

Phenotype Data Analysis Plots

PhenoData day range = 12 – 38

Analysis cutoff day = 38

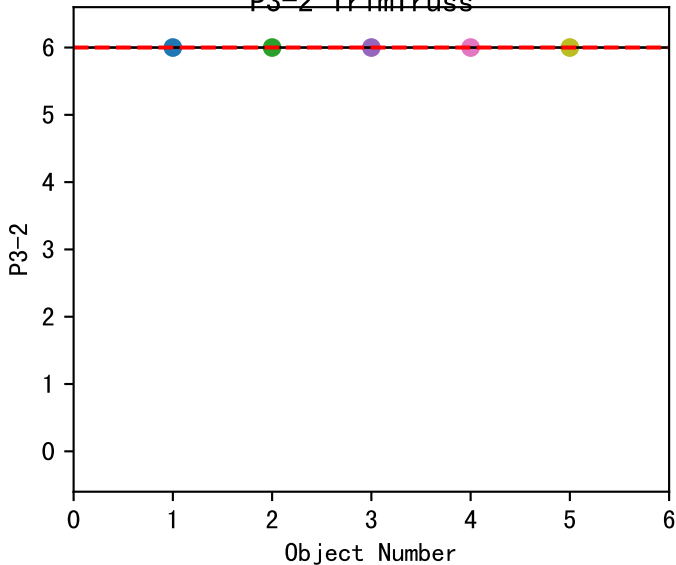
NC11 P3-2

2025-05-07 (Day 39)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

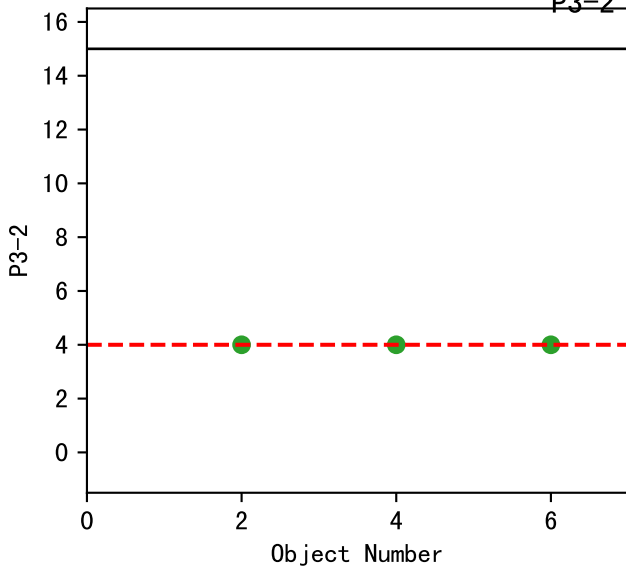
P3-2 TrimTruss



FruitNumAvgPerTruss (Def=15 Set=4)

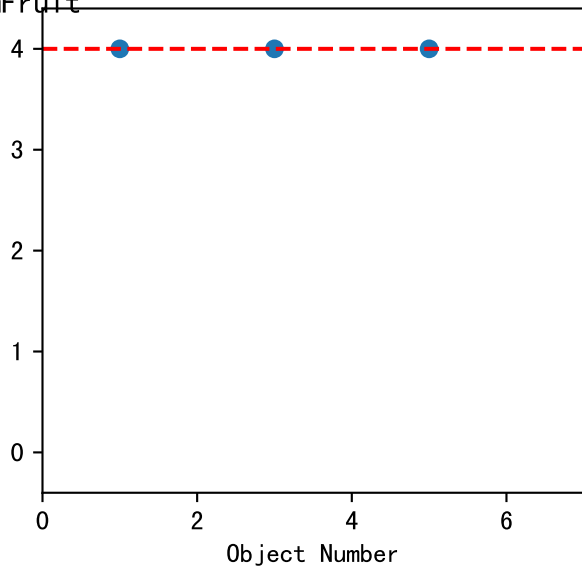
avg1=4.0~0% avg2=na

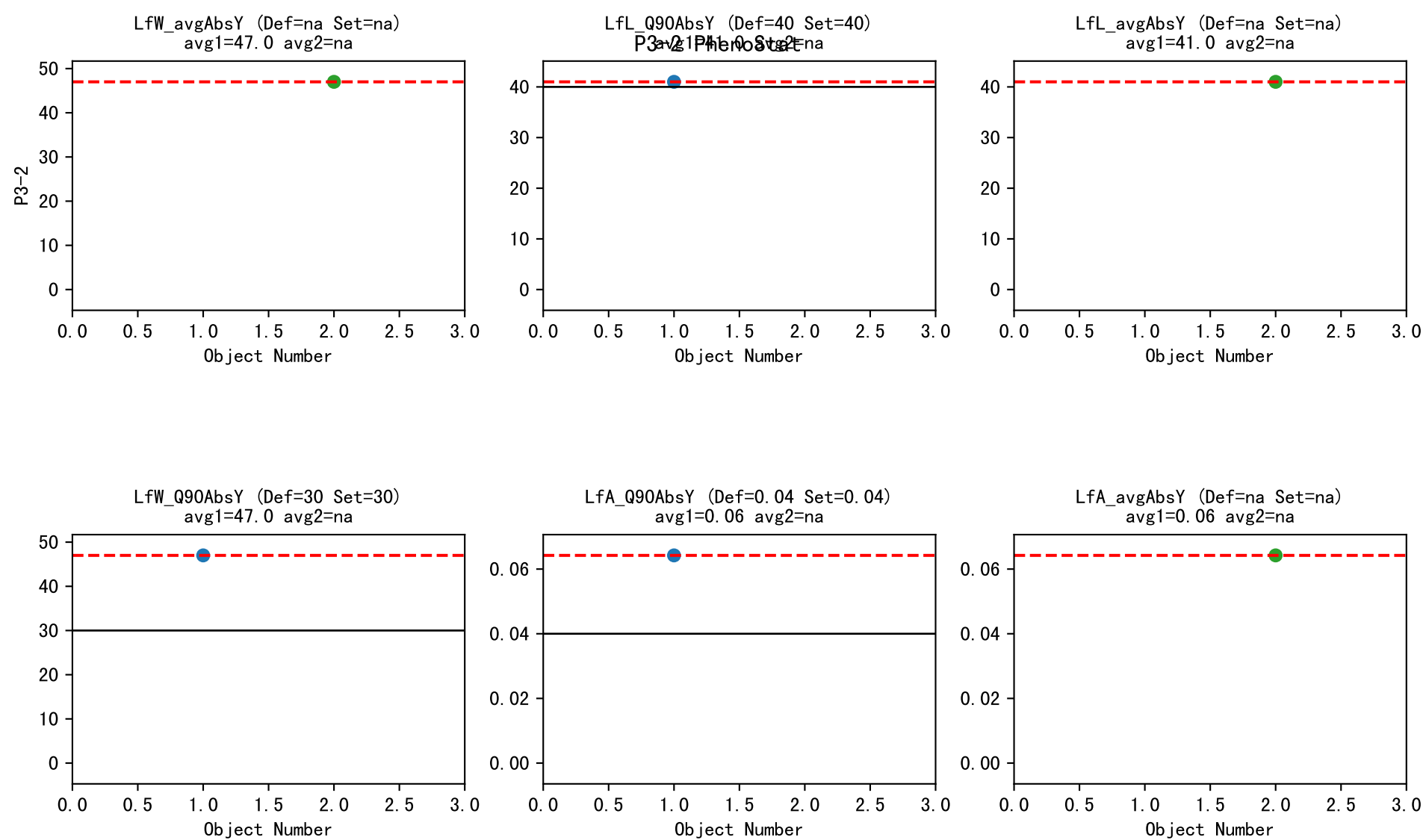
P3-2 TrimFruit



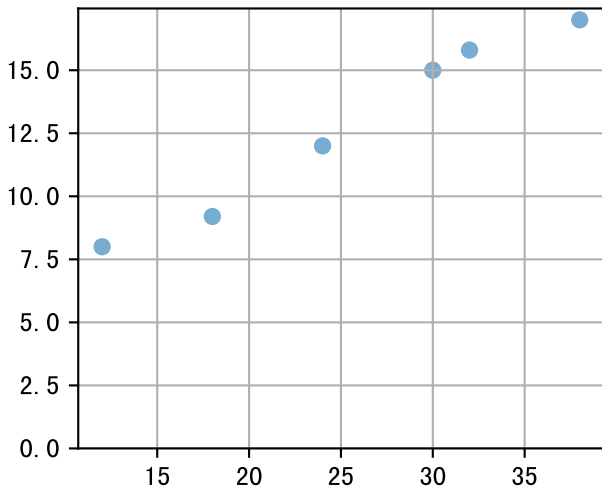
FruitNumMaxPerTruss (Def=na Set=4)

