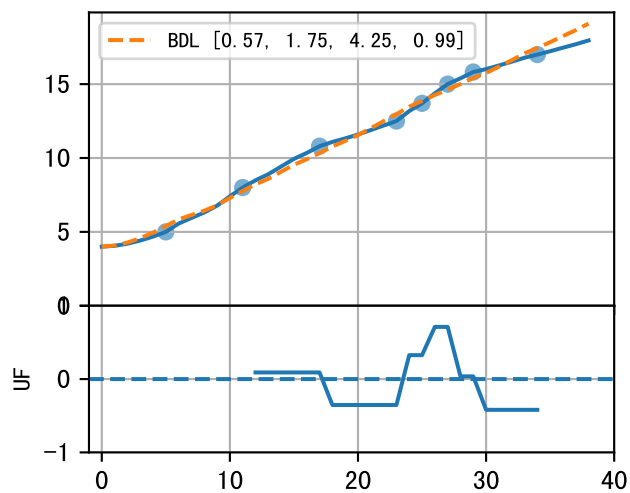
P6AE-026-25 (fit failed)



P6AE-033-4 (fit failed)



P6AE-045-12 (fit failed)

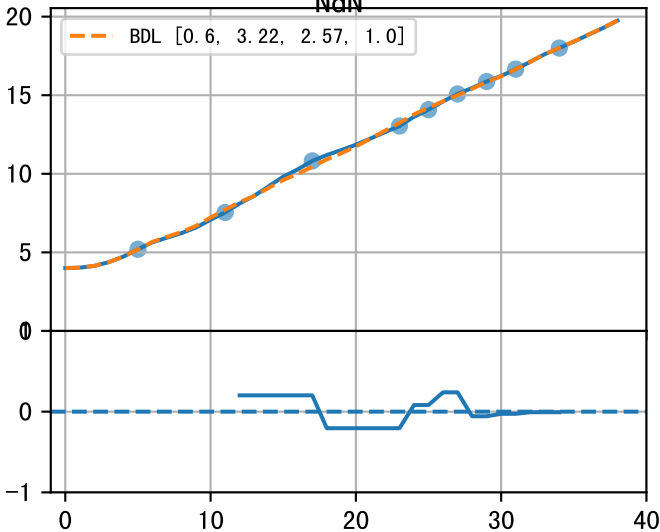


P6AEavg (fit failed)

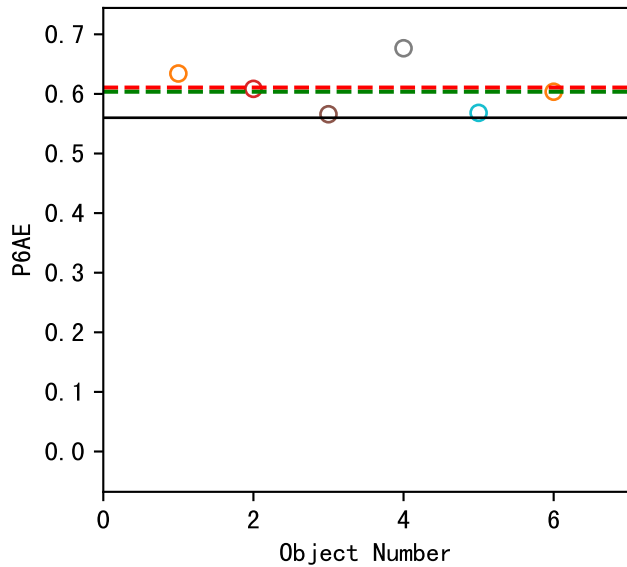
NaN

BDL [0.6, 3.22, 2.57, 1.0]

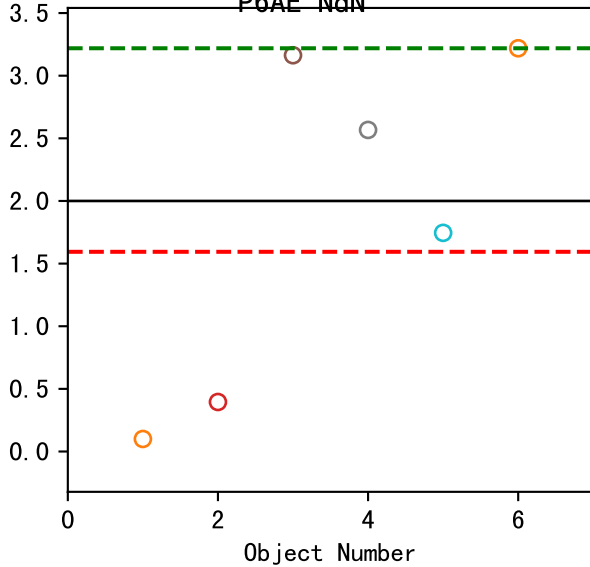
UF



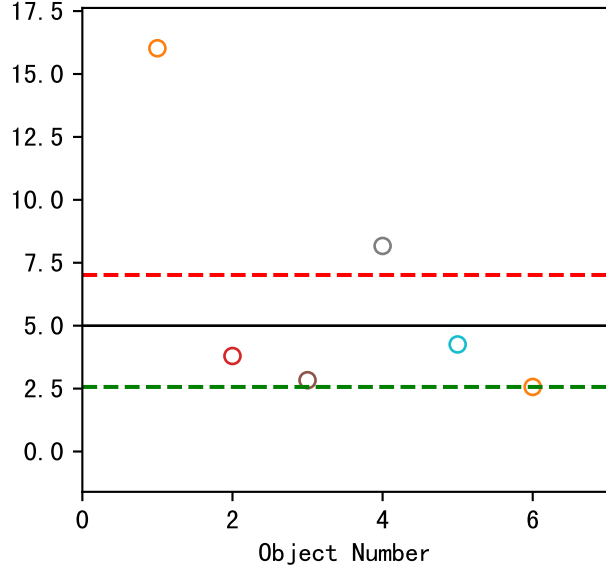
a (Def=0.56 Set=0.6)
avg1=0.61(fail) avg2=0.6



dm (Def=2 Set=3.22)
avg1=1.59(fail) avg2=3.22



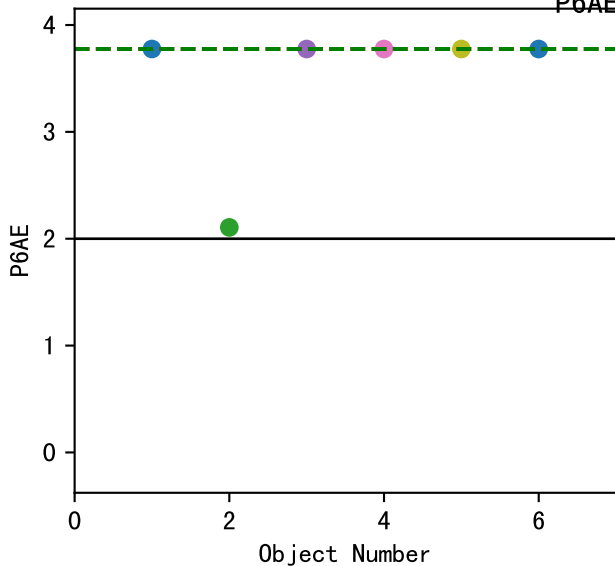
de (Def=5 Set=2.57)
avg1=7.01(fail) avg2=2.57



InitDev_dm (Def=2 Set=3.78)

avg1=3.78~0% avg2=3.78

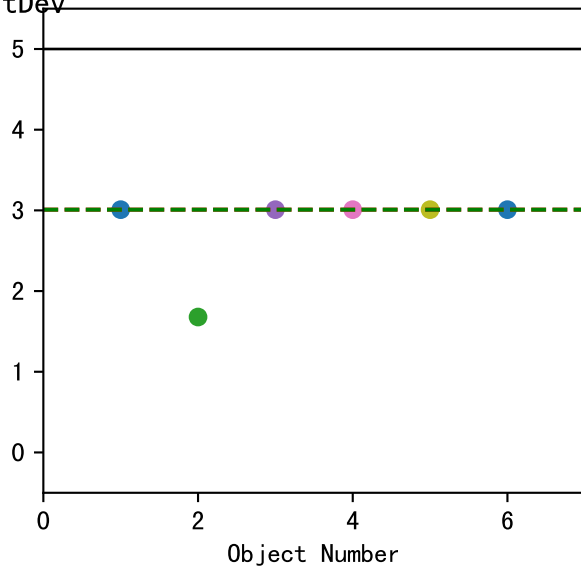
P6AE



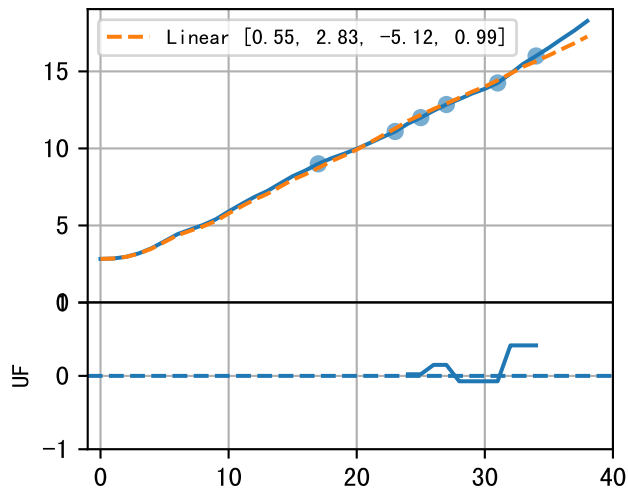
InitDev_de (Def=5 Set=3.01)

avg1=3.01~0% avg2=3.01

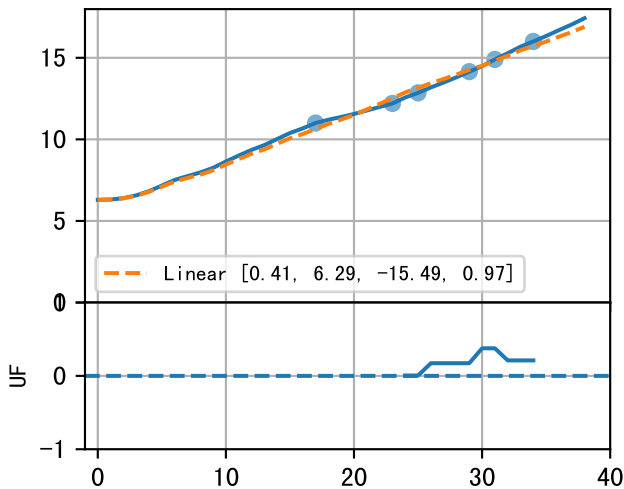
InitDev



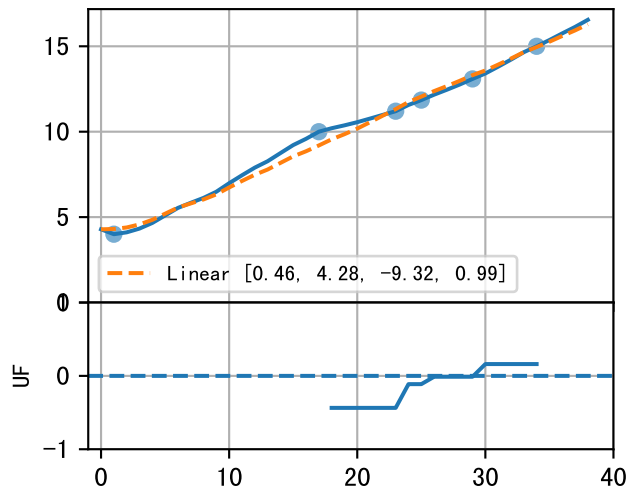
P6AE-007-10



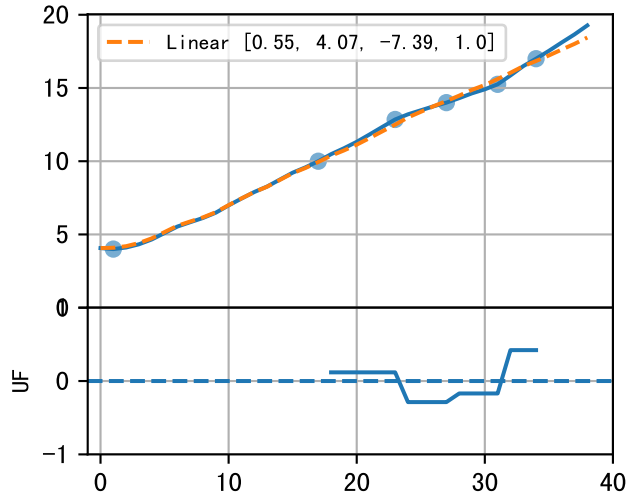
P6AE-014-17



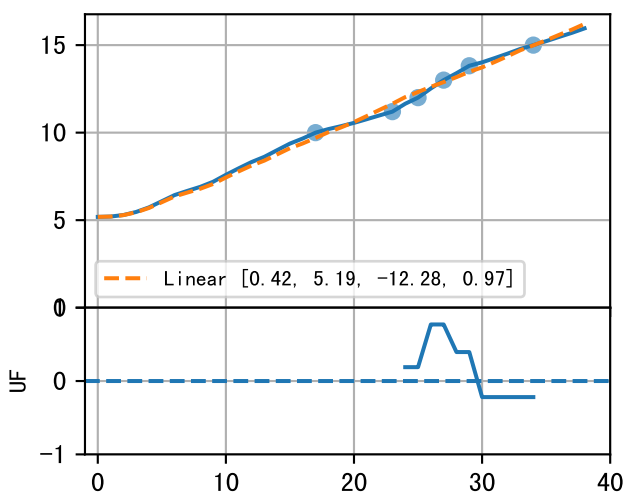
P6AE-026-25



P6AE-033-4



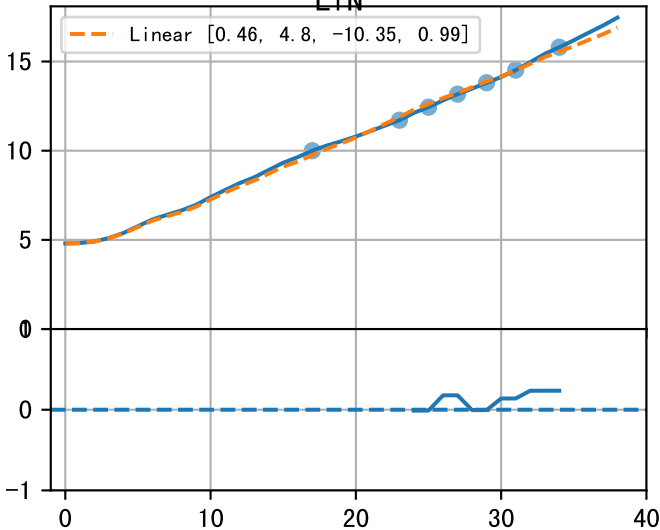
P6AE-045-12

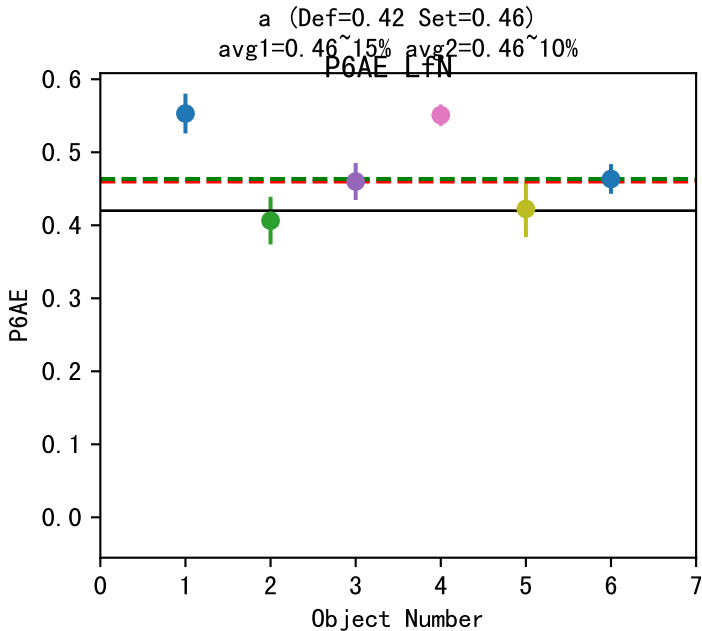


P6AEavg
L_{FN}

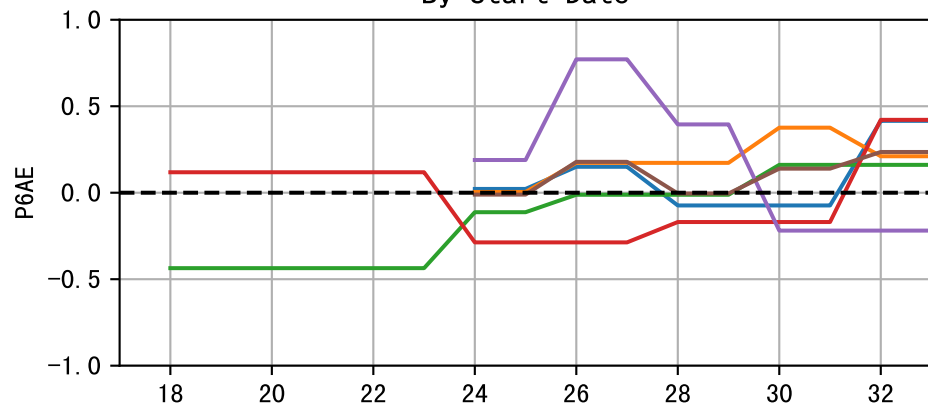
Linear [0.46, 4.8, -10.35, 0.99]

UF

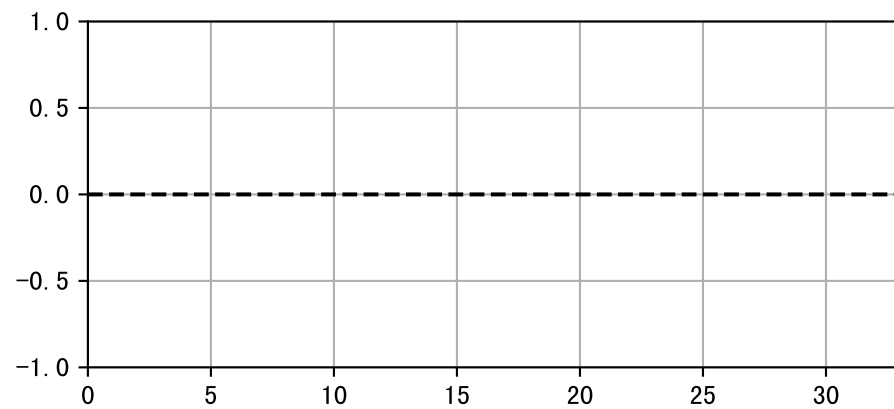
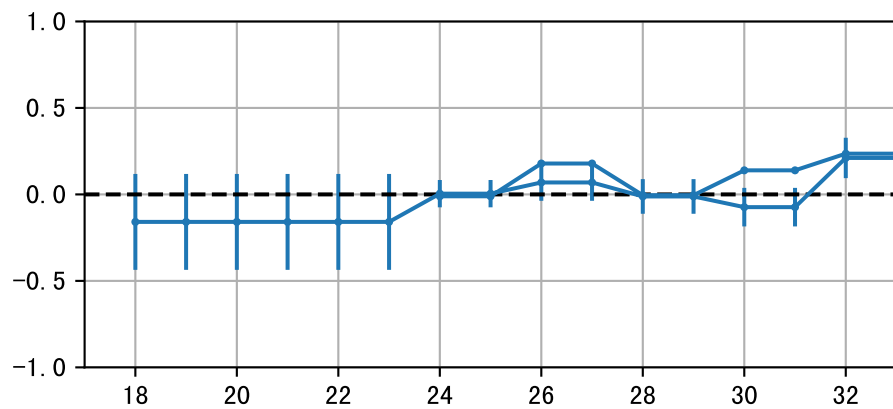
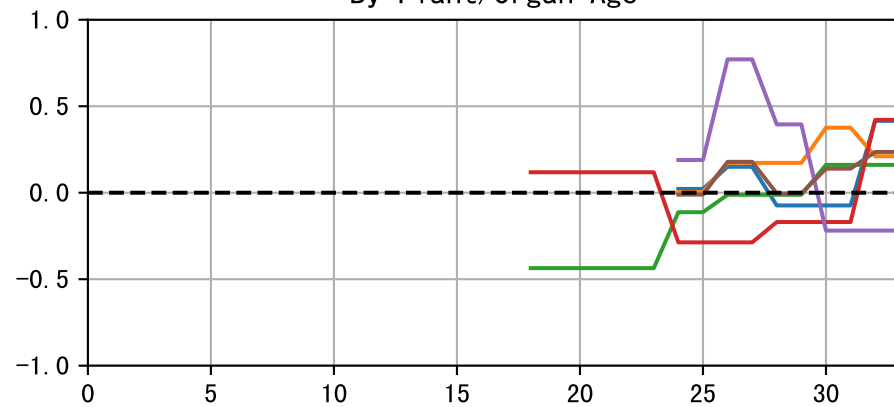




