

Phenotype Data Analysis Plots

PhenoData day range = 12 – 43

Analysis cutoff day = 43

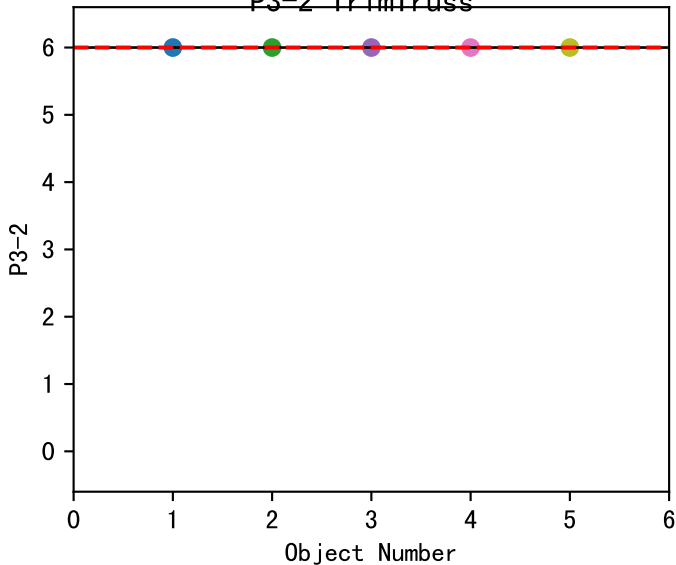
NC11 P3-2

2025-05-12 (Day 44)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

P3-2 TrimTruss



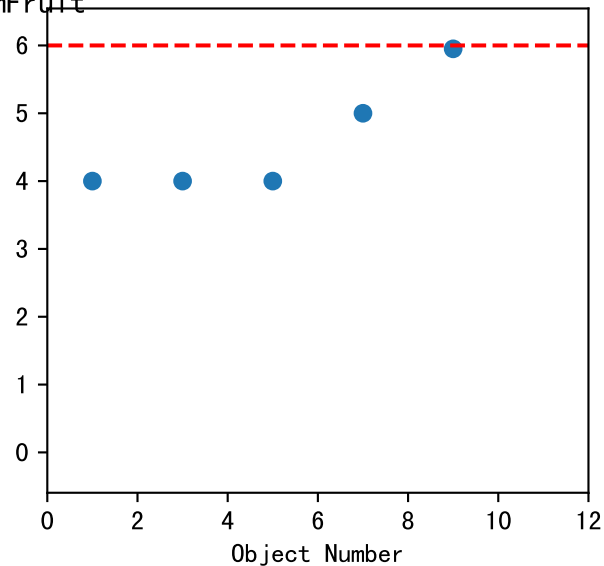
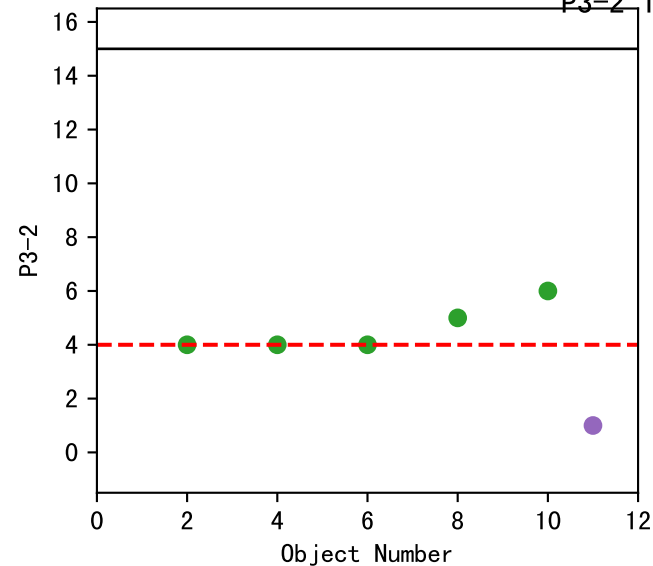
FruitNumAvgPerTruss (Def=15 Set=4)

avg1=4.0~12% avg2=na

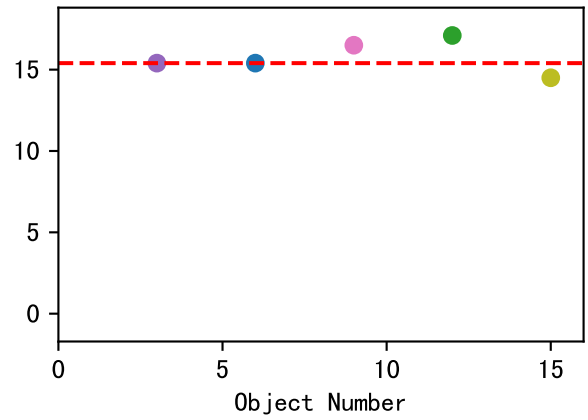
P3-2 TrimFruit

FruitNumMaxPerTruss (Def=na Set=6)

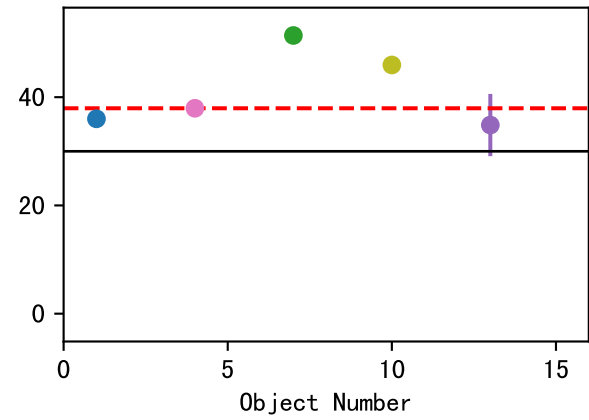
avg1=6.0~16% avg2=na



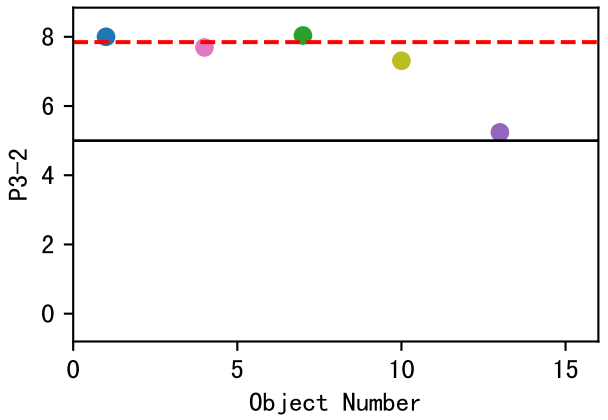
NdD_avgAbsY (Def=na Set=15.4)
avg1=15.4~7% avg2=na



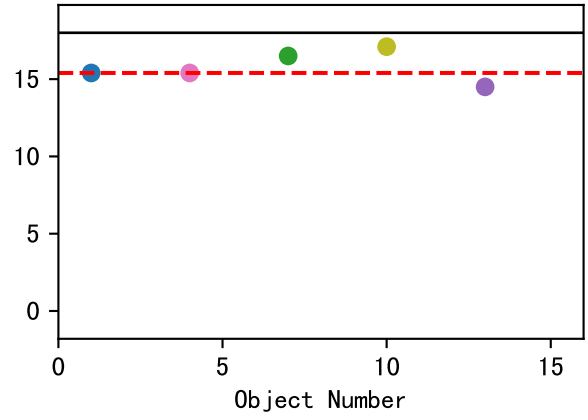
LfW_Q90AbsY (Def=30 Set=37.95)
avg1=37.95~19% avg2=na



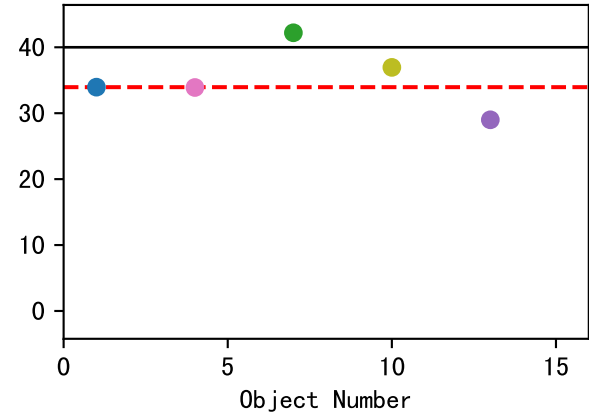
NdL_Q90AbsY (Def=5 Set=7.85)
avg1=7.85~4% avg2=na



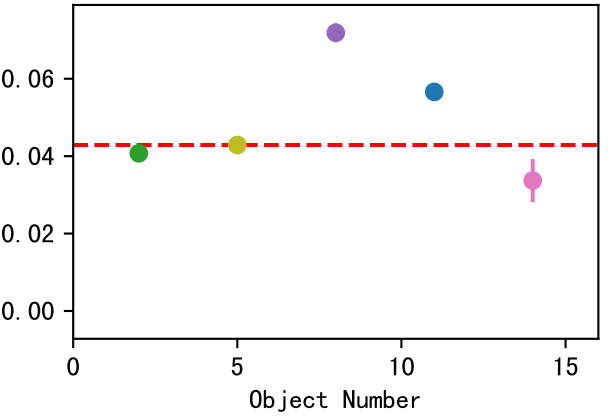
NdD_Q90AbsY (Def=18 Set=15.4)
avg1=15.4~7% avg2=na



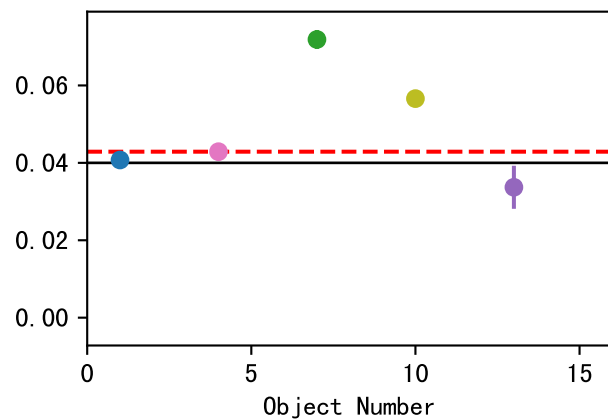
LfL_Q90AbsY (Def=40 Set=33.95)
avg1=33.95~5% avg2=na



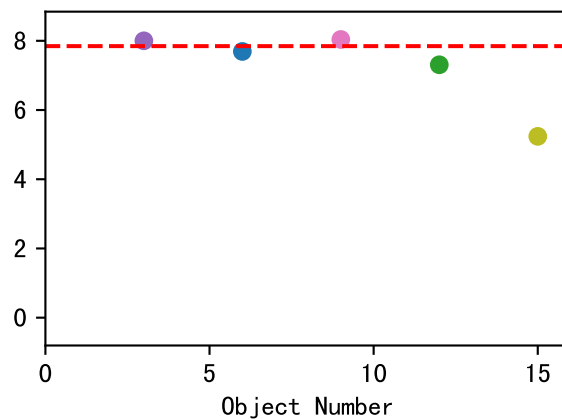
LfA_avgAbsY (Def=na Set=0.04)
avg1=0.04~35% avg2=na



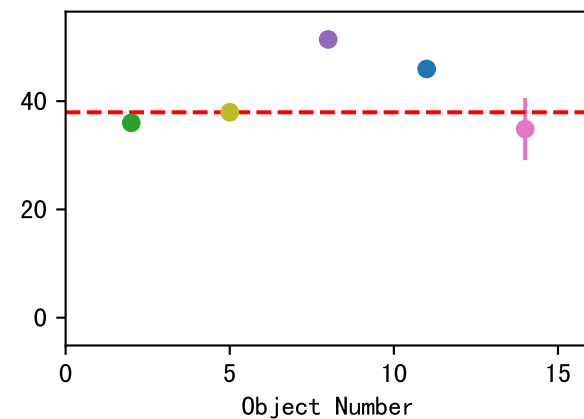
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.04~35% avg2=na



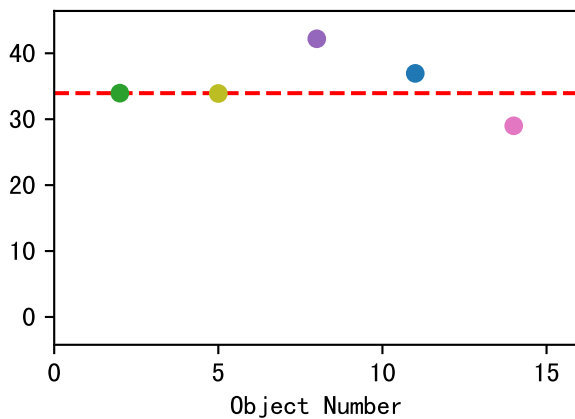
NdL_avgAbsY (Def=na Set=7.85)
avg1=7.85~4% avg2=na



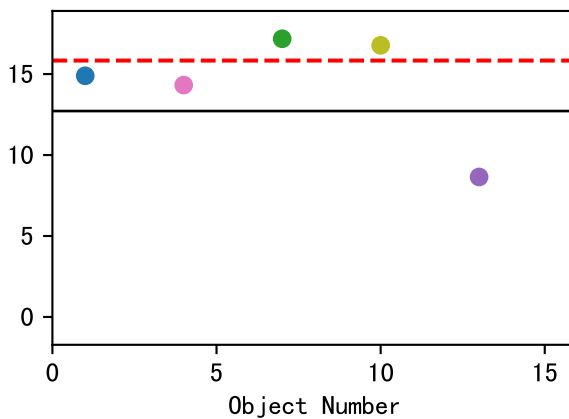
LfW_avgAbsY (Def=na Set=37.95)
avg1=37.95~19% avg2=na



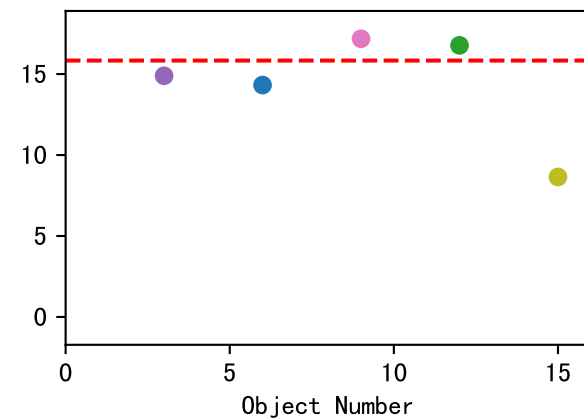
LfL_avgAbsY (Def=na Set=33.95)
avg1=33.95~5% avg2=na



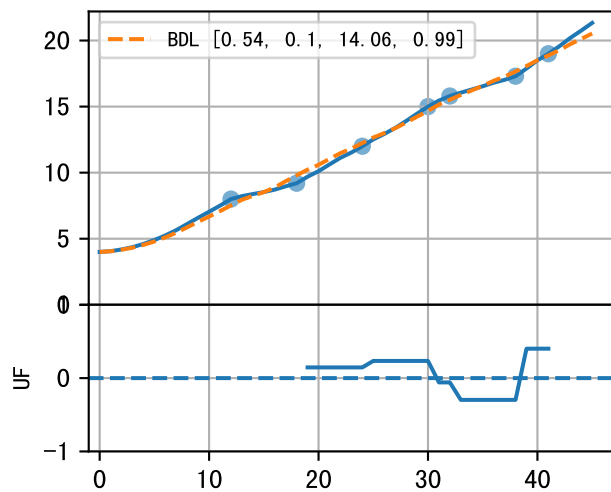
NdV_Q90AbsY (Def=12.72 Set=12.72)
avg1=15.83~9% avg2=na



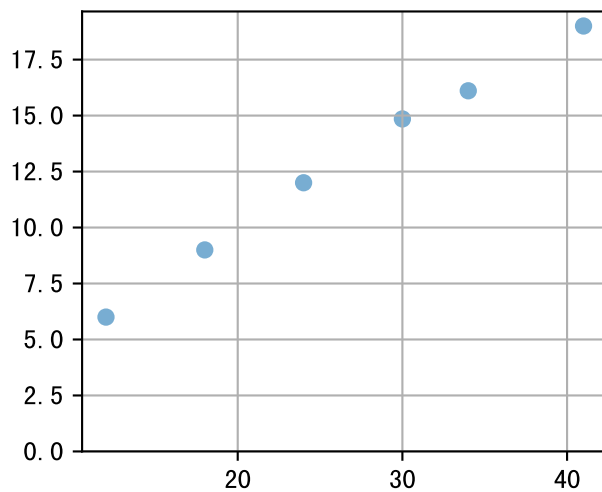
NdV_avgAbsY (Def=na Set=na)
avg1=15.83~9% avg2=na



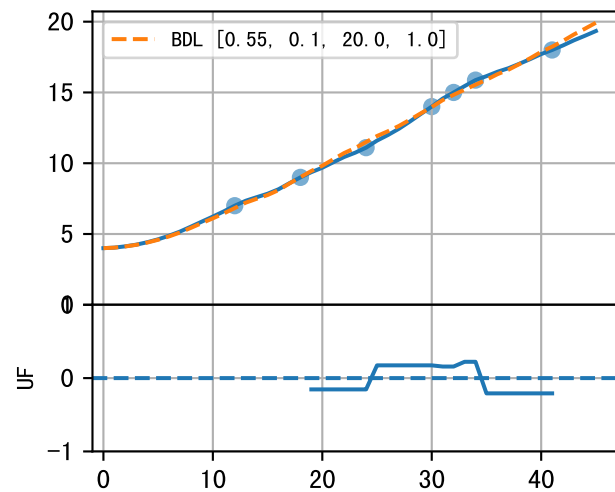
P3-2-16-21 (fit failed)



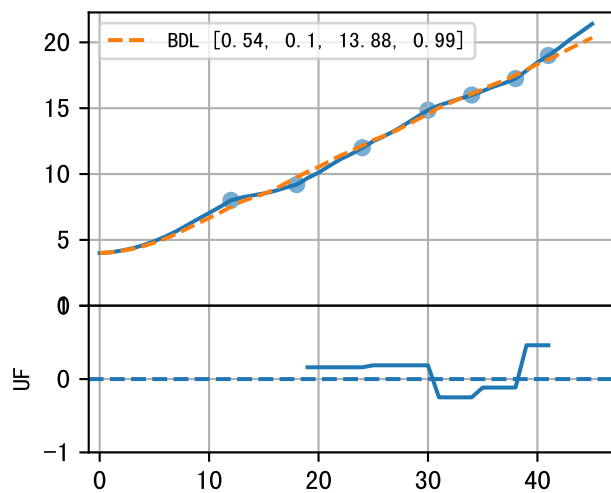
P3-2-24-18 (fit failed)



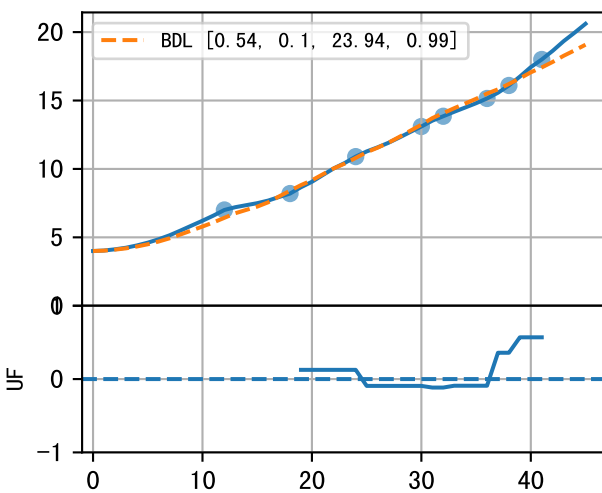
P3-2-40-6 (fit failed)



P3-2-55-28 (fit failed)

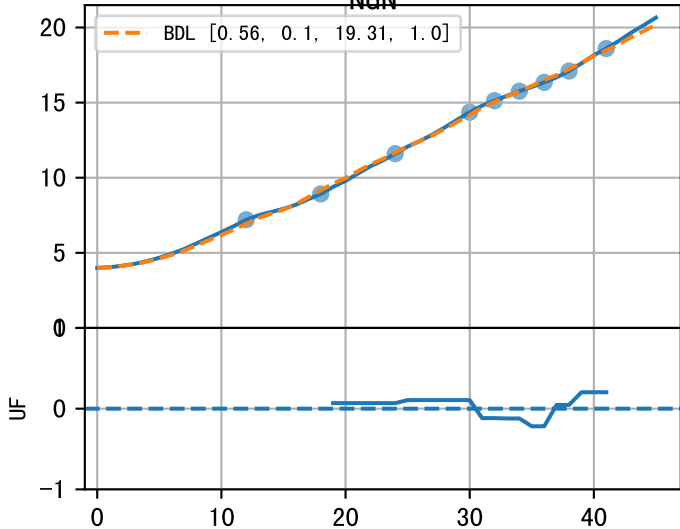


P3-2-9-8 (fit failed)

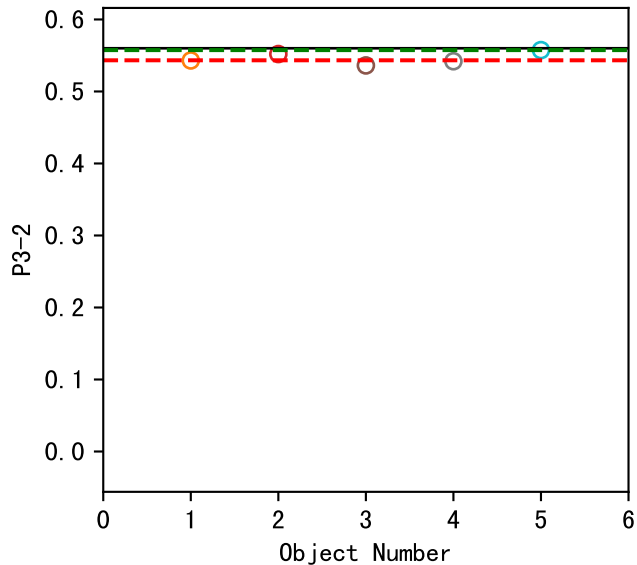


P3-2avg (fit failed)

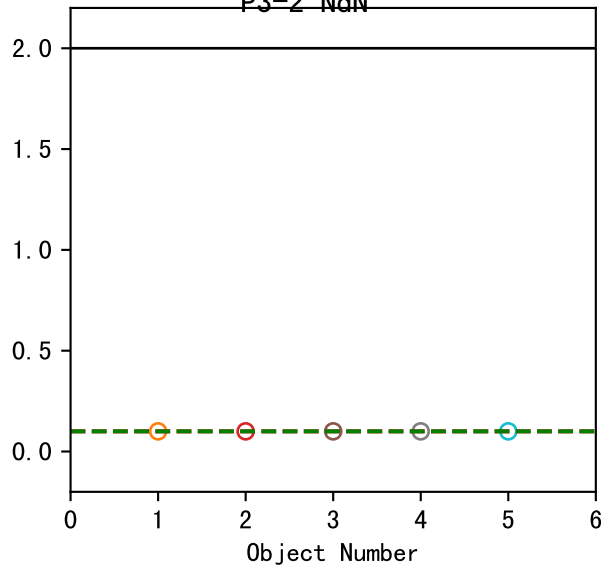
NdN



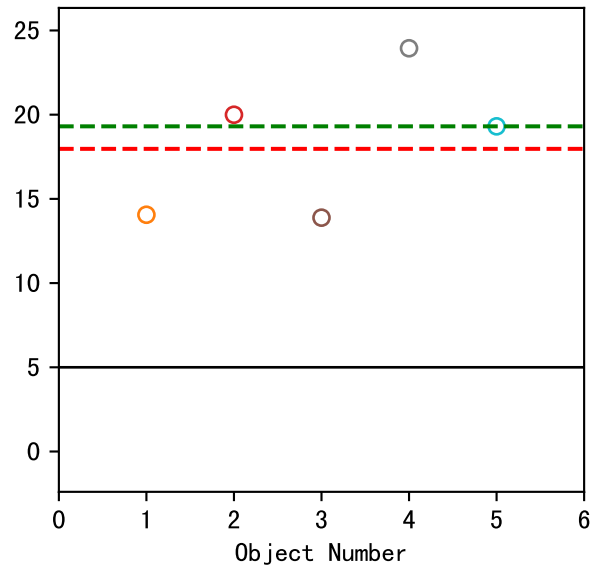
a (Def=0.56 Set=0.56)
avg1=0.54(fail) avg2=0.56



dm (Def=2 Set=0.1)
avg1=0.1(fail) avg2=0.1

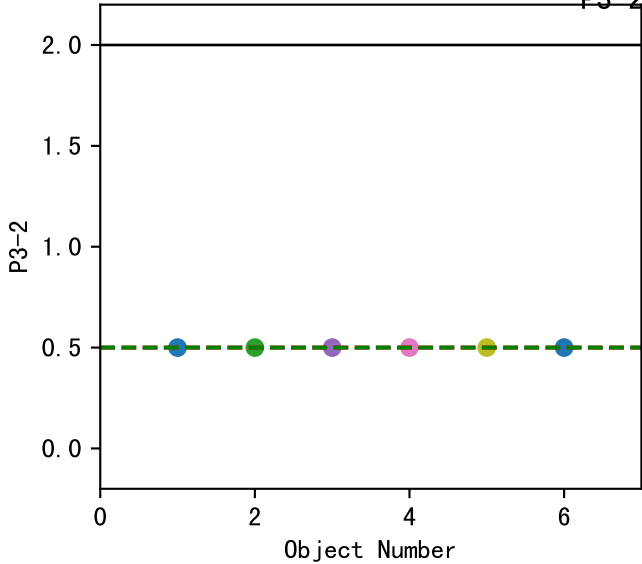


de (Def=5 Set=19.31)
avg1=17.97(fail) avg2=19.31



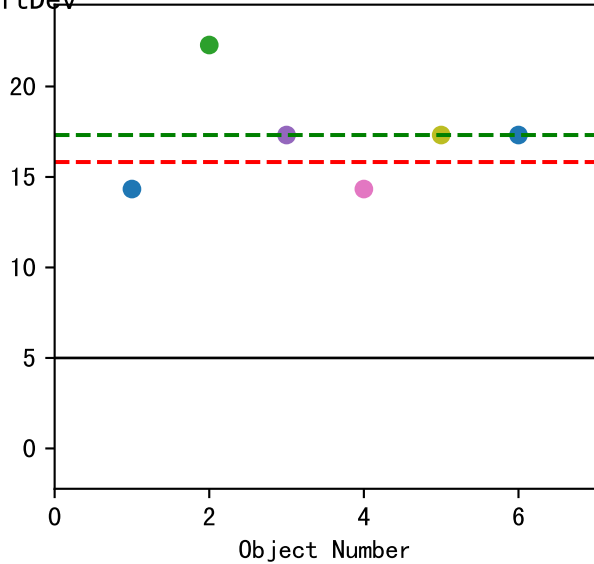
InitDev_dm (Def=2 Set=0.5)
avg1=0.5~0% avg2=0.5