avg1=4.0~0% avg2=na

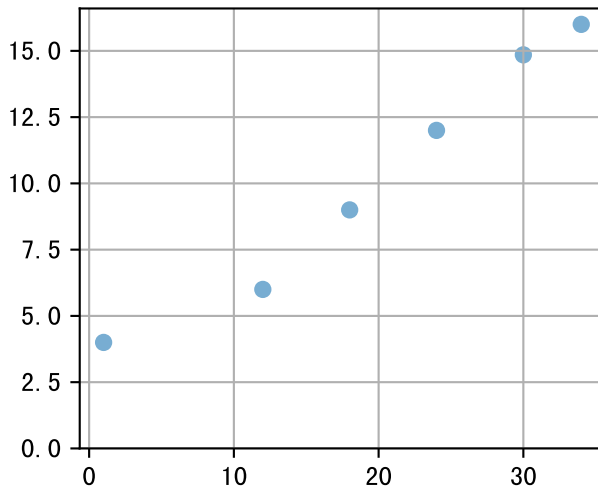




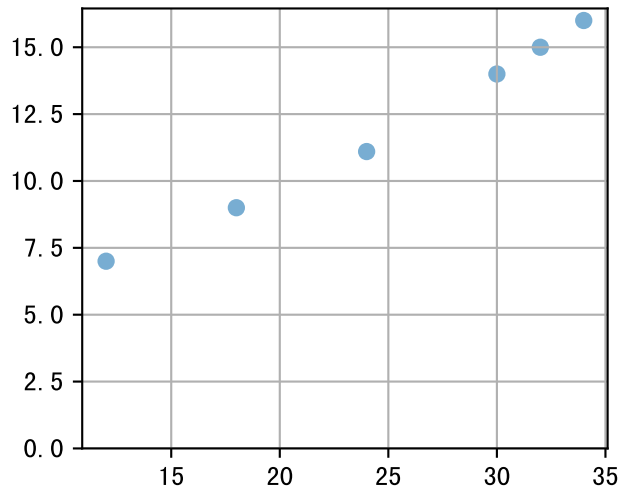
P3-2-16-21 (fit failed)



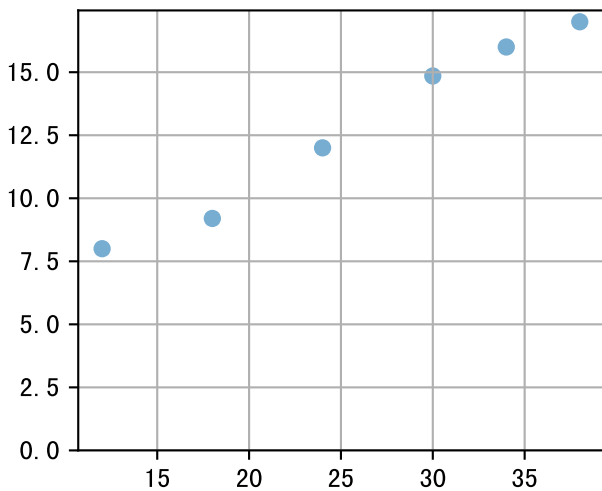
P3-2-24-18 (fit failed)



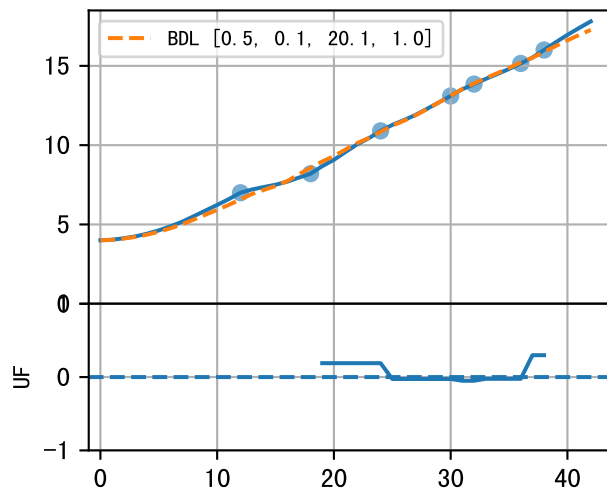
P3-2-40-6 (fit failed)



P3-2-55-28 (fit failed)



P3-2-9-8 (fit failed)



P3-2avg (fit failed)

NdN

BDL [0.53, 5.07, 7.33, 1.0]