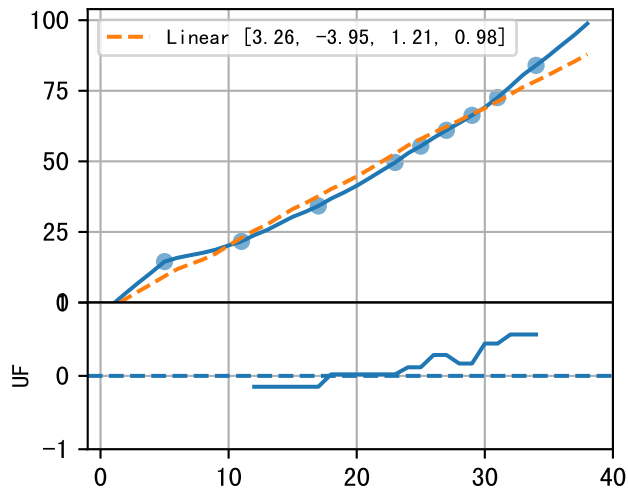
By Start Date



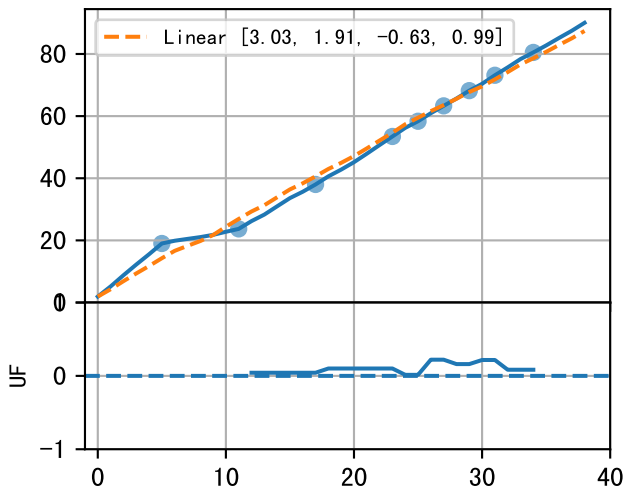
By Plant/Organ Age



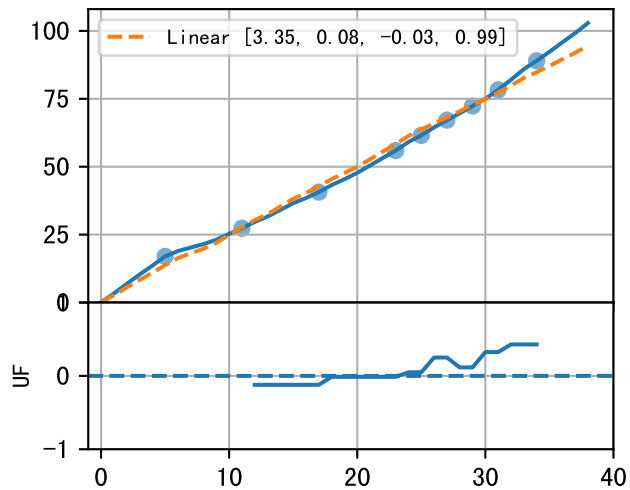
P6AE-007-10



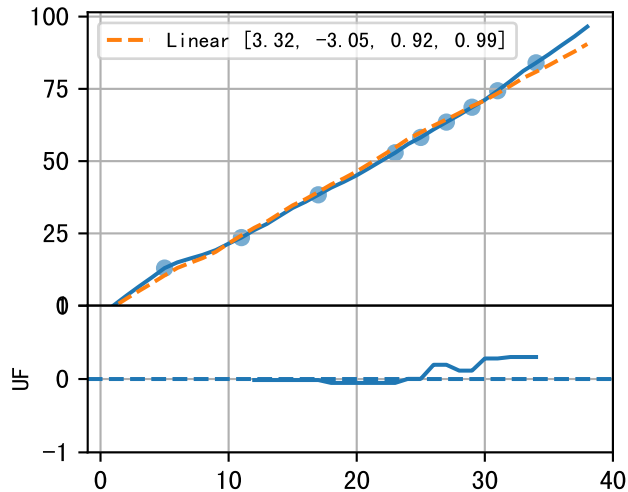
P6AE-014-17



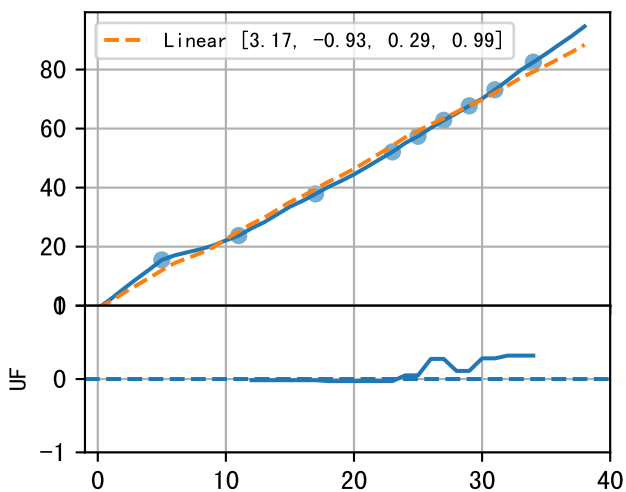
P6AE-026-25



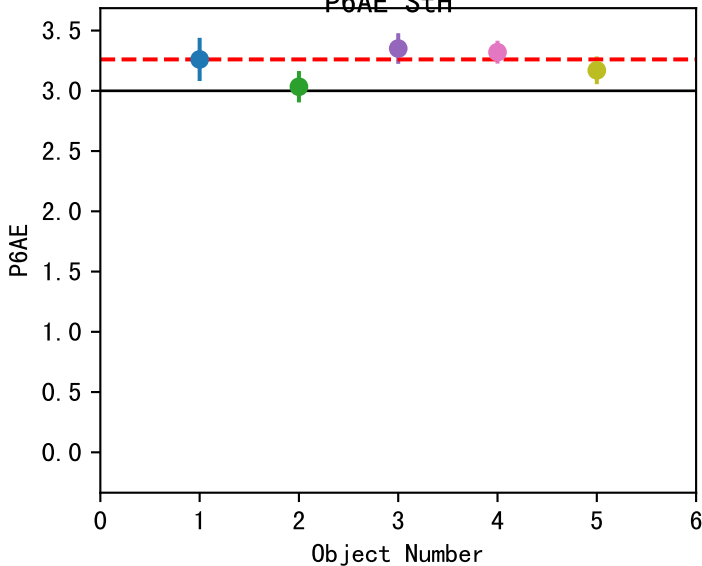
P6AE-033-4



P6AE-045-12

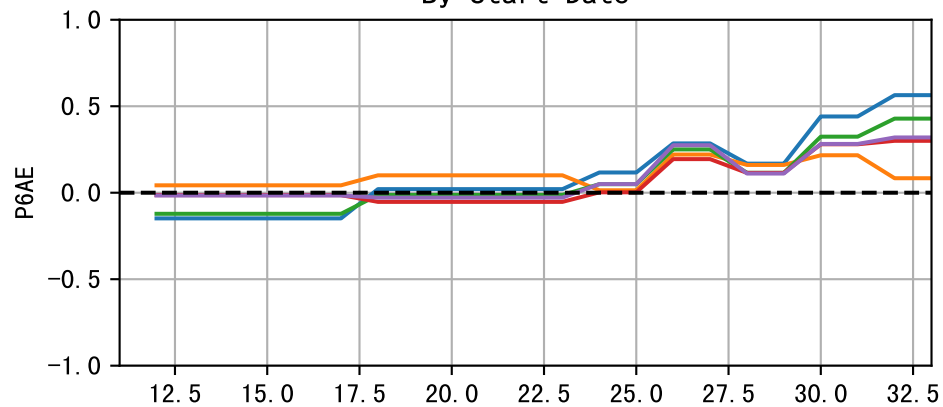


a (Def=3 Set=3.26)
avg1=3.26~4% avg2=na
P6AE StH

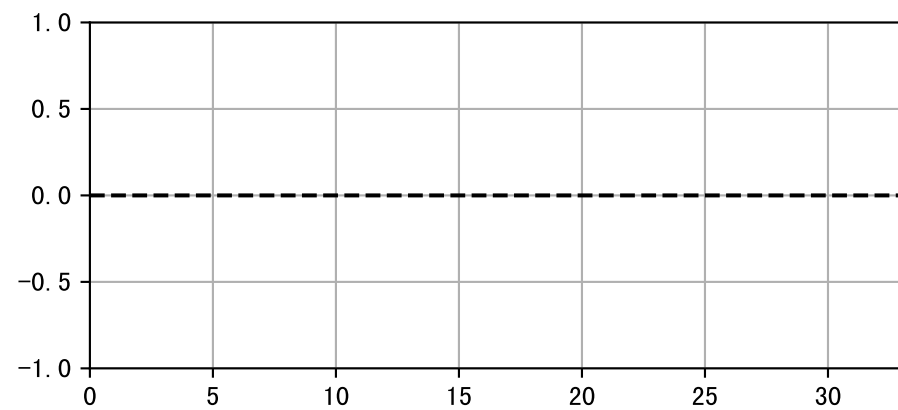
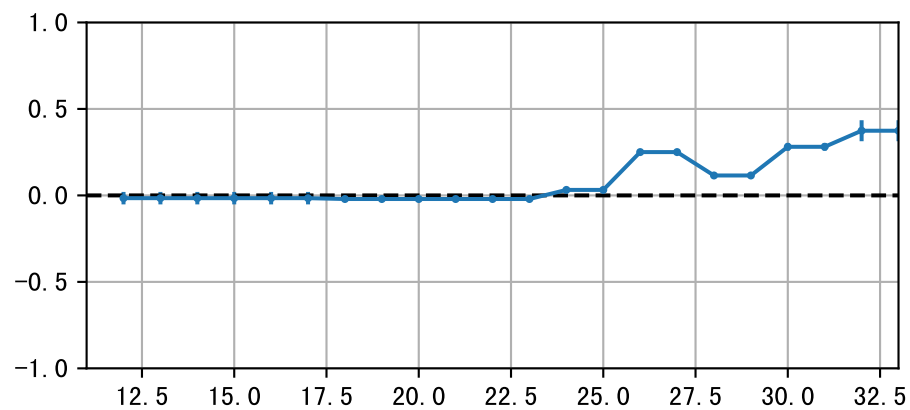
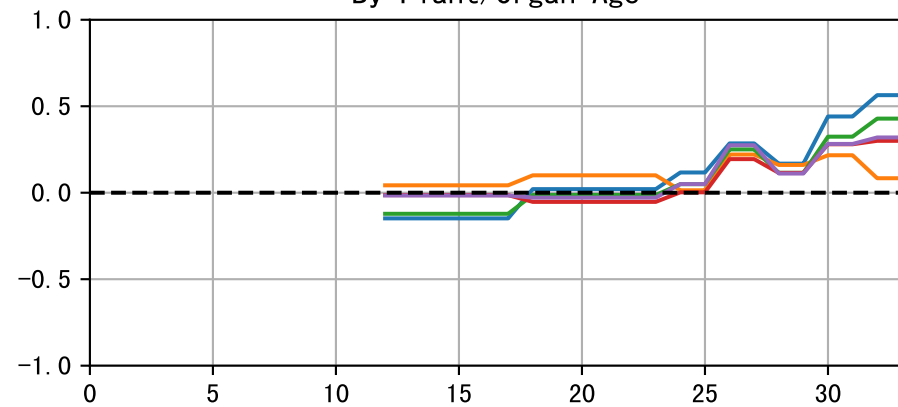


StH

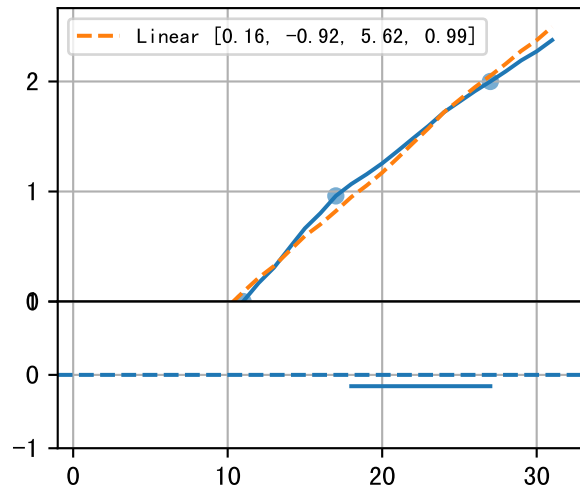
By Start Date



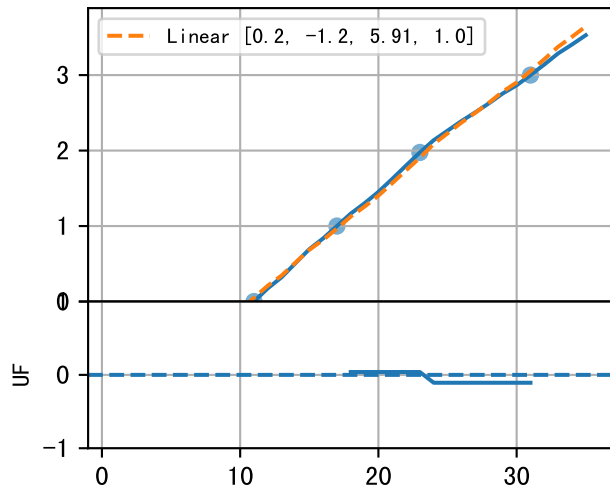
By Plant/Organ Age



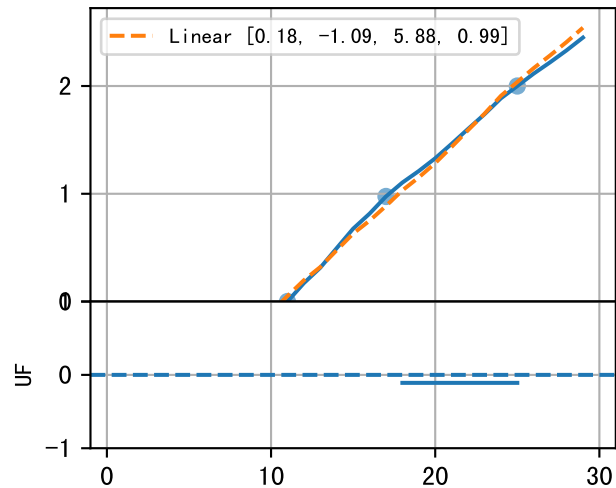
P6AE-007-10



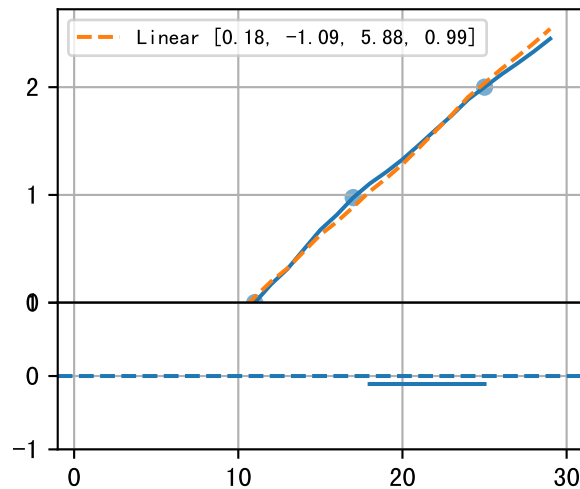
P6AE-014-17



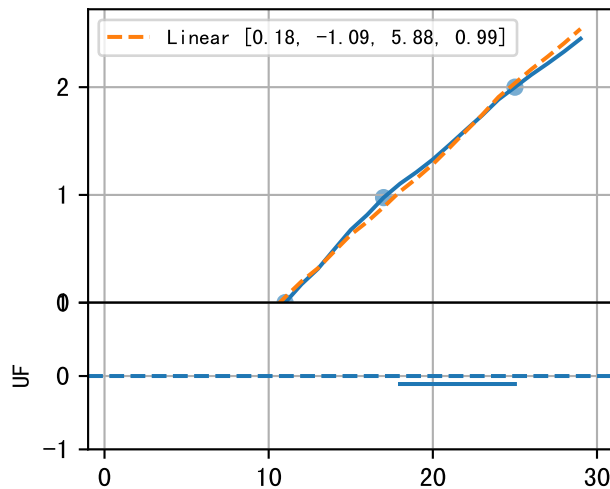
P6AE-026-25



P6AE-033-4



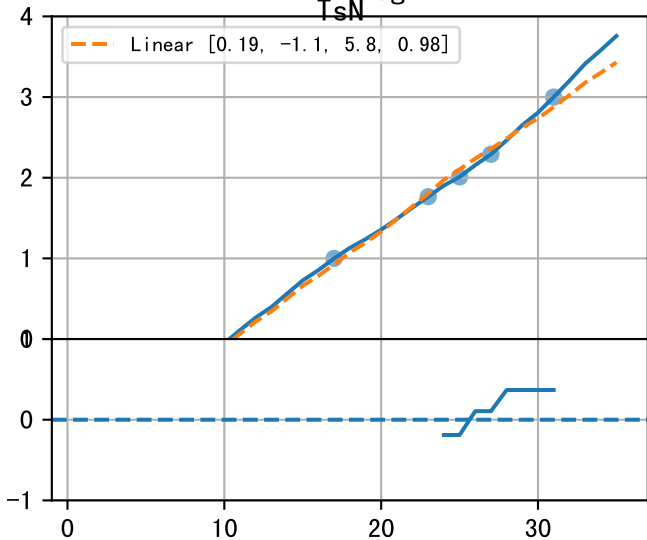
P6AE-045-12



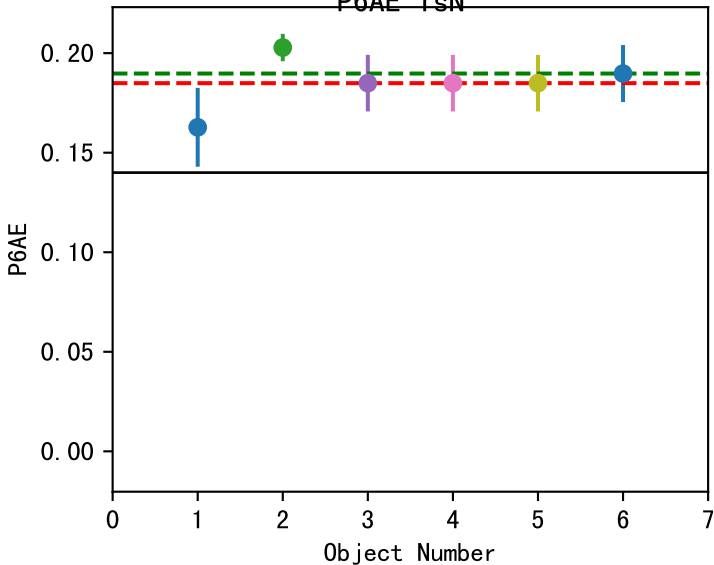
P6AEavg
T_{SN}

Linear [0.19, -1.1, 5.8, 0.98]

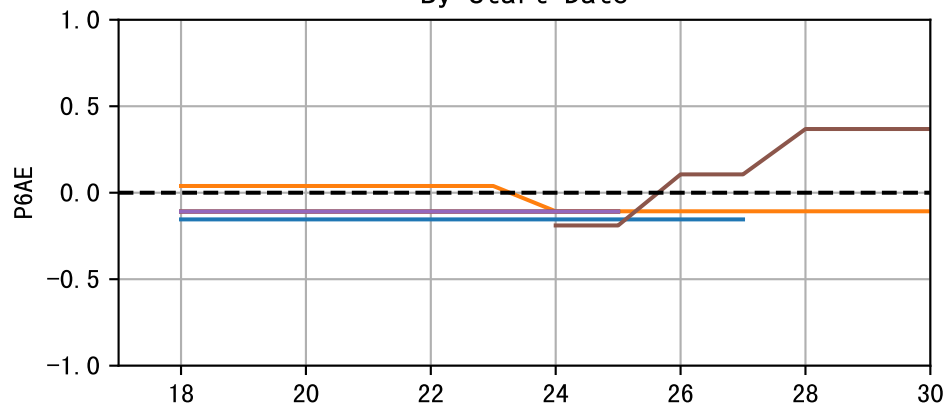
UF



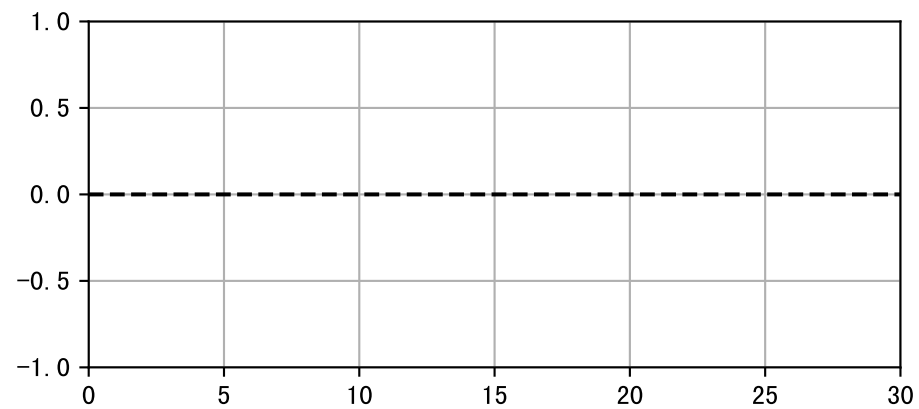
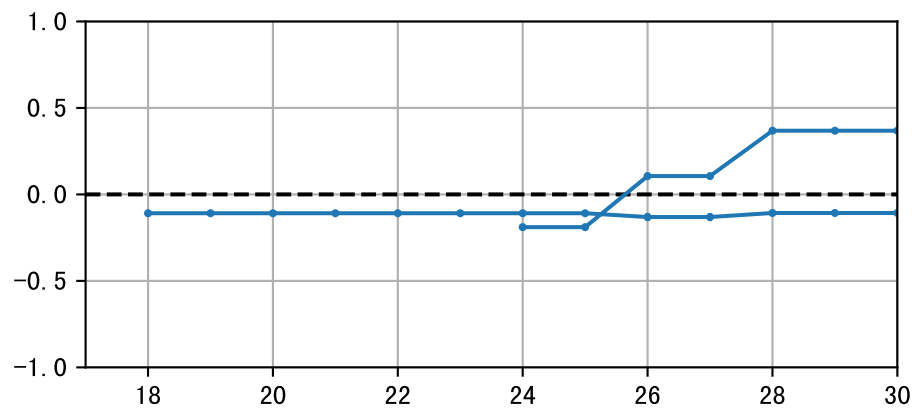
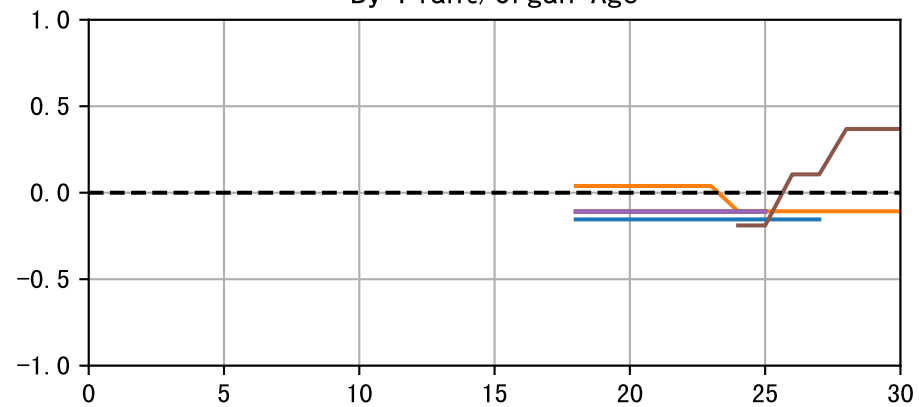
a (Def=0.14 Set=0.19)
avg1=0.18~0% avg2=0.19~15%
P6AE TSN