P3-2

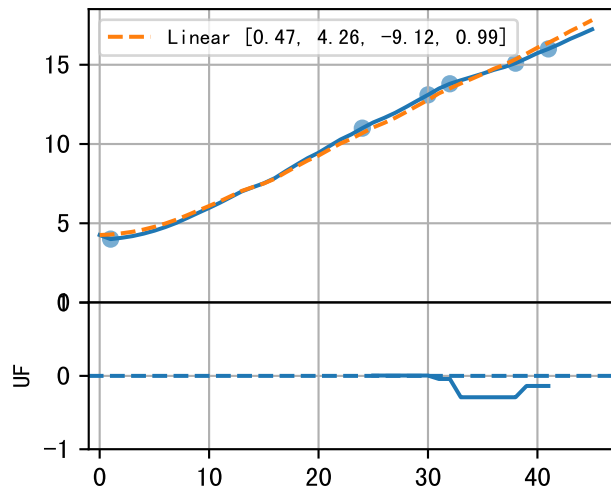


InitDev_de (Def=5 Set=17.32)
avg1=15.83~11% avg2=17.32

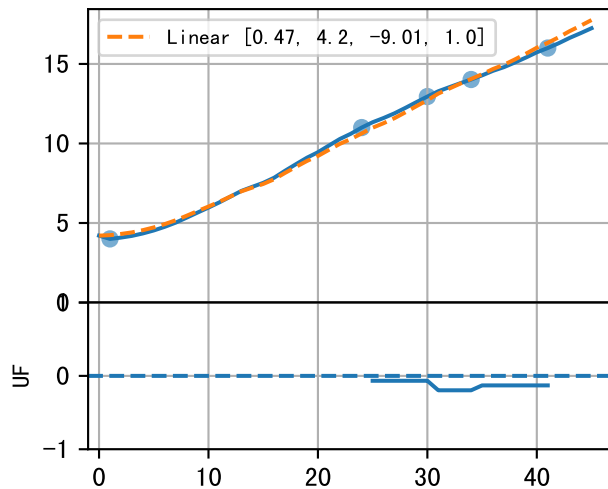
InitDev



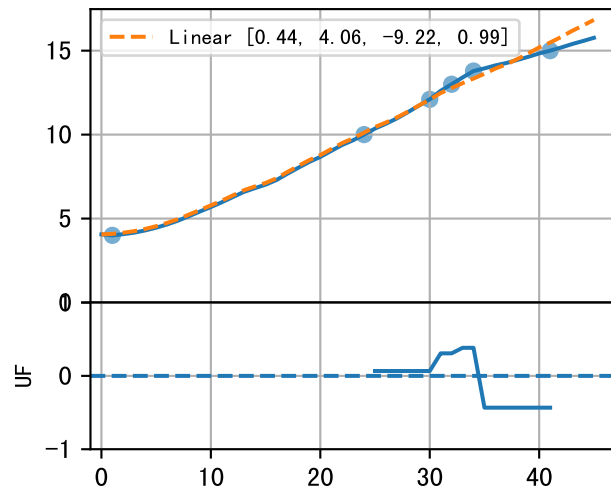
P3-2-16-21



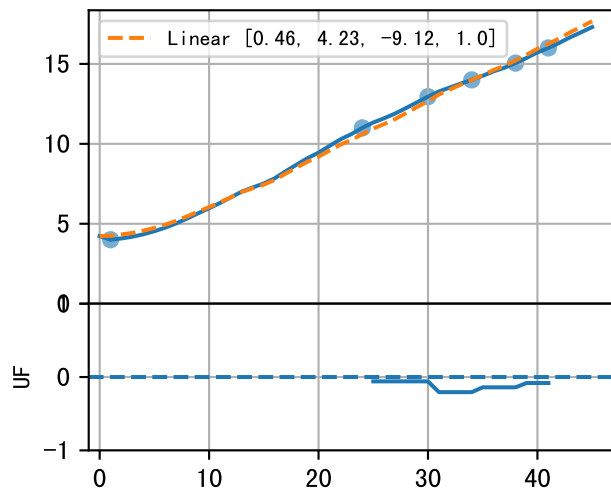
P3-2-24-18



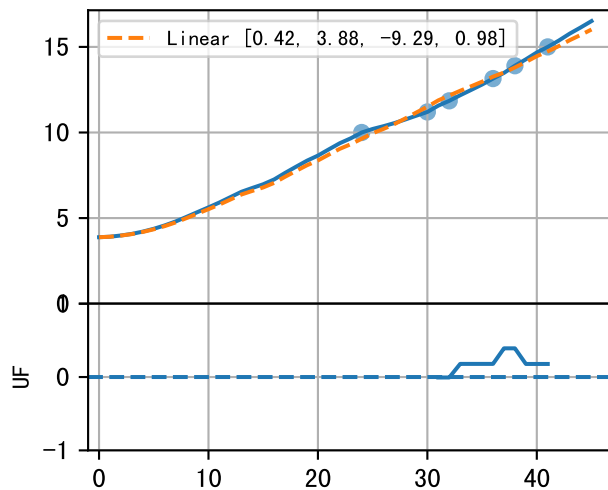
P3-2-40-6



P3-2-55-28



P3-2-9-8



P3-2avg
Lfn

Linear [0.41, 4.95, -12.0, 1.0]

UF

15

10

5

0

0

-1

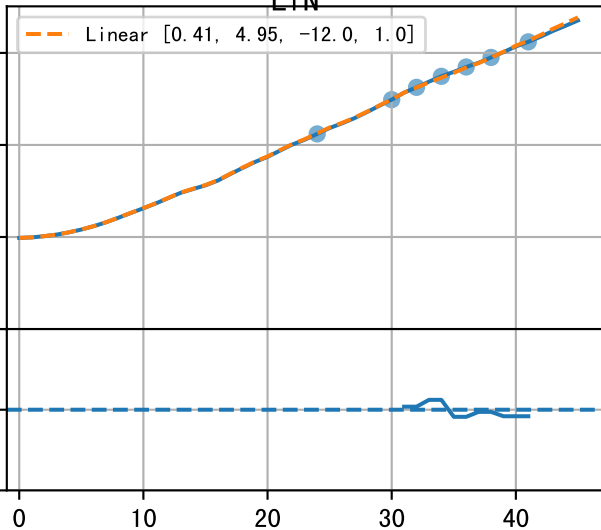
0

10

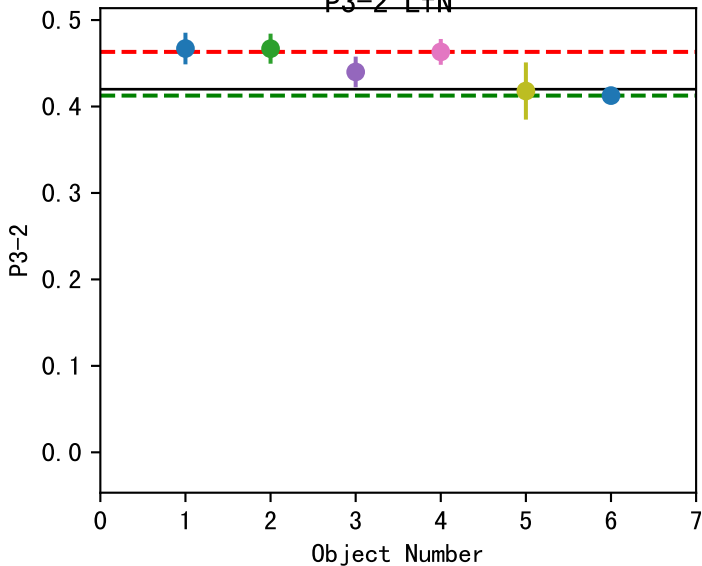
20

30

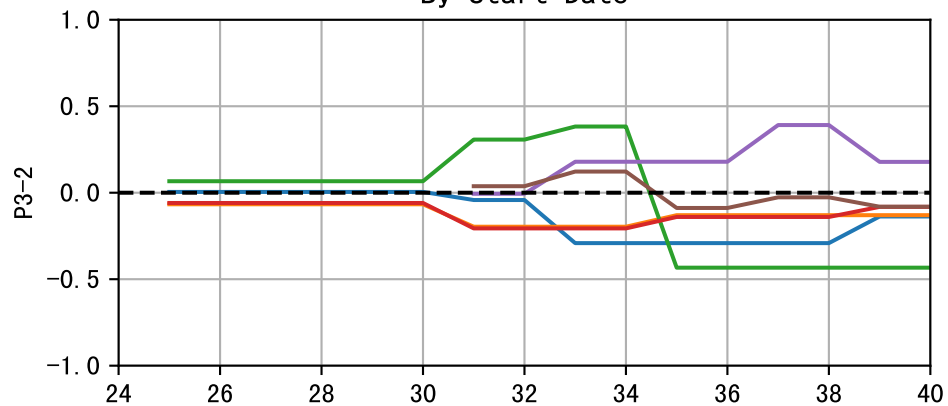
40



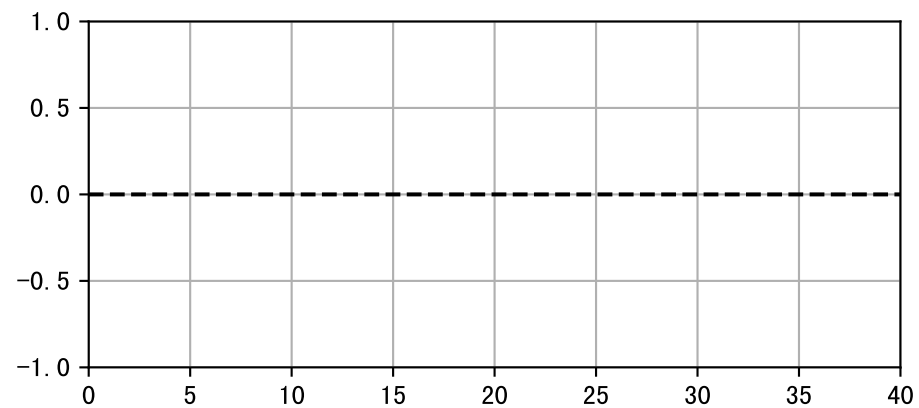
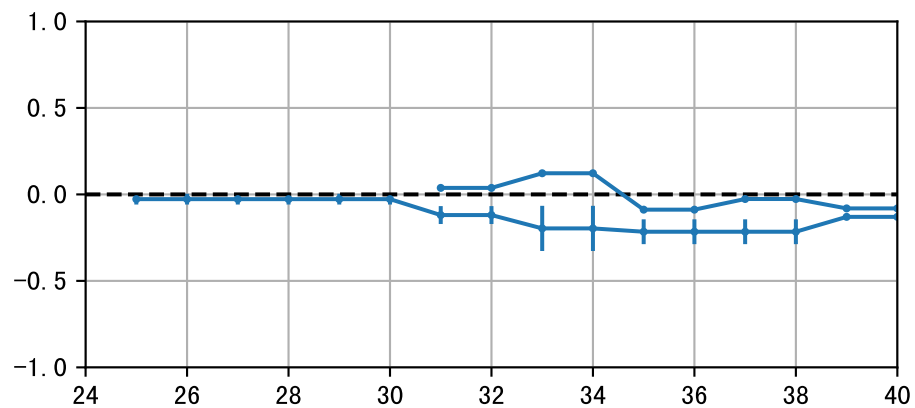
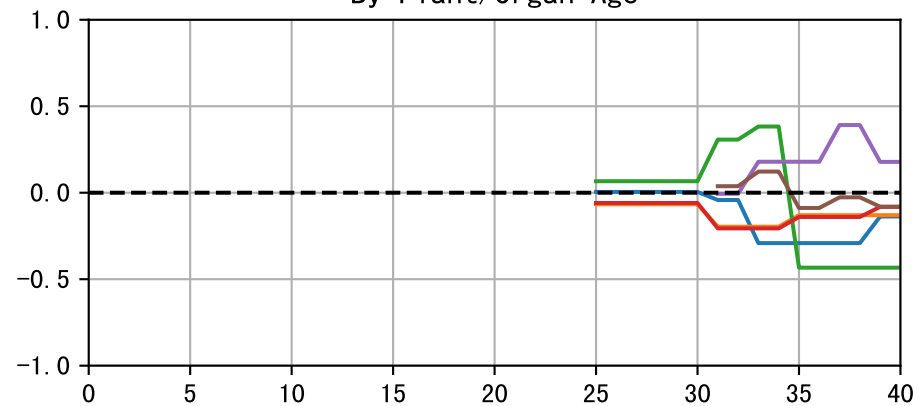
a (Def=0.42 Set=0.41)
avg1=0.46 $\sim$ 5% avg2=0.41 $\sim$ 3%
P3-2 LfN



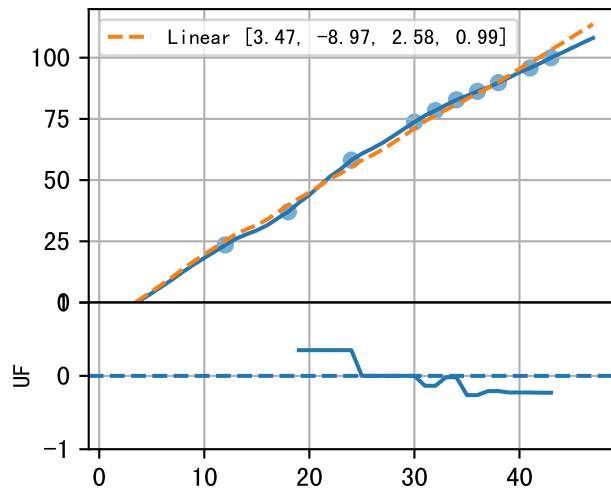
By Start Date



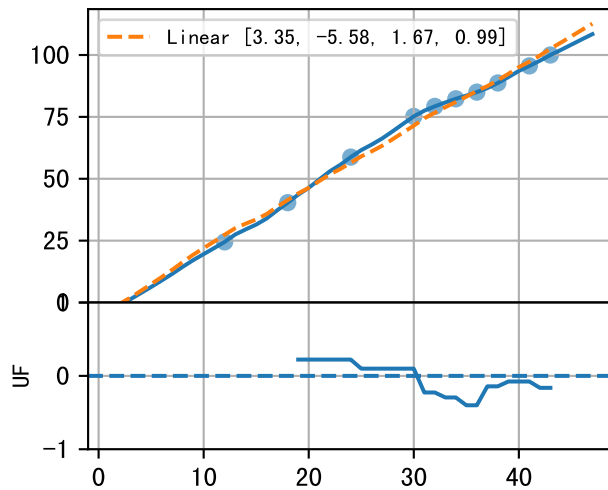
By Plant/Organ Age



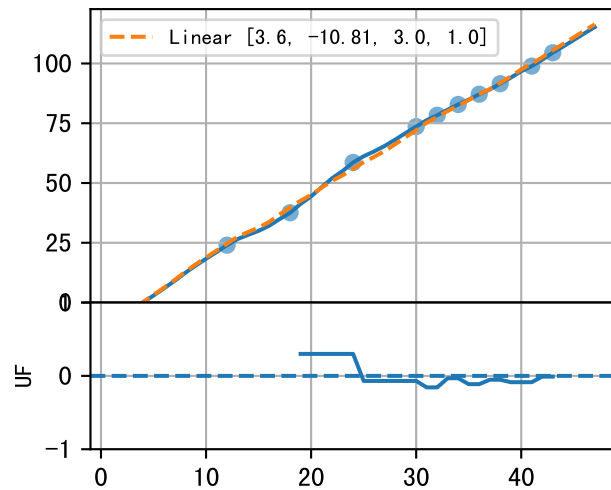
P3-2-16-21



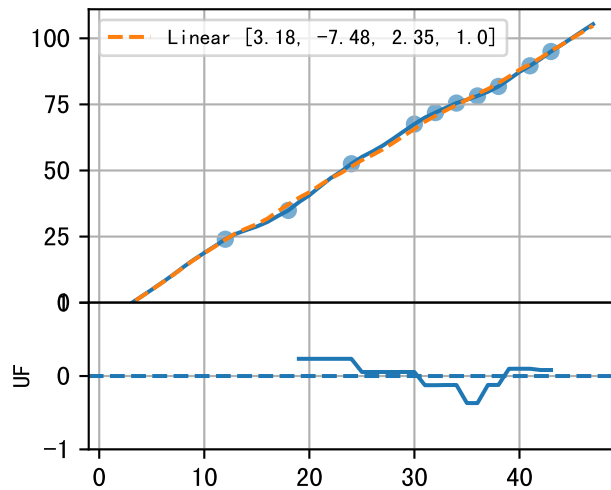
P3-2-24-18



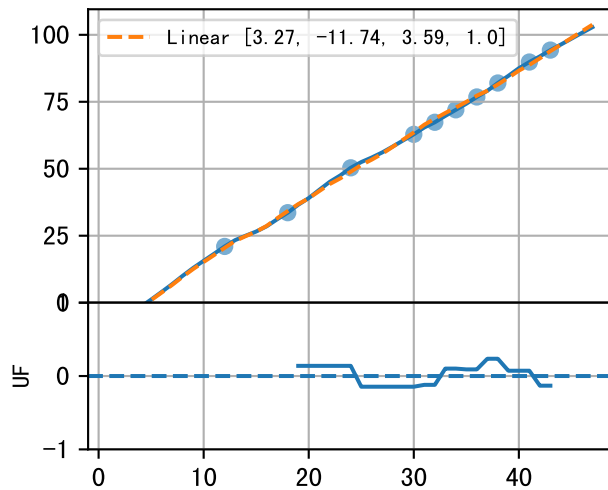
P3-2-40-6



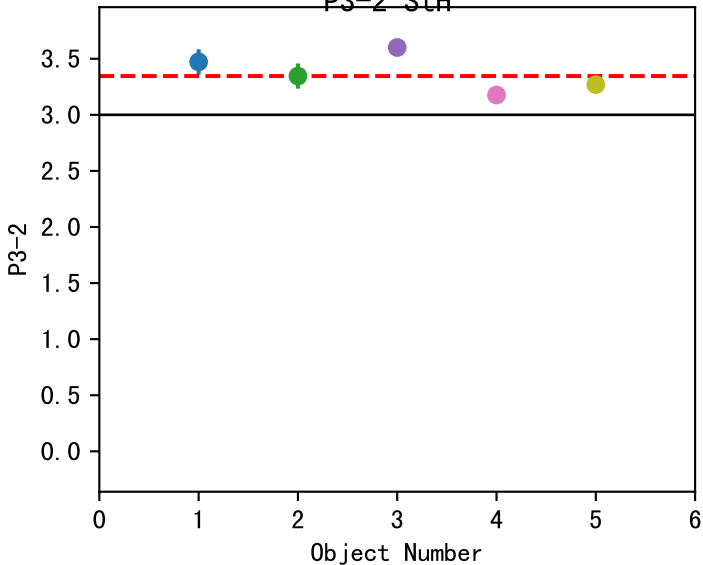
P3-2-55-28



P3-2-9-8

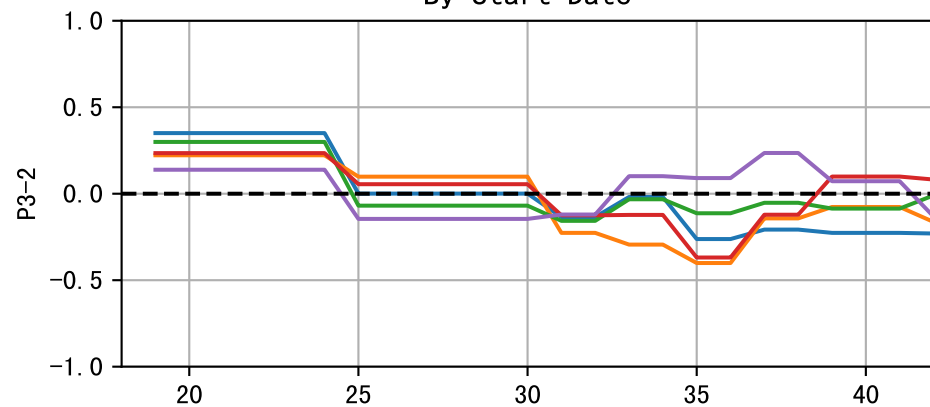


a (Def=3 Set=3.35)
avg1=3.35~5% avg2=na
P3-2 Sth

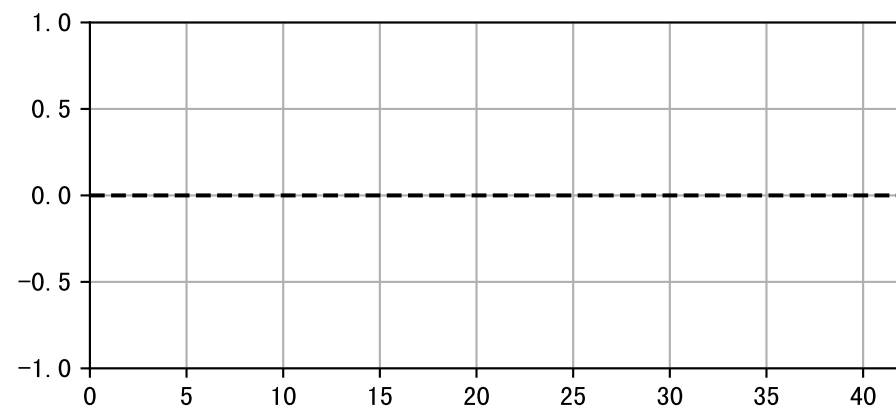
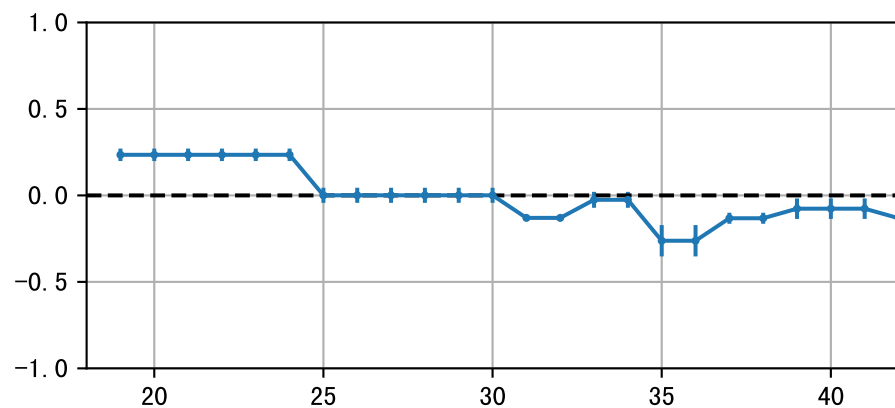
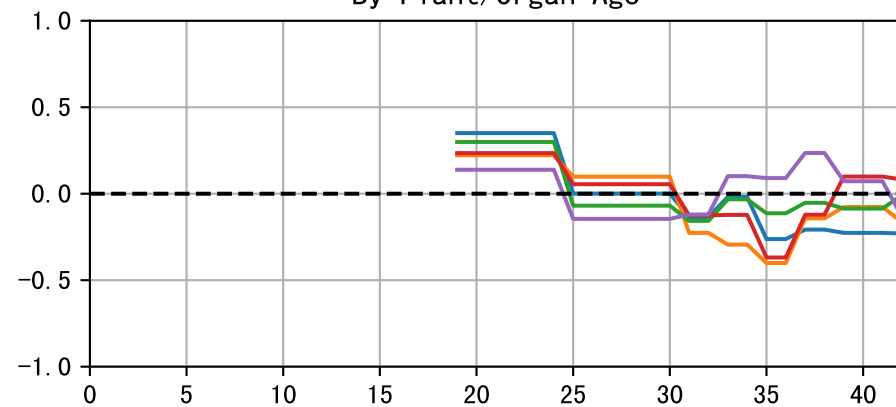