UF

15

10

5

0

0

-1

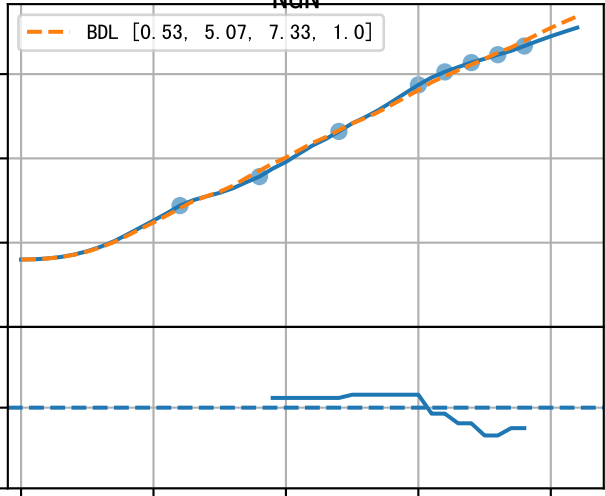
0

10

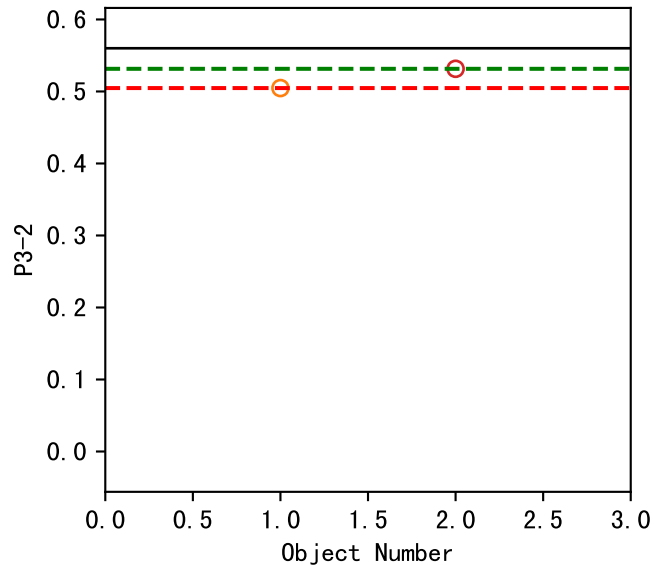
20

30

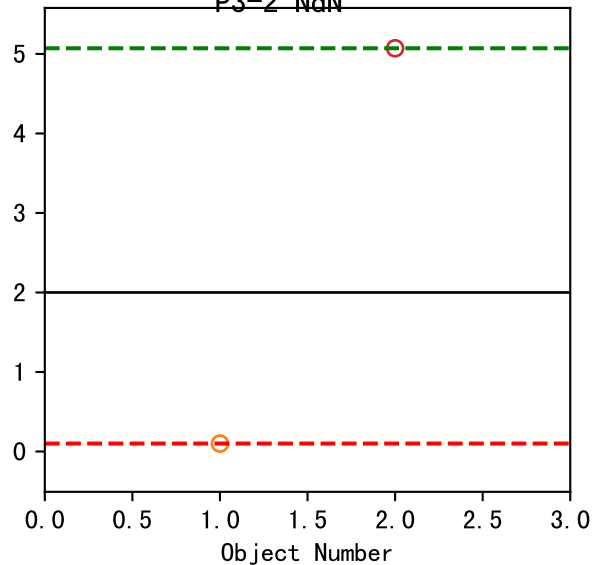
40



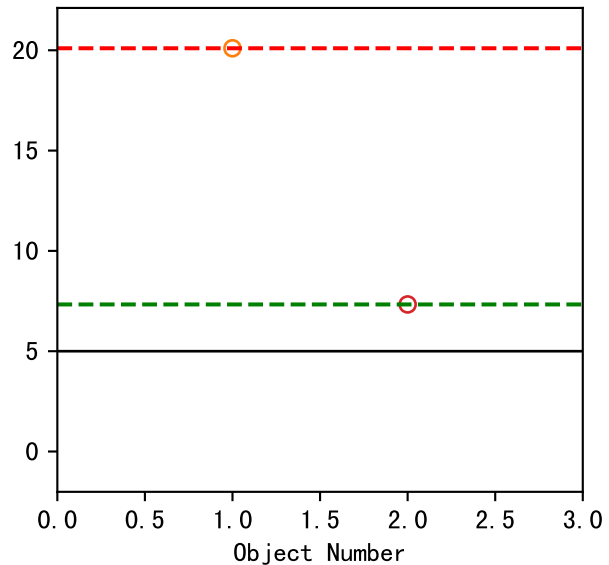
a (Def=0.56 Set=0.53)
avg1=0.5(fail) avg2=0.53



dm (Def=2 Set=5.07)
avg1=0.1(fail) avg2=5.07

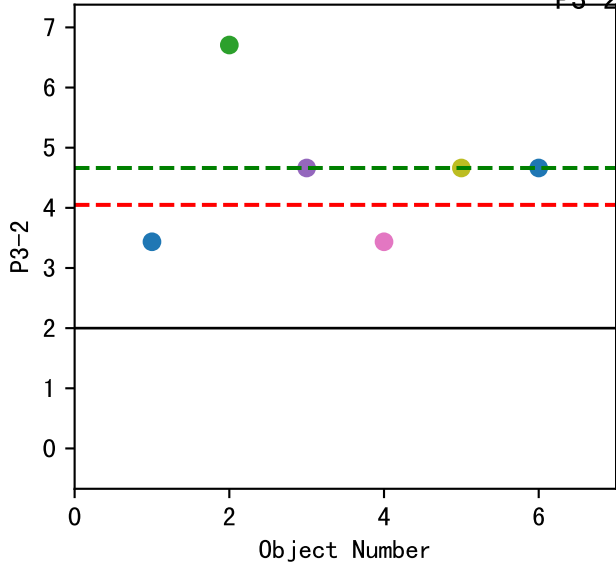


de (Def=5 Set=7.33)
avg1=20.1(fail) avg2=7.33



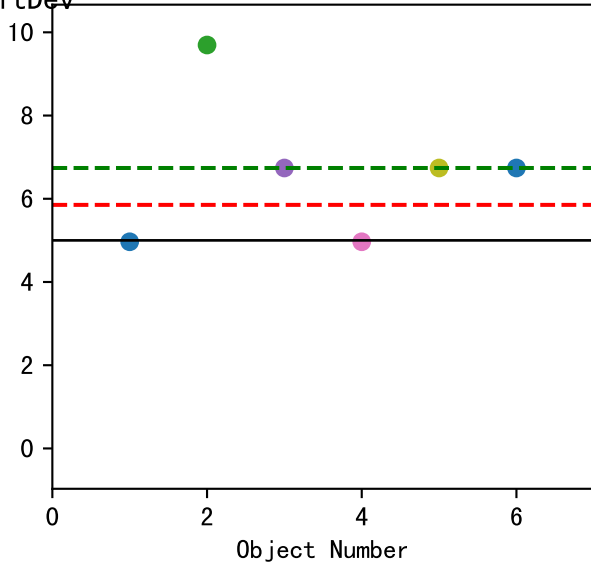
InitDev_dm (Def=2 Set=4.66)
avg1=4.05~17% avg2=4.66