By Start Date

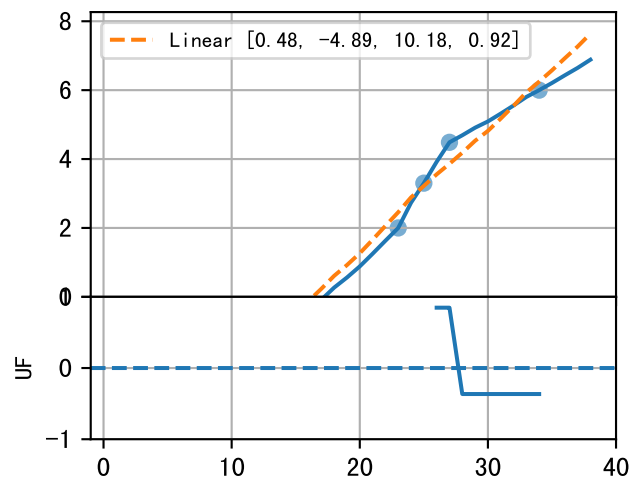


By Plant/Organ Age

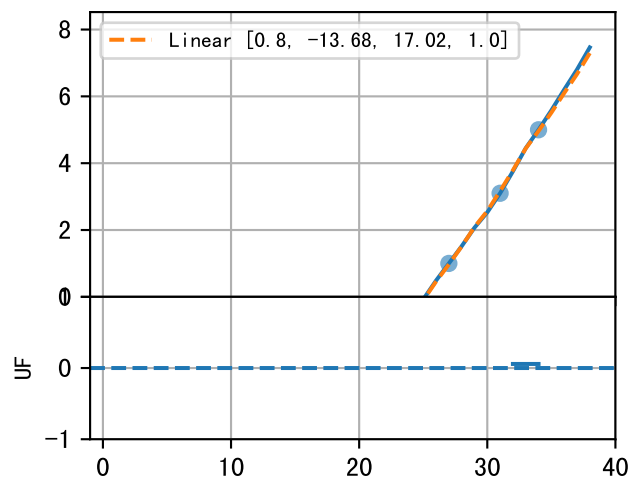


ErN

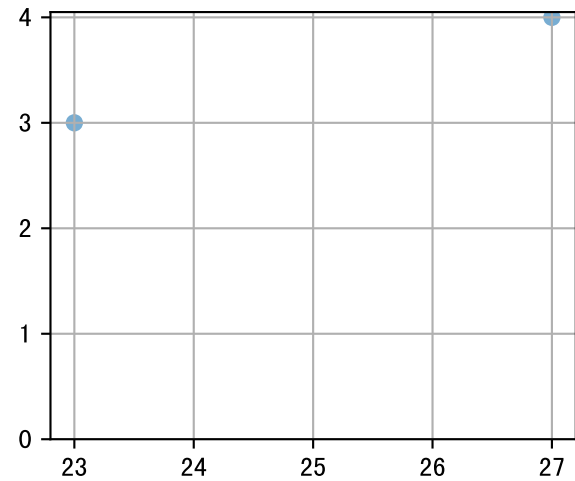
P6AE-014-17T1



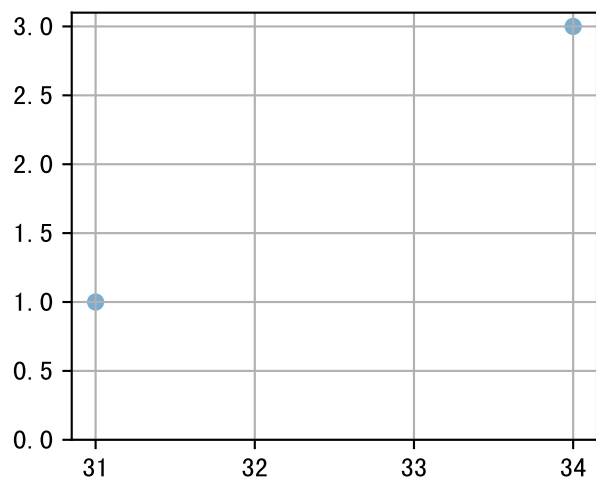
P6AE-014-17T2



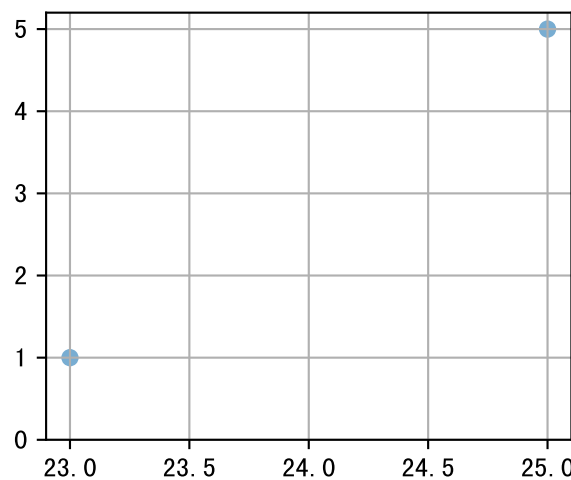
P6AE-026-25T1 (fit failed)



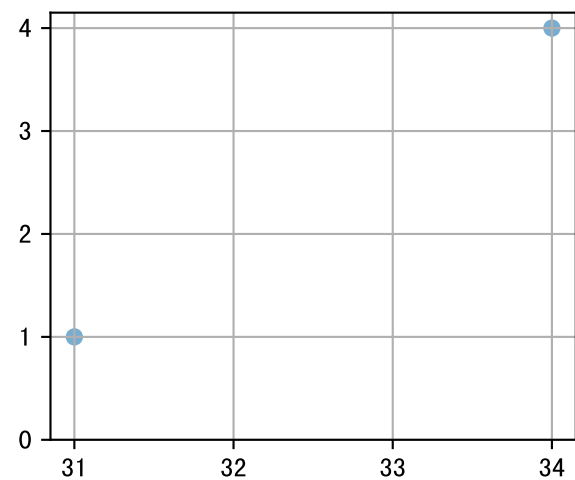
P6AE-026-25T2 (fit failed)



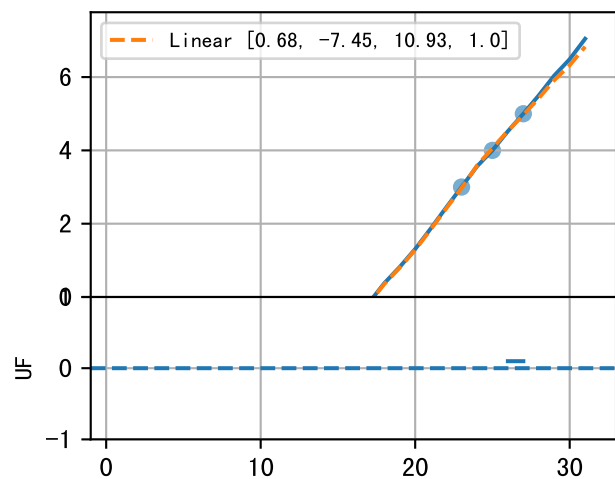
P6AE-033-4T1 (fit failed)



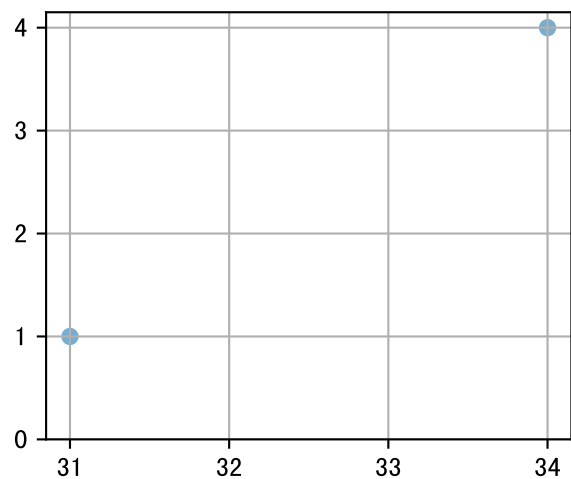
P6AE-033-4T2 (fit failed)



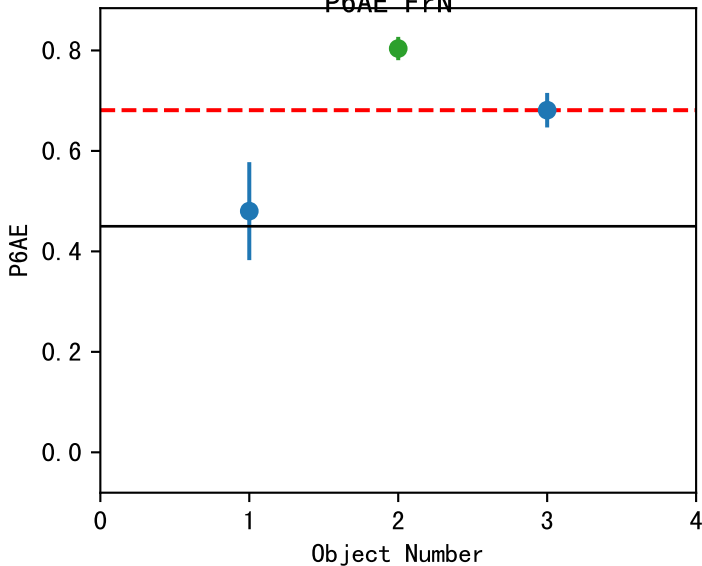
P6AE-045-12T1



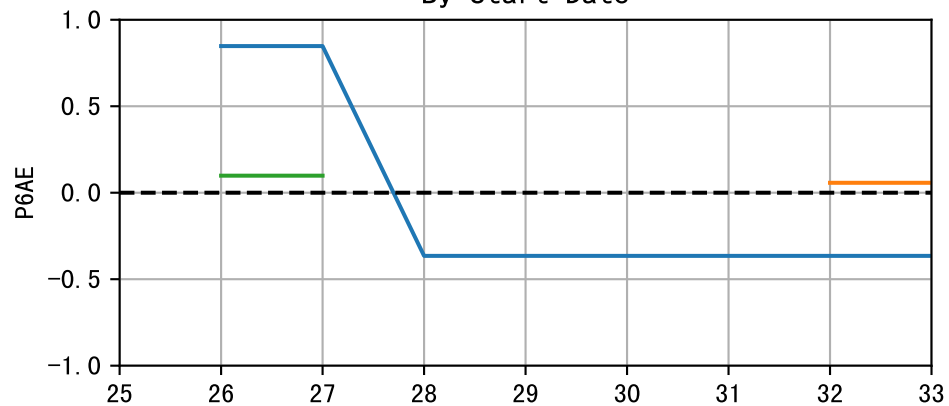
P6AE-045-12T2 (fit failed)



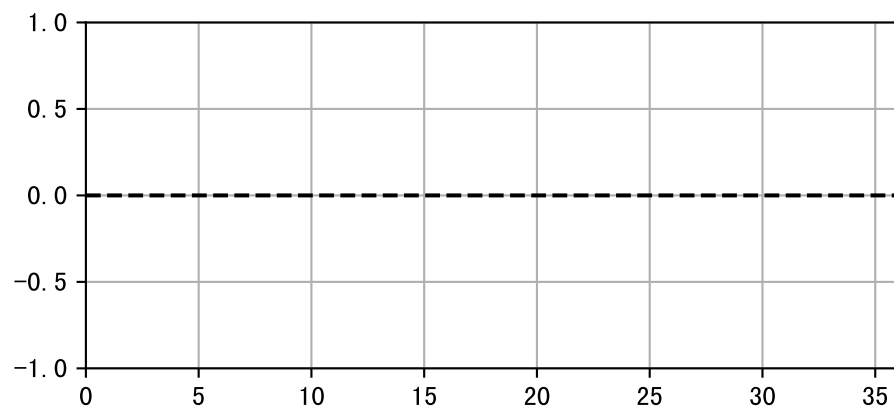
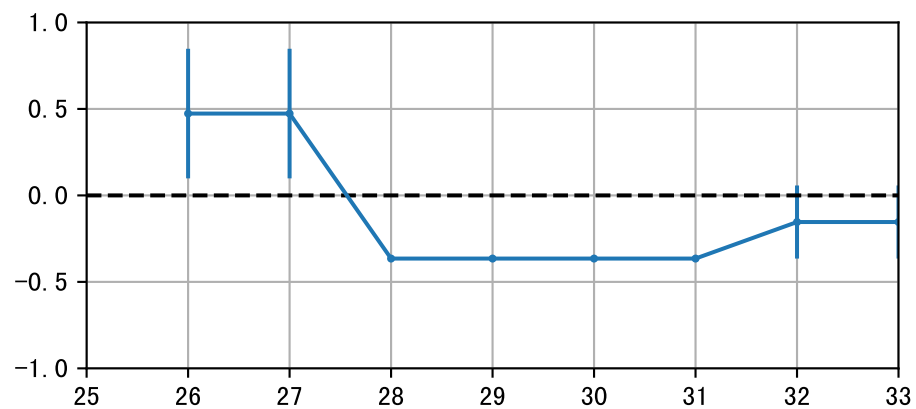
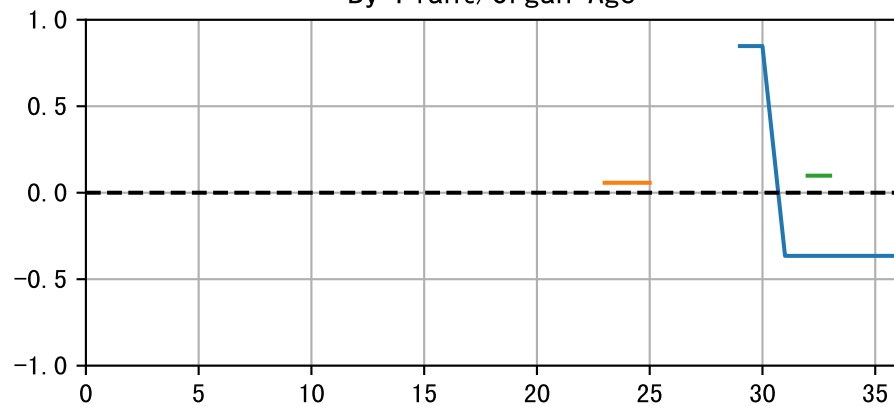
a (Def=0.45 Set=0.68)
avg1=0.68~24% avg2=na



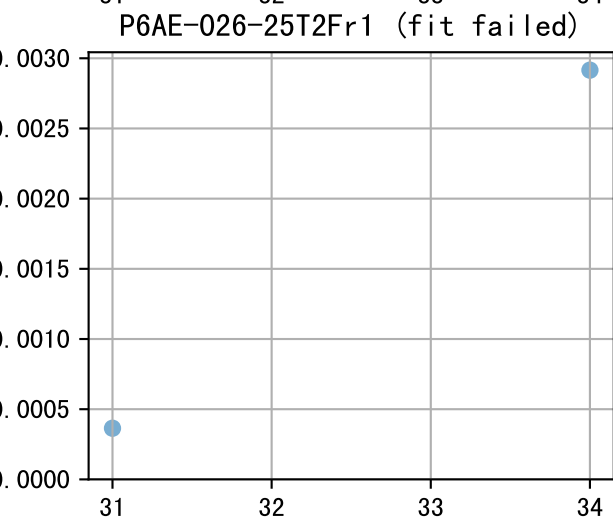
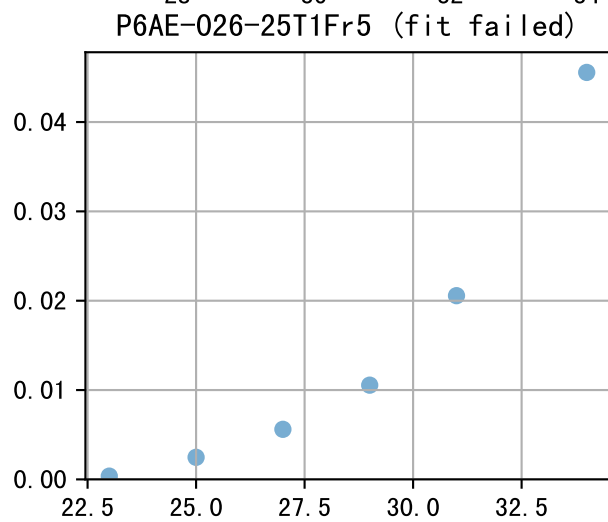
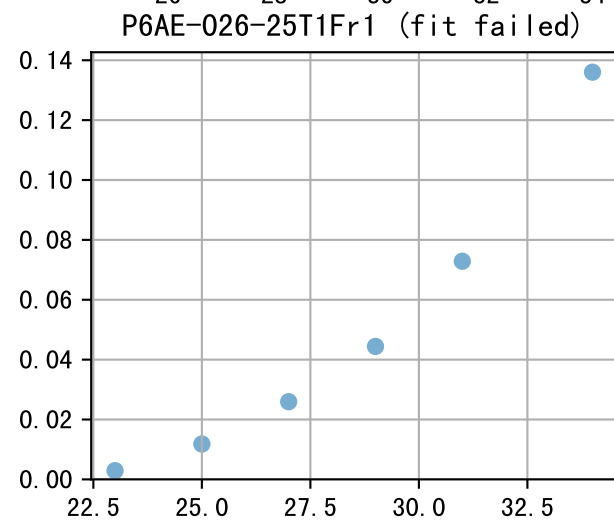
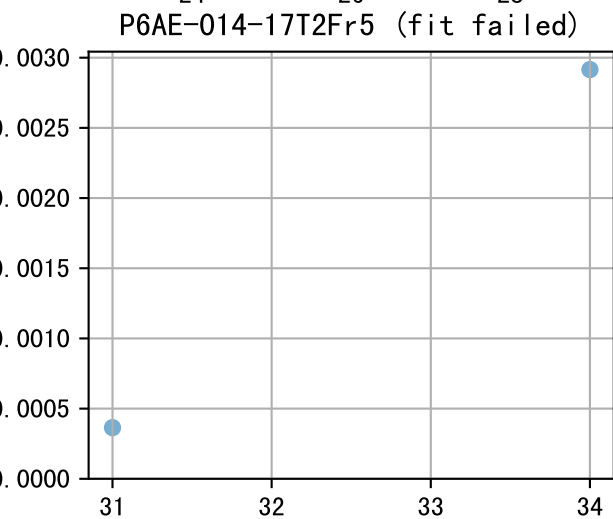
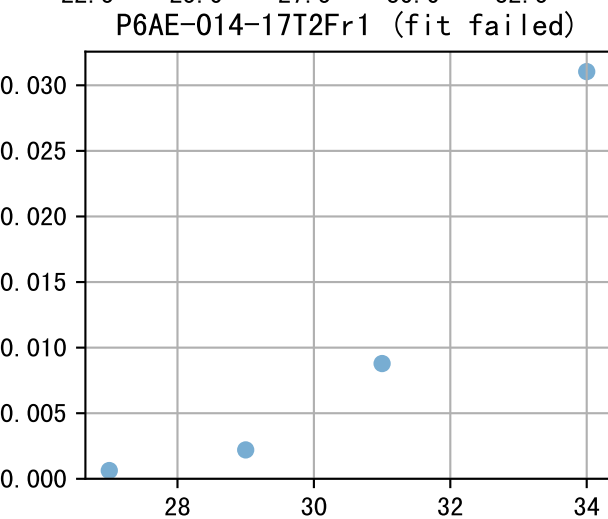
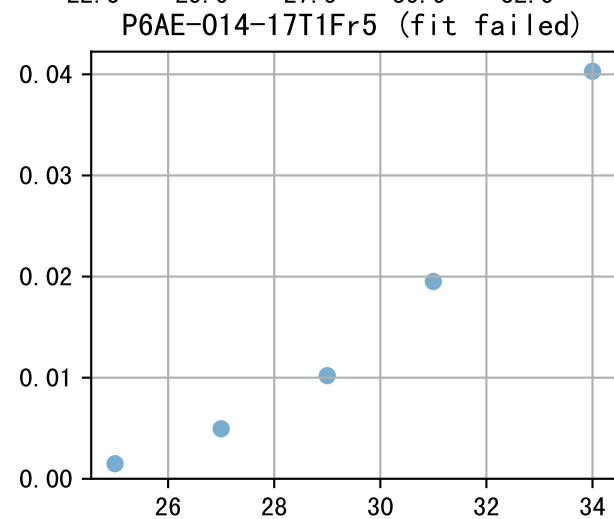
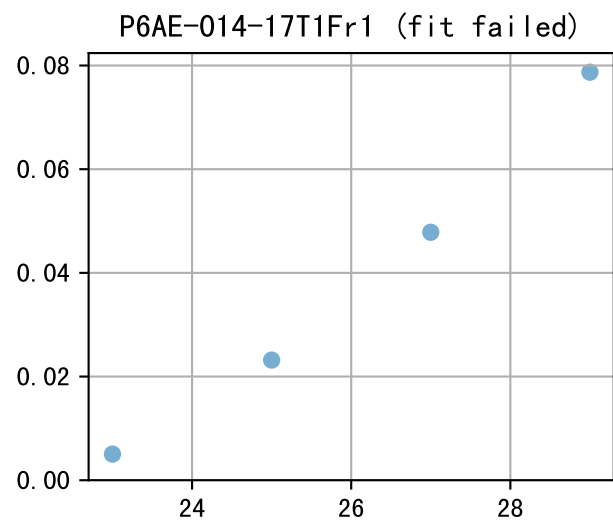
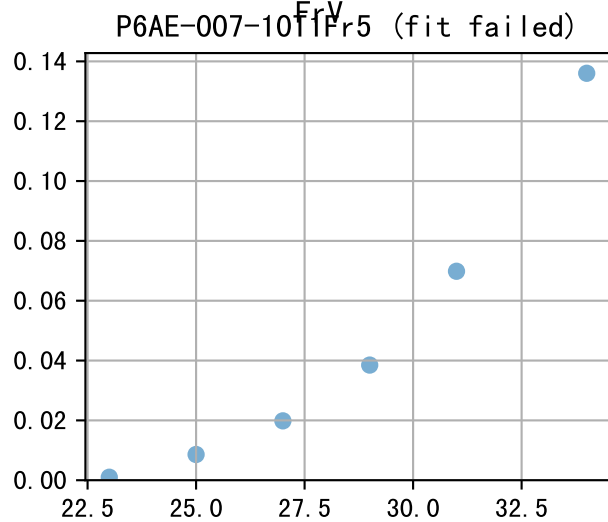
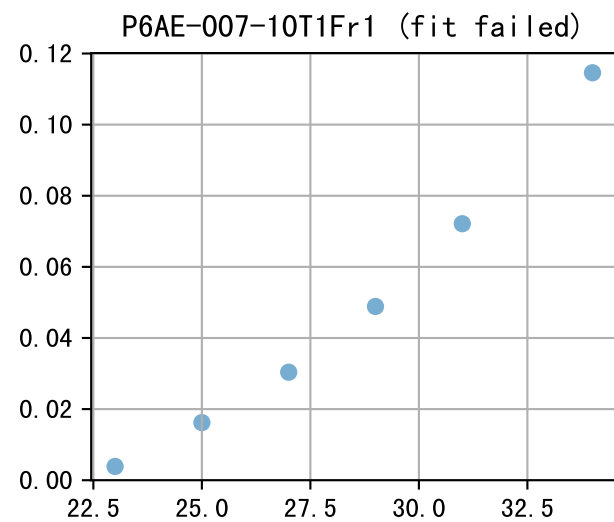
By Start Date