StH

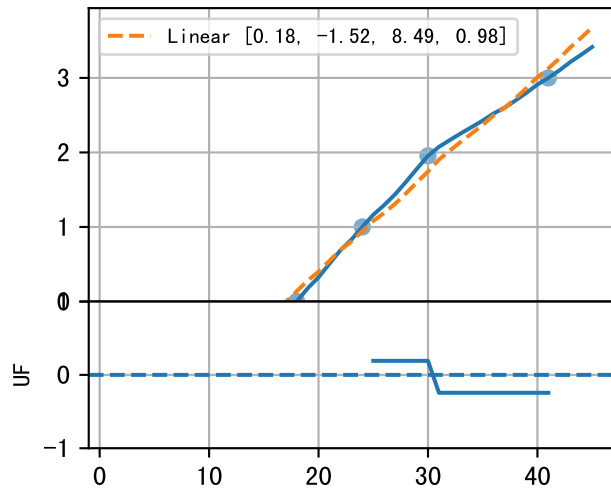
By Start Date



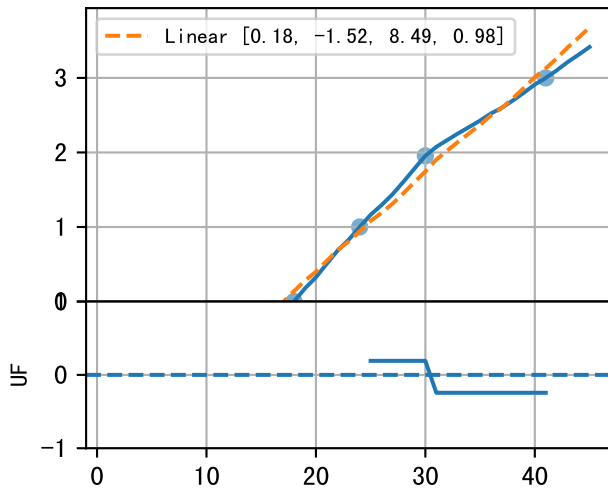
By Plant/Organ Age



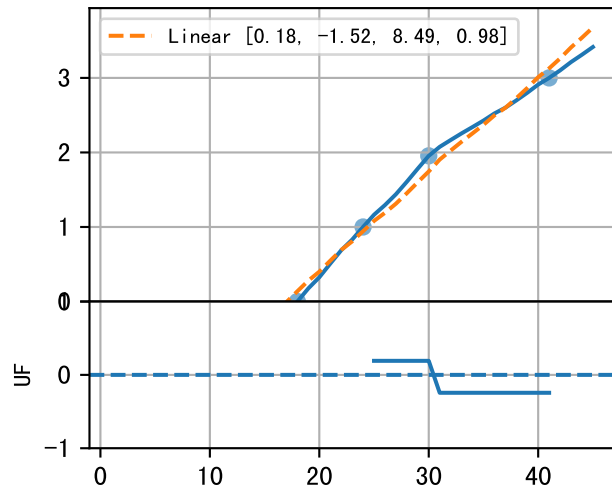
P3-2-16-21



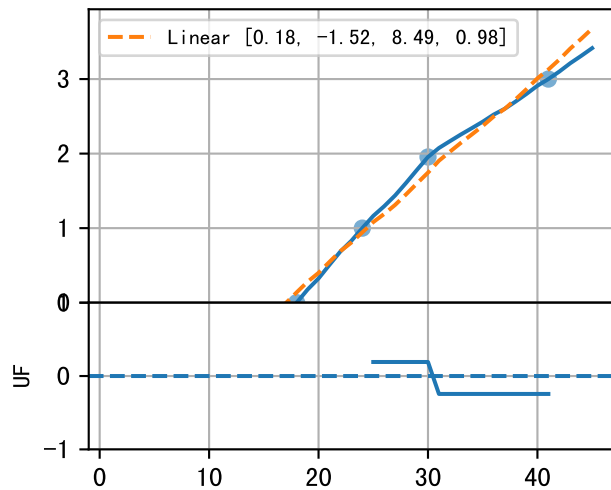
P3-2-24-18



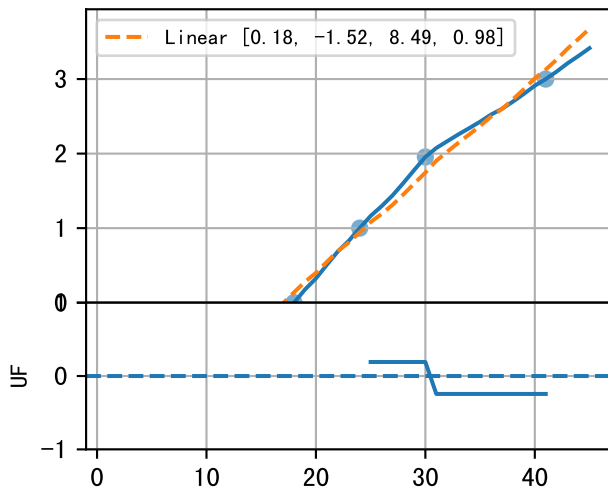
P3-2-40-6



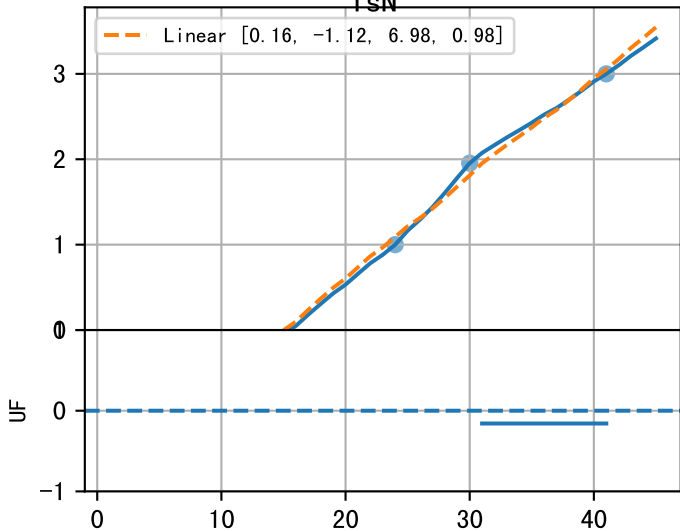
P3-2-55-28

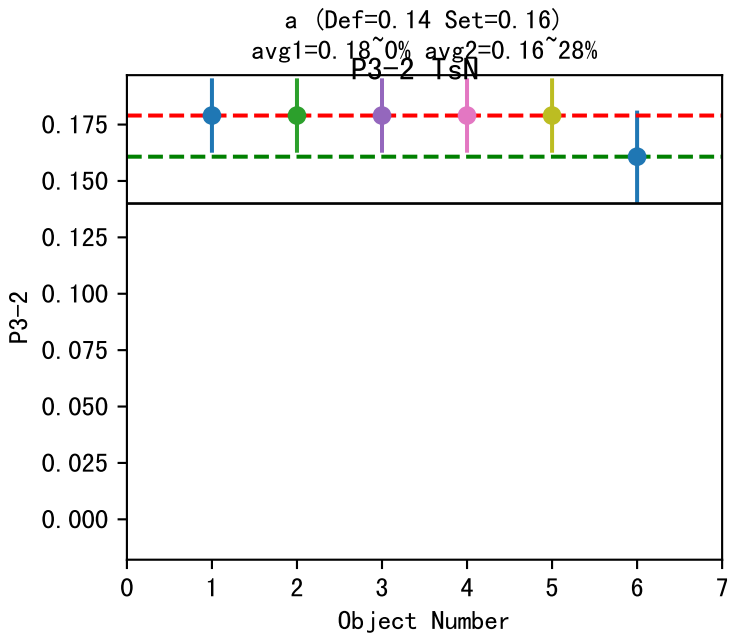


P3-2-9-8

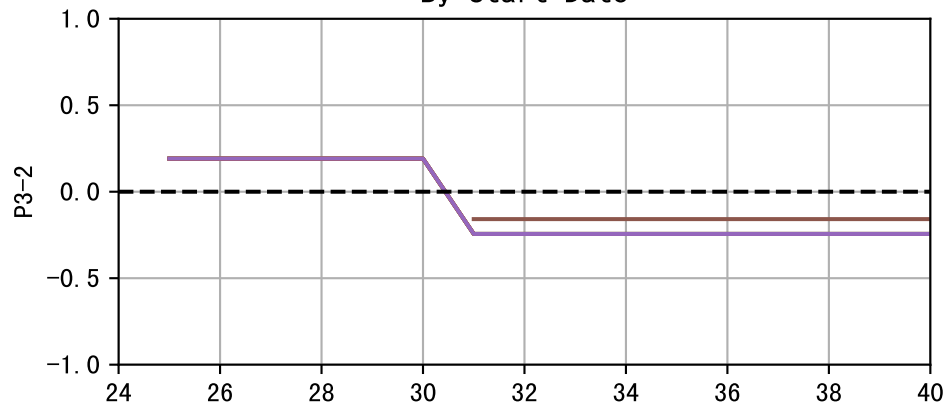


P3-2avg
T_{SN}

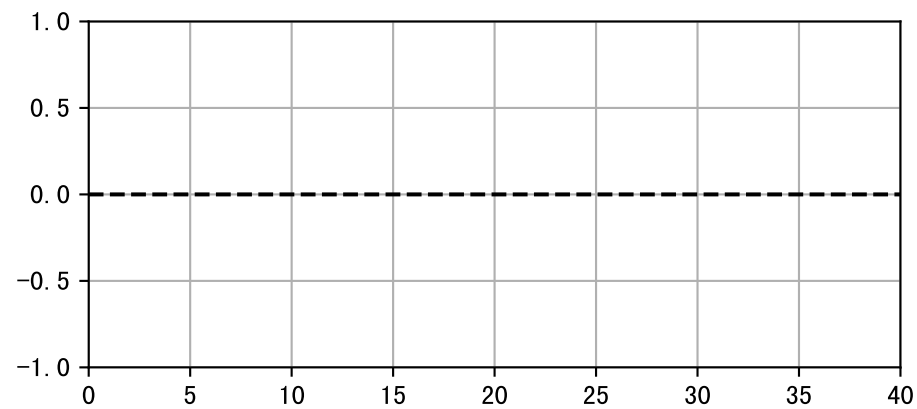
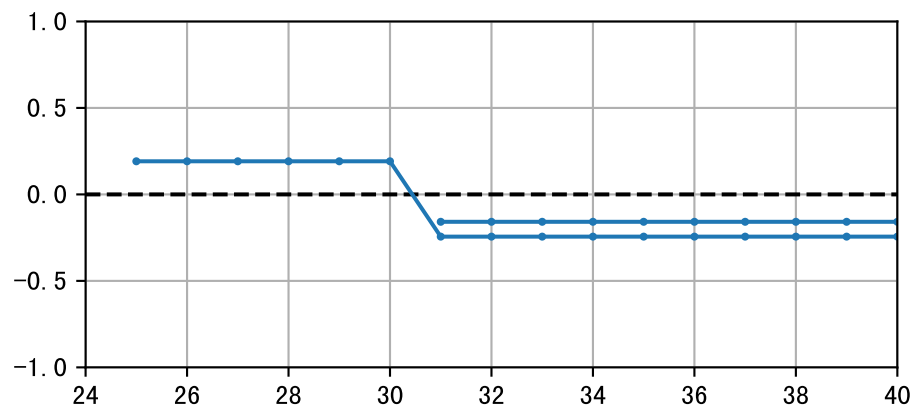
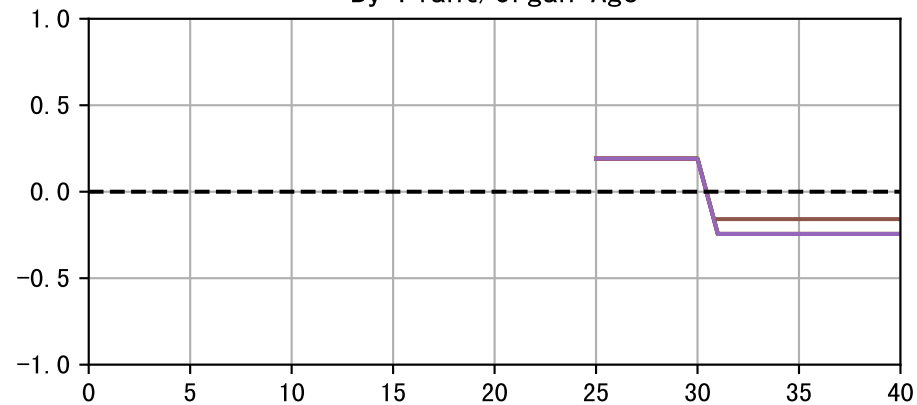




By Start Date

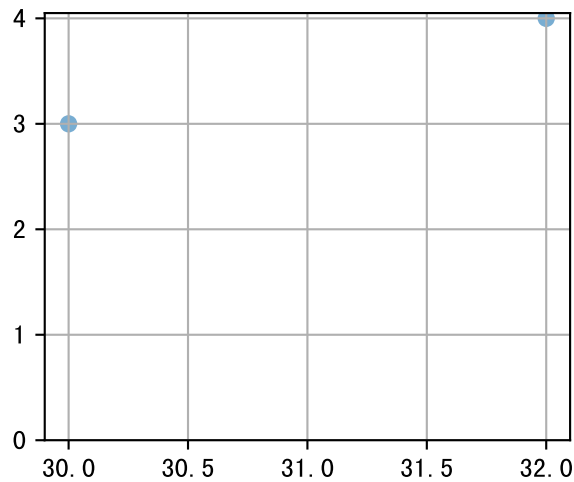


By Plant/Organ Age

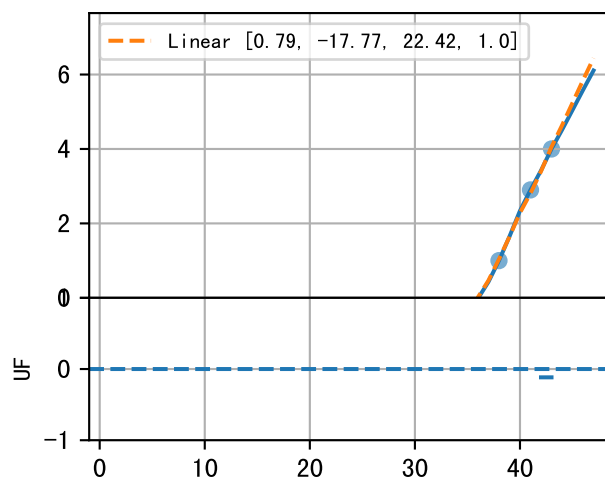


FrN

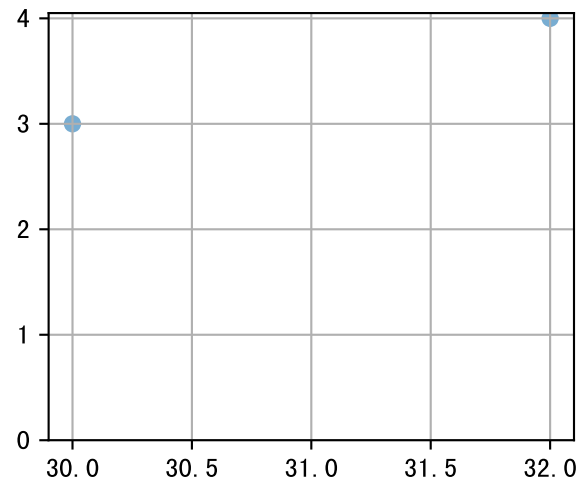
P3-2-16-21T1 (fit failed)



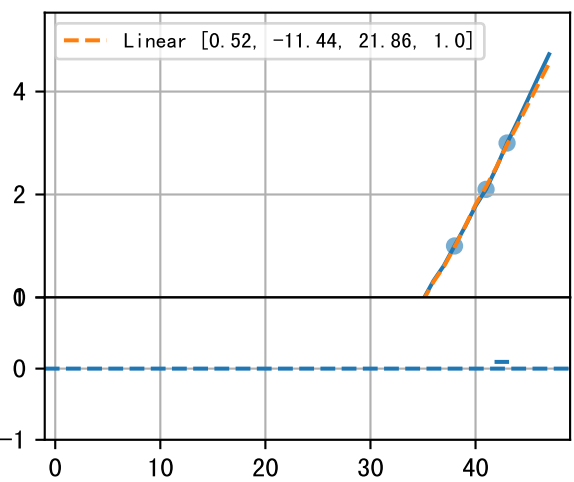
P3-2-16-21T2



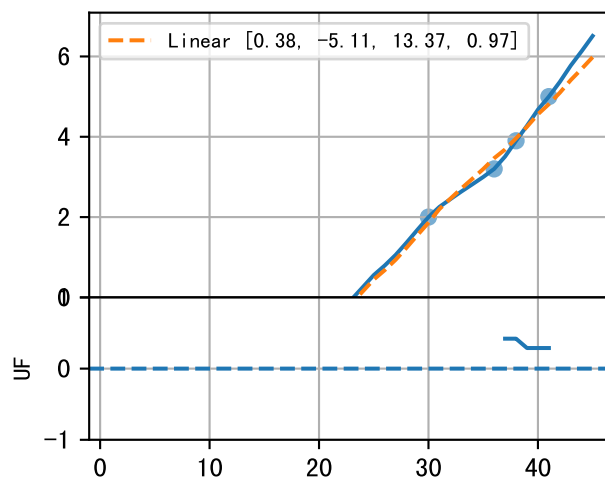
P3-2-40-6T1 (fit failed)



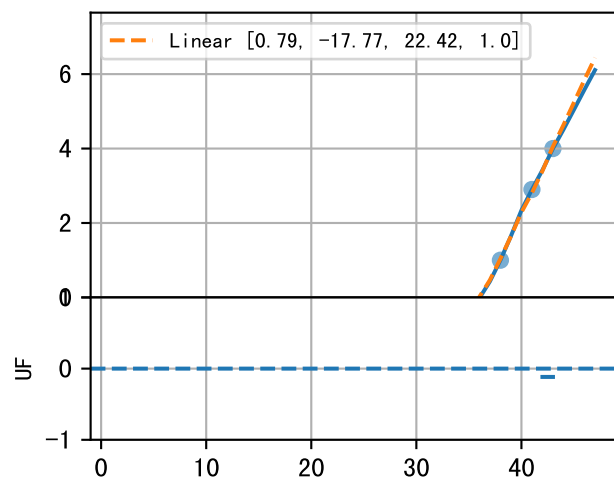
P3-2-40-6T2



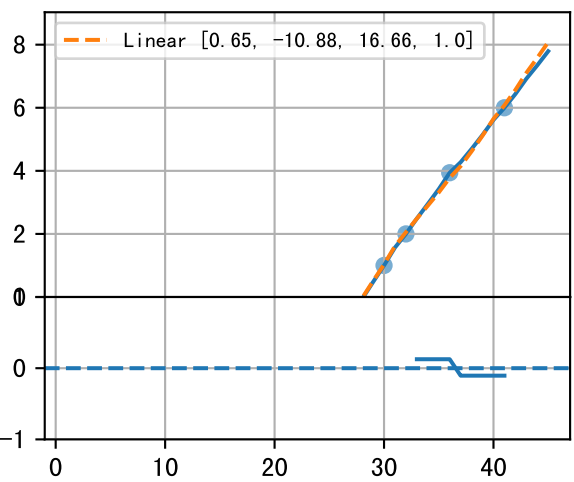
P3-2-55-28T1



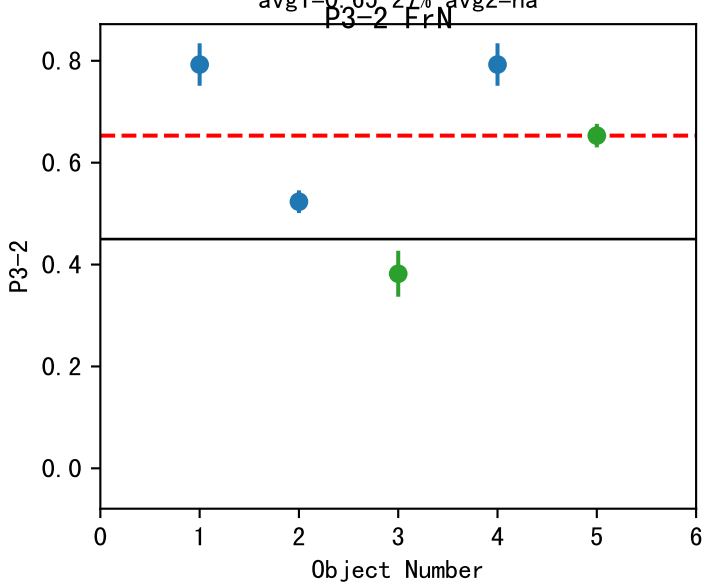
P3-2-55-28T2



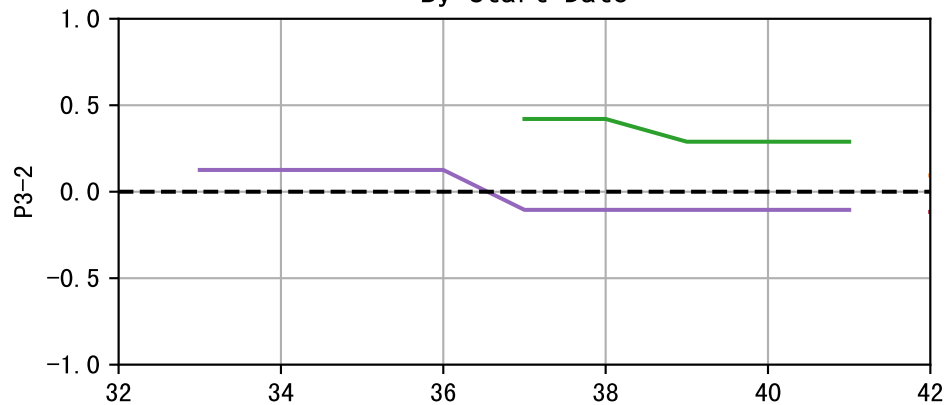
P3-2-9-8T1



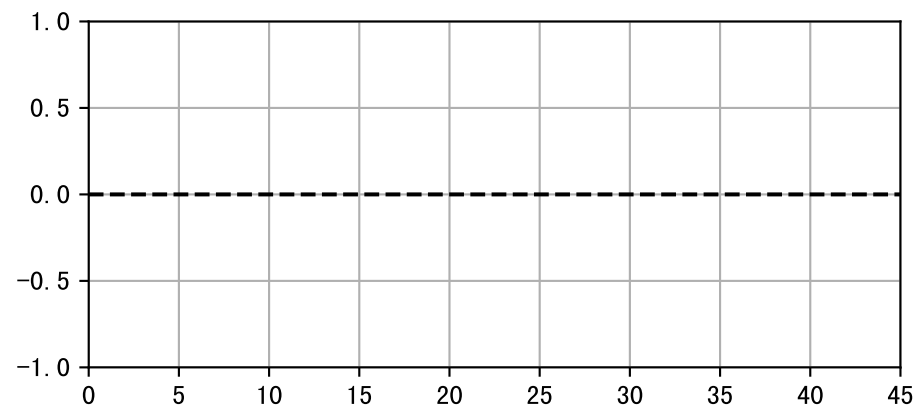
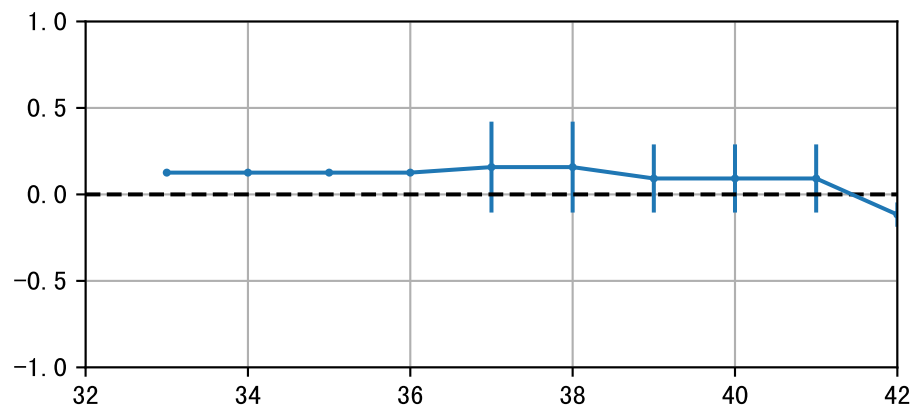
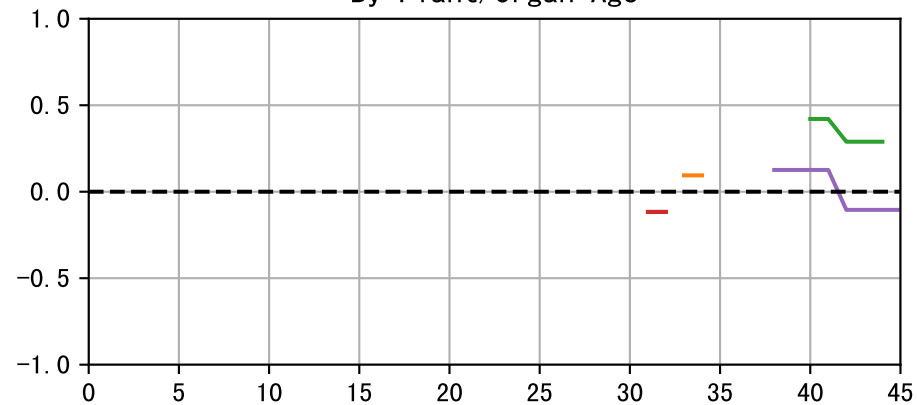
a (Def=0.45 Set=0.65)
avg1=0.65^{~27%} avg2=na