P3-2

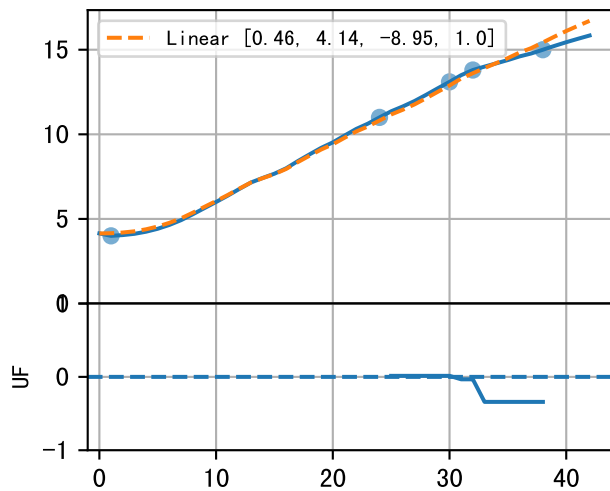


InitDev_de (Def=5 Set=6.74)
avg1=5.85~17% avg2=6.74

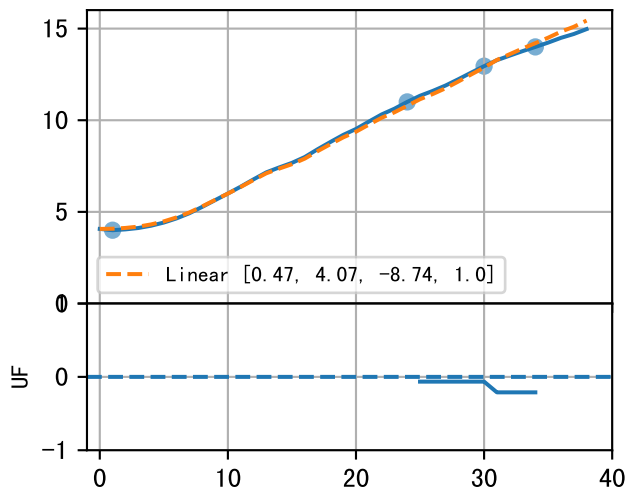
InitDev



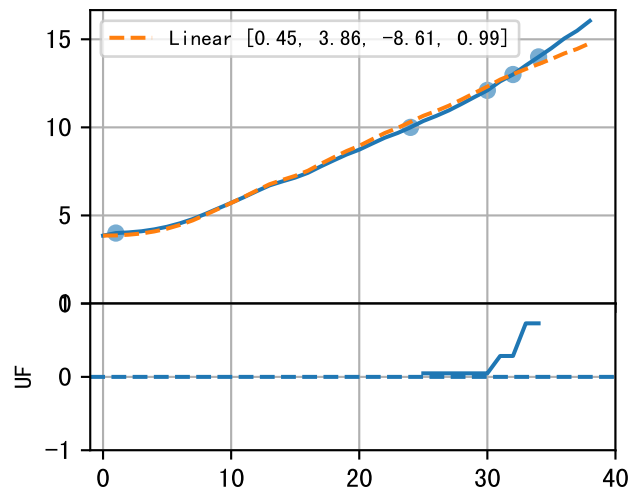
P3-2-16-21



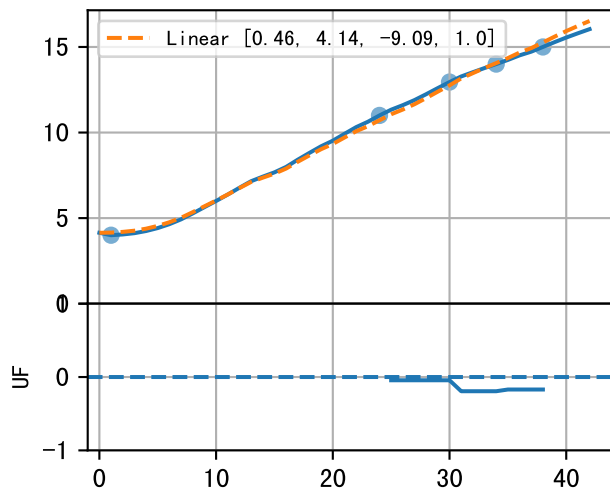
P3-2-24-18



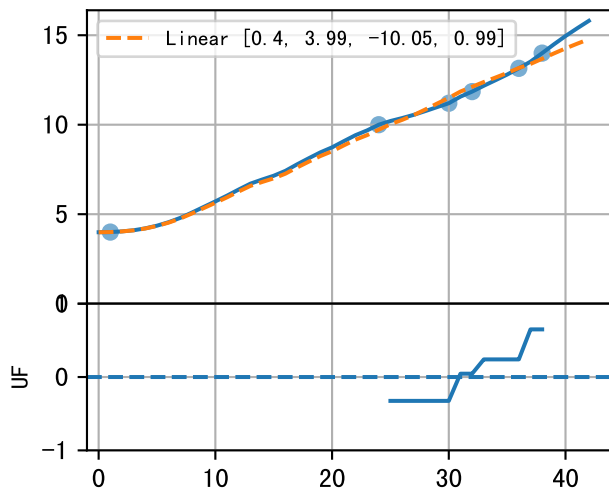
P3-2-40-6



P3-2-55-28



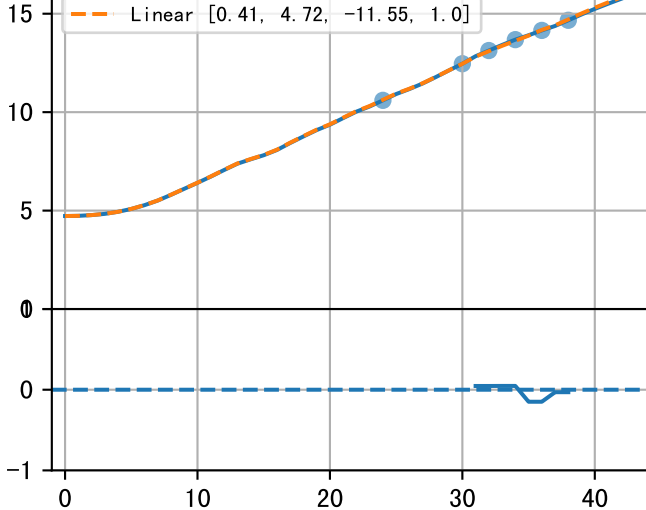