By Plant/Organ Age

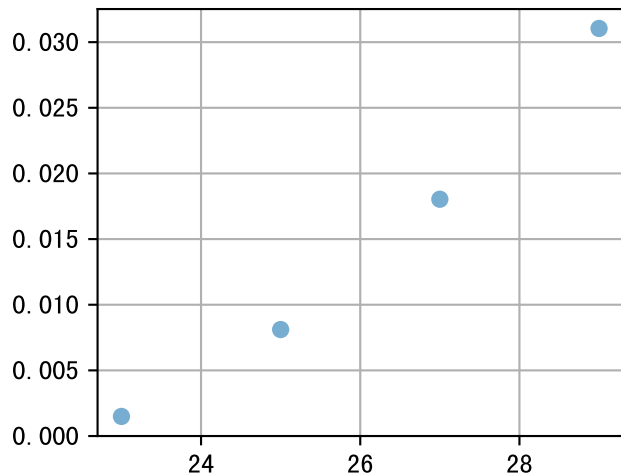


FrV

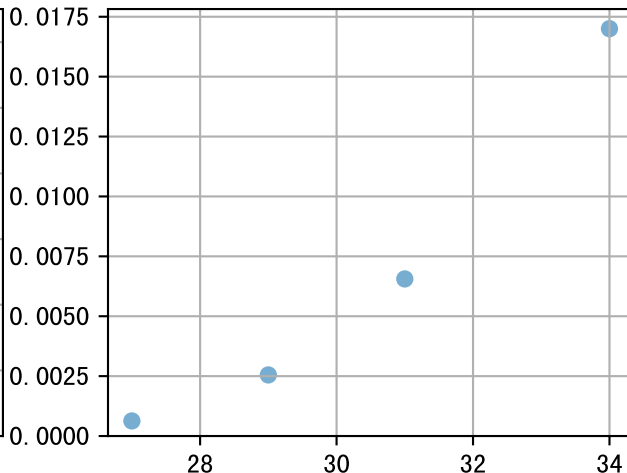


FrV

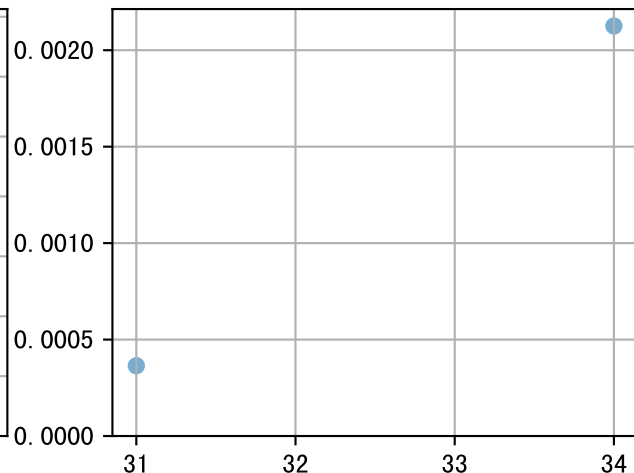
P6AE-033-4T1Fr1 (fit failed)



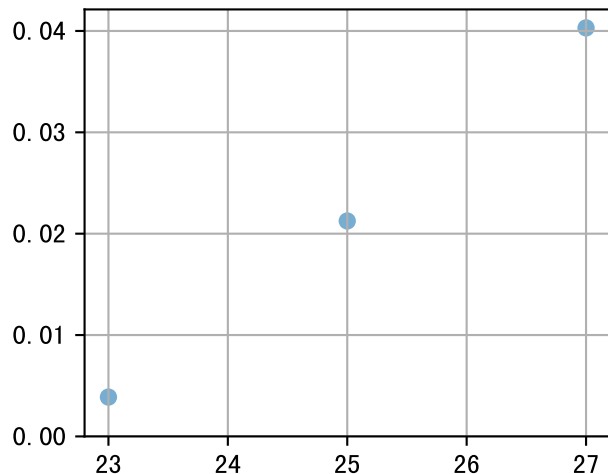
P6AE-033-4T1Fr5 (fit failed)



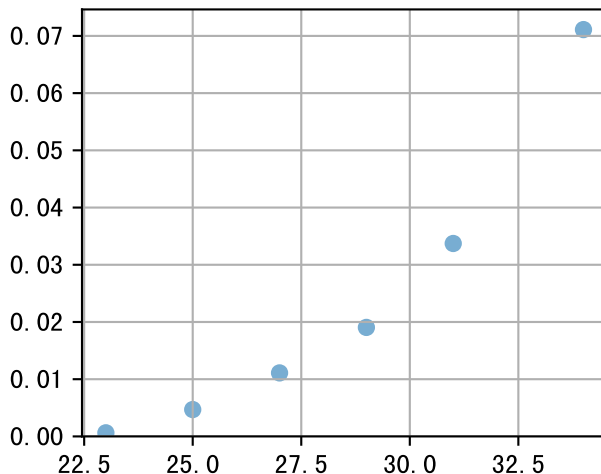
P6AE-033-4T2Fr1 (fit failed)



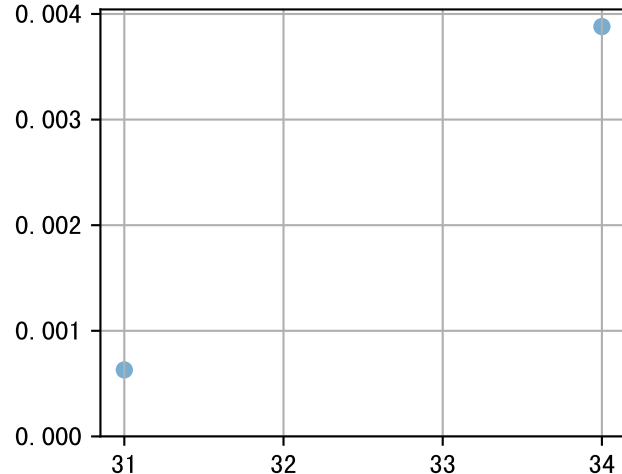
P6AE-045-12T1Fr1 (fit failed)



P6AE-045-12T1Fr5 (fit failed)

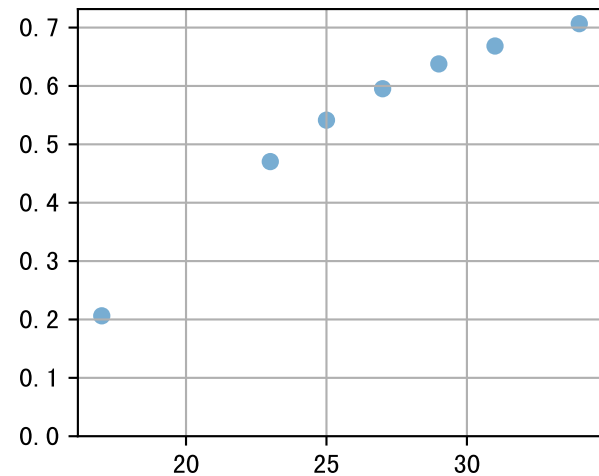


P6AE-045-12T2Fr1 (fit failed)

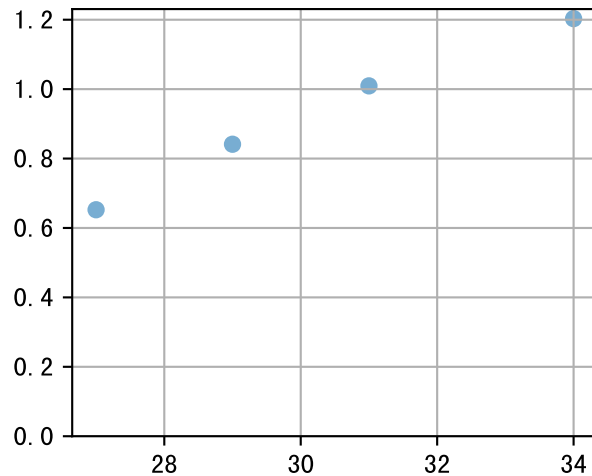


lfa

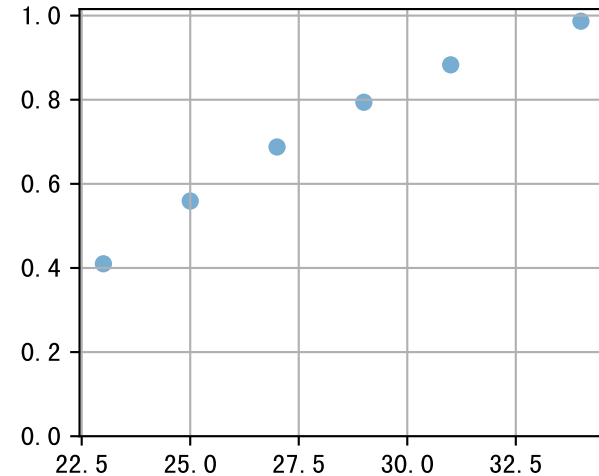
P6AE-007-10L6 (fit failed)



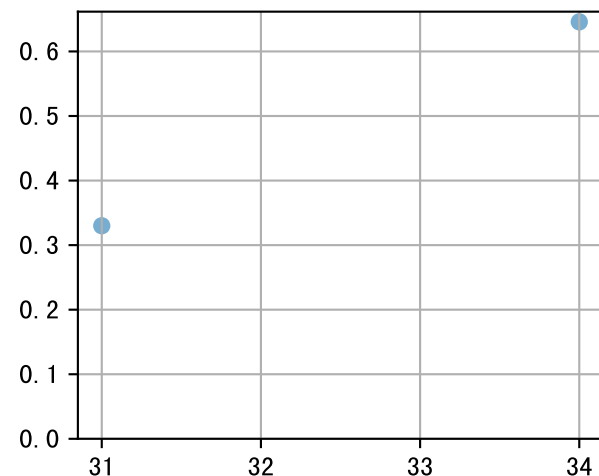
P6AE-007-10L9 (fit failed)



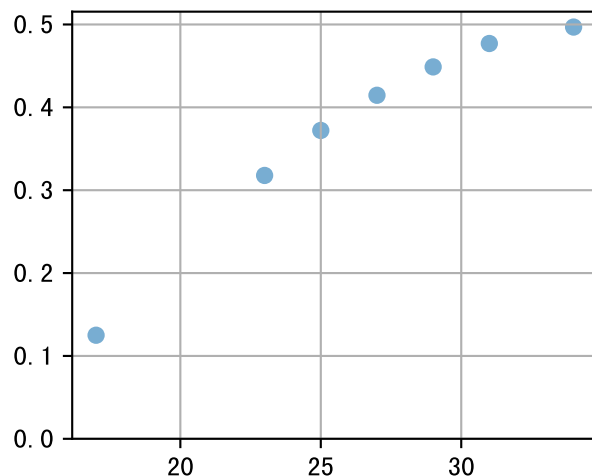
P6AE-014-17L11 (fit failed)



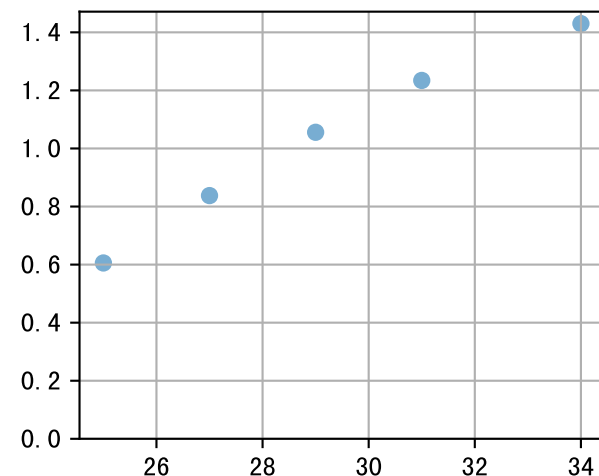
P6AE-014-17L14 (fit failed)



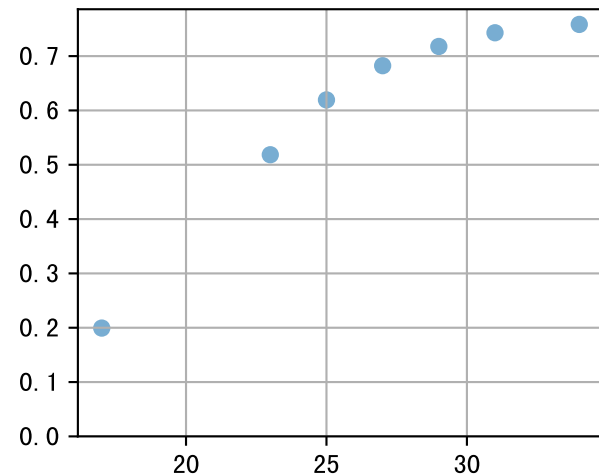
P6AE-014-17L8 (fit failed)



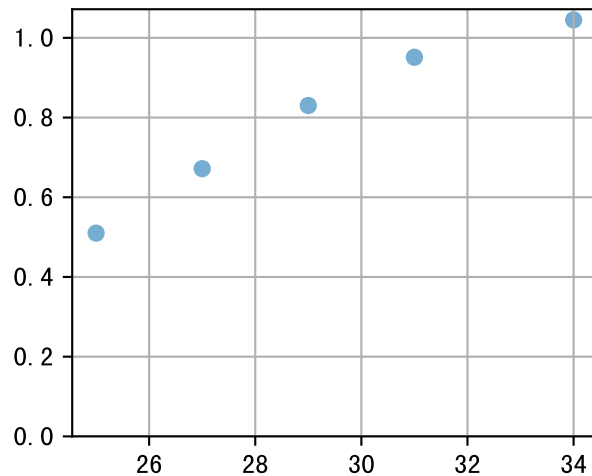
P6AE-026-25L10 (fit failed)



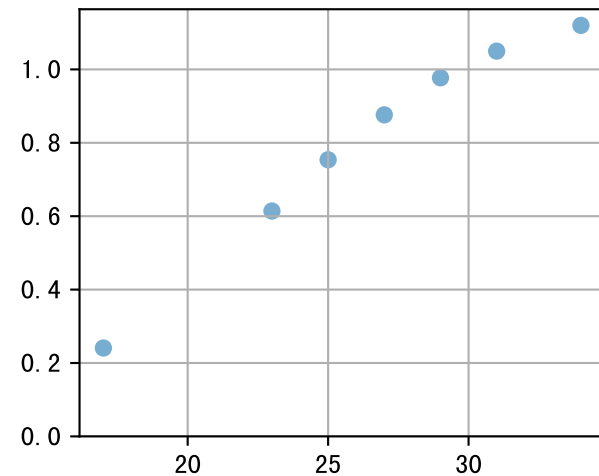
P6AE-026-25L7 (fit failed)



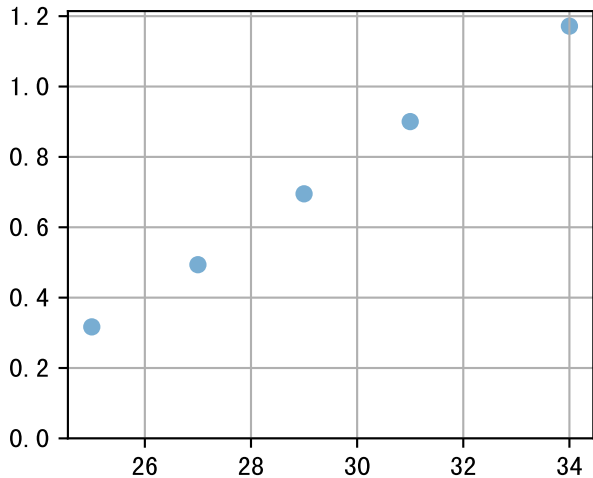
P6AE-033-4L10 (fit failed)



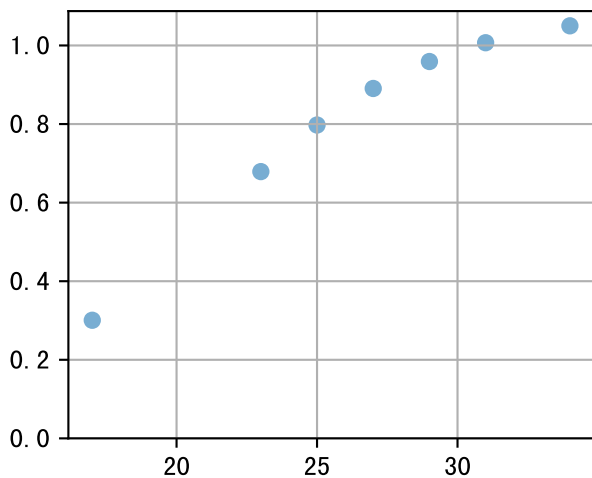
P6AE-033-4L8 (fit failed)