By Start Date

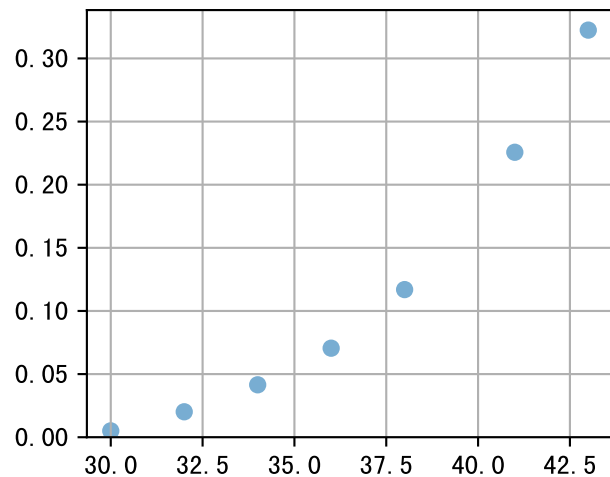


By Plant/Organ Age

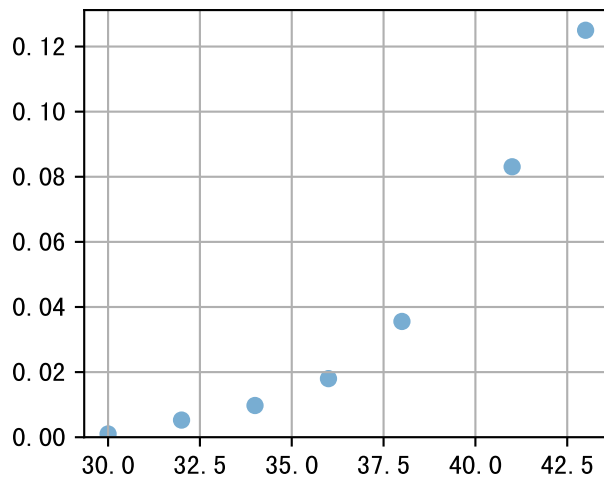


FrV

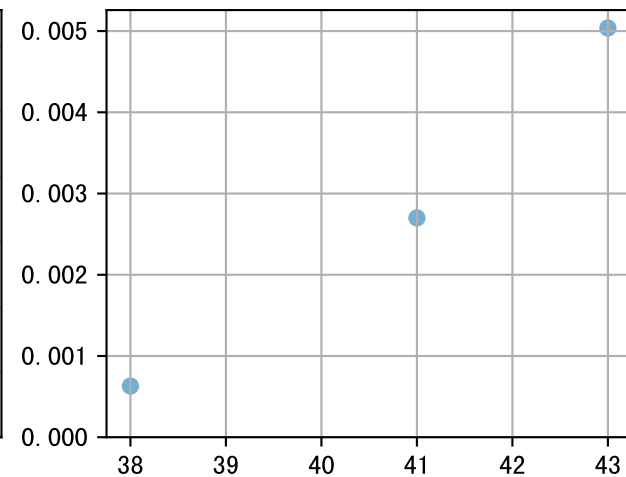
P3-2-16-21T1Fr1 (fit failed)



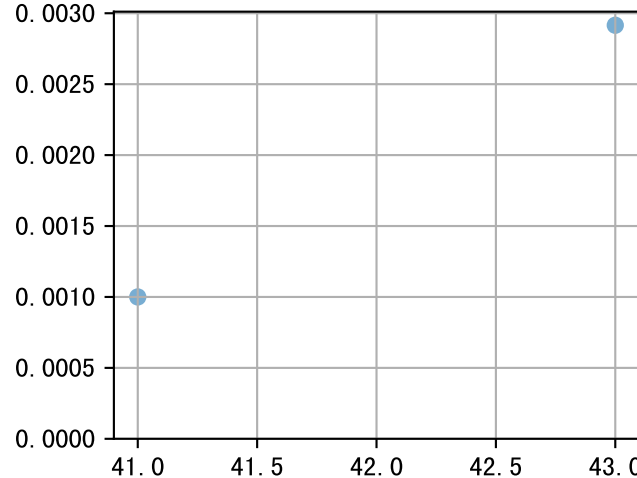
P3-2-16-21T1Fr5 (fit failed)



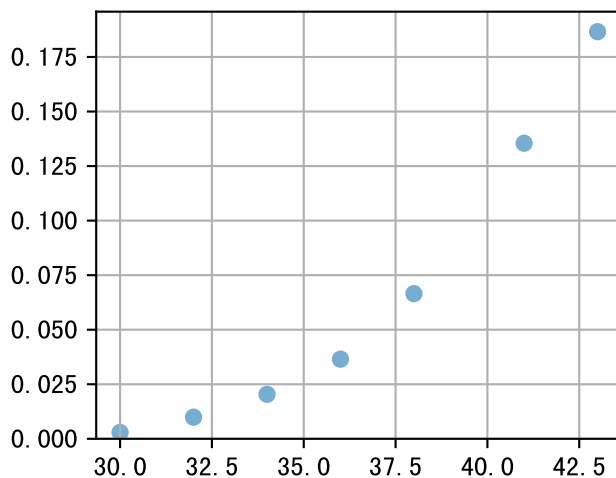
P3-2-16-21T2Fr1 (fit failed)



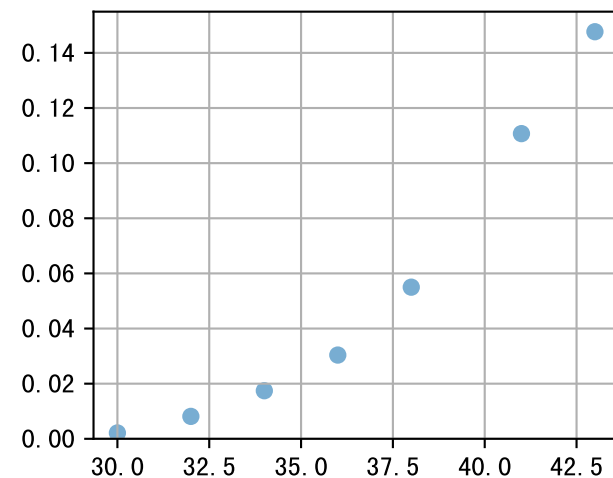
P3-2-16-21T2Fr5 (fit failed)



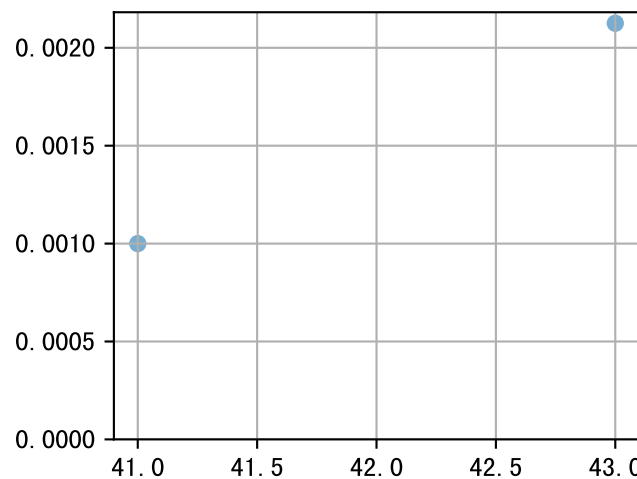
P3-2-24-18T1Fr1 (fit failed)



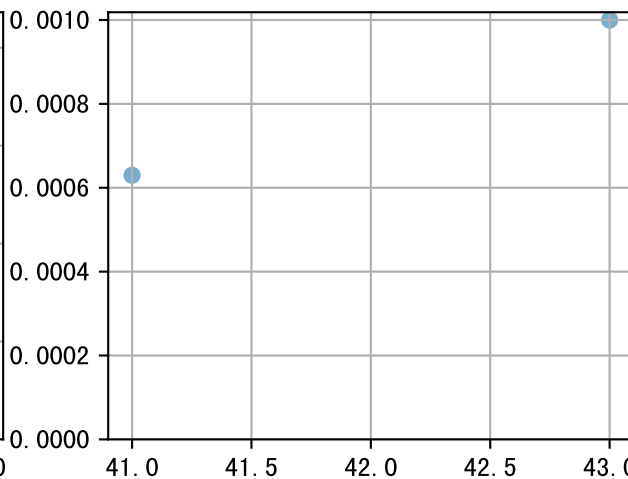
P3-2-24-18T1Fr5 (fit failed)



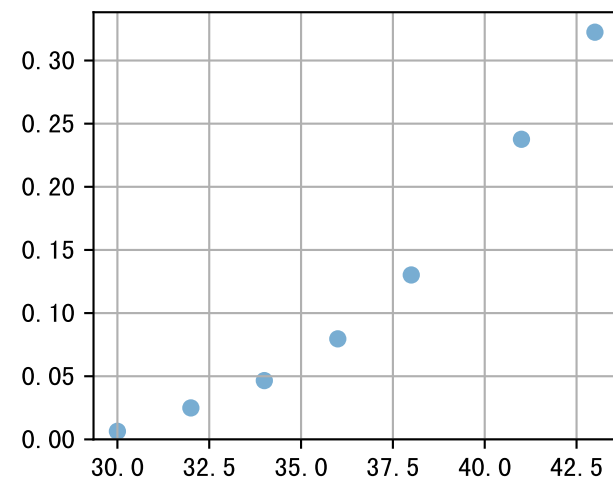
P3-2-24-18T2Fr1 (fit failed)



P3-2-24-18T2Fr5 (fit failed)

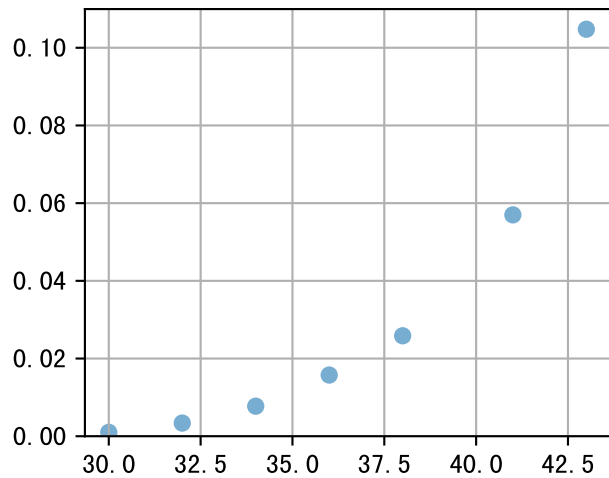


P3-2-40-6T1Fr1 (fit failed)

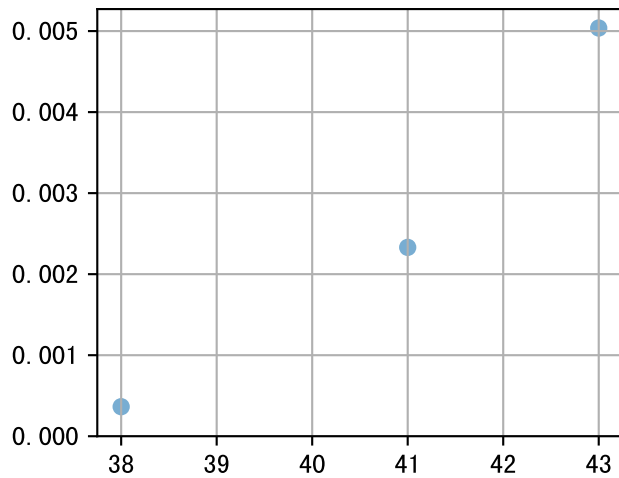


FrV

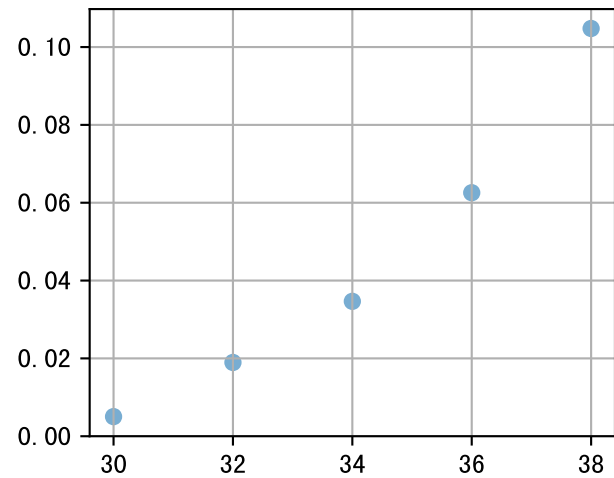
P3-2-40-6T1Fr5 (fit failed)



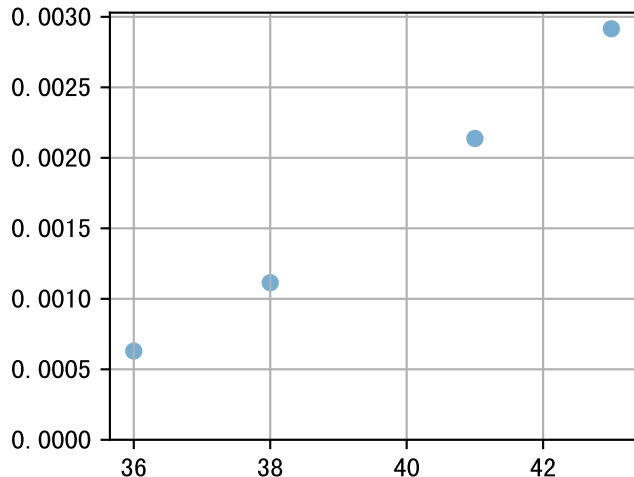
P3-2-40-6T2Fr1 (fit failed)



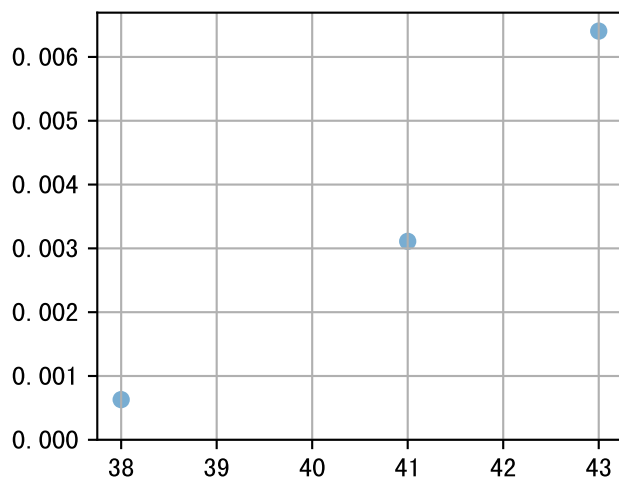
P3-2-55-28T1Fr1 (fit failed)



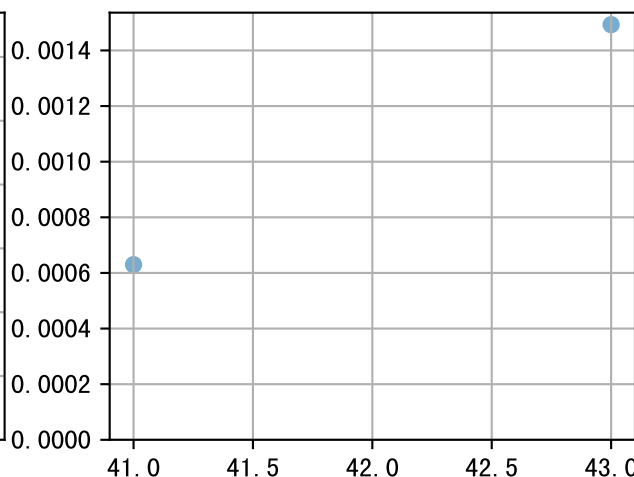
P3-2-55-28T1Fr5 (fit failed)



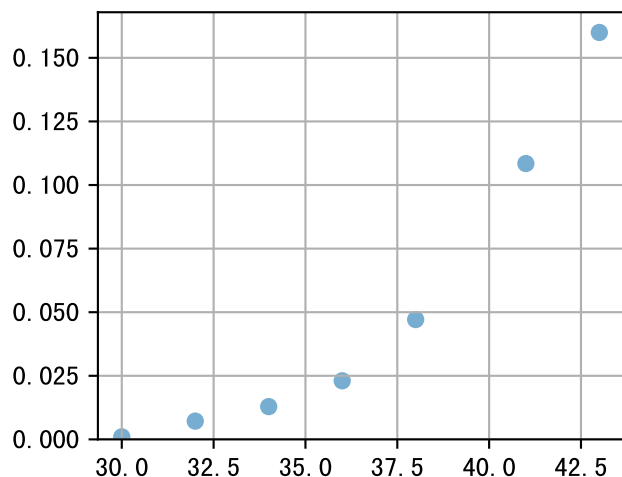
P3-2-55-28T2Fr1 (fit failed)



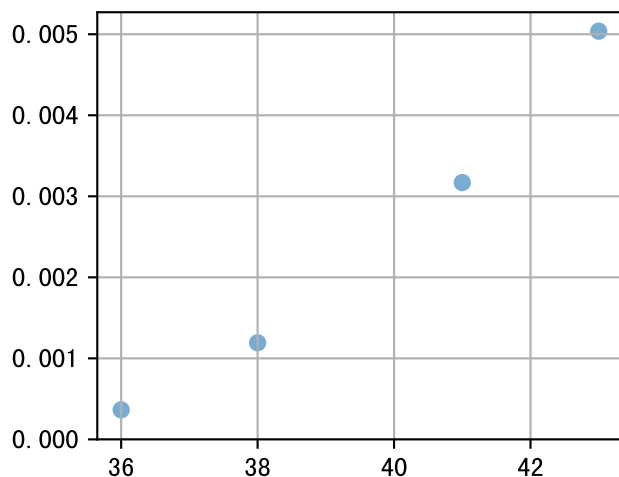
P3-2-55-28T2Fr5 (fit failed)



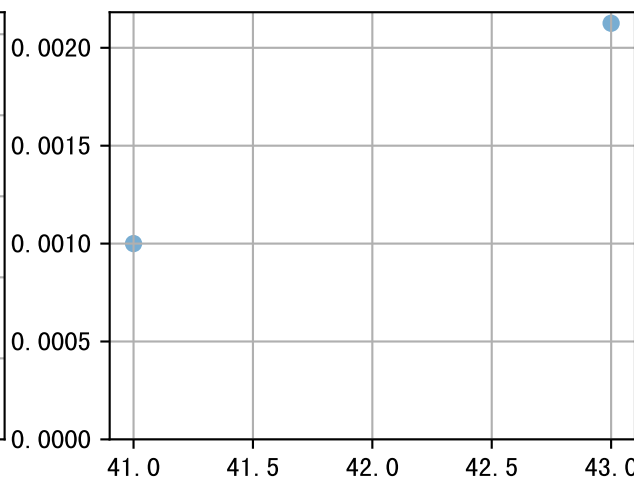
P3-2-9-8T1Fr1 (fit failed)



P3-2-9-8T1Fr5 (fit failed)

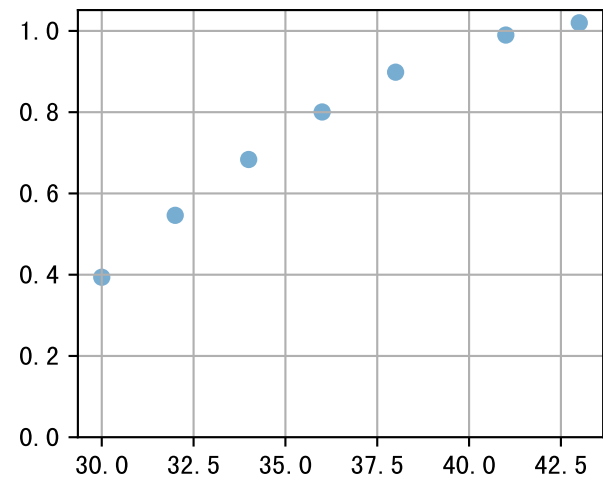


P3-2-9-8T2Fr1 (fit failed)

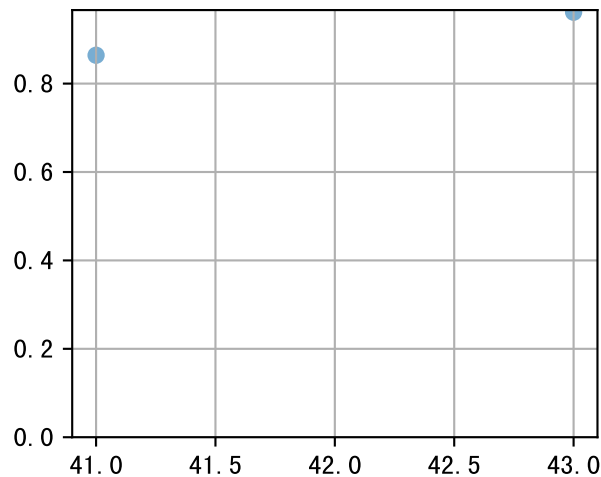


LFA

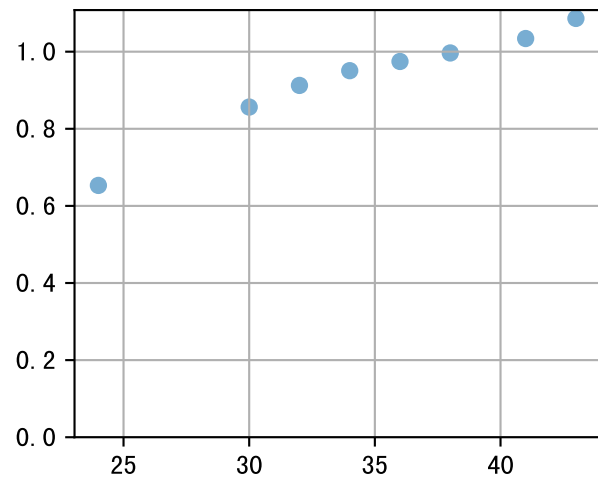
P3-2-16-21L10 (fit failed)