P3-2-9-8



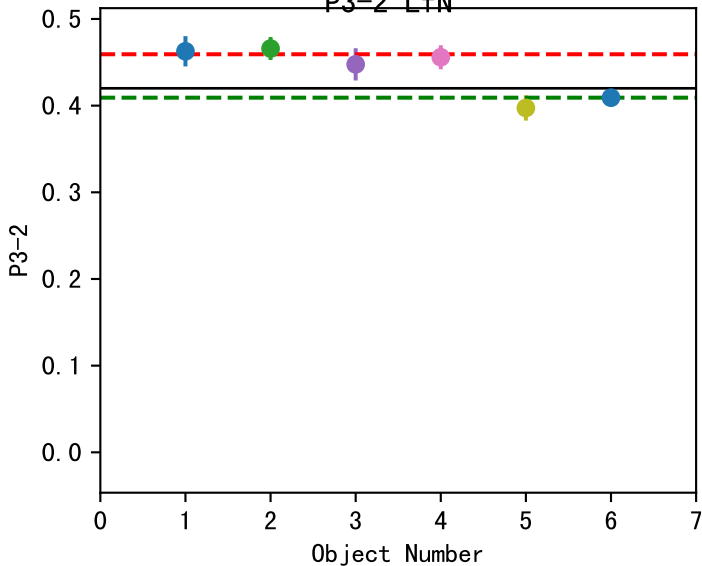
P3-2avg
LfN

Linear [0.41, 4.72, -11.55, 1.0]

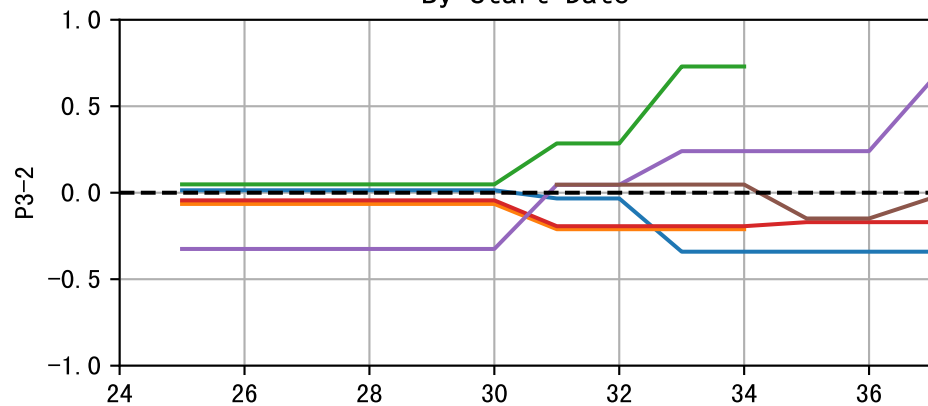
UF



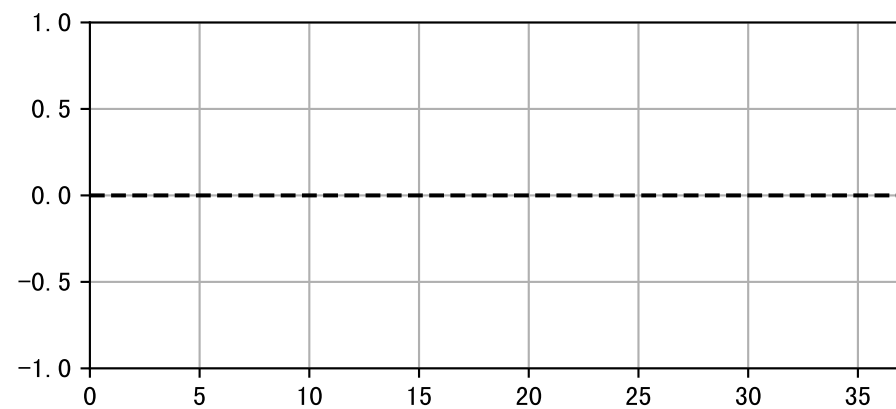
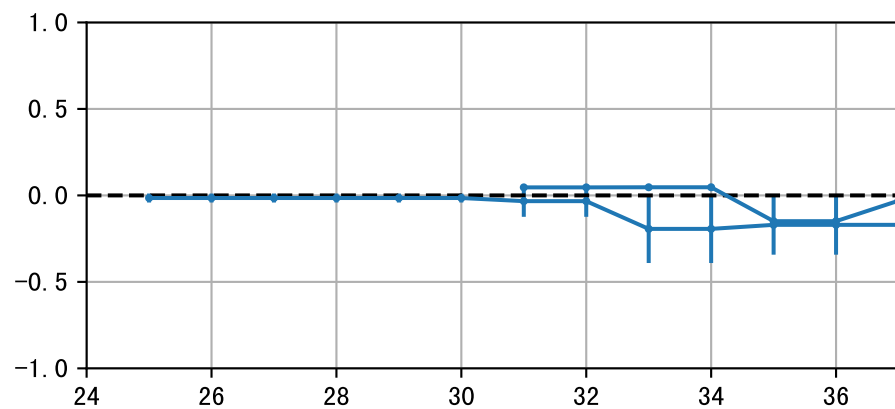
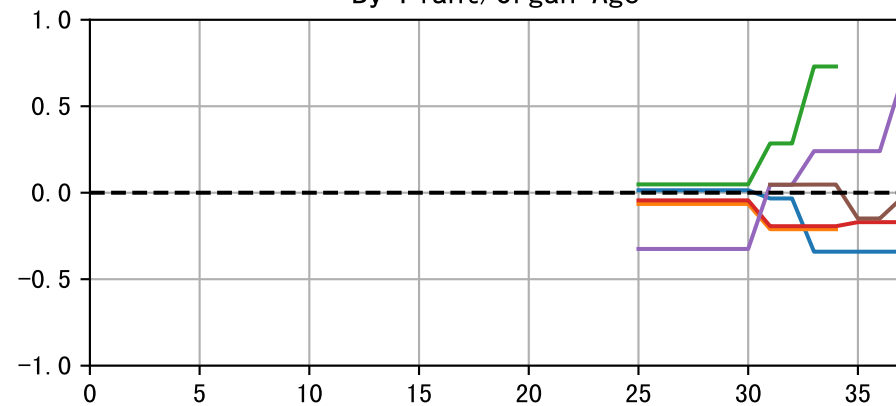
a (Def=0.42 Set=0.41)
avg1=0.46 $\sim$ 2% avg2=0.41 $\sim$ 3%
P3-2 LfN