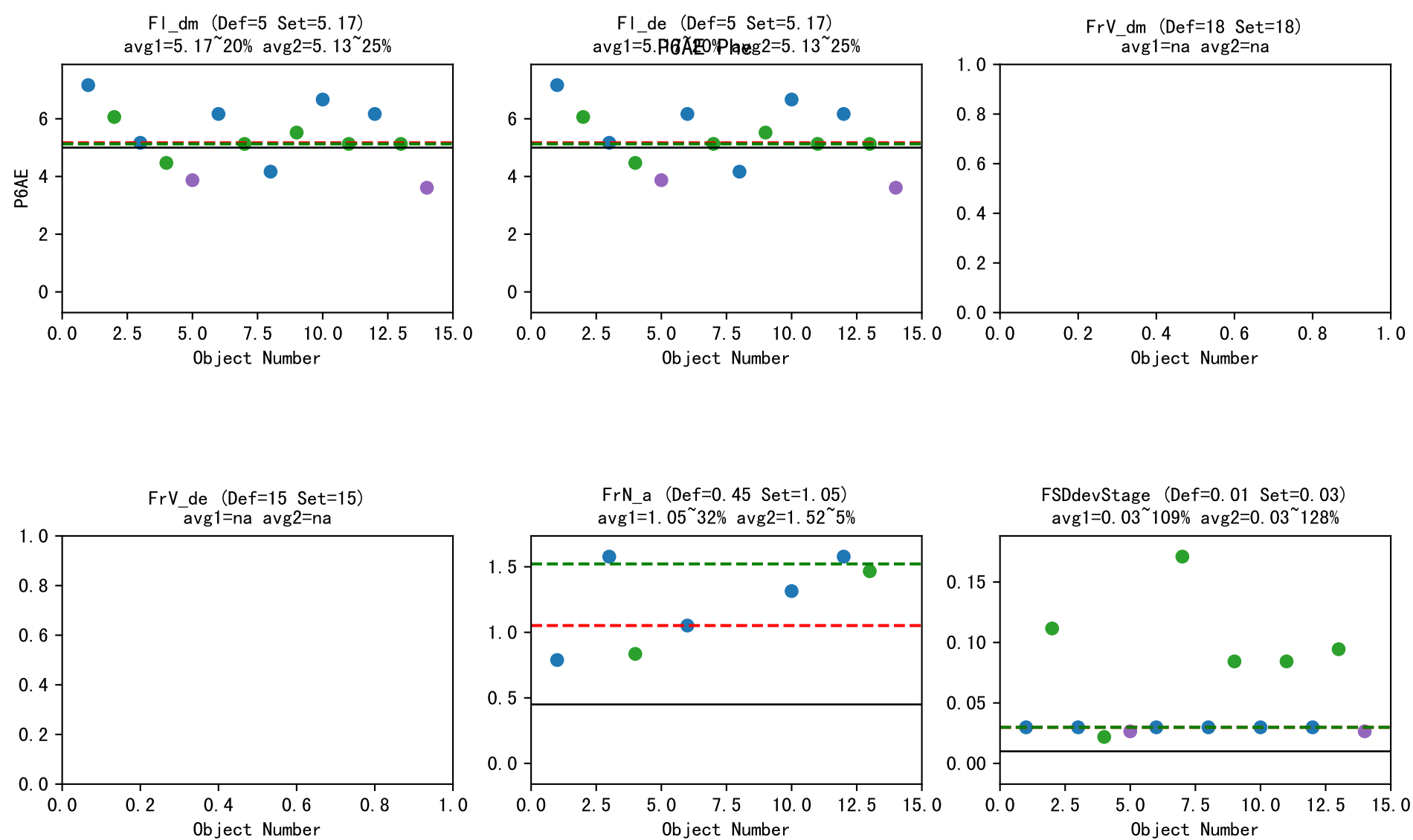


P6AE-045-12L10 (fit failed)

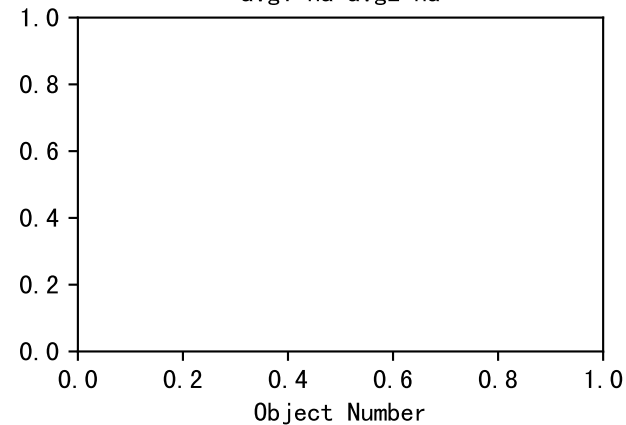


P6AE-045-12L7 (fit failed)

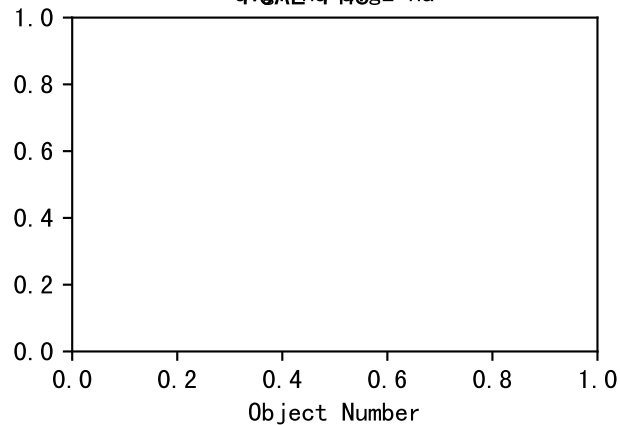




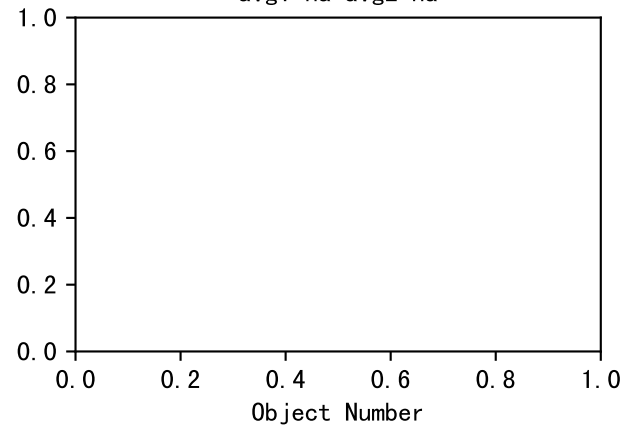
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



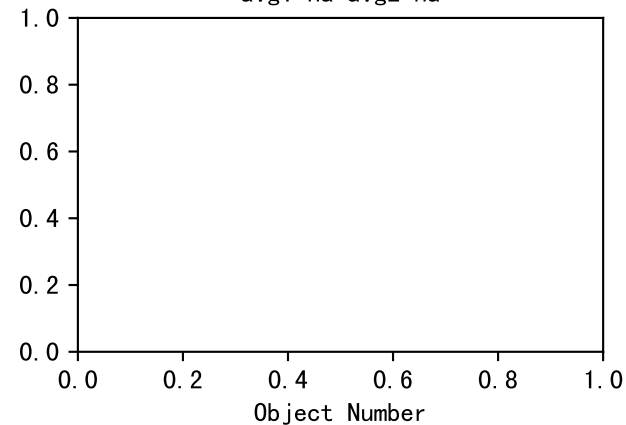
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



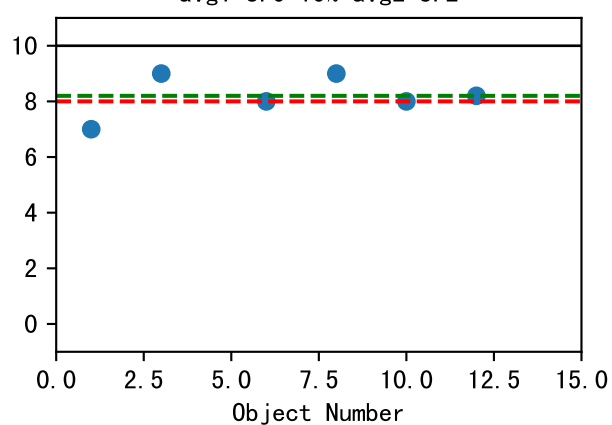
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

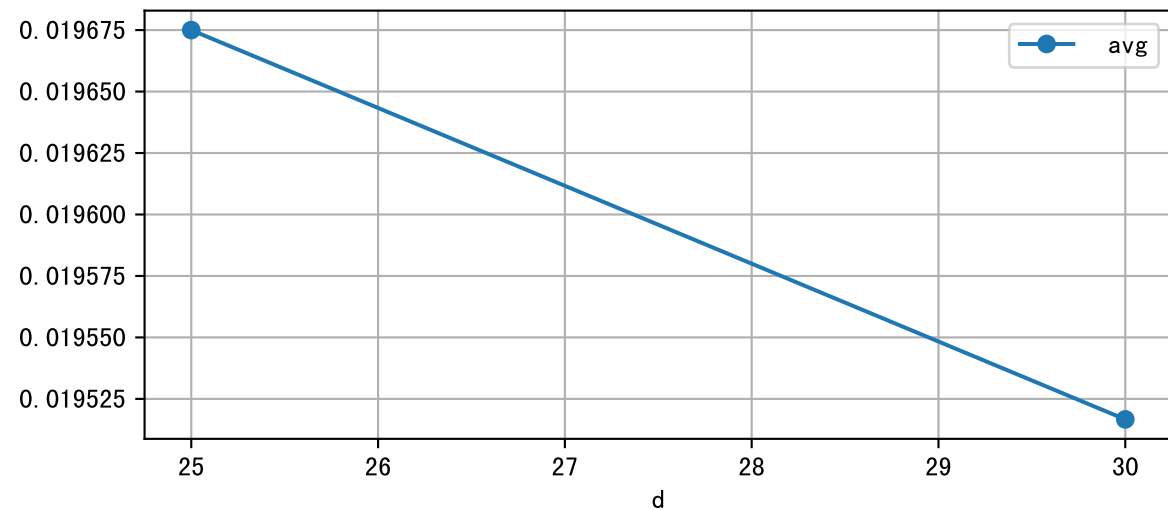


NNgen (Def=10 Set=8)
avg1=8.0~10% avg2=8.2

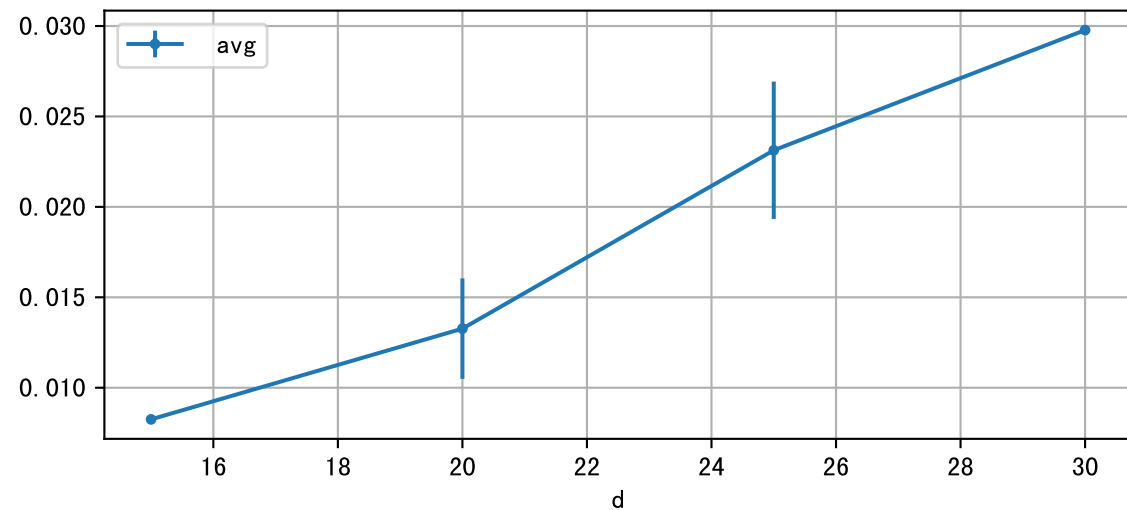


LfA: avg vs. d at each age group

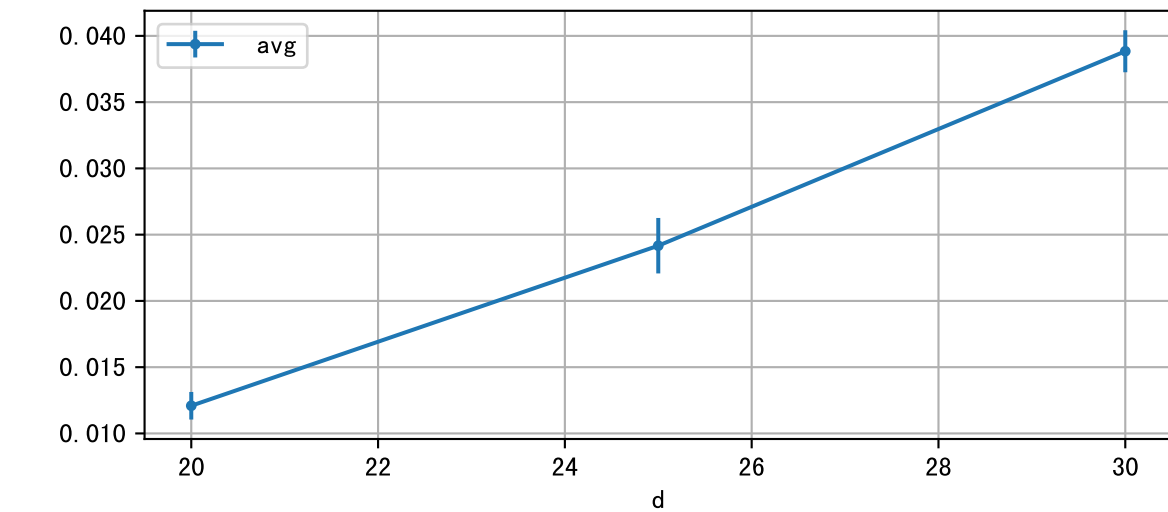
age=15



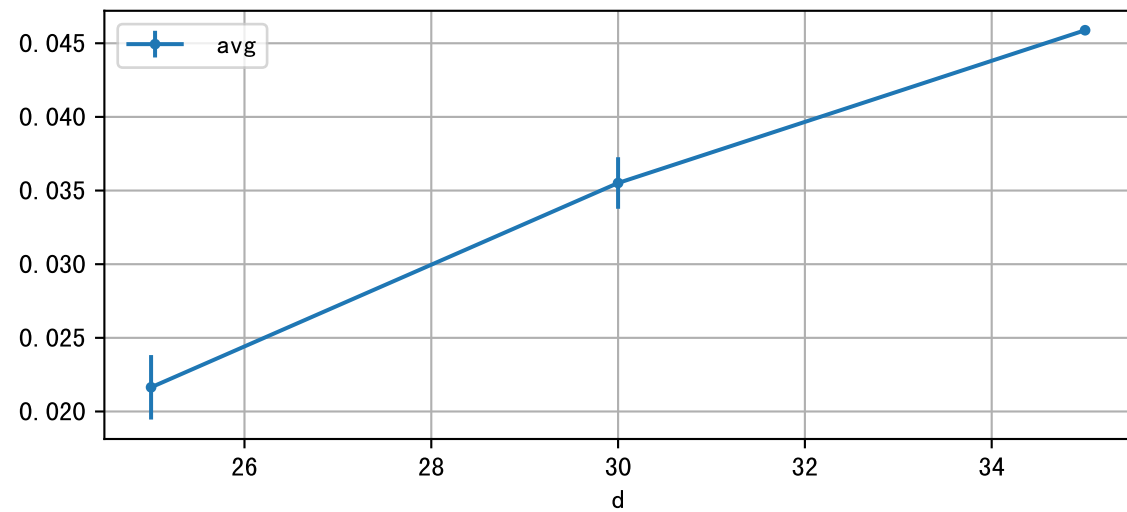
age=20



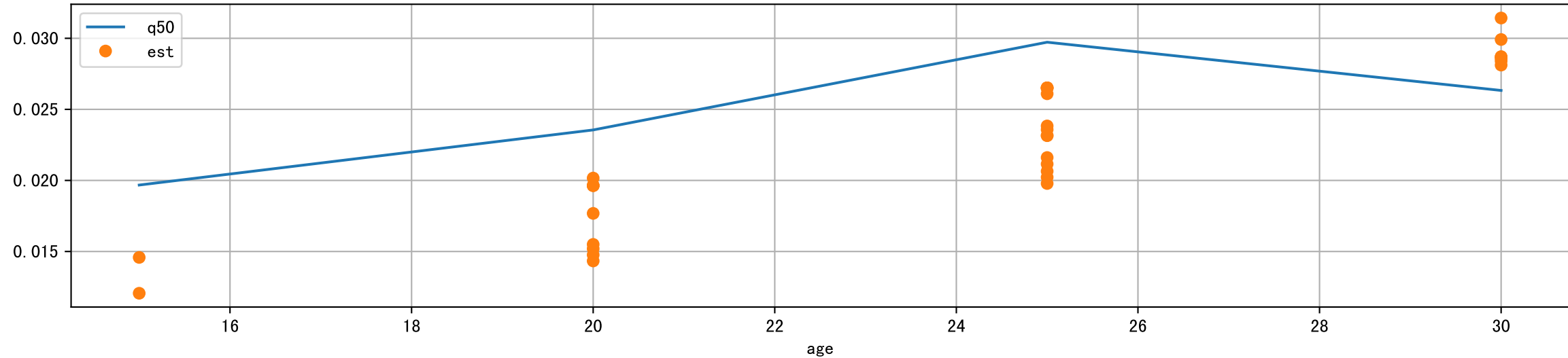
age=25



age=30

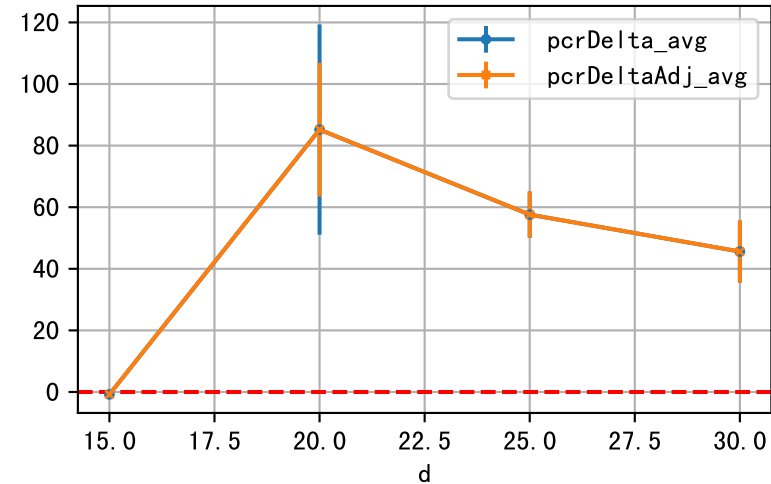


LfA: model est vs obs0v@Q50

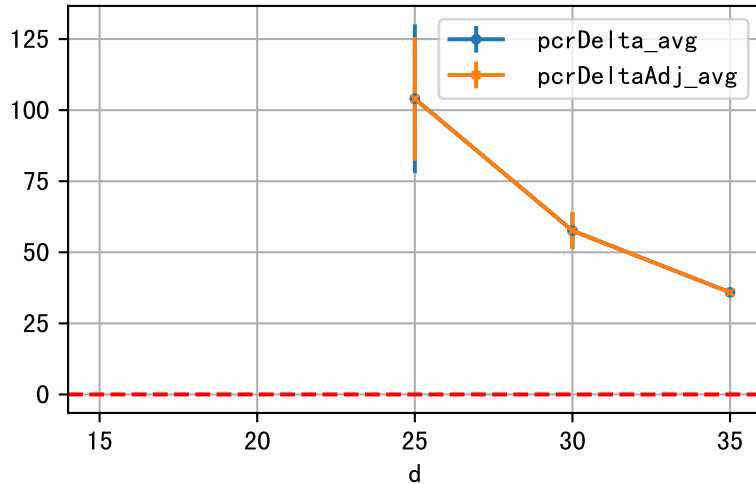


P6AE LfA: D_5d_LfA

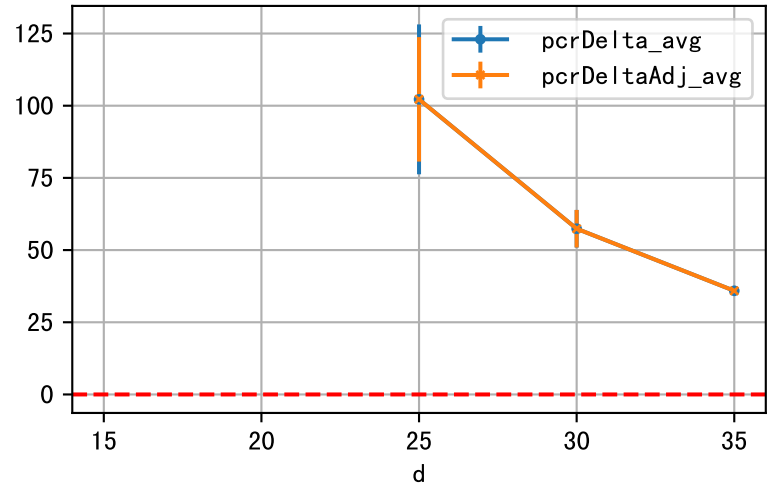
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

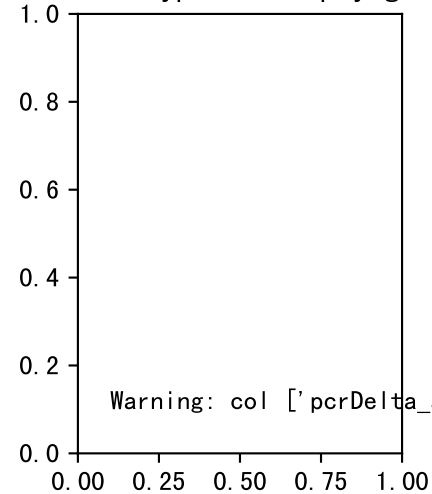


DeltaTypeAbbr=Wei AvgByD

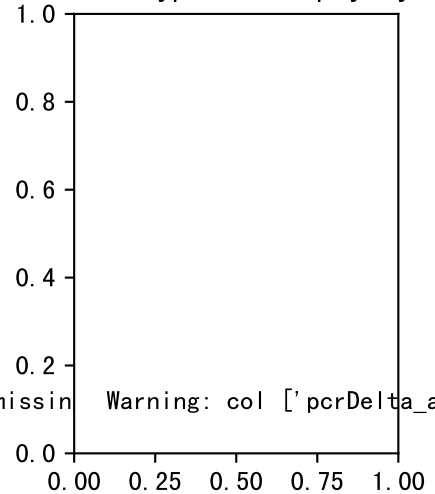


P6AE LfA: D_15d_LfA

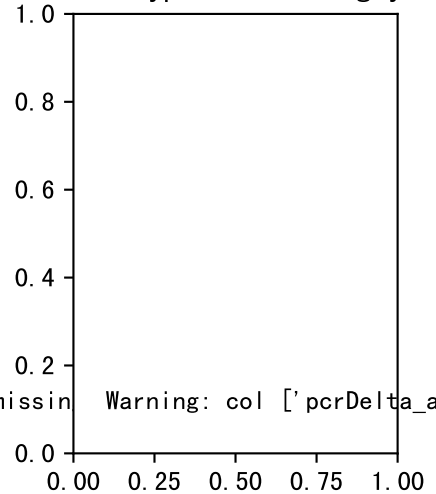
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