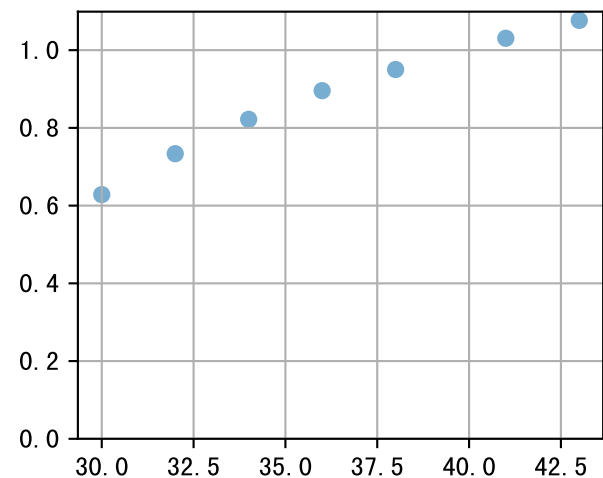
P3-2-16-21L13 (fit failed)



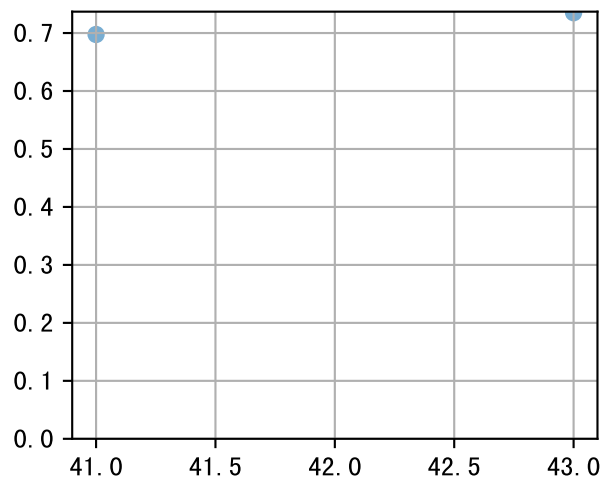
P3-2-16-21L7 (fit failed)



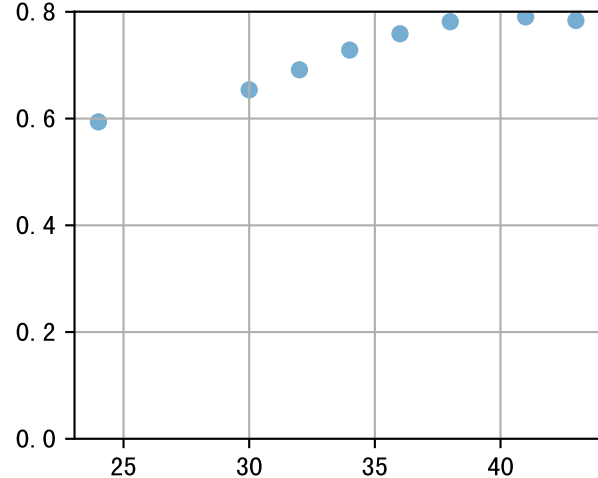
P3-2-24-18L10 (fit failed)



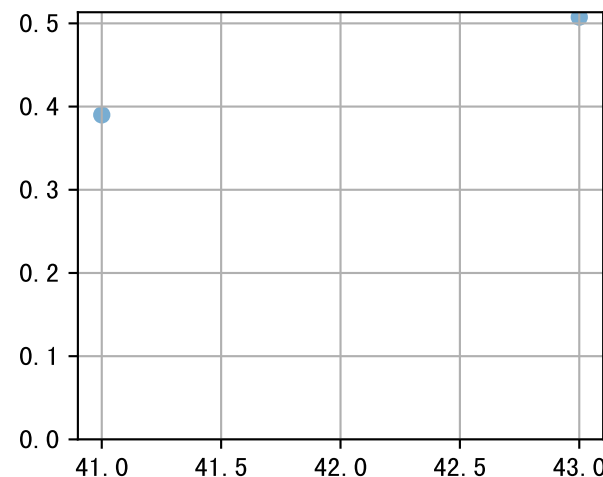
P3-2-24-18L13 (fit failed)



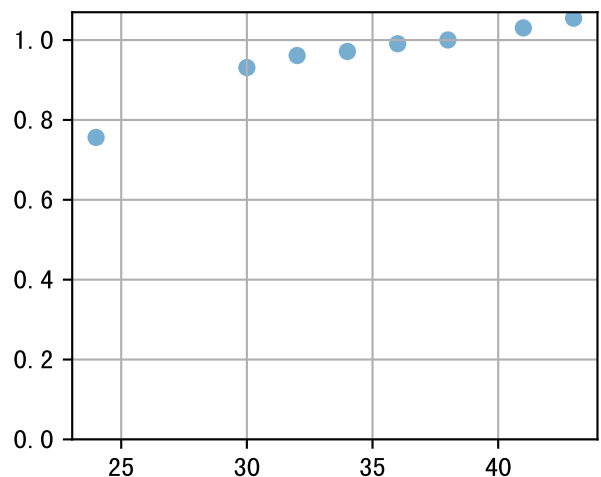
P3-2-24-18L6 (fit failed)



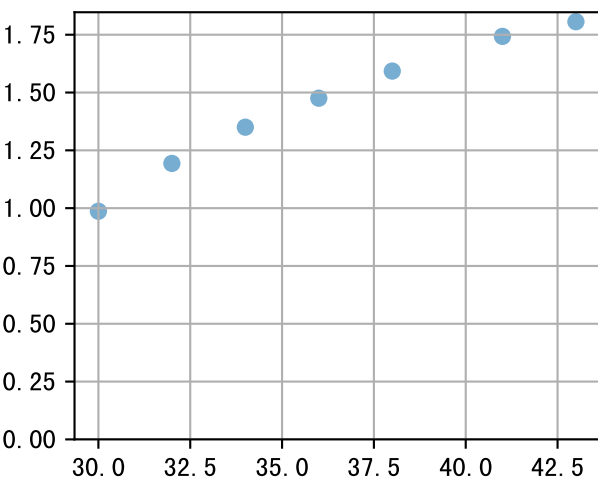
P3-2-40-6L12 (fit failed)



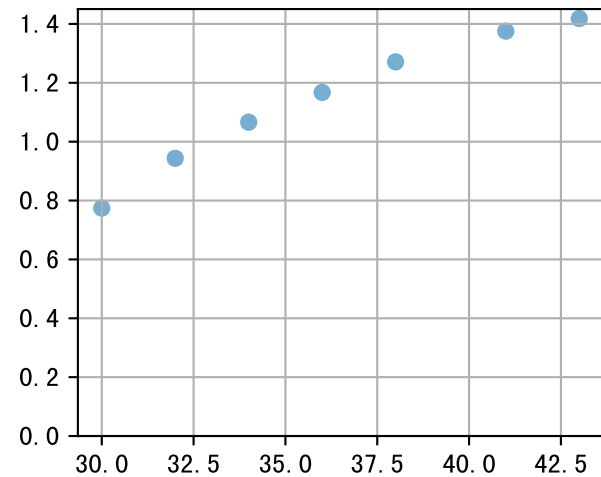
P3-2-40-6L6 (fit failed)



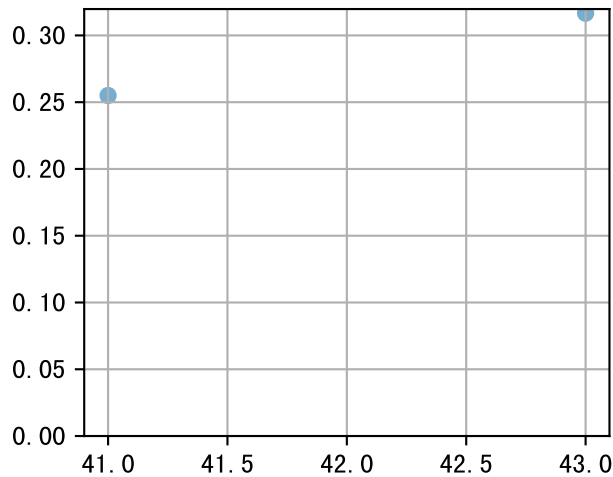
P3-2-40-6L9 (fit failed)



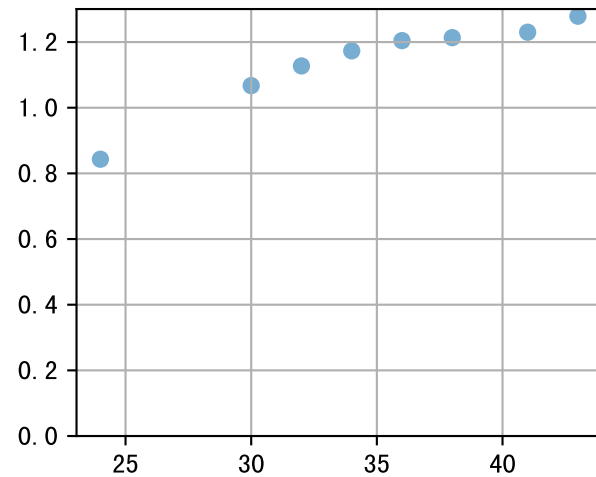
P3-2-55-28L10 (fit failed)



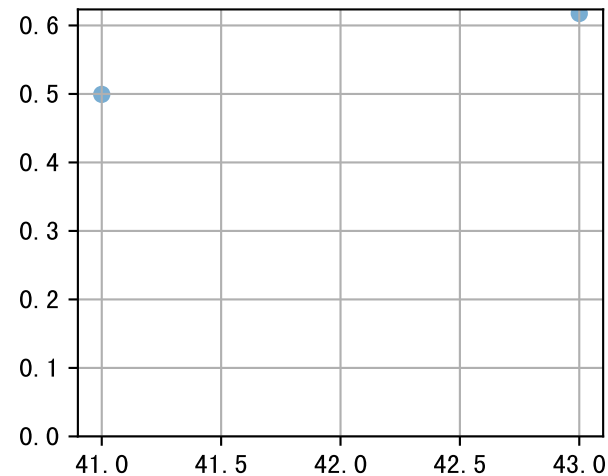
P3-2-55-28L13 (fit failed)



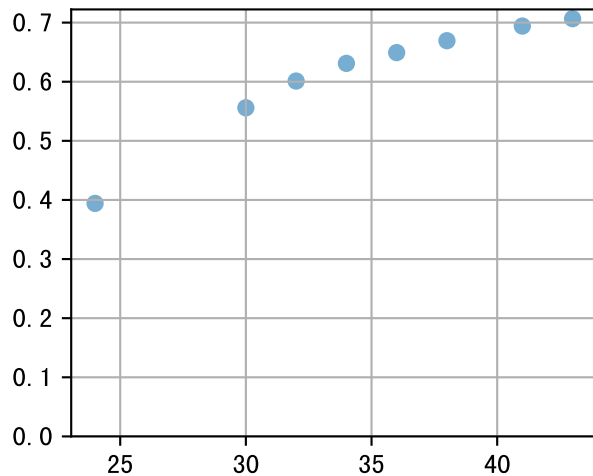
P3-2-55-28L7 (fit failed)



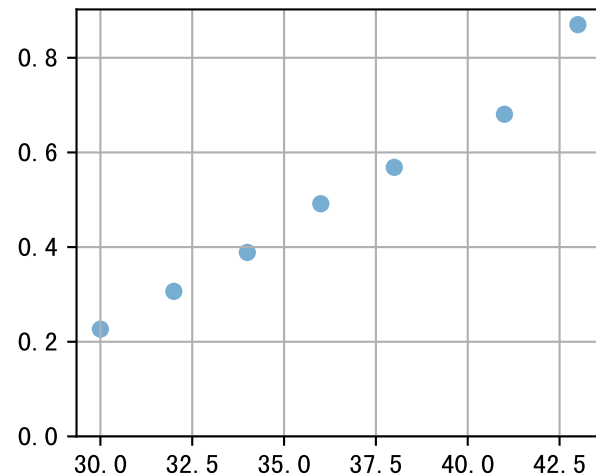
P3-2-9-8L12 (fit failed)

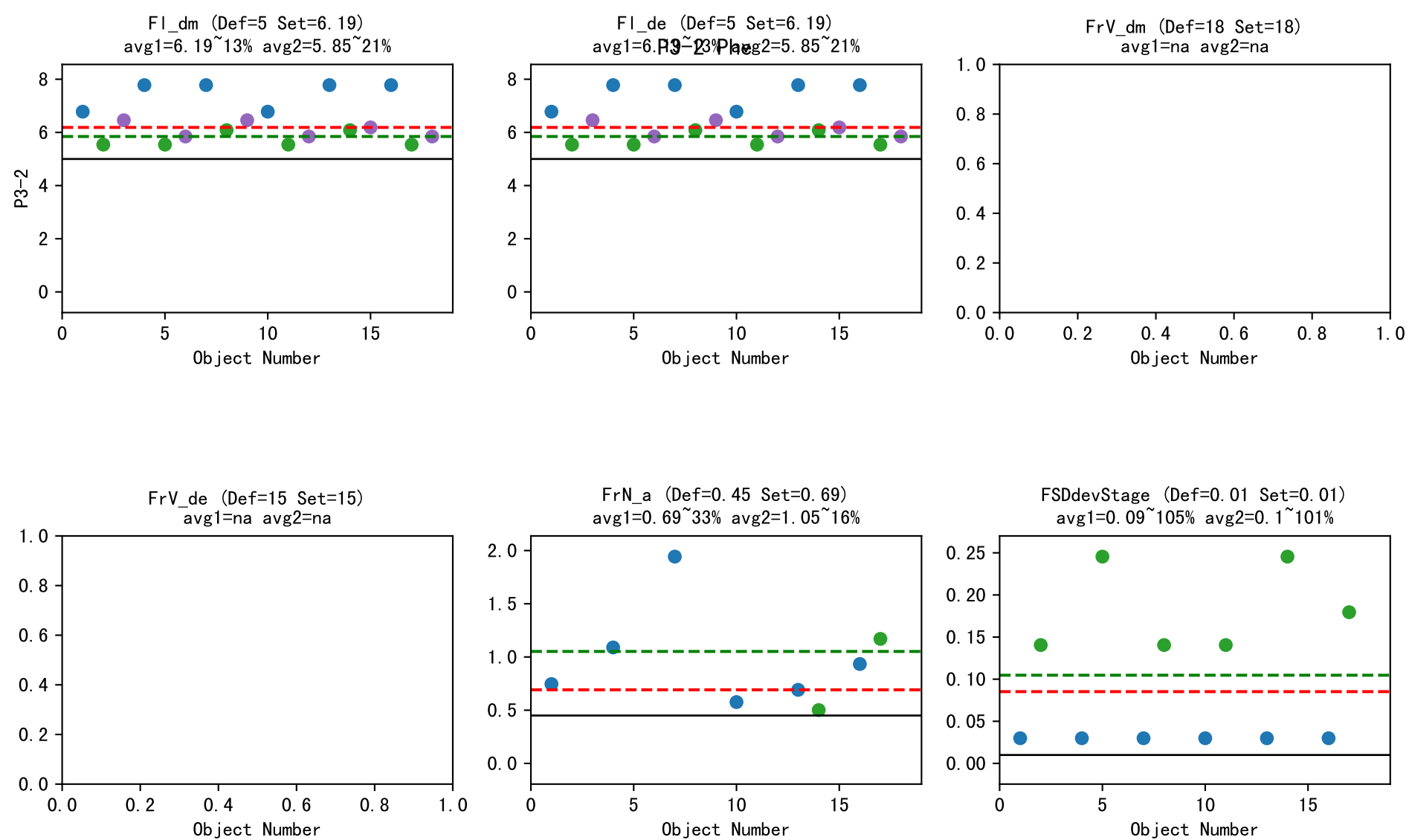


P3-2-9-8L6 (fit failed)

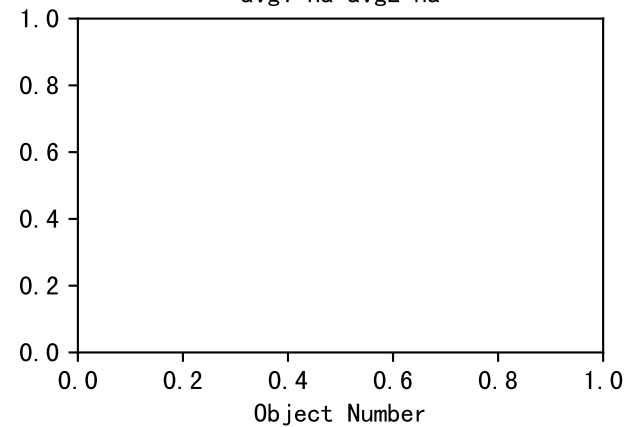


P3-2-9-8L9 (fit failed)

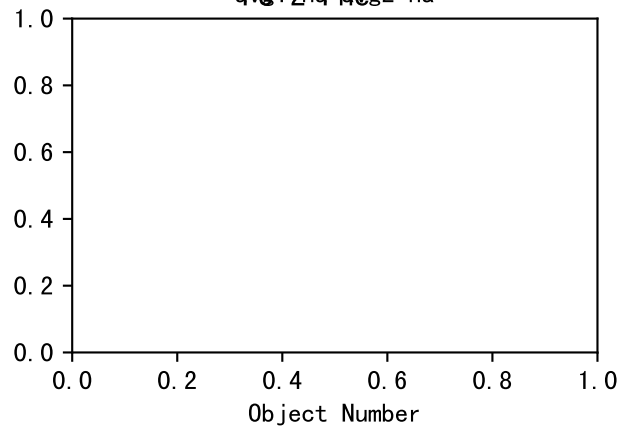




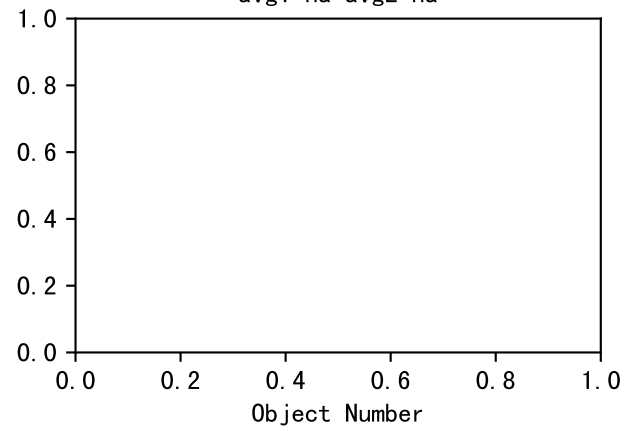
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



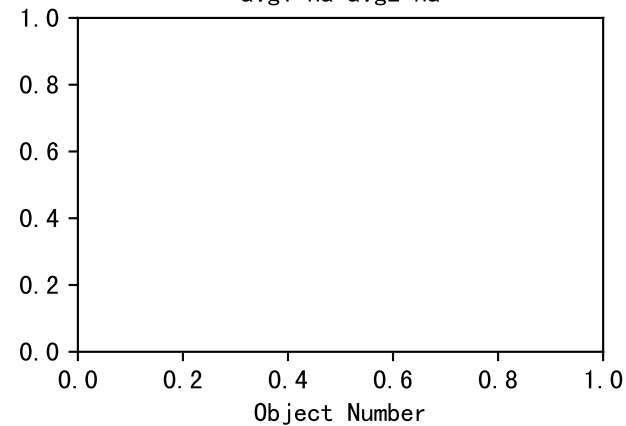
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



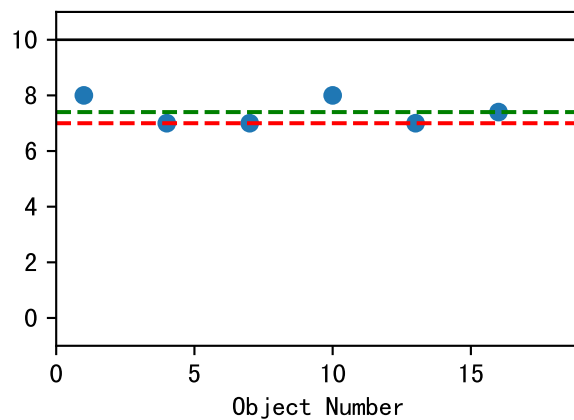
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