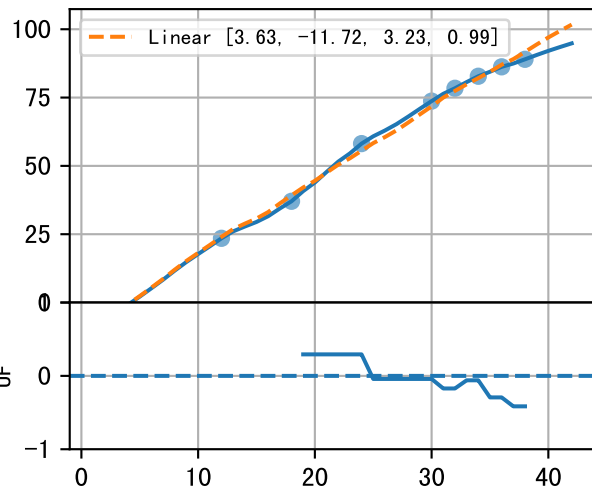
By Start Date



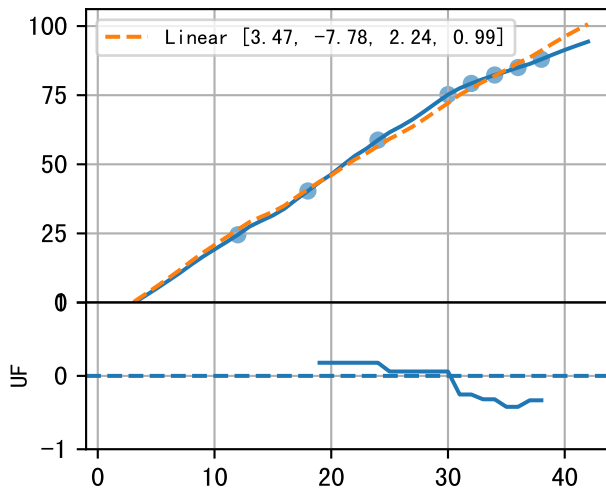
By Plant/Organ Age



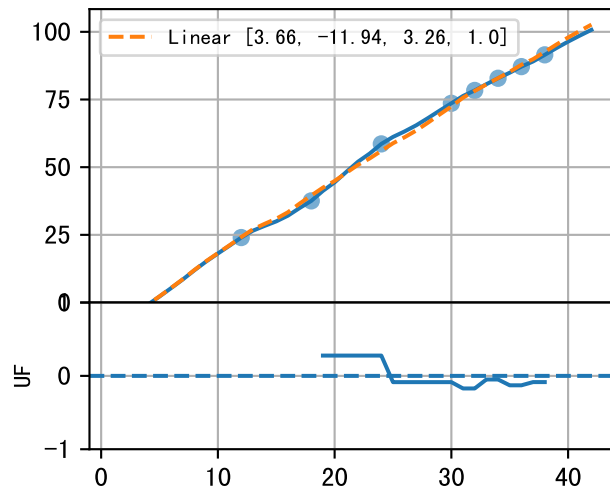
P3-2-16-21



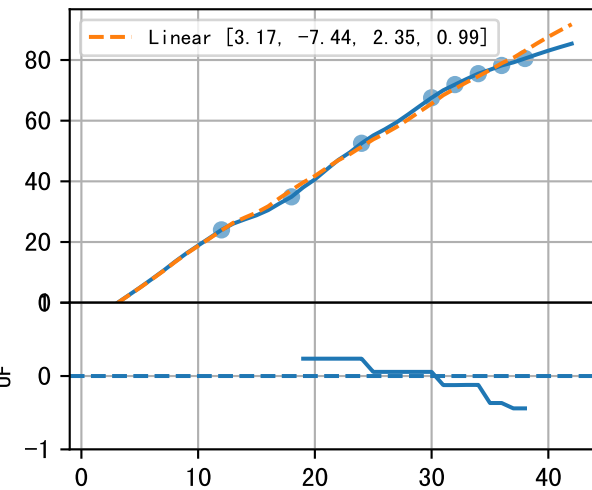
P3-2-24-18



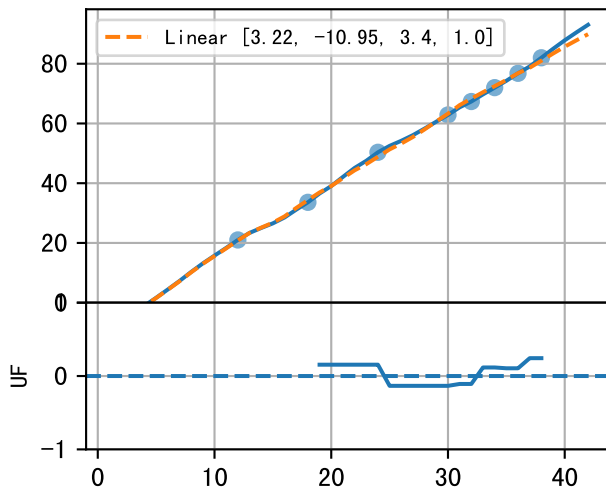
P3-2-40-6



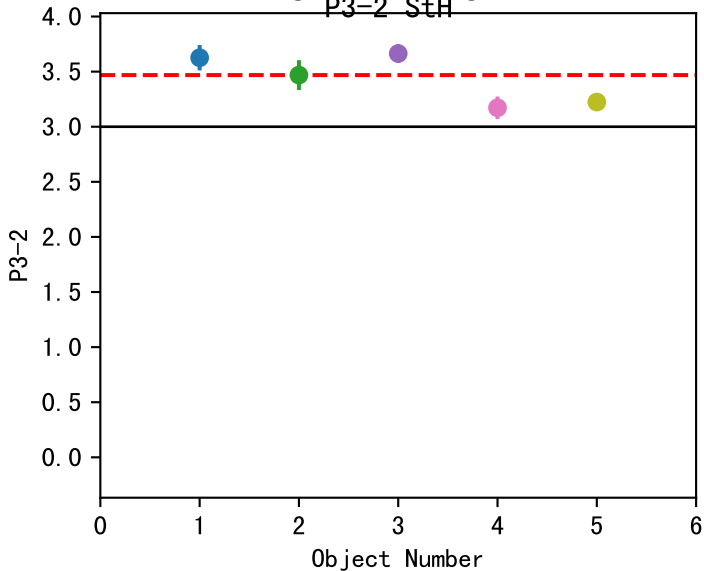
P3-2-55-28



P3-2-9-8

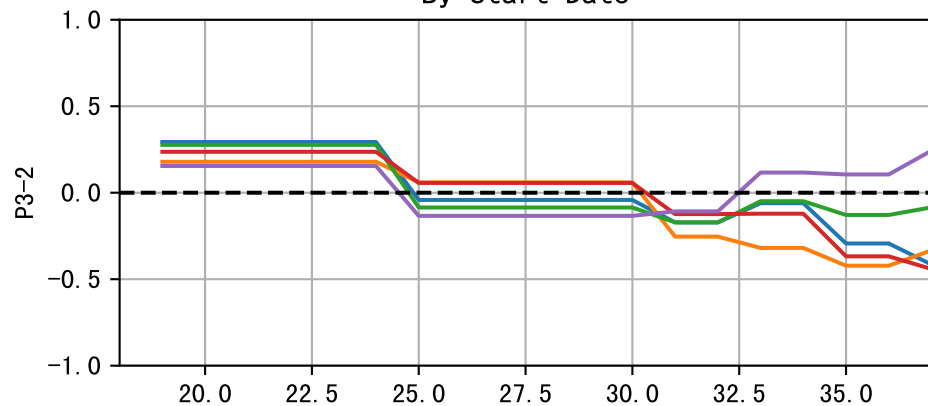


a (Def=3 Set=3.47)
avg1=3.47~7% avg2=na
P3-2 Sth

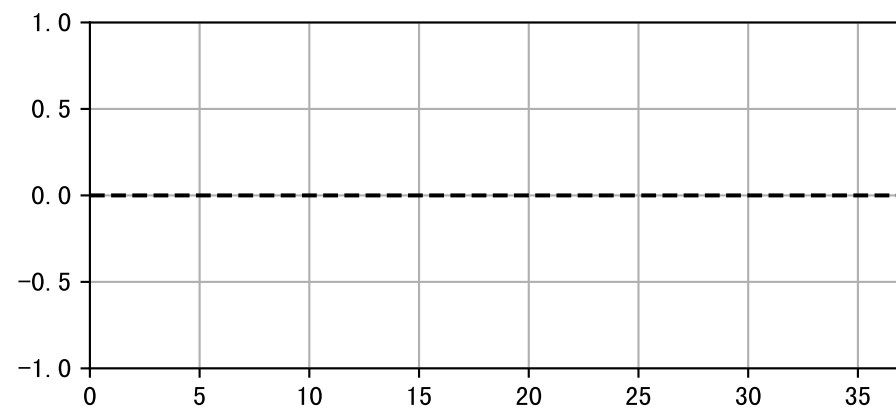
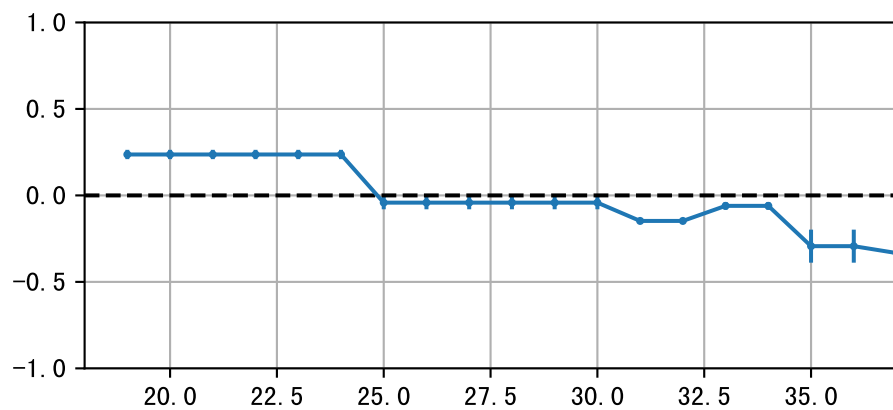
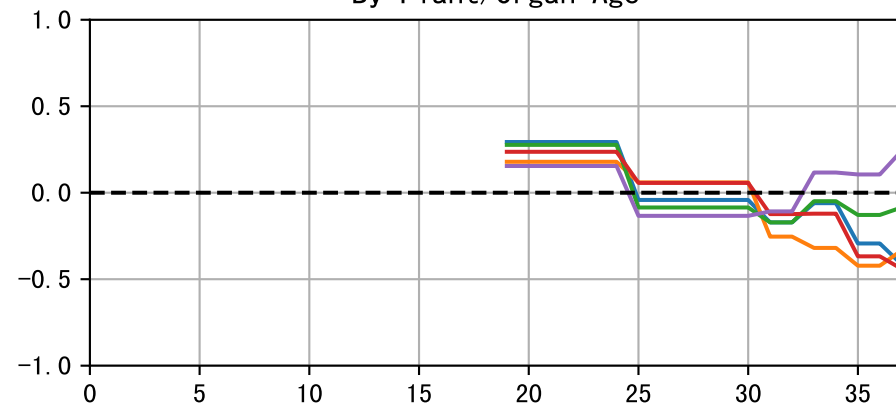