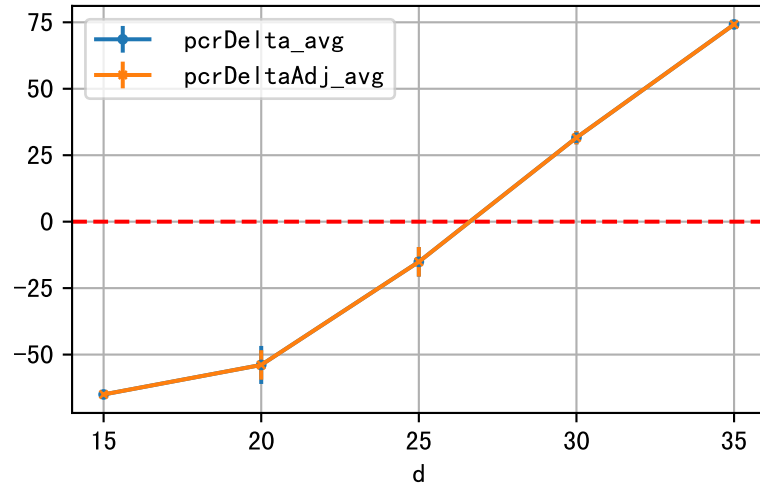


DeltaTypeAbbr=WeiAvgByD

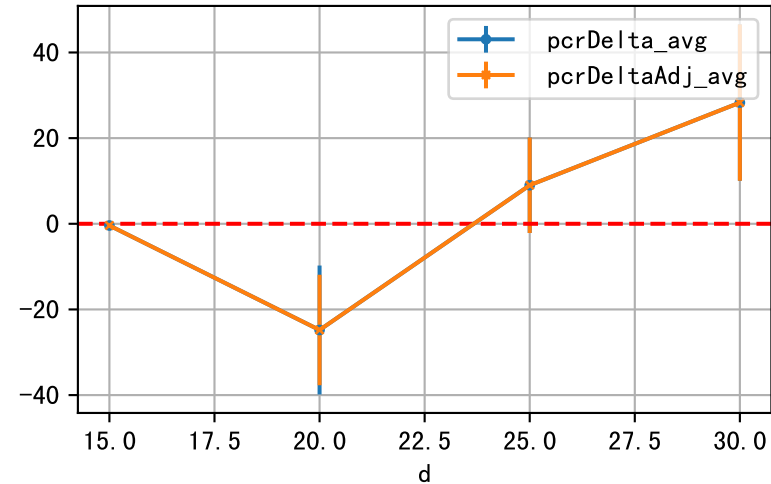


P6AE LfA: D_Q50_LfA

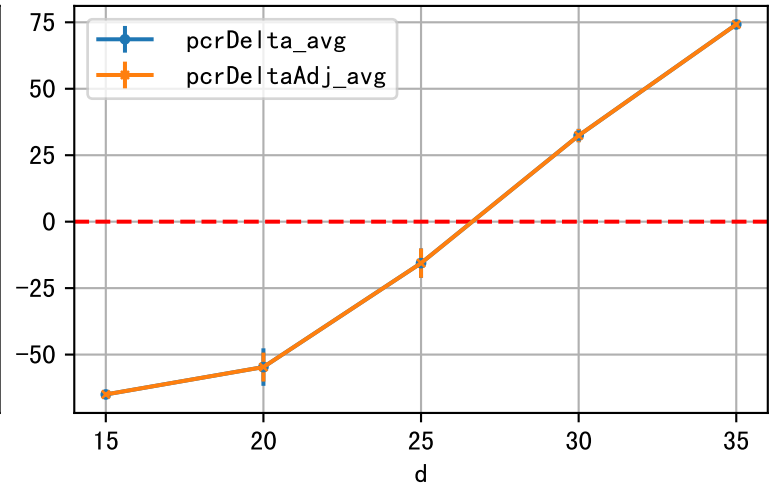
DeltaTypeAbbr=GrpByDay



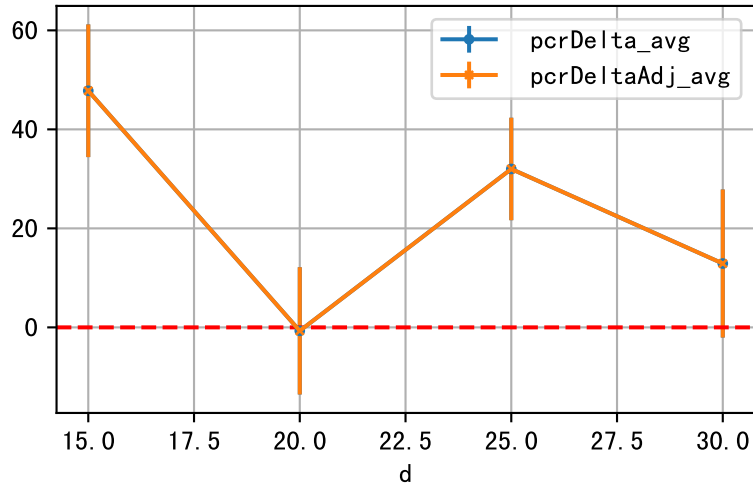
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=WeiAvgByD

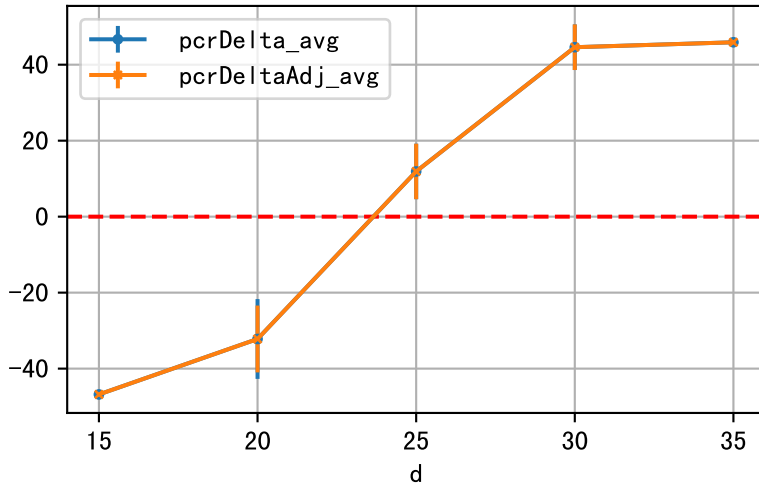


DeltaTypeAbbr=GrpByAge

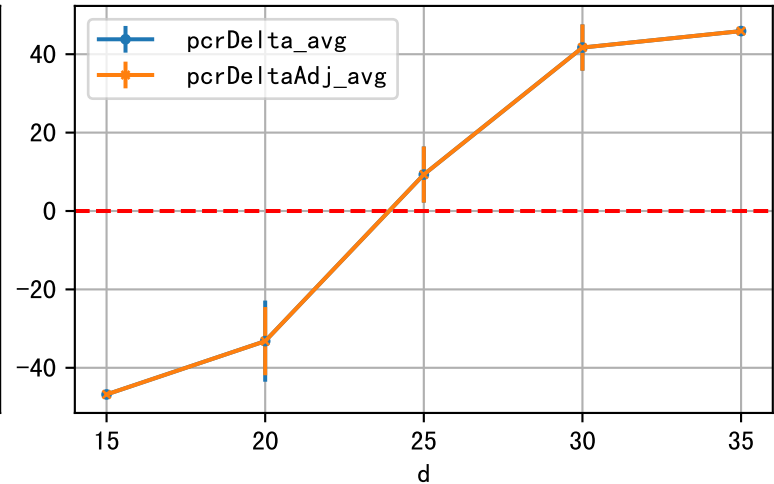


P6AE LfA: D_Est_LfA

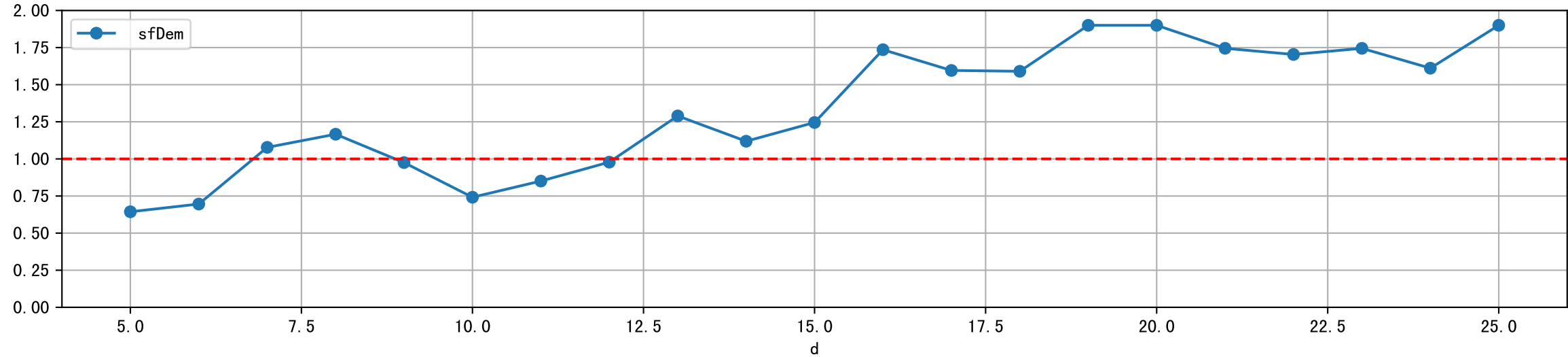
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD



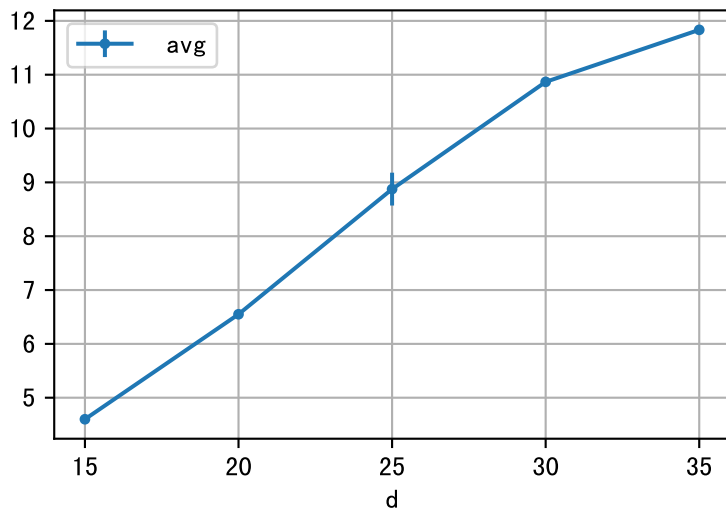
LfA: sfDem



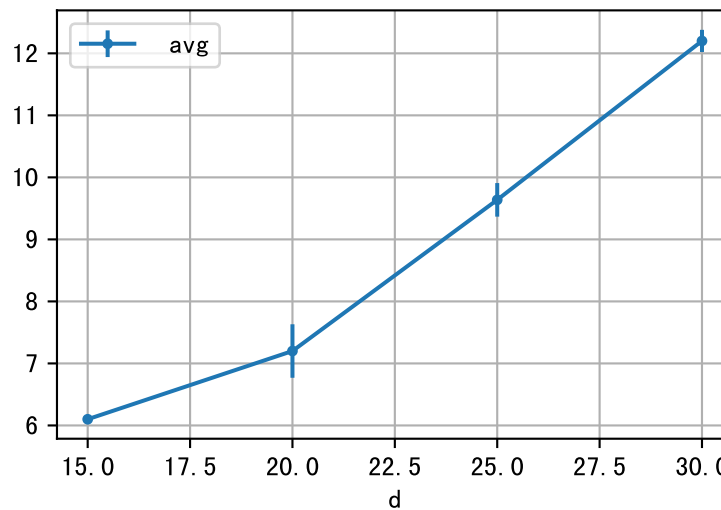


NdD: avg vs. d at each age group

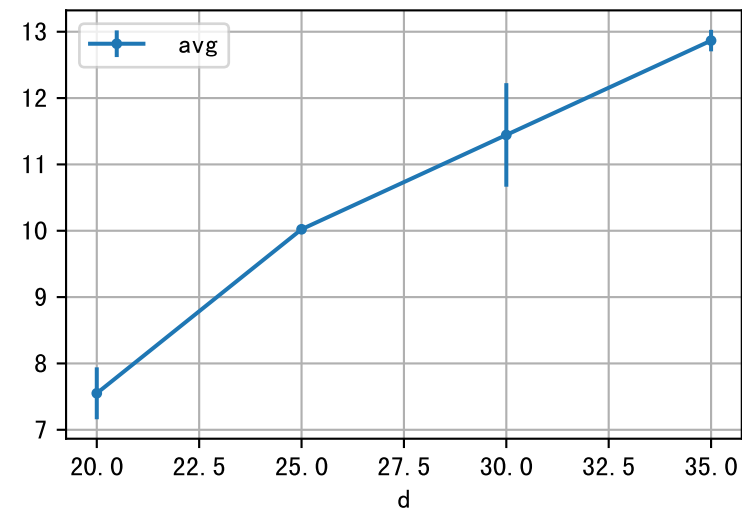
age=15



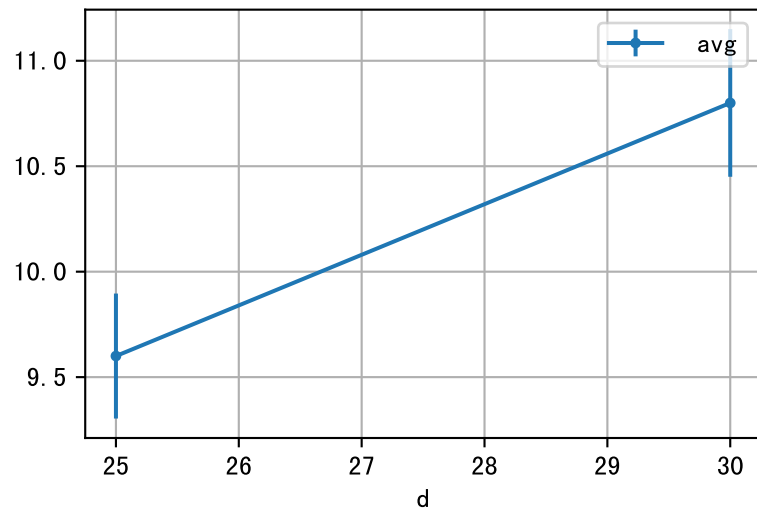
age=20



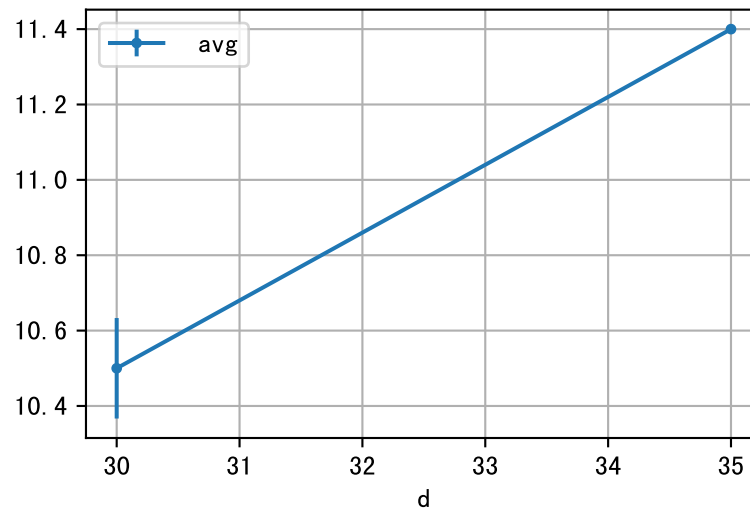
age=25



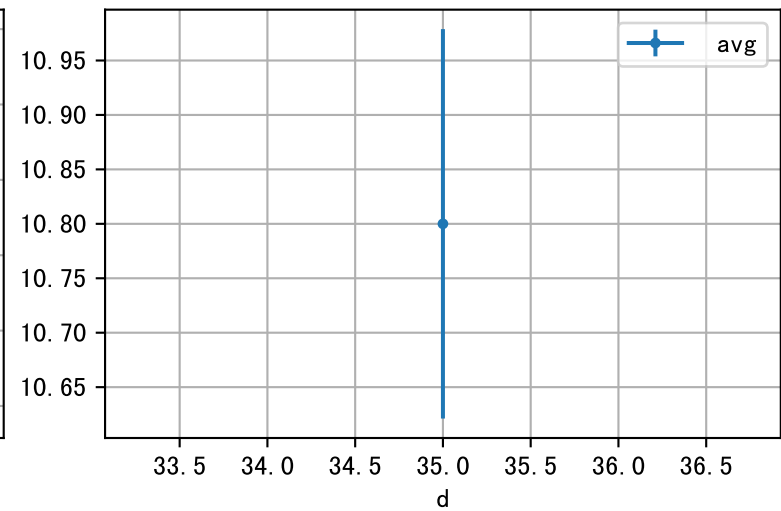
age=30



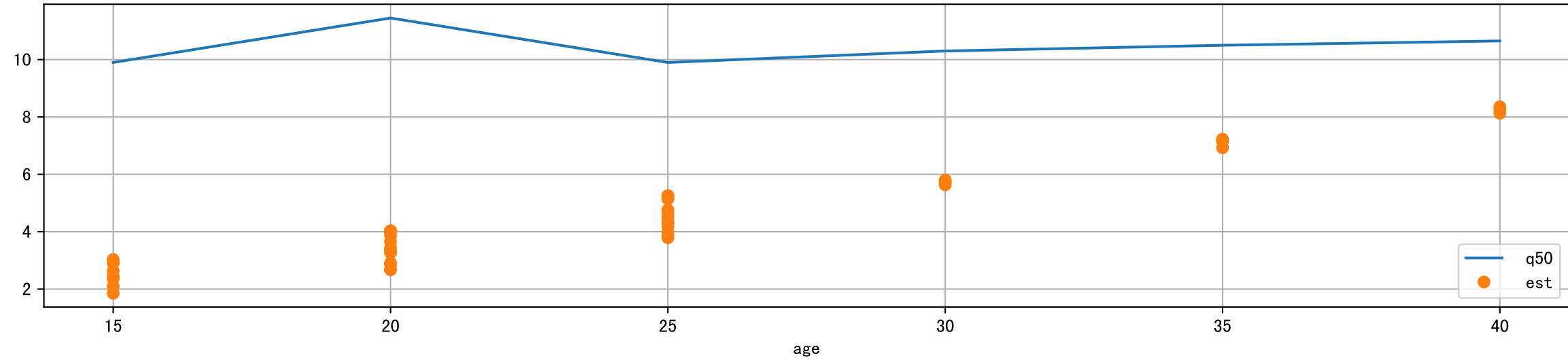
age=35



age=40

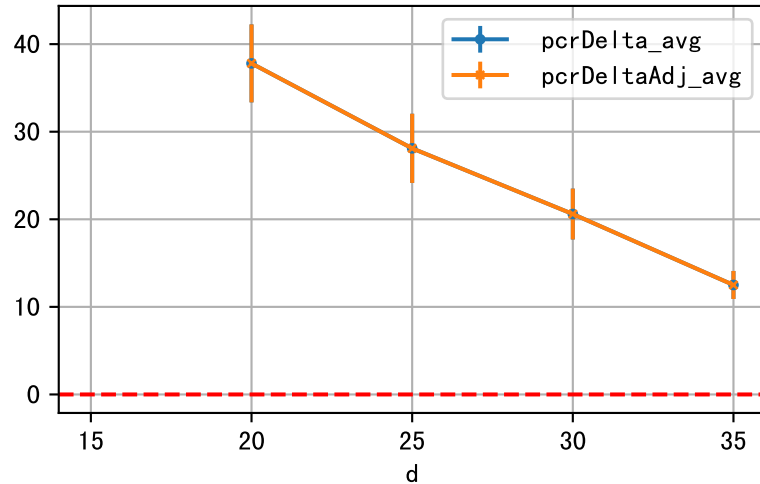


NdD: model est vs obs0v@Q50

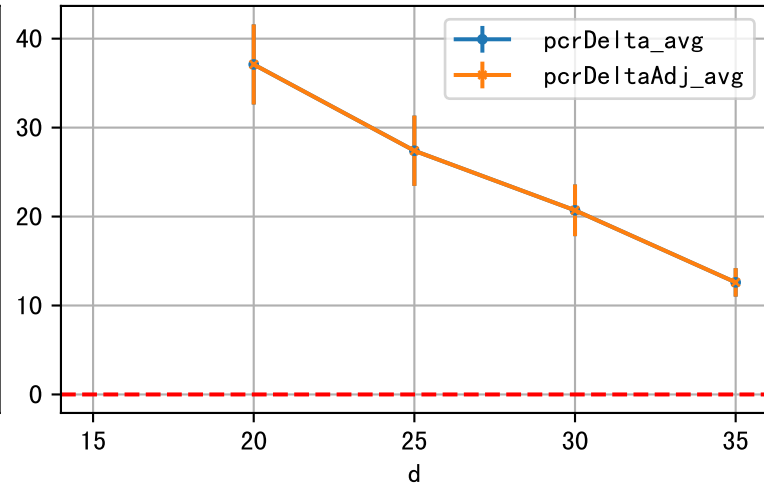


P6AE NdD: D_5d_NdD

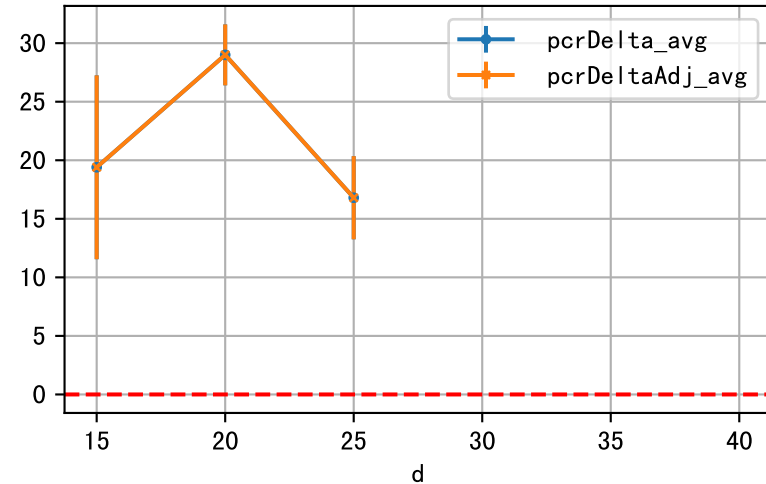
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