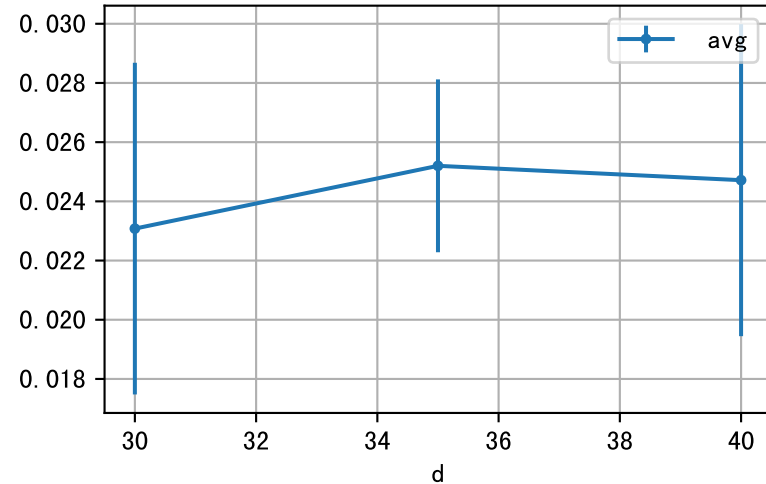


NNgen (Def=10 Set=7)
avg1=7.0~8% avg2=7.4

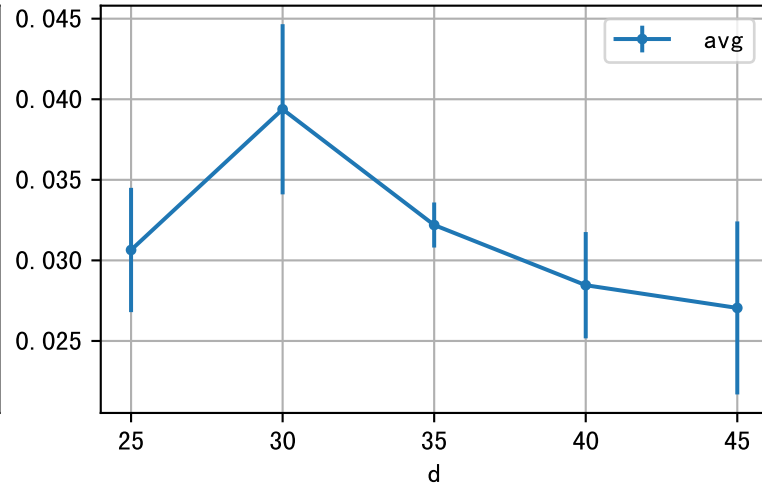


LfA: avg vs. d at each age group

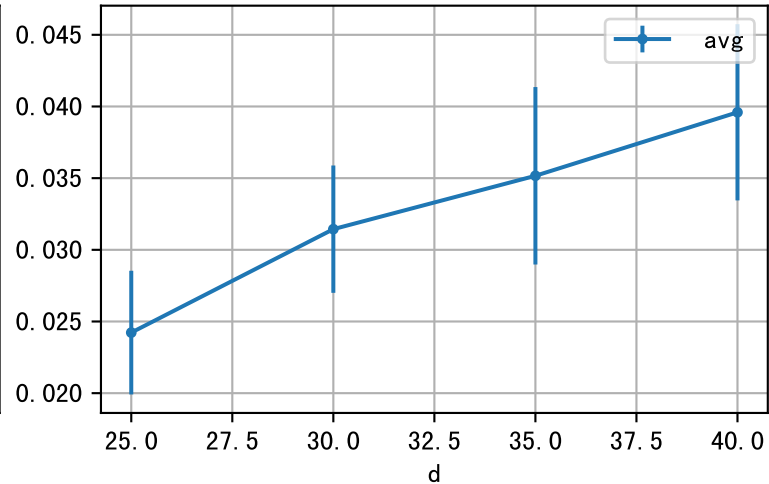
age=20



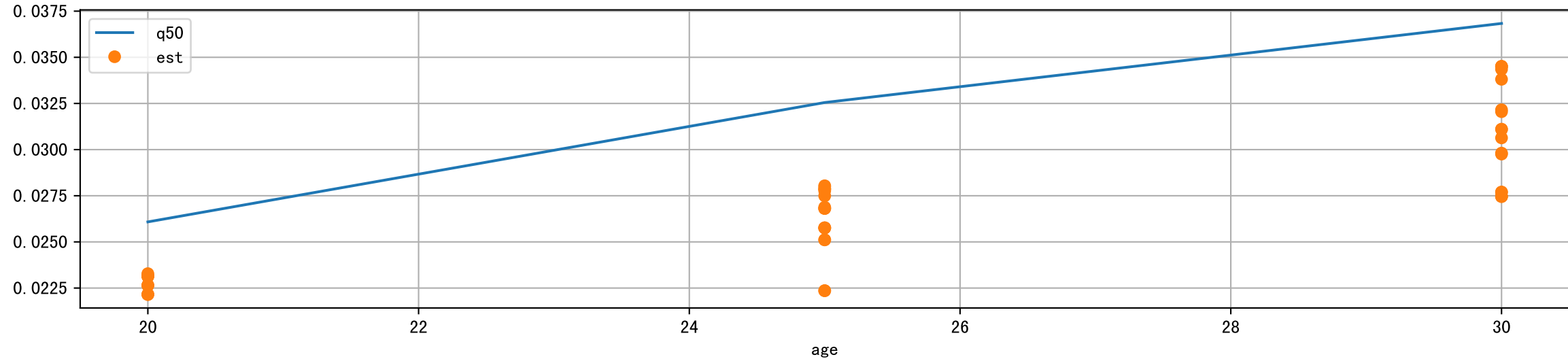
age=25



age=30



LfA: model est vs obs0v@Q50

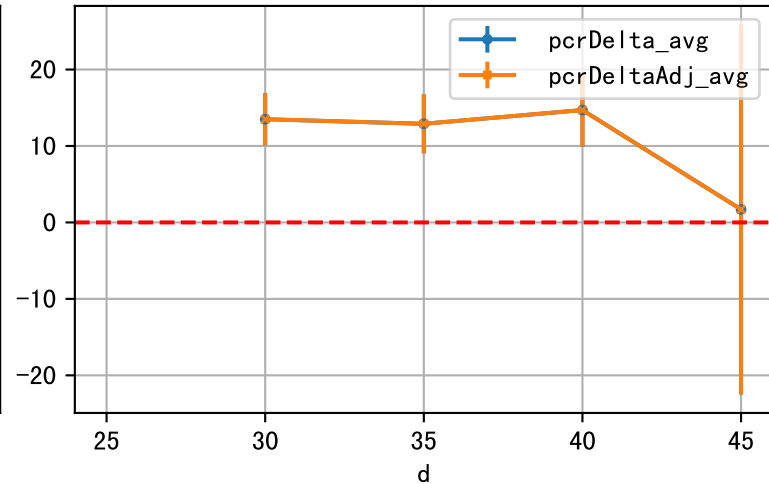
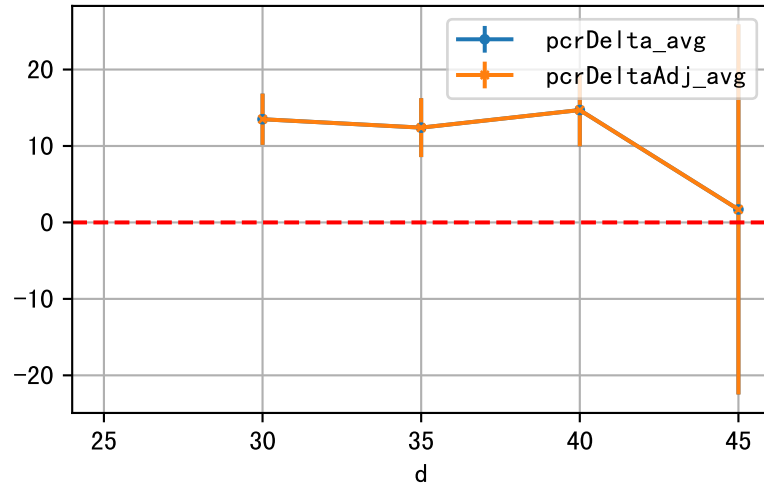
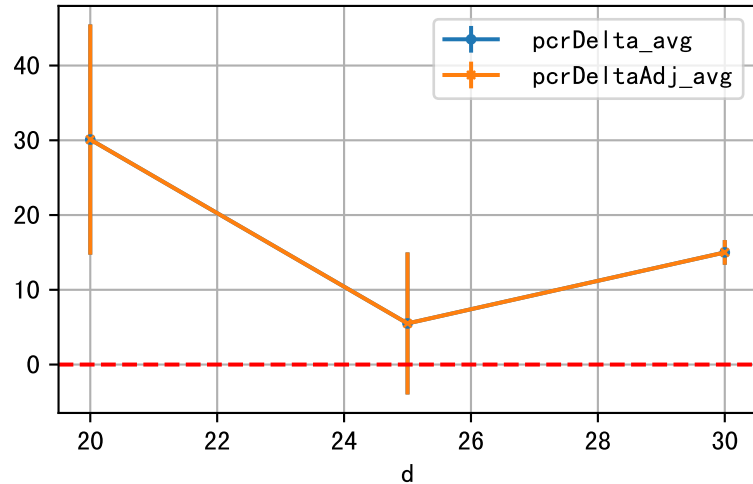


P3-2 LfA: D_5d_LfA

DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

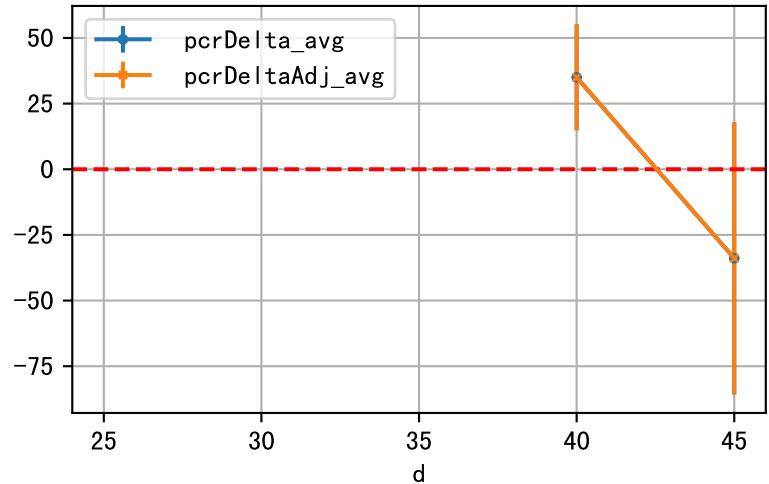
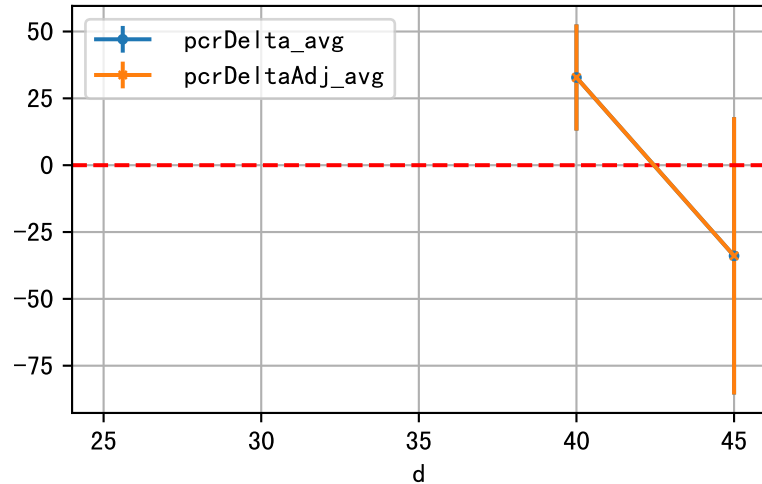
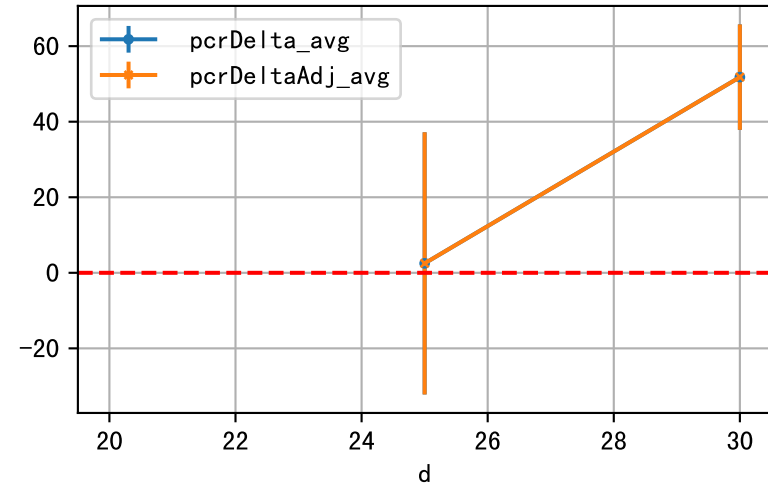


P3-2 LfA: D_15d_LfA

DeltaTypeAbbr=GrpByAge

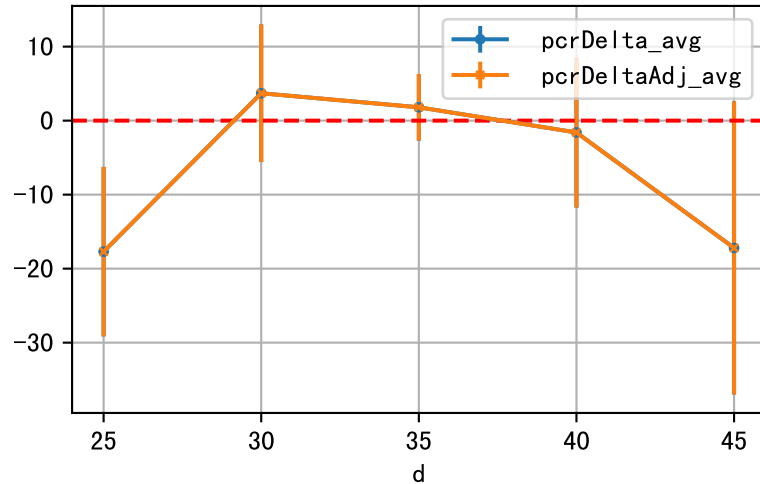
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

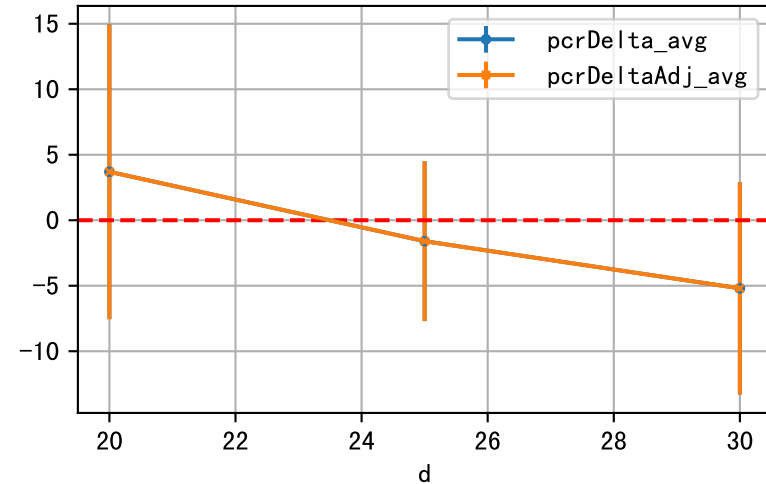


P3-2 LfA: D_Q50_LfA

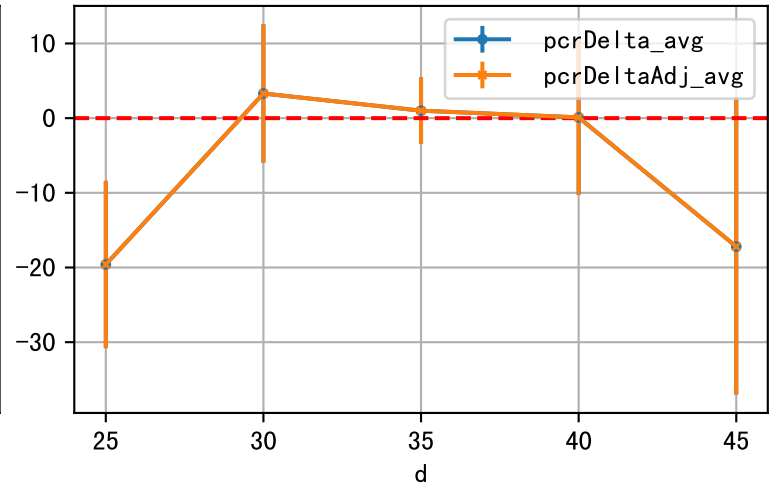
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

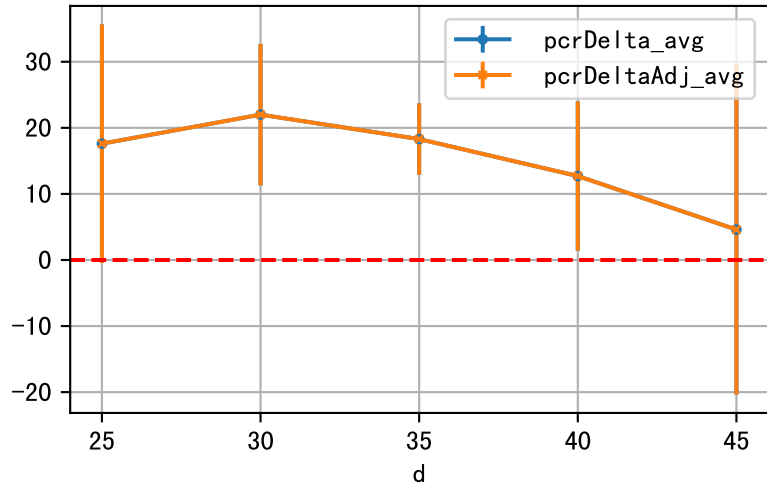


DeltaTypeAbbr=Wei AvgByD

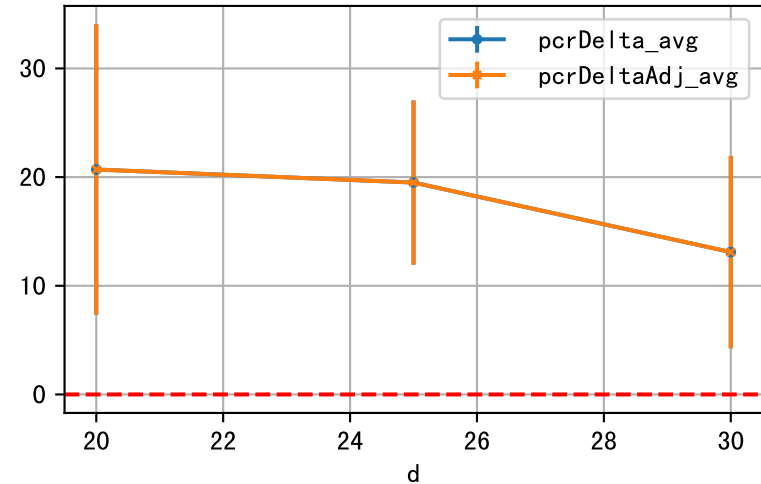


P3-2 LfA: D_Est_LfA

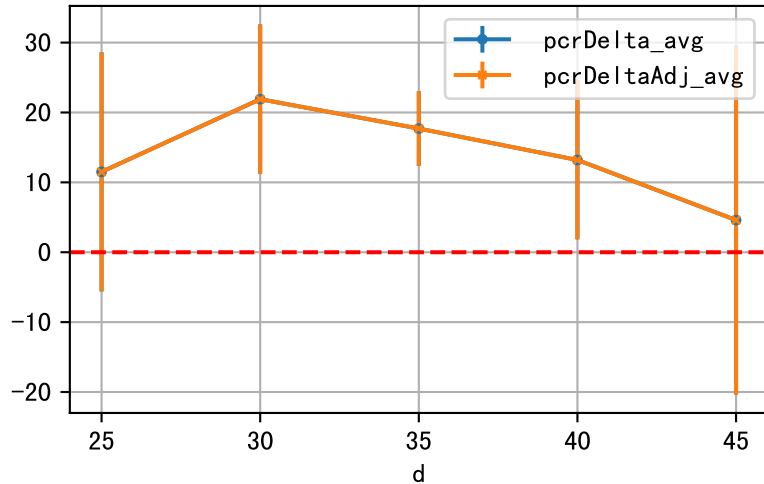
DeltaTypeAbbr=GrpByDay



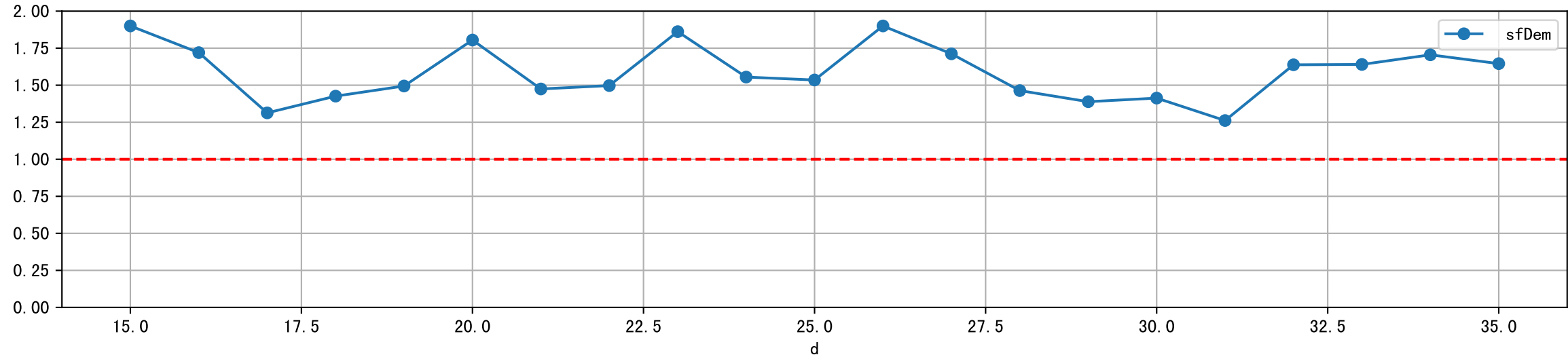
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD



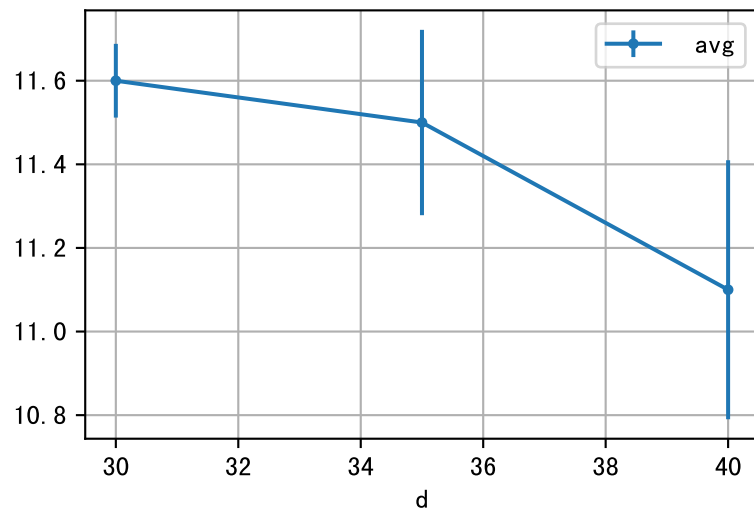
LfA: sfDem



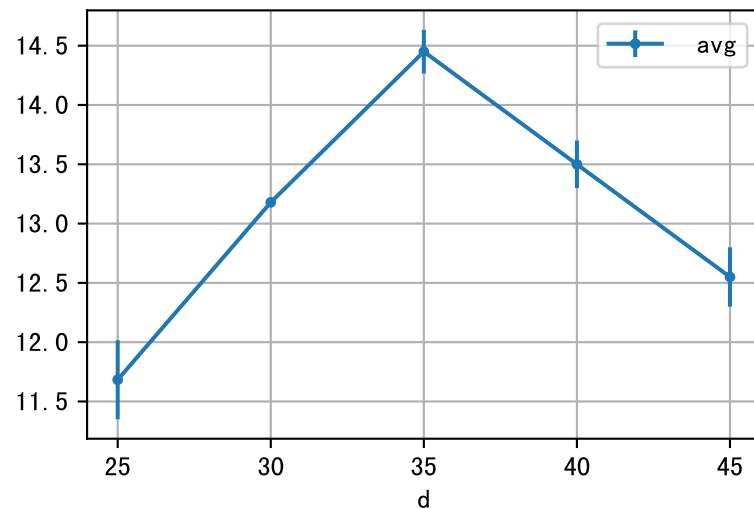


NdD: avg vs. d at each age group

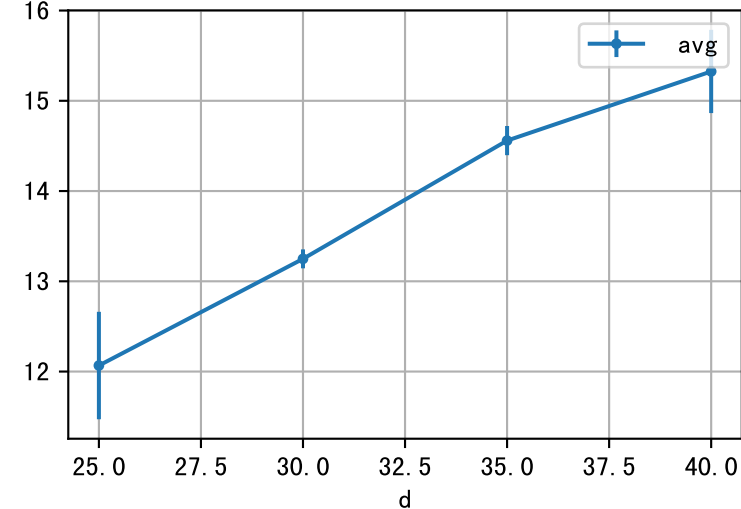
age=20



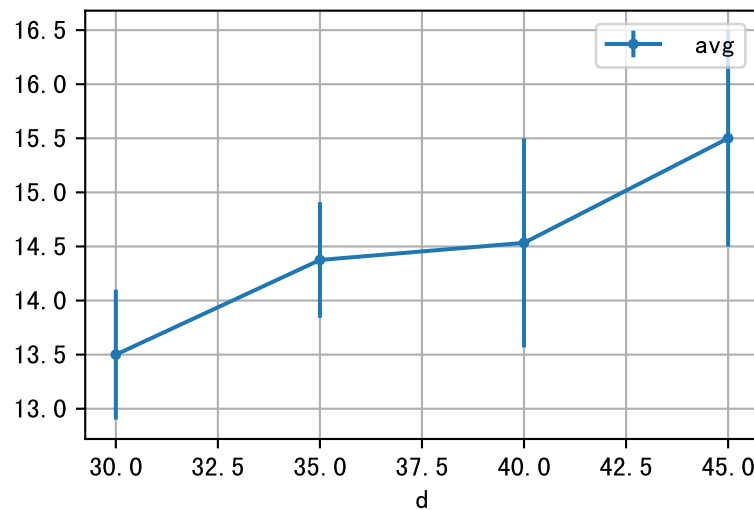
age=25



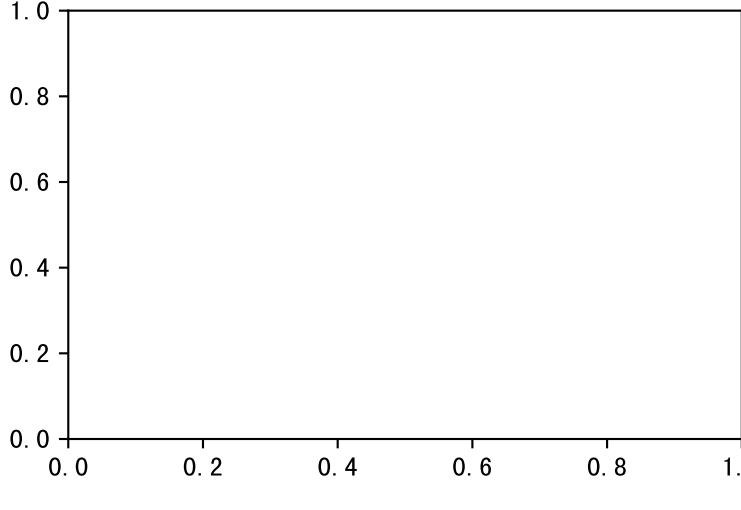
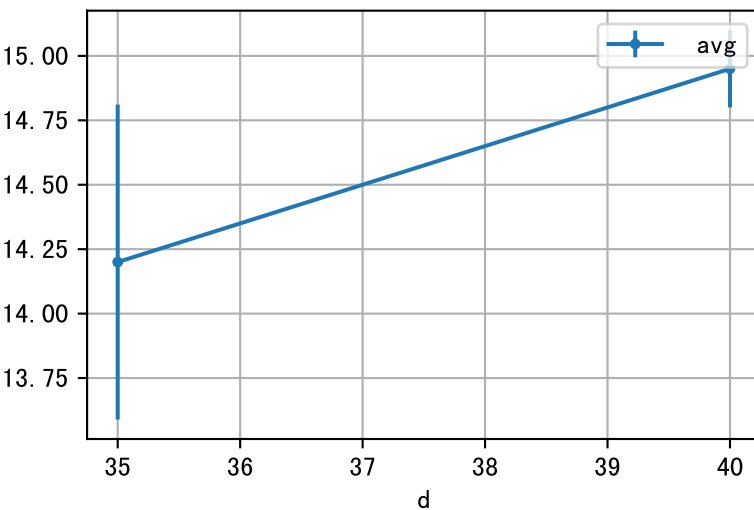
age=30