StH

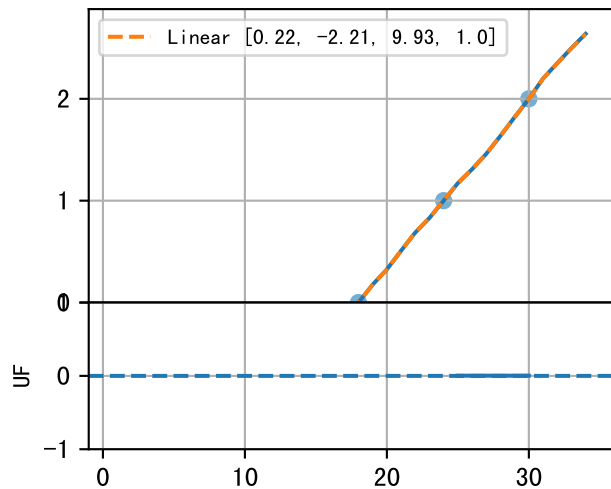
By Start Date



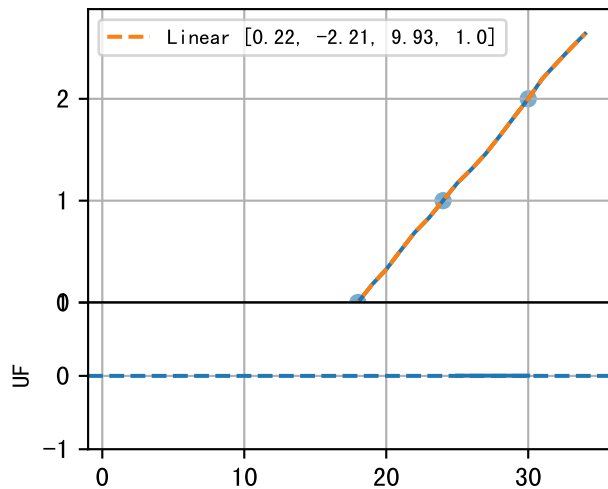
By Plant/Organ Age



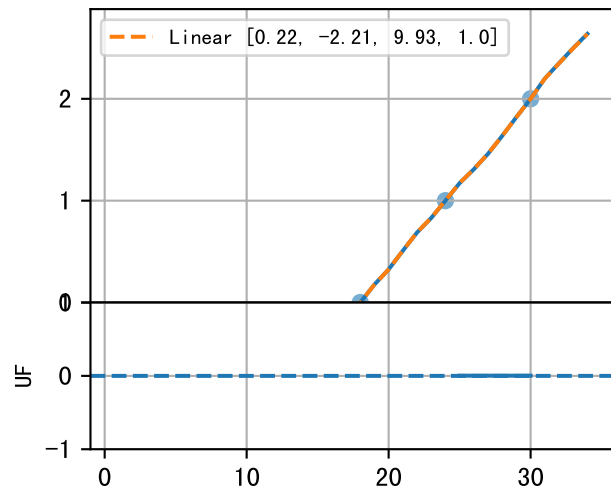
P3-2-16-21



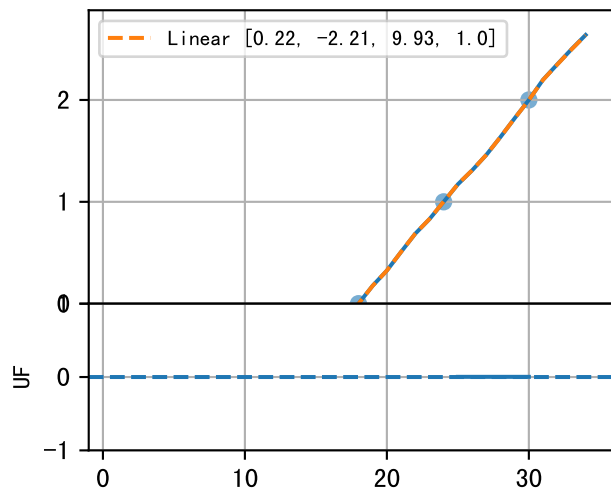
P3-2-24-18



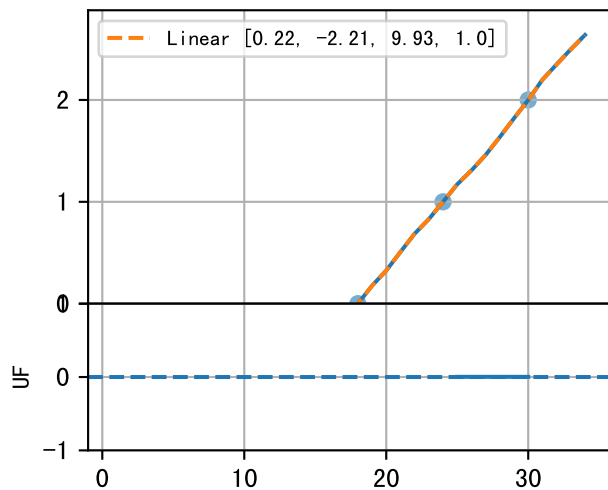
P3-2-40-6



P3-2-55-28

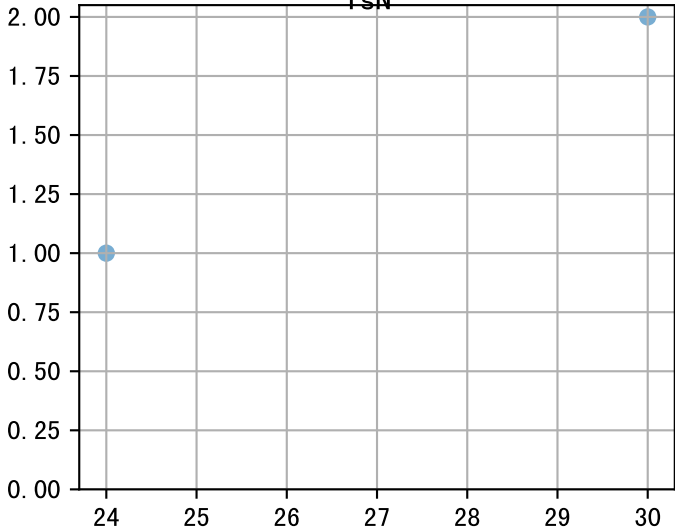


P3-2-9-8



P3-2avg (fit failed)

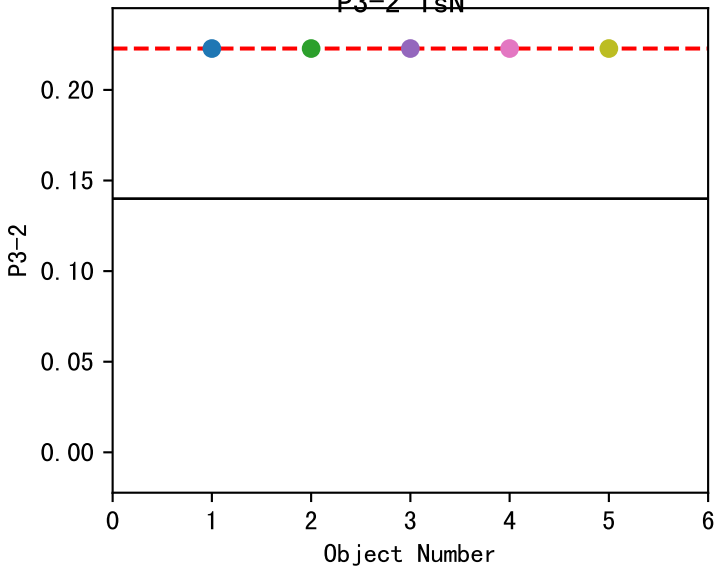
TsN



a (Def=0.14 Set=0.14)

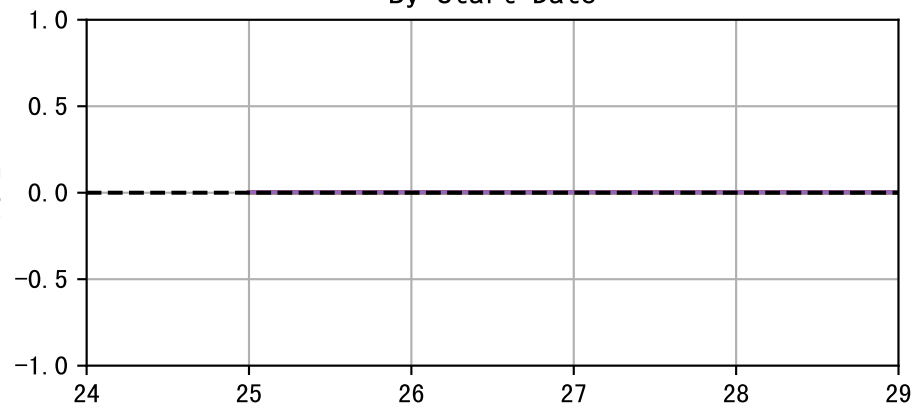
avg1=0.22~0% avg2=na

P3-2 TSN

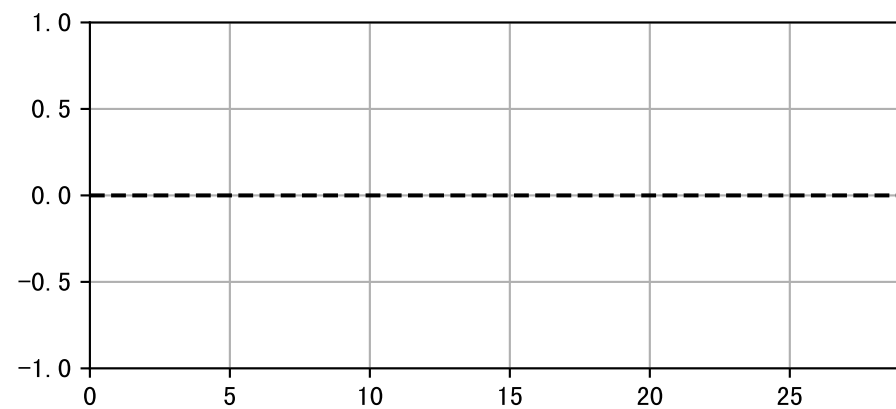
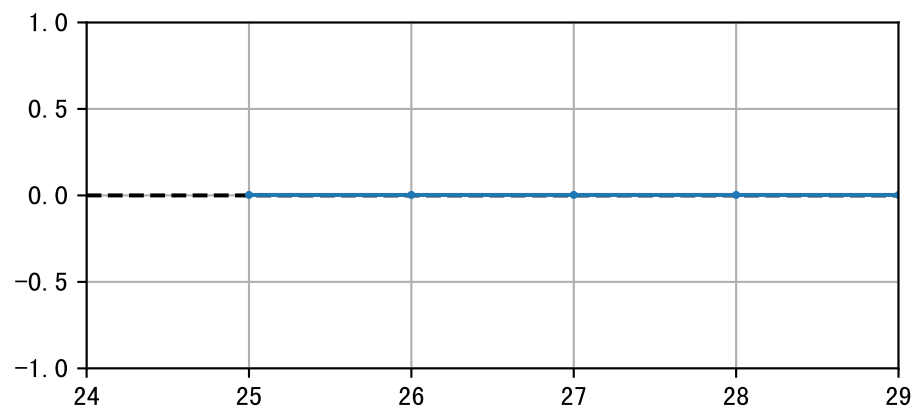
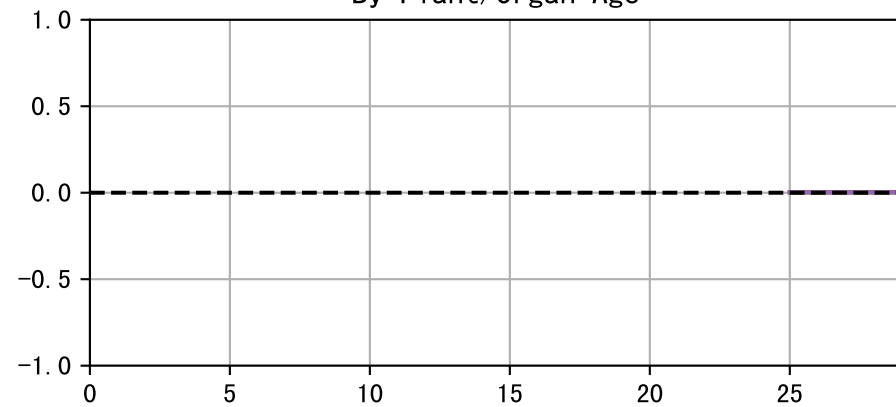