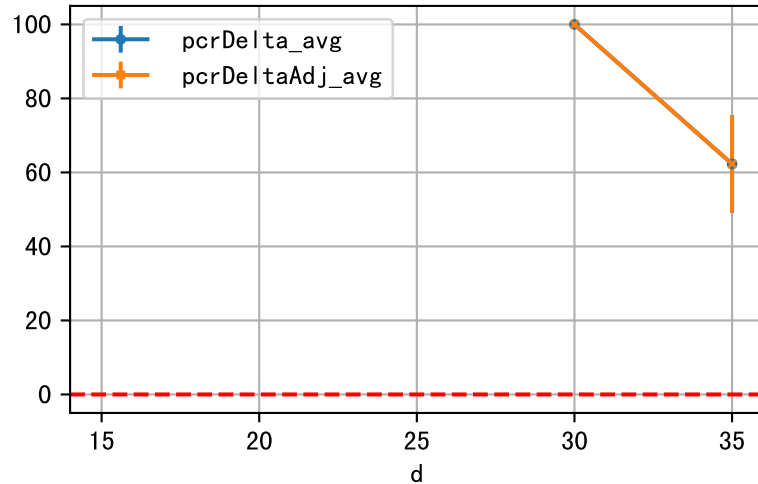


DeltaTypeAbbr=GrpByAge

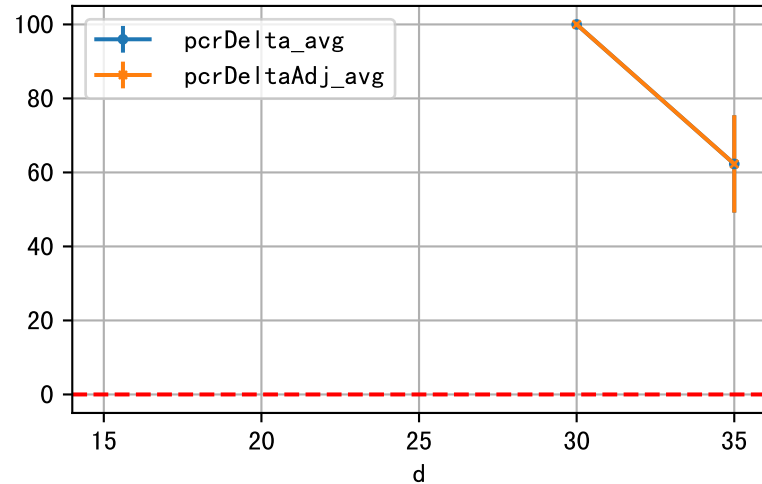


P6AE NdD: D_15d_NdD

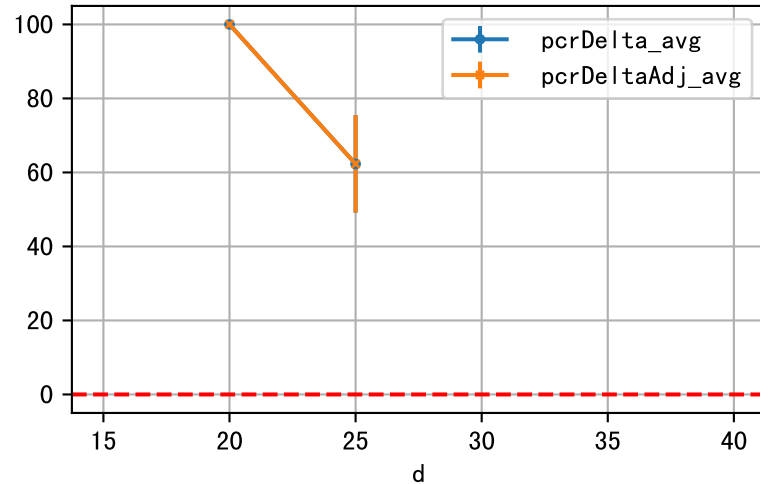
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

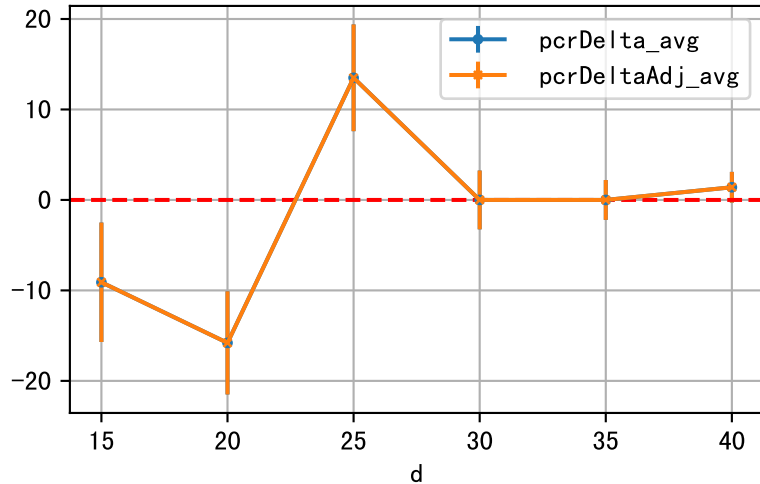


DeltaTypeAbbr=GrpByAge

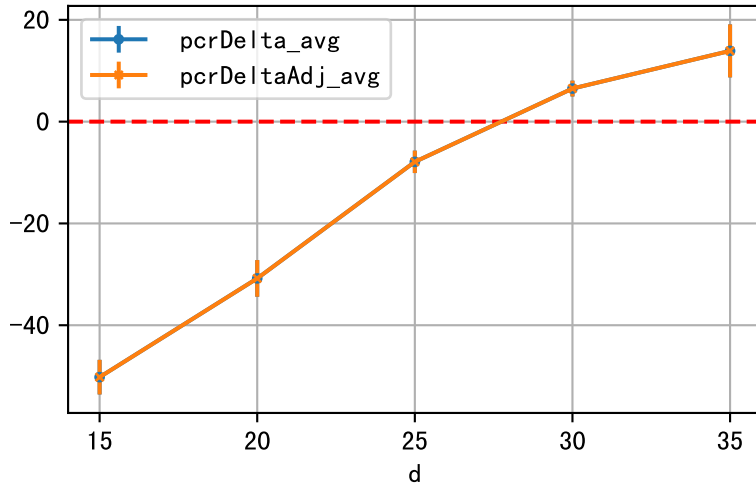


P6AE NdD: D_Q50_NdD

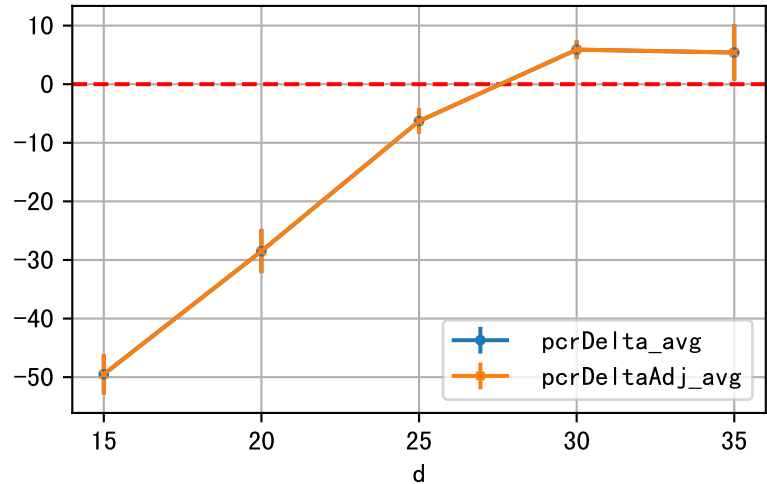
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