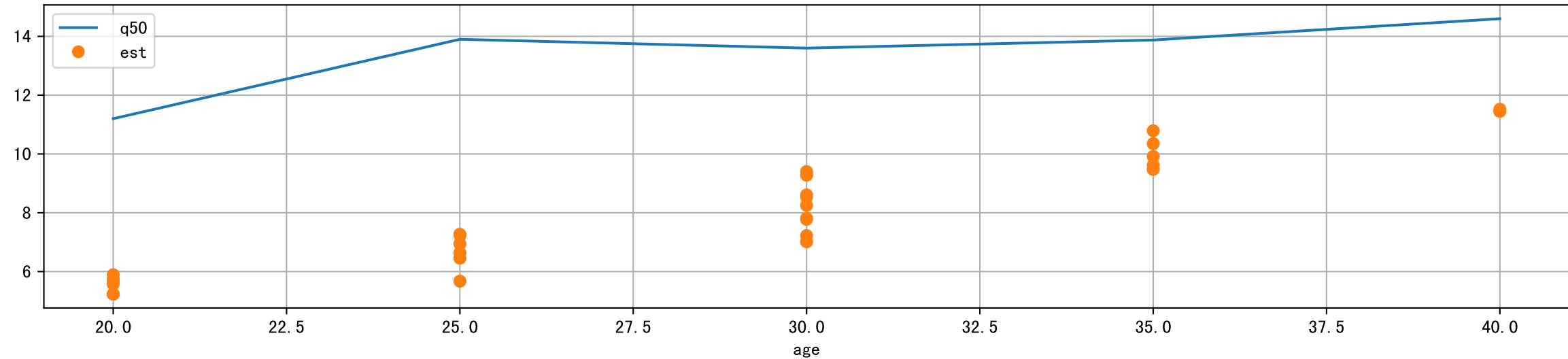
age=35



age=40

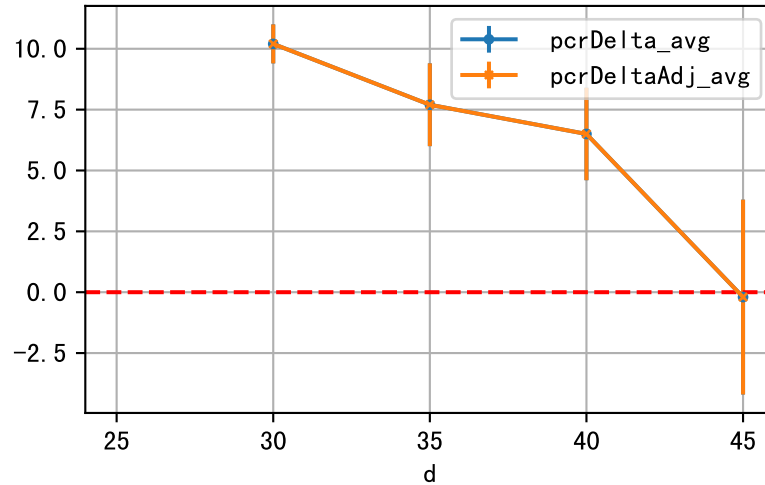


NdD: model est vs obs0v@Q50

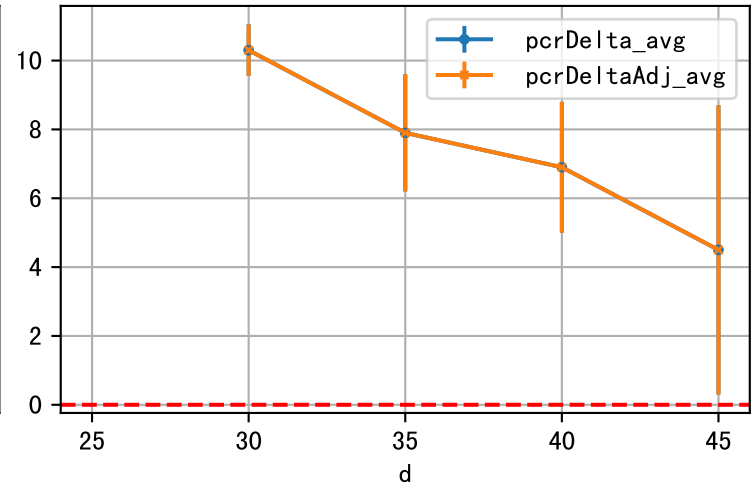


P3-2 NdD: D_5d_NdD

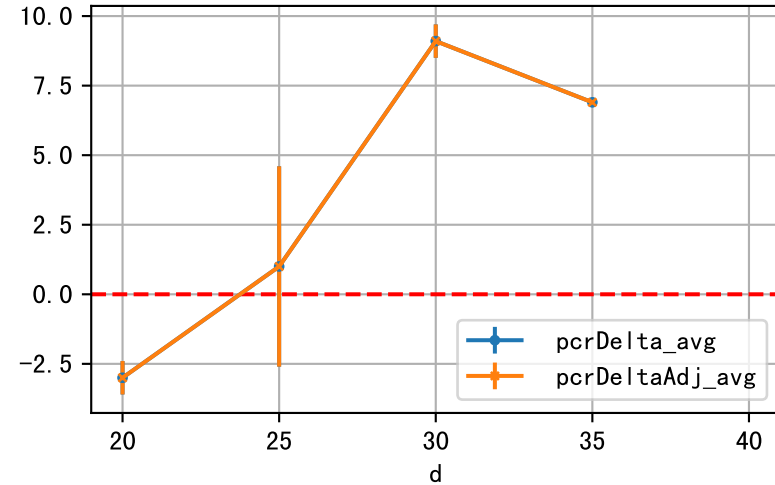
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge

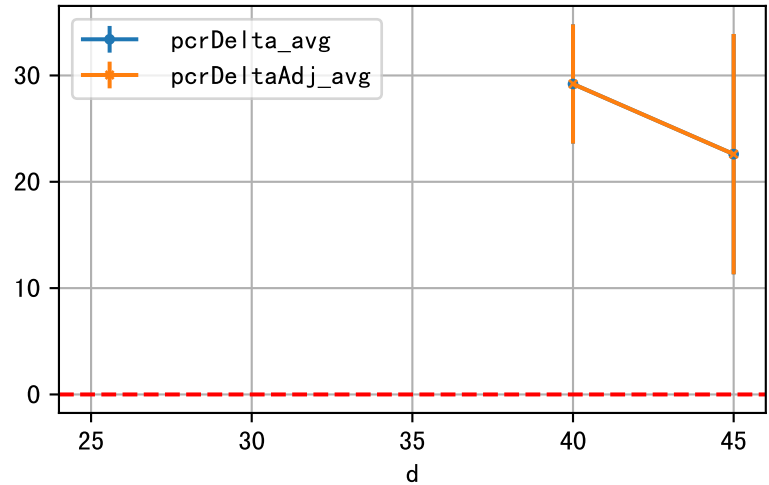
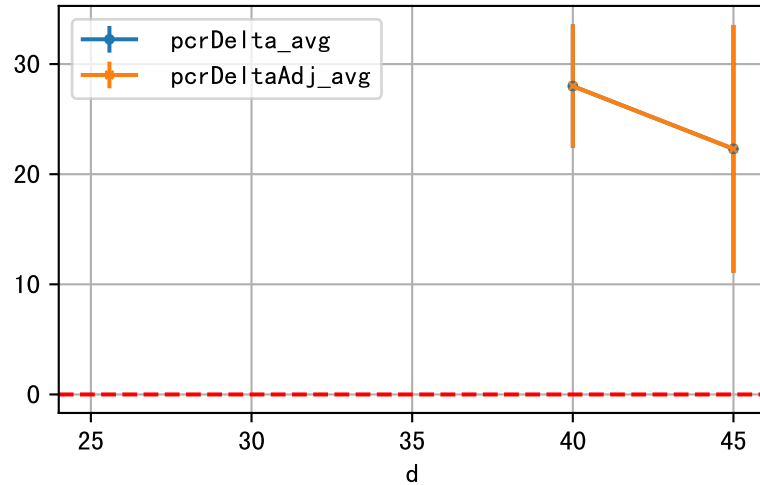
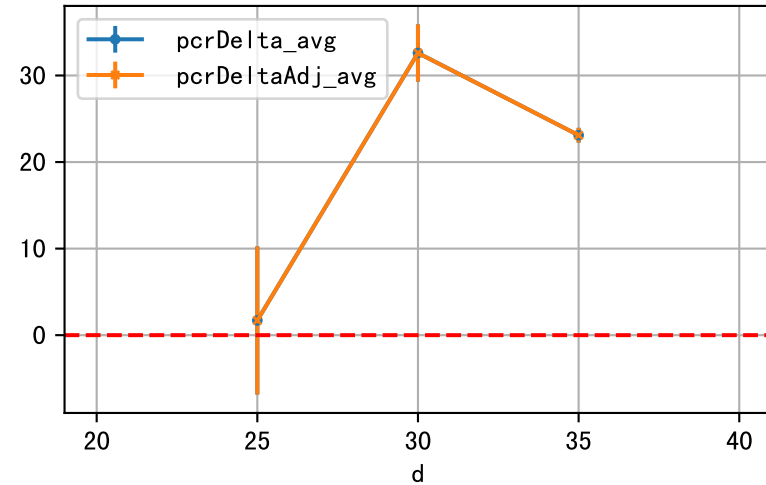


P3-2 NdD: D_15d_NdD

DeltaTypeAbbr=GrpByAge

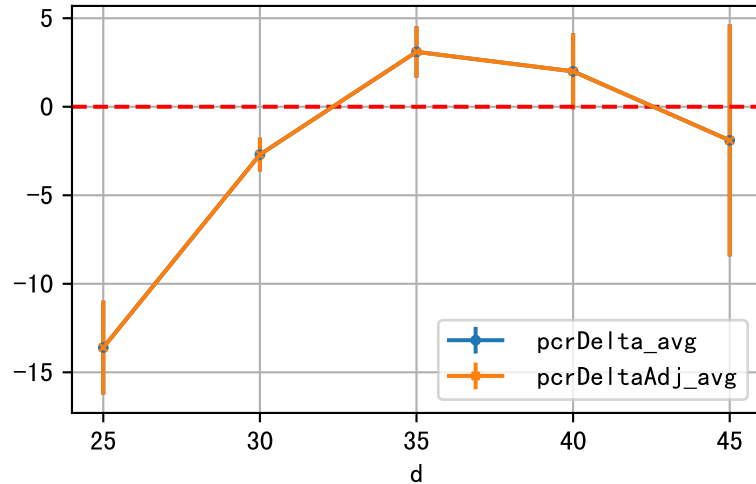
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

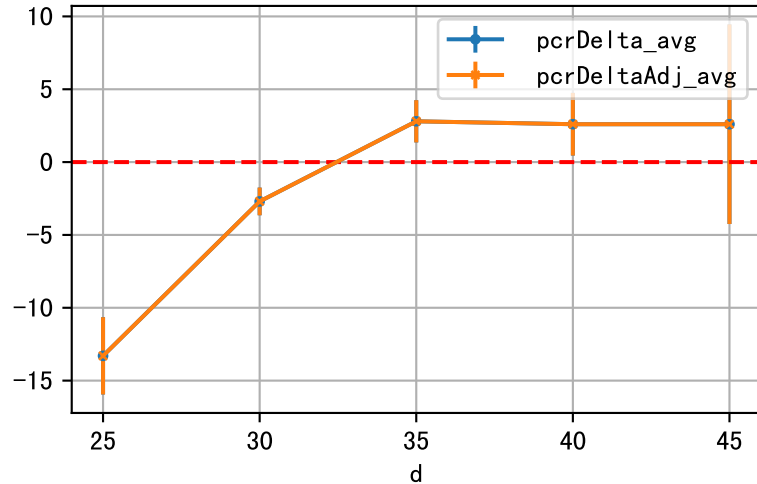


P3-2 NdD: D_Q50_NdD

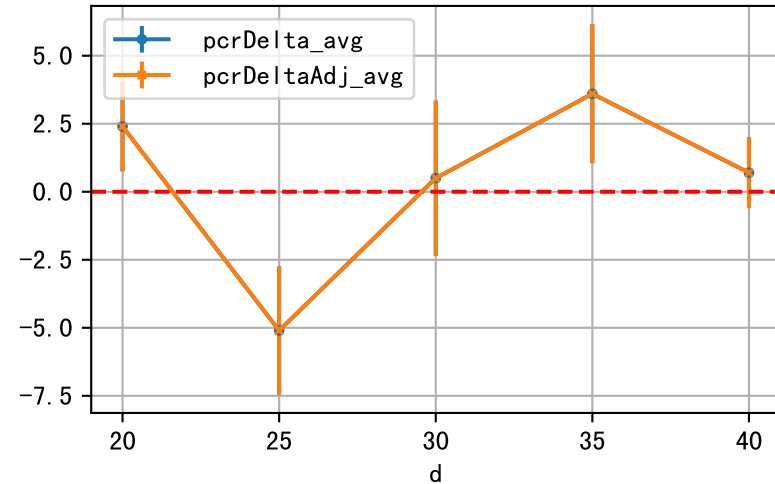
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge

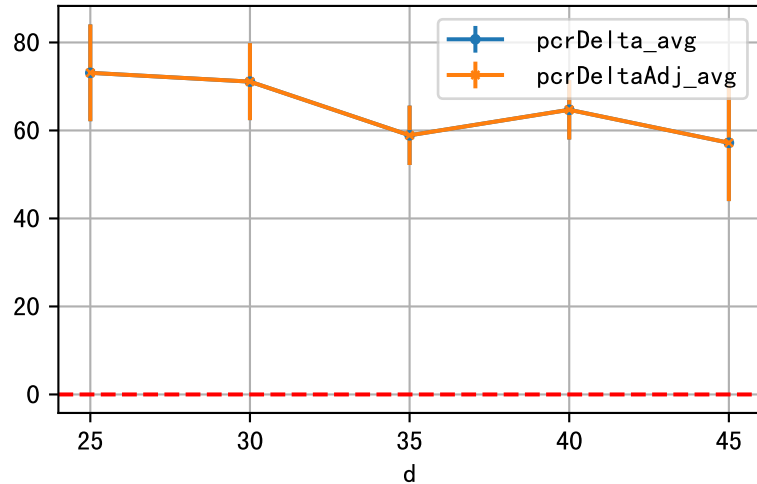
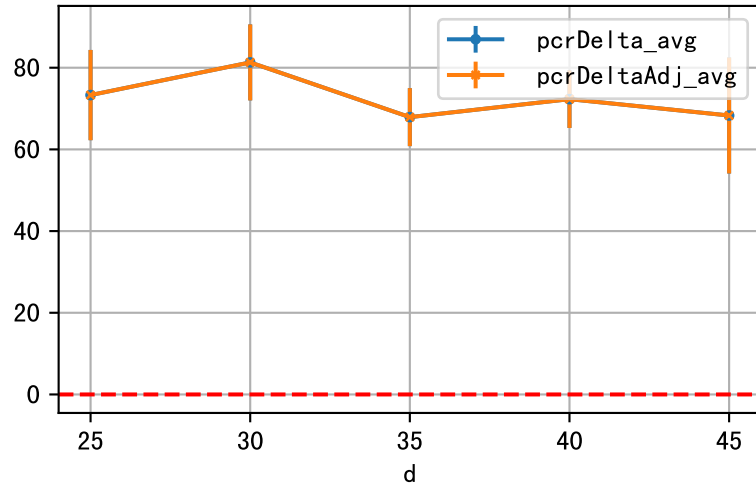
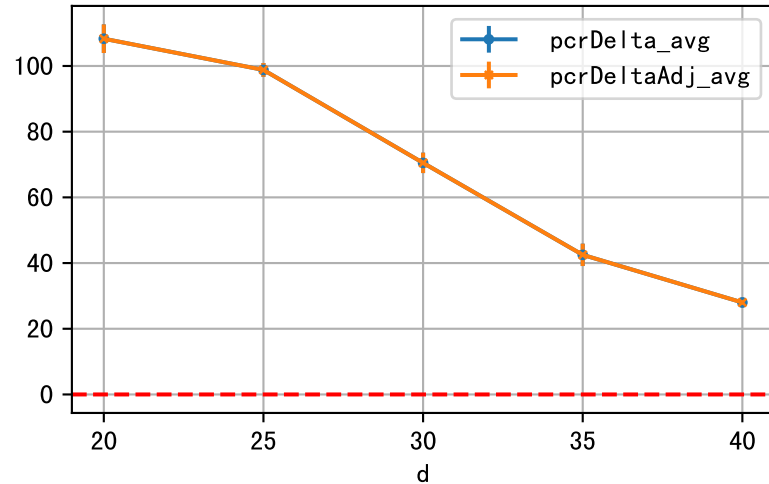


P3-2 NdD: D_Est_NdD

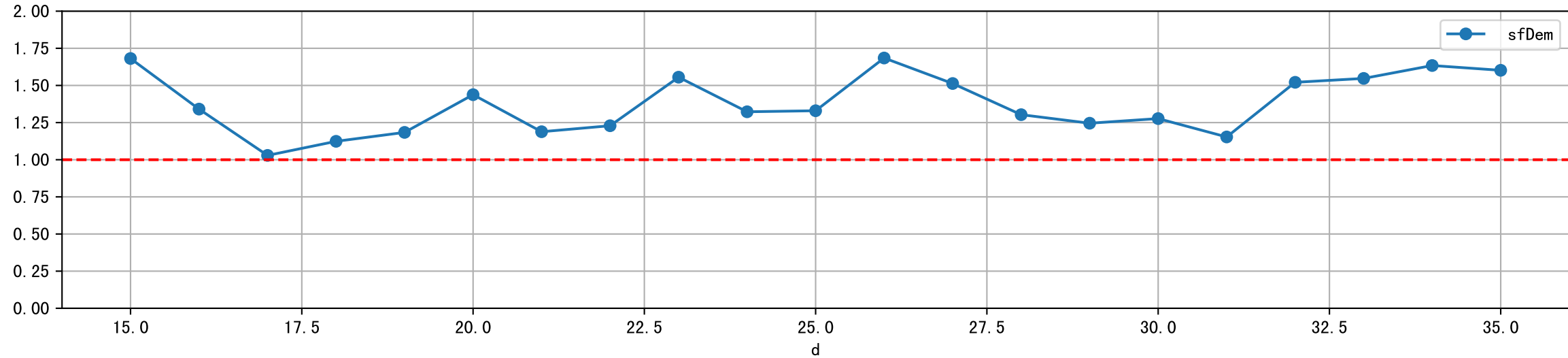
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

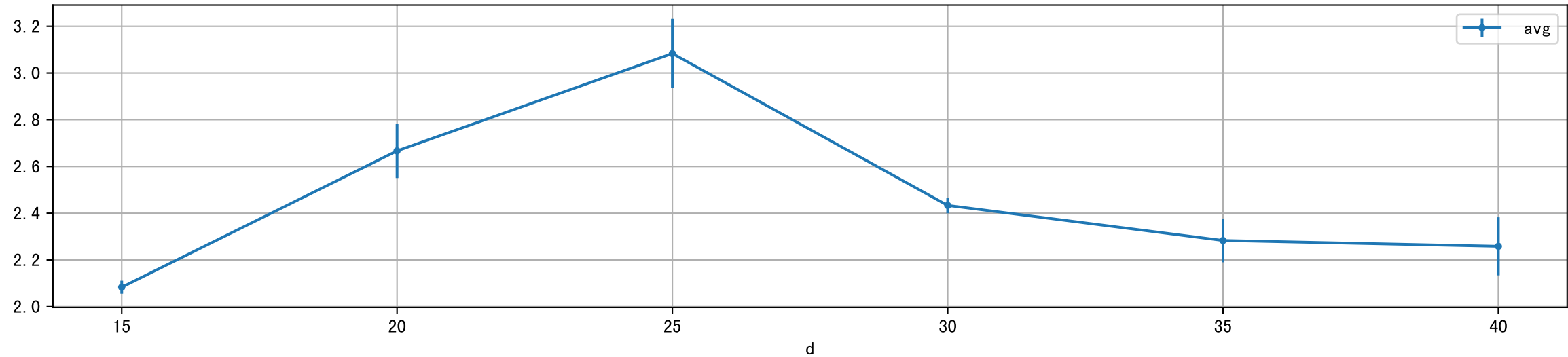


NdD: sfDem

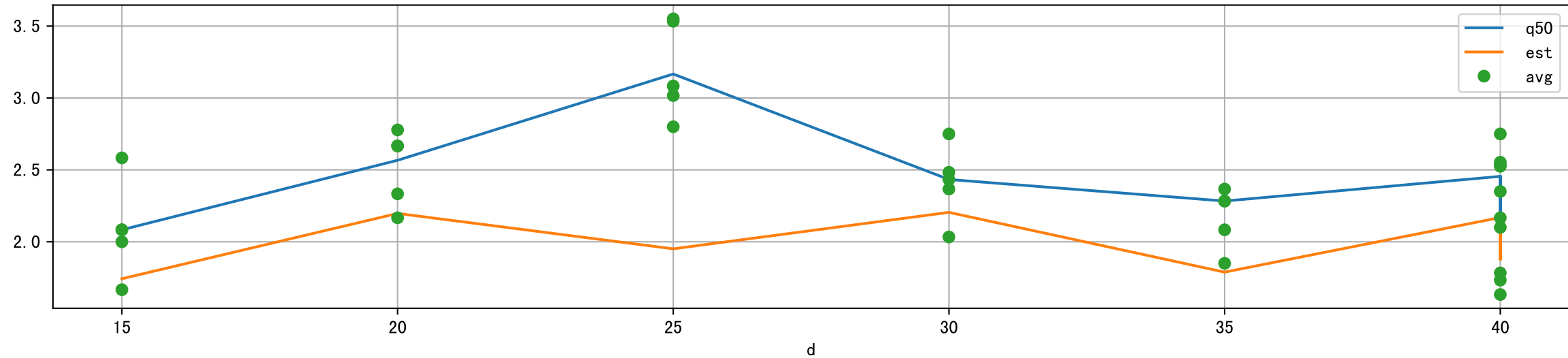




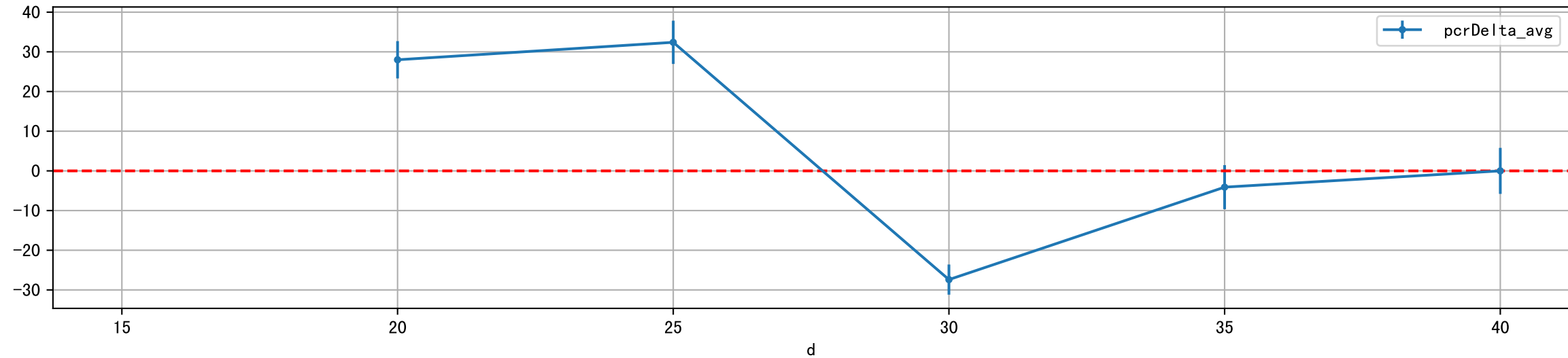
dStH: avg vs. d



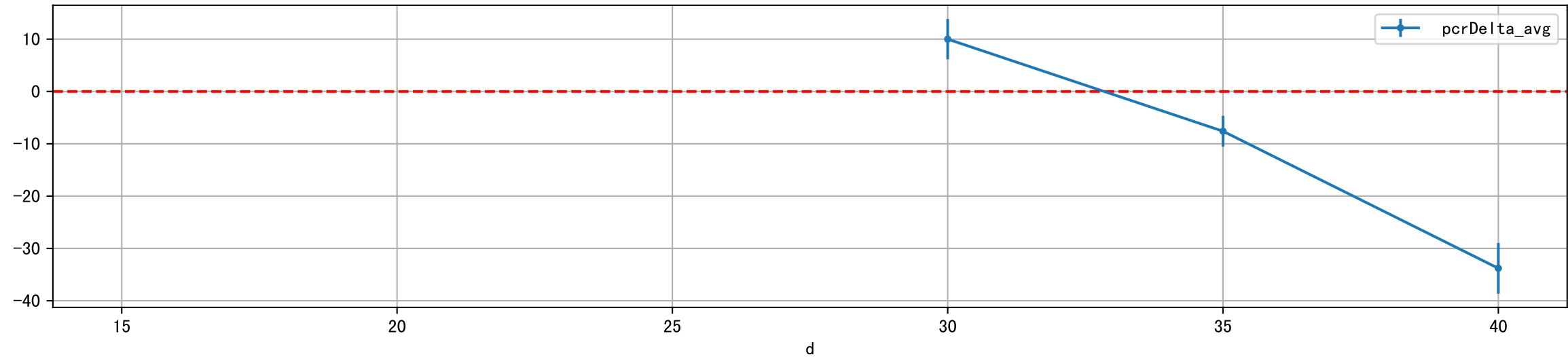
dStH: obsAvg vs obs0v@Q50



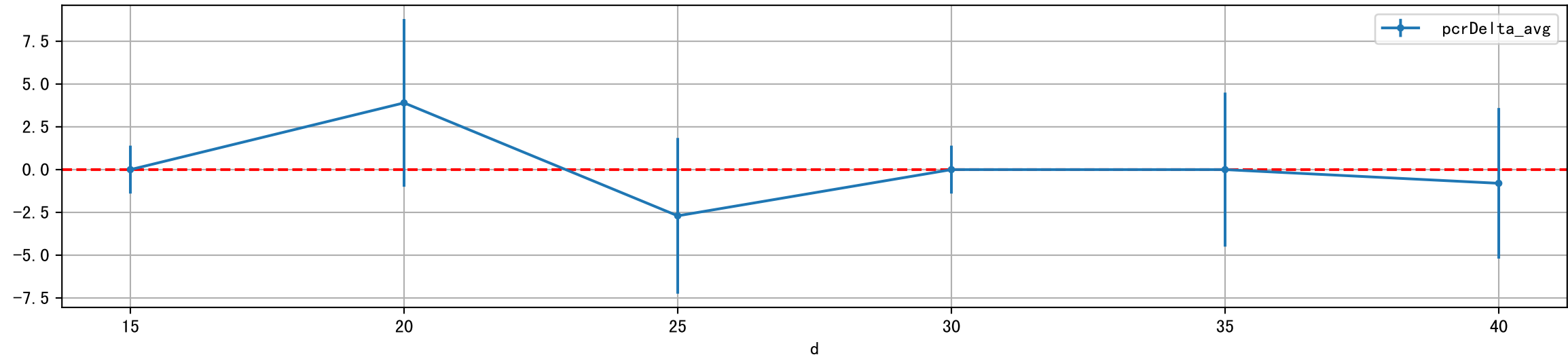
dStH: D_5d_StH



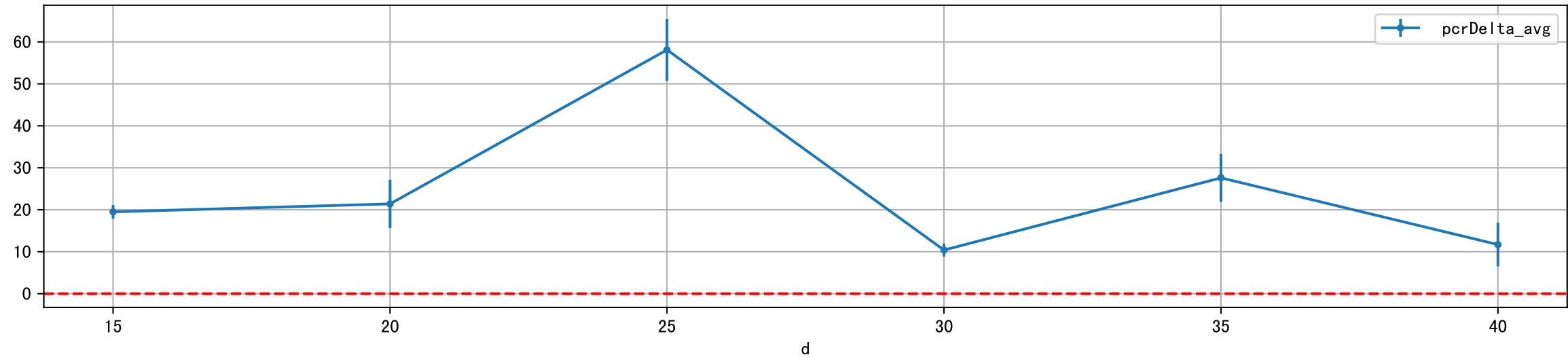
dStH: D_15d_StH



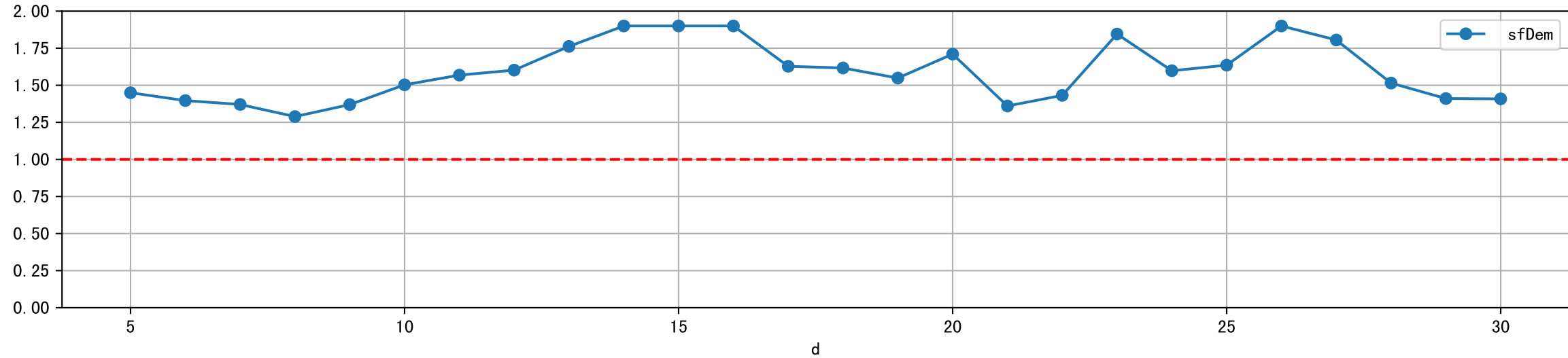
dStH: D_Q50_StH



dStH: D_Est_StH

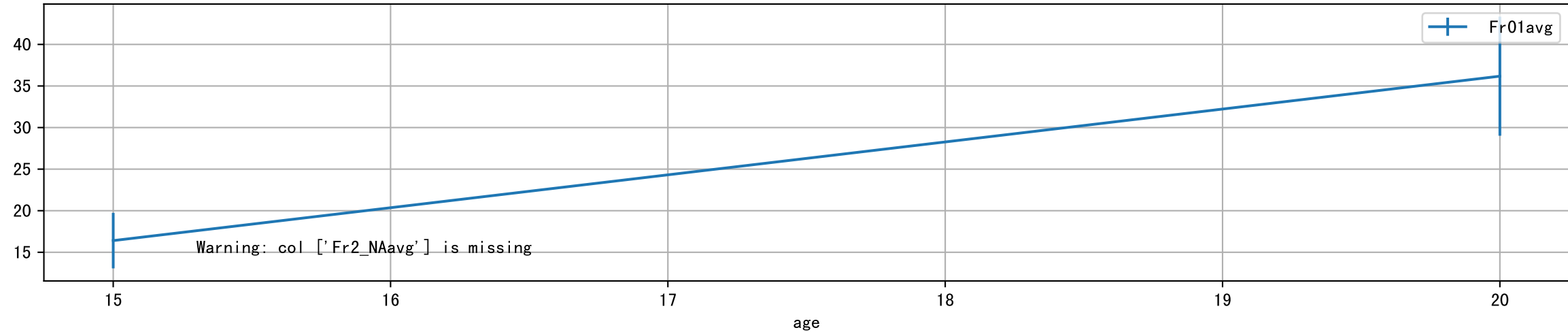


dStH: sfDem



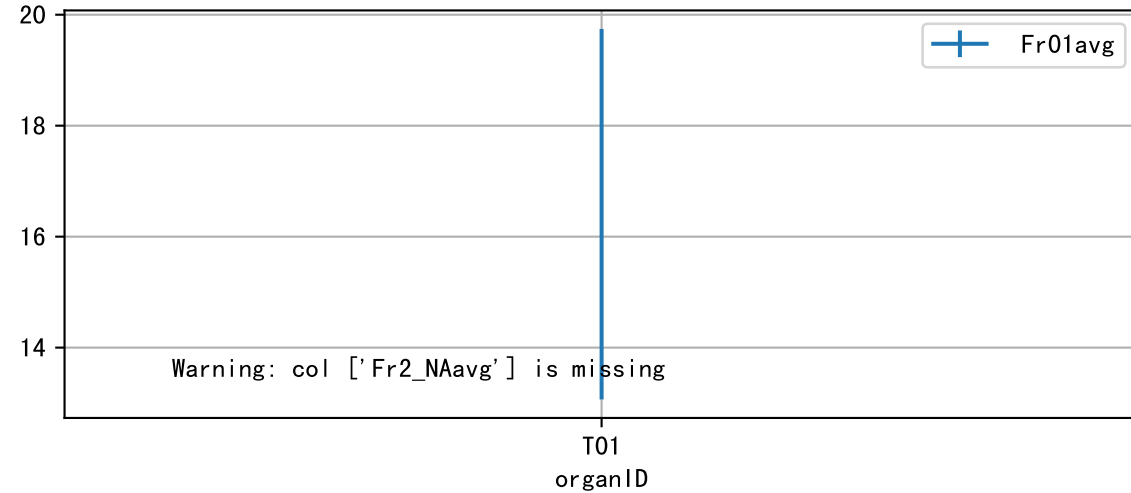


FrV: Fr01 vs Fr2_NA at each truss
organID=T01

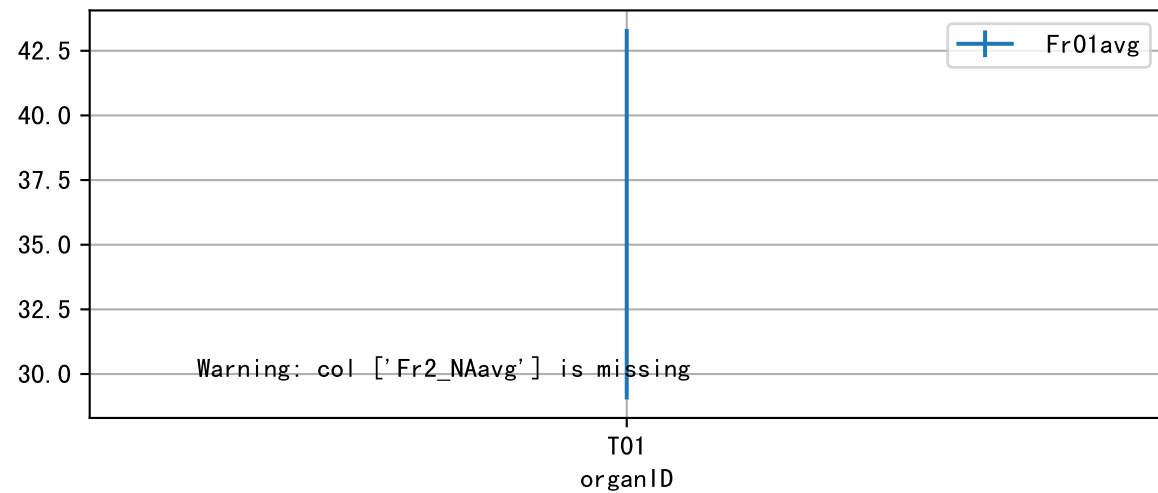


FrV trend at each age

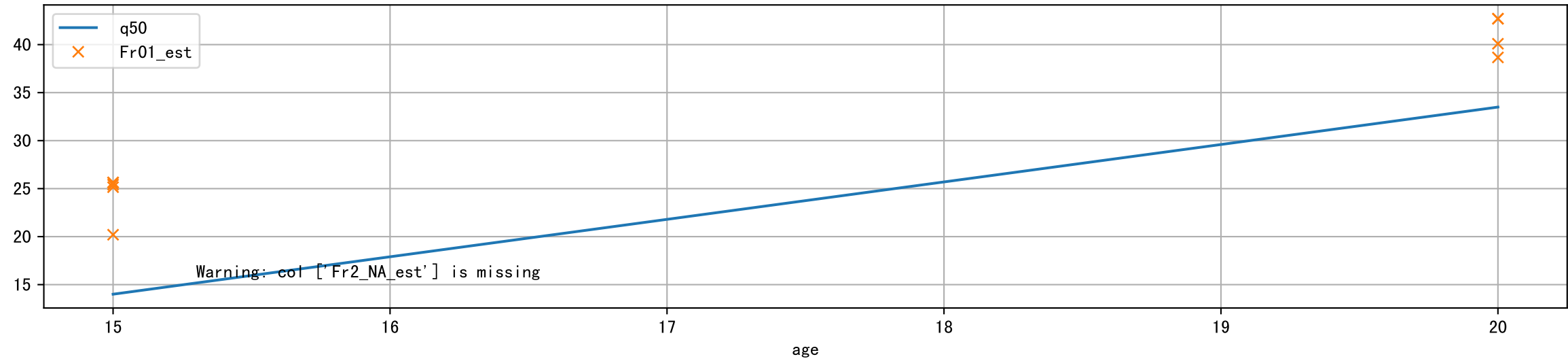
age=15



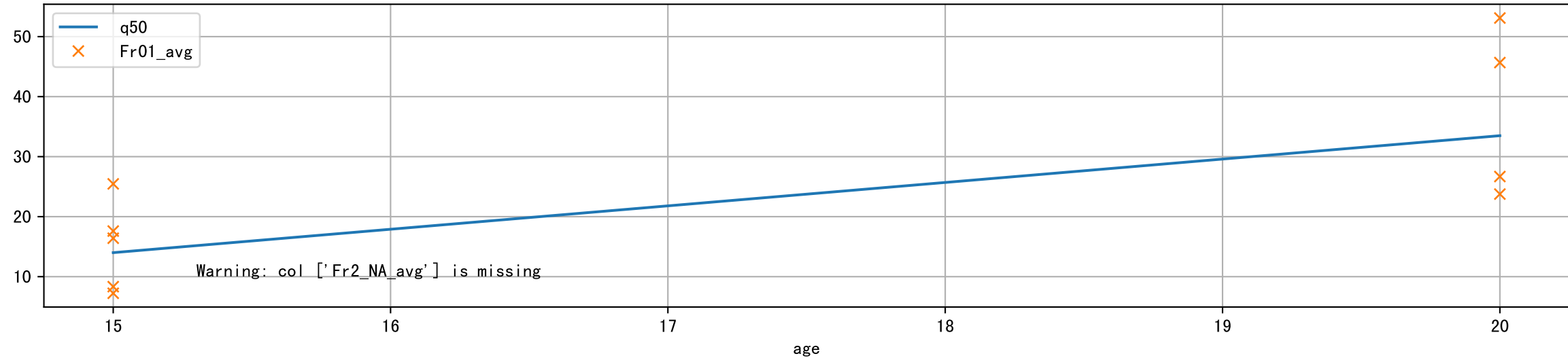
age=20



FrV: model Est vs obsFrV at Q90

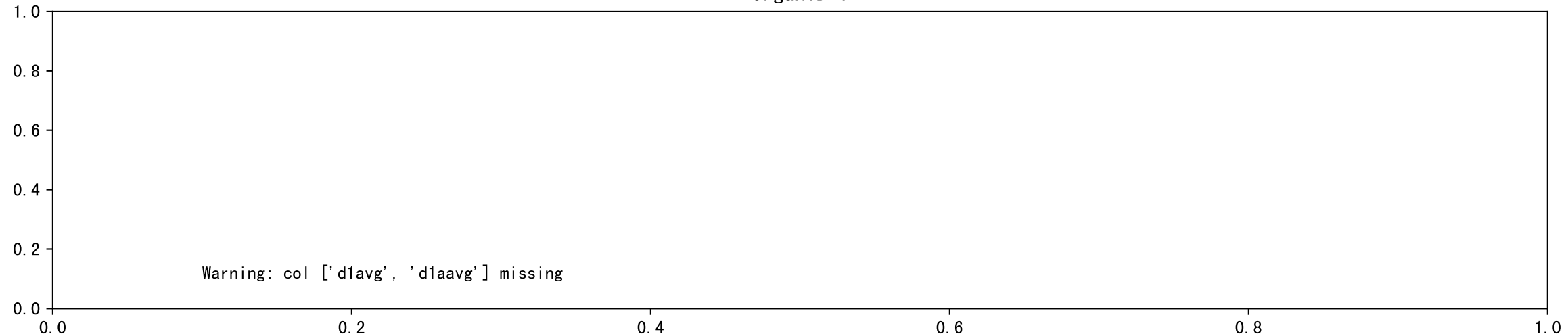


FrV: obsFrV vs obsFrV@Q90



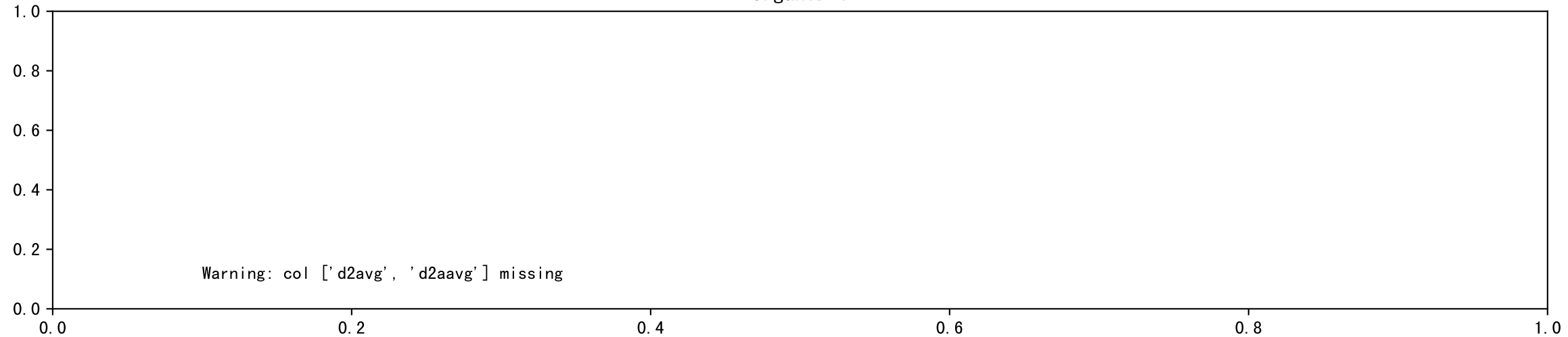
FrV: D_Fr1_FrV
organID=1

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

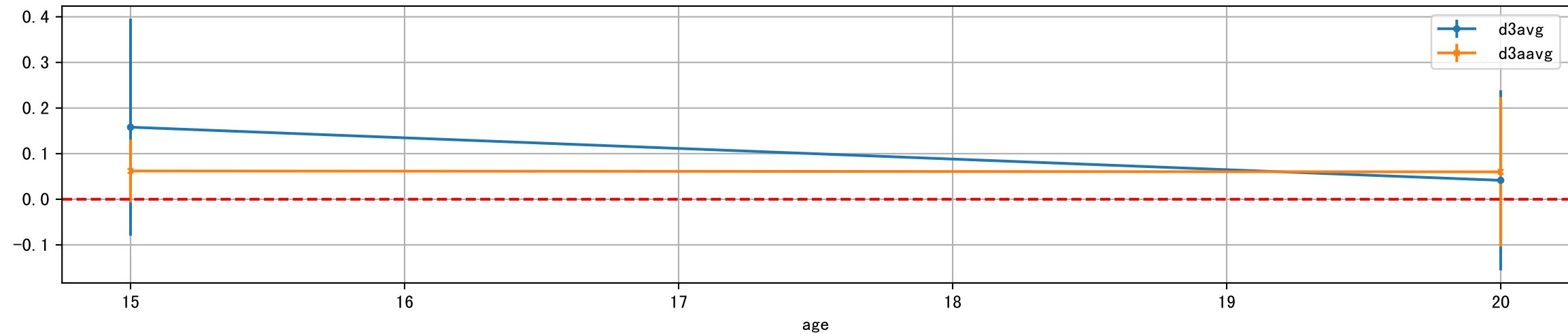


FrV: D_Ts_FrV
organID=1

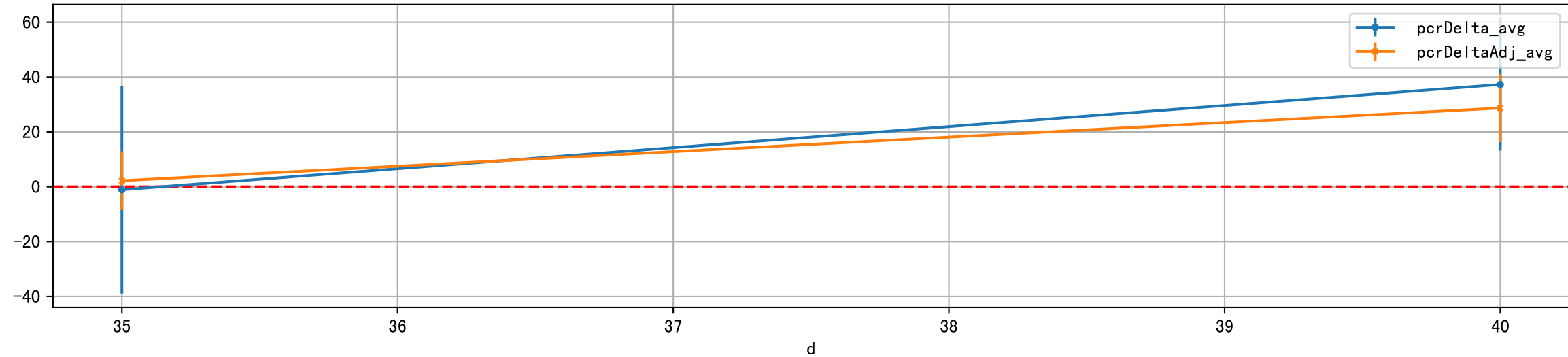
Warning: col ['d2avg', 'd2aavg'] missing



FrV: D_Q50_FrV
organID=1



P3-2 FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=1