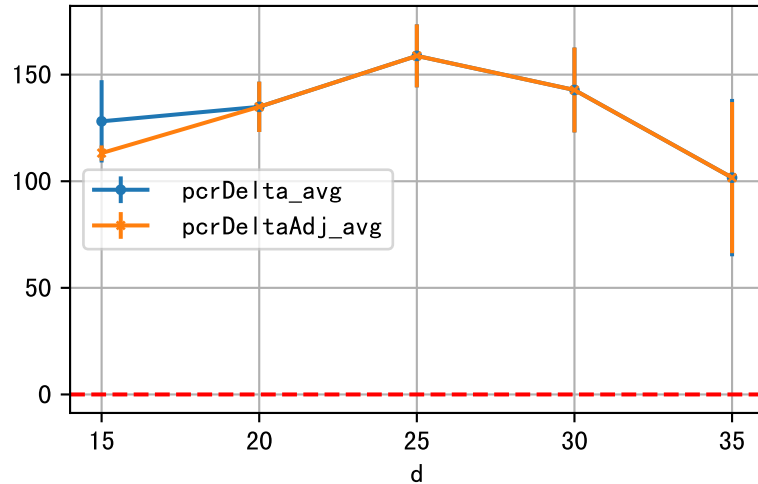


DeltaTypeAbbr=Wei AvgByD

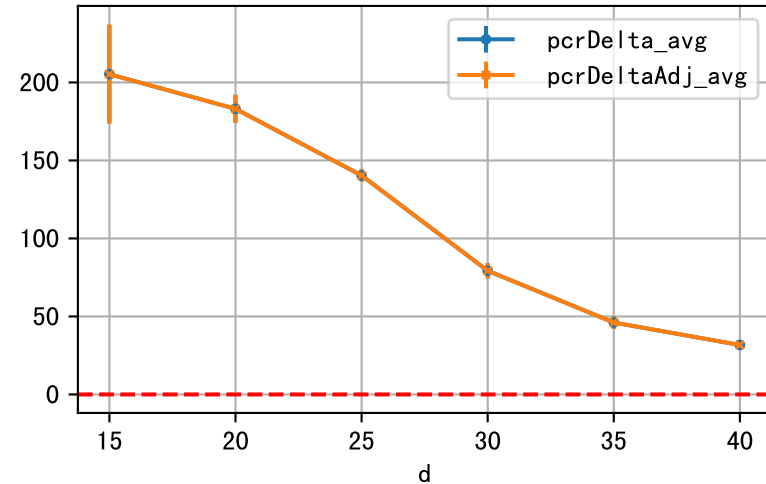


P6AE NdD: D_Est_NdD

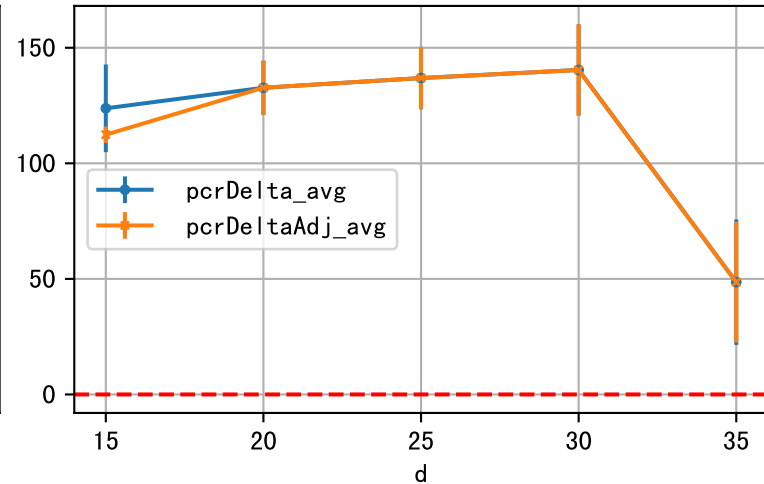
DeltaTypeAbbr=GrpByDay



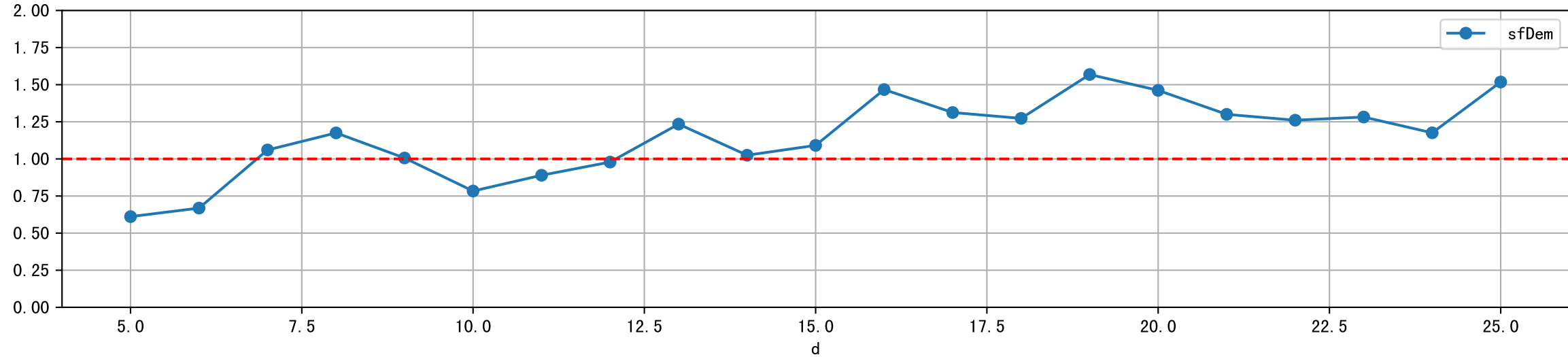
DeltaTypeAbbr=GrpByAge

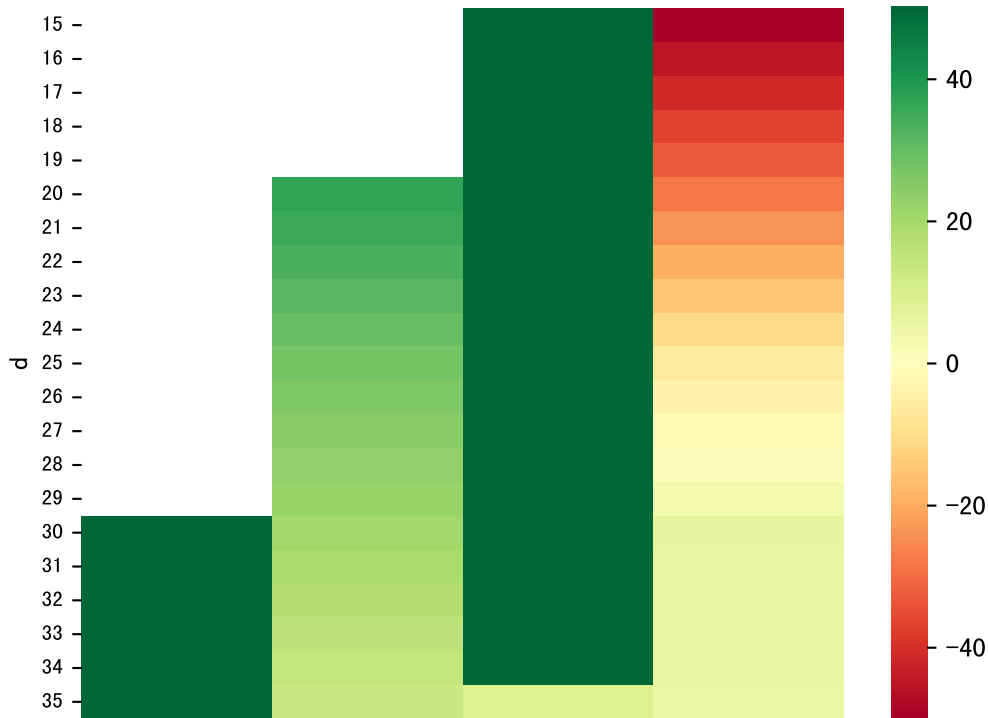


DeltaTypeAbbr=Wei AvgByD

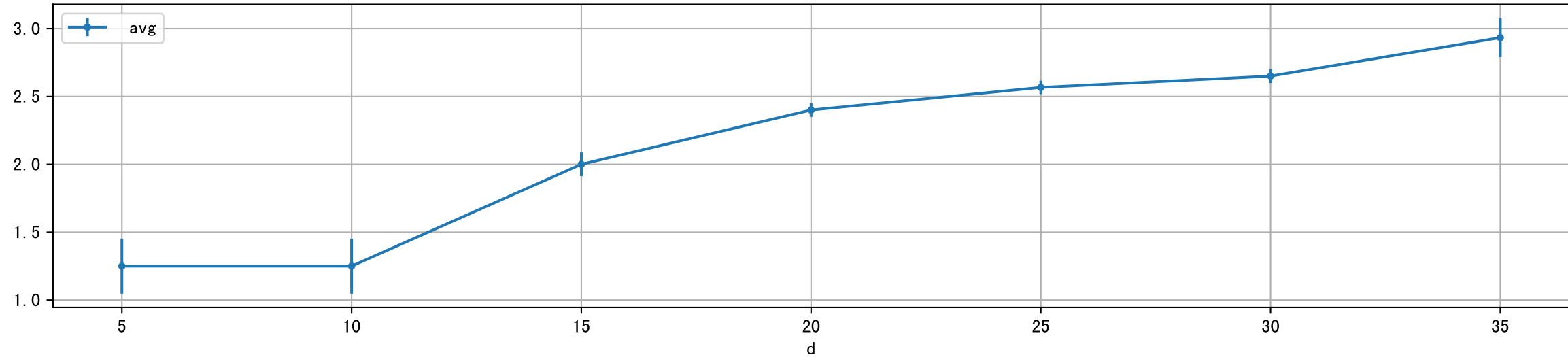


NdD: sfDem

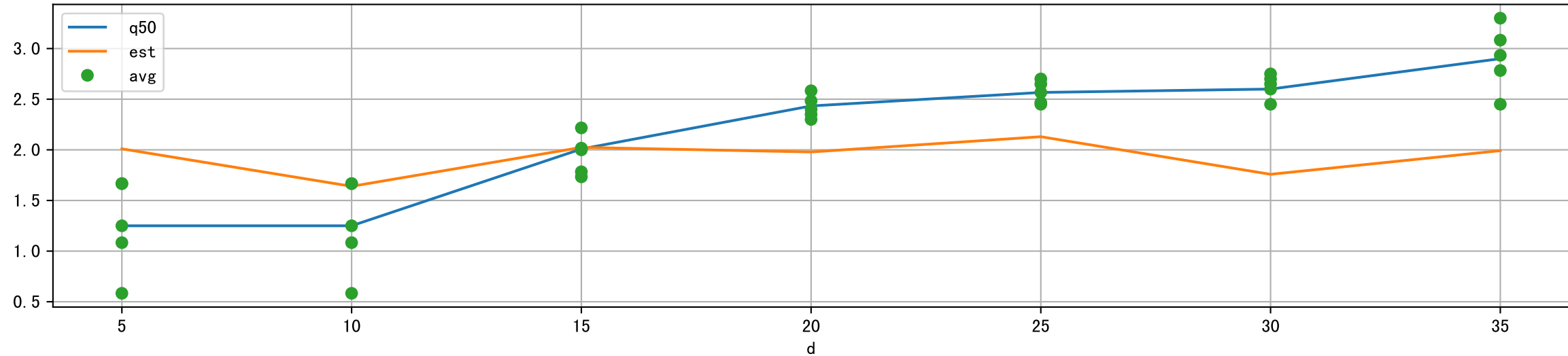




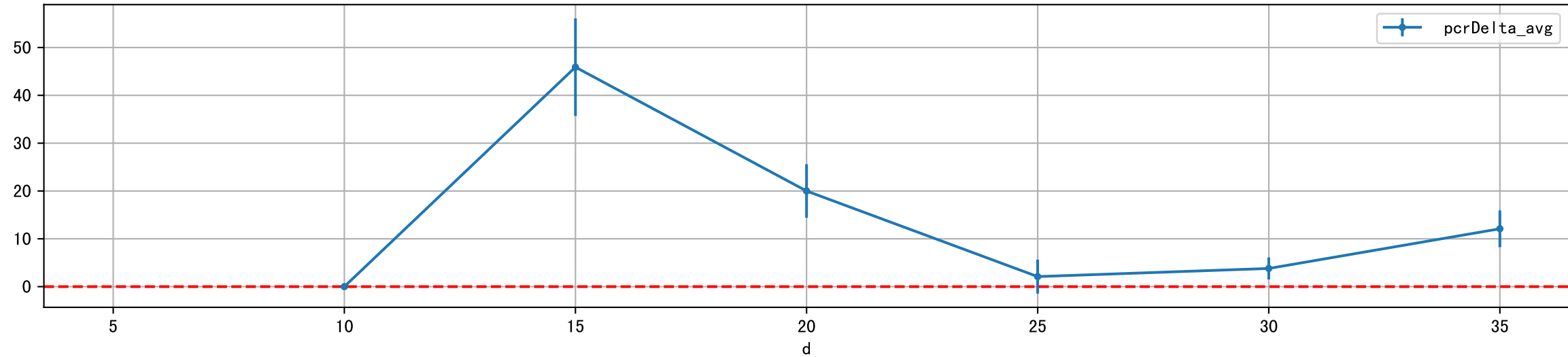
dStH: avg vs. d



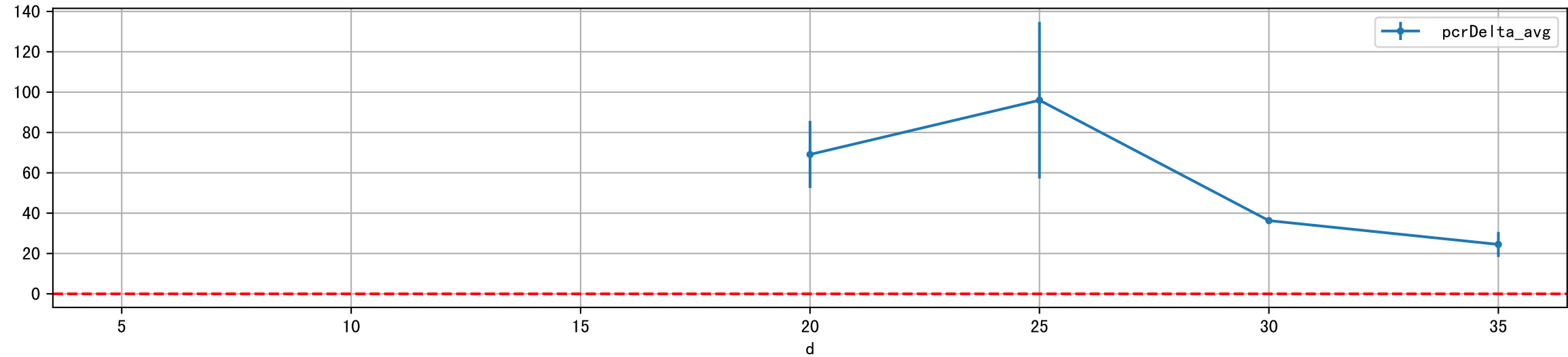
dStH: obsAvg vs obs0v@Q50



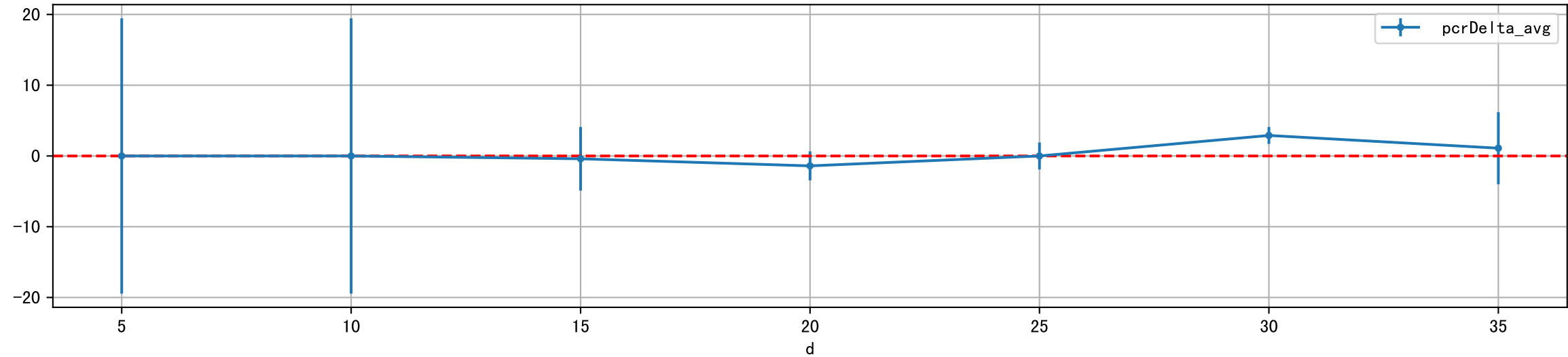
dStH: D_5d_StH



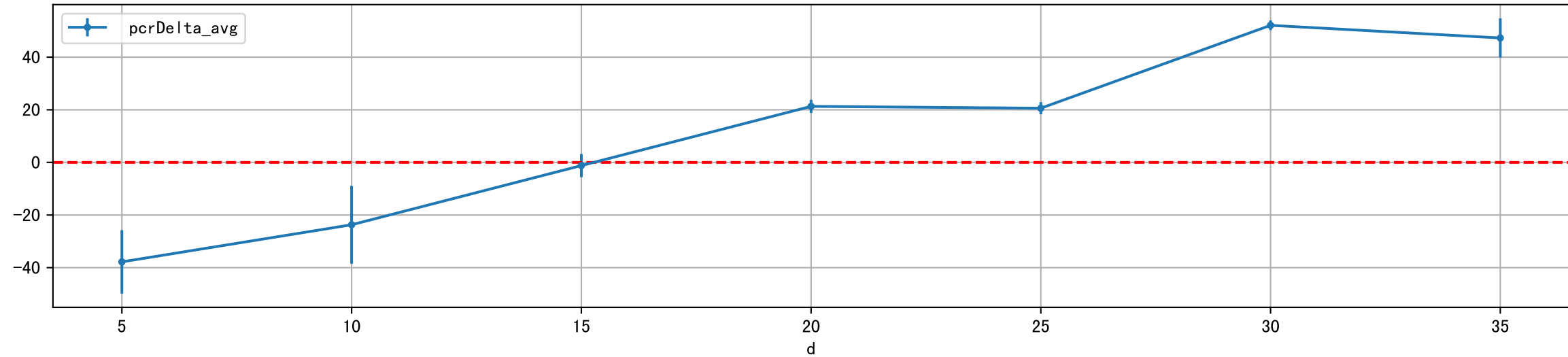
dStH: D_15d_StH



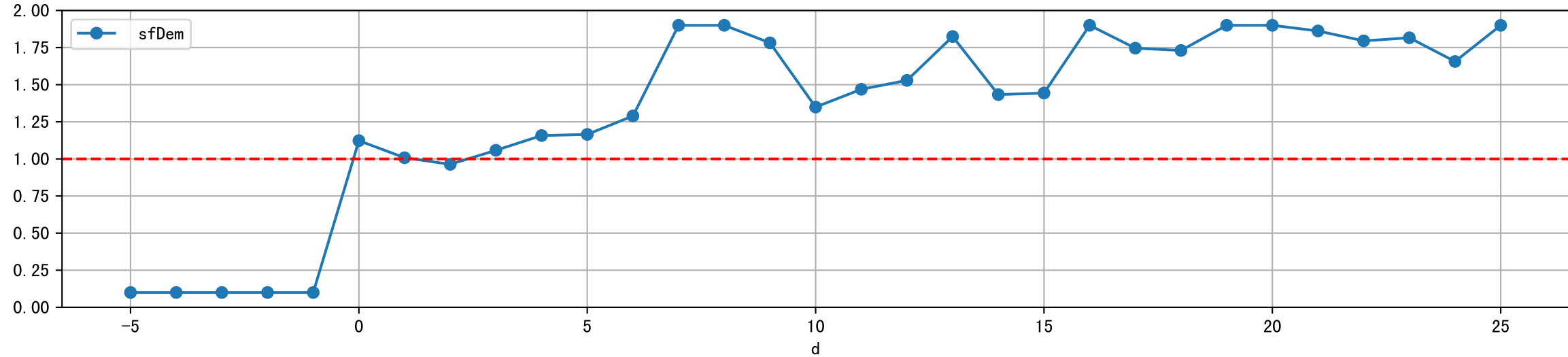
dStH: D_Q50_StH



dStH: D_Est_StH

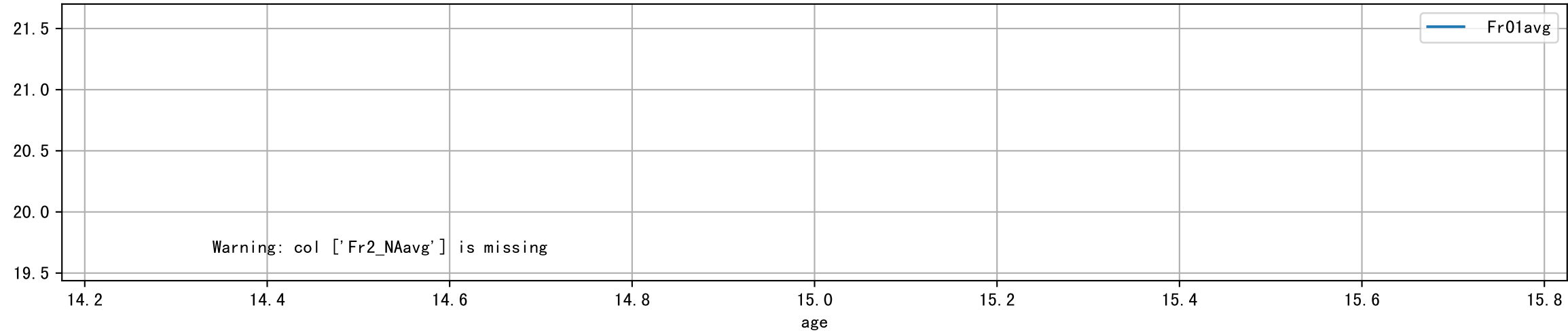


dStH: sfDem

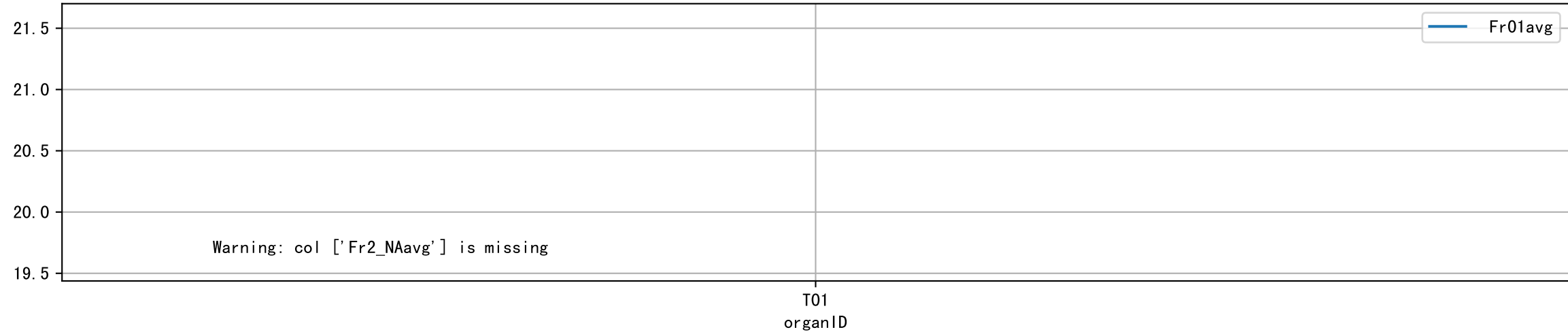




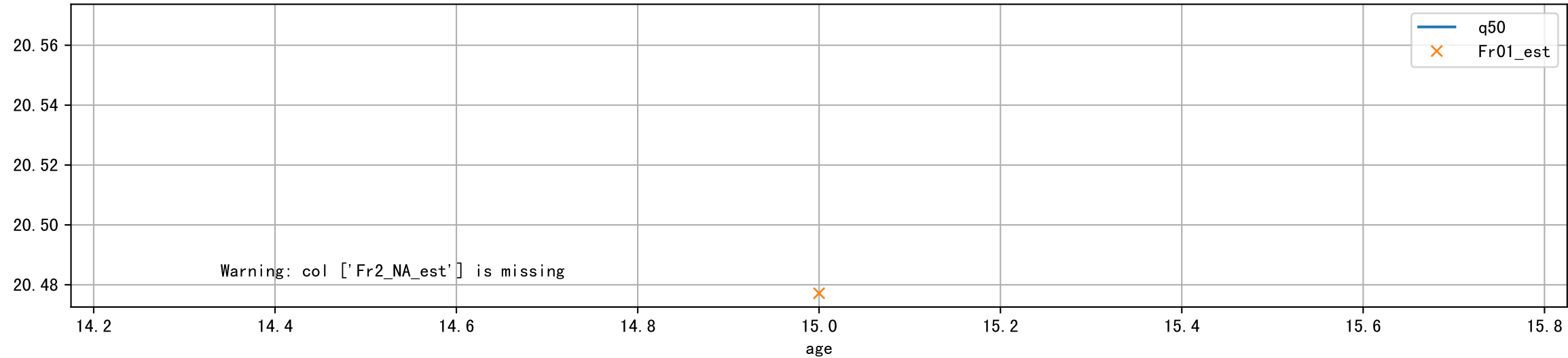
FrV: Fr01 vs Fr2_NA at each truss
organID=T01



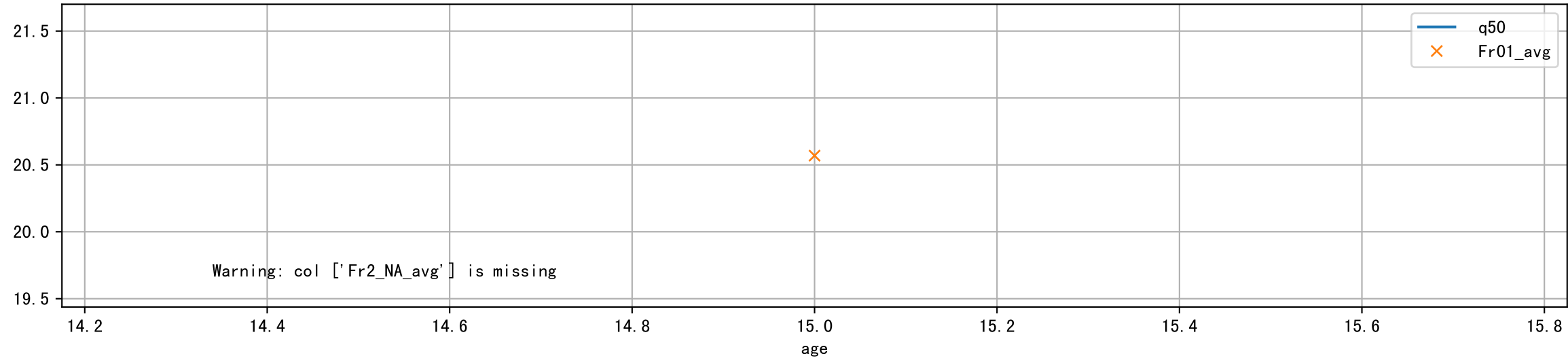
FrV trend at each age
age=15



FrV: model Est vs obsFrV at Q90

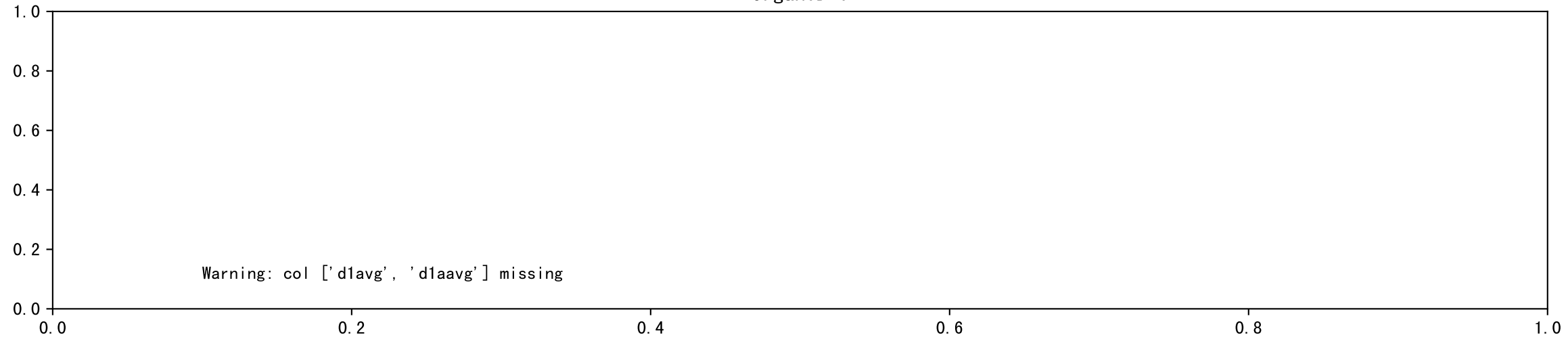


FrV: obsFrV vs obsFrV@Q90



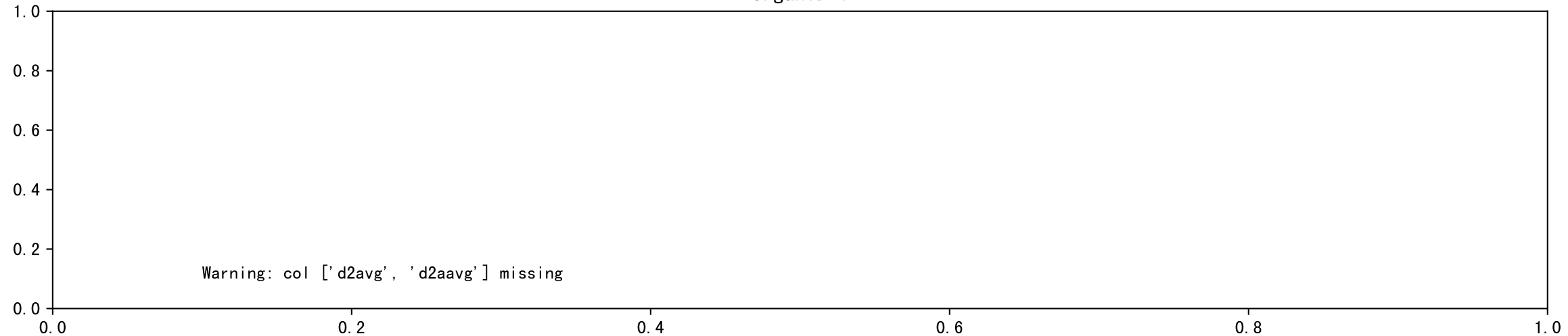
FrV: D_Fr1_FrV
organID=1

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

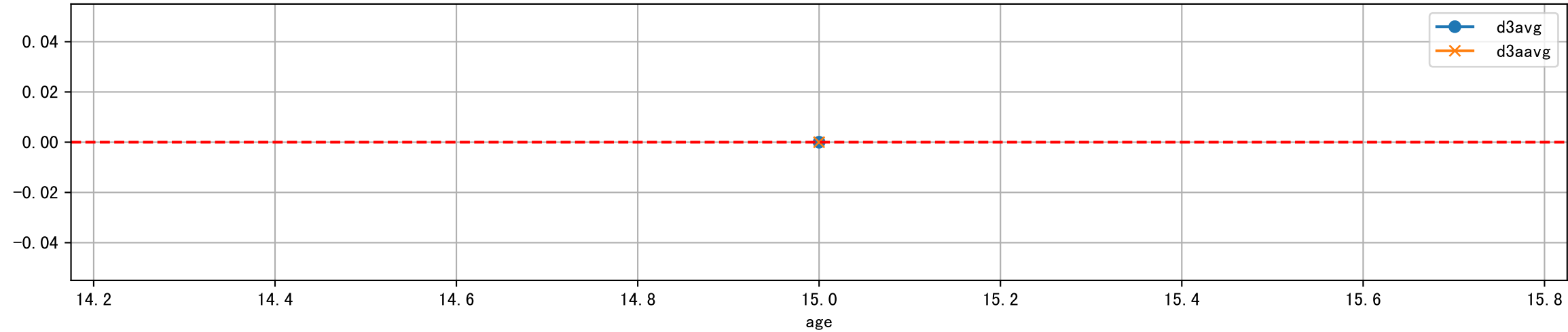


FrV: D_Ts_FrV
organID=1

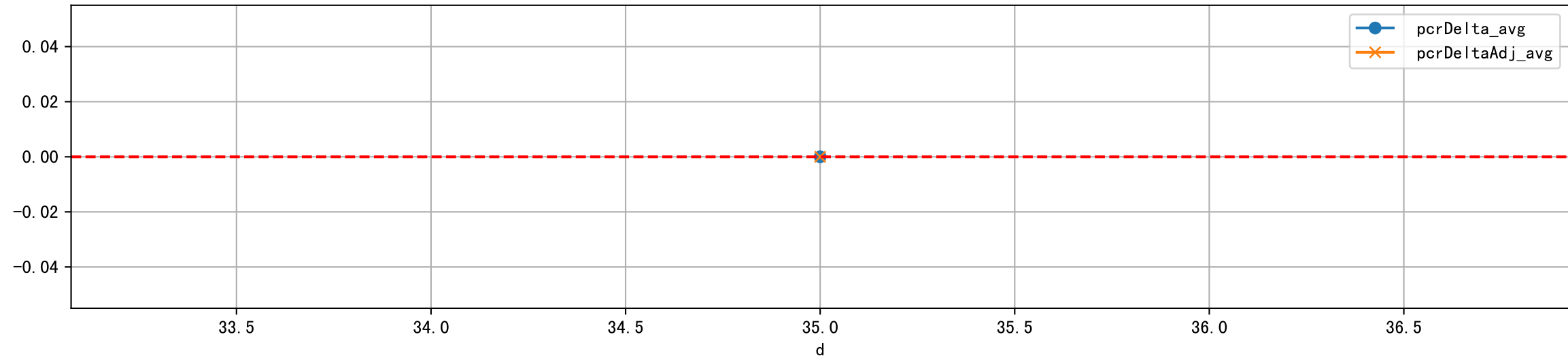
Warning: col ['d2avg', 'd2aavg'] missing



FrV: D_Q50_FrV
organID=1



P6AE FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=1