TsN

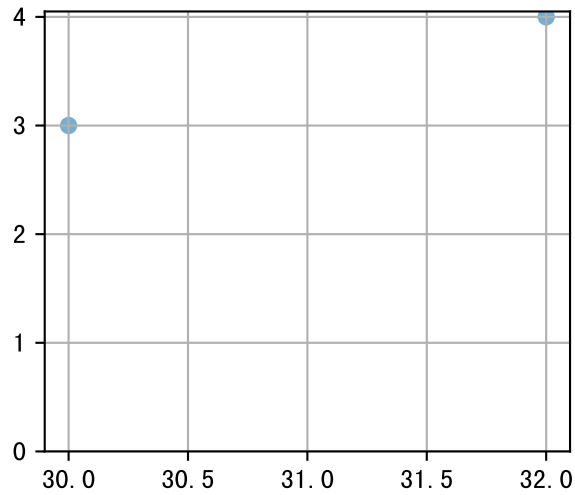
By Start Date



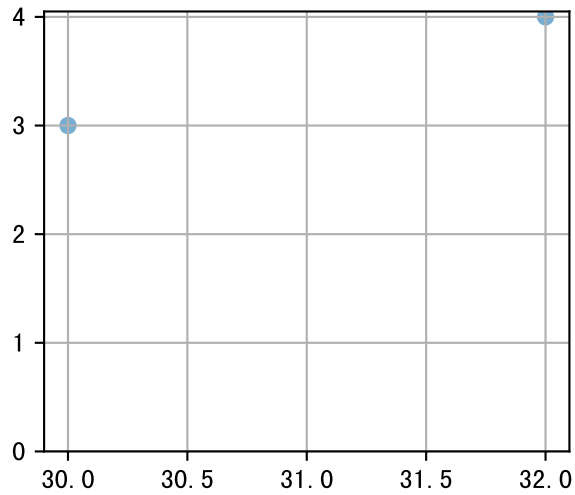
By Plant/Organ Age



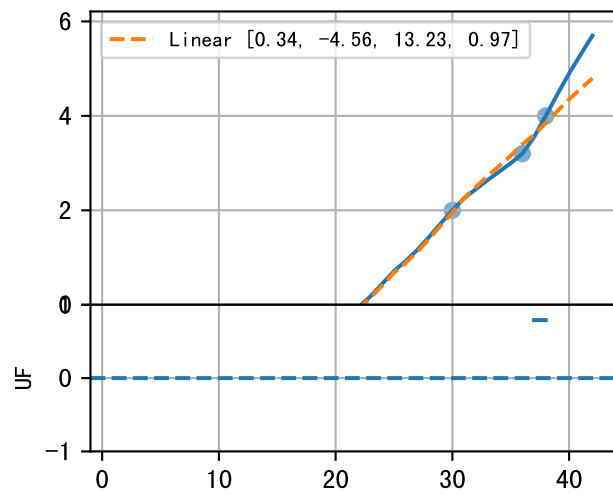
P3-2-16-21T1 (fit failed)



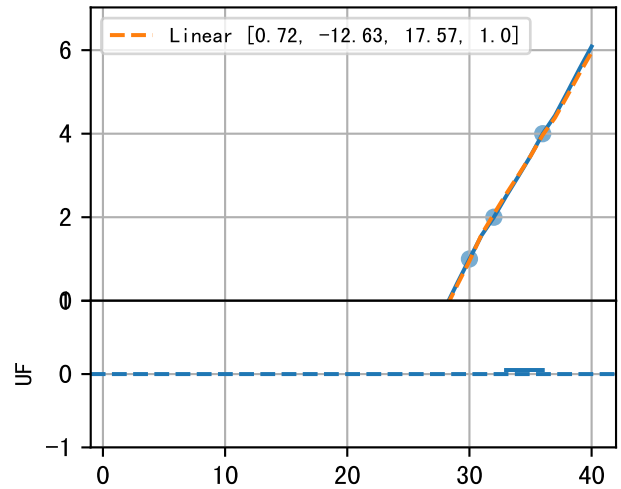
P3-2-40-6T1N (fit failed)



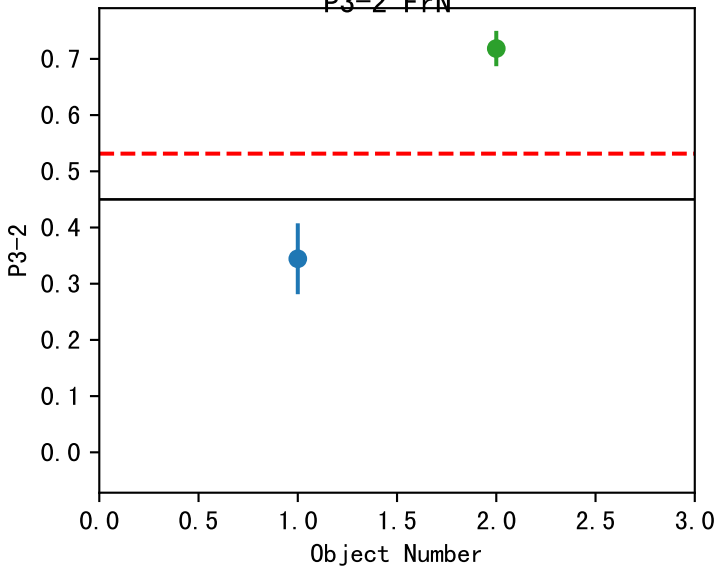
P3-2-55-28T1



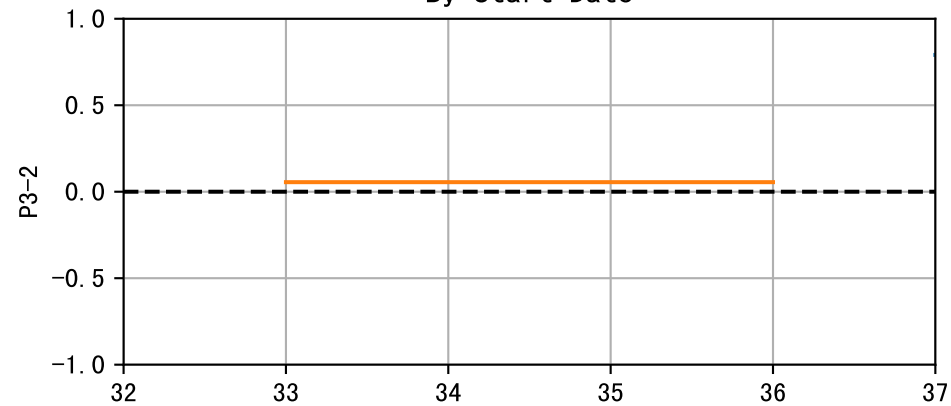
P3-2-9-8T1



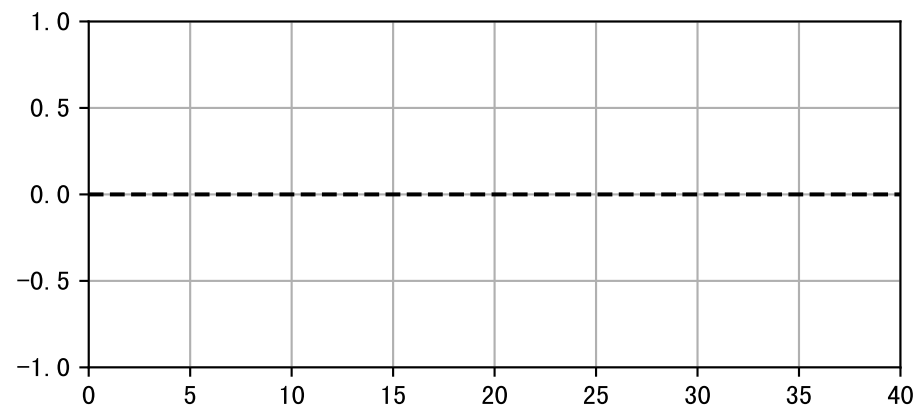
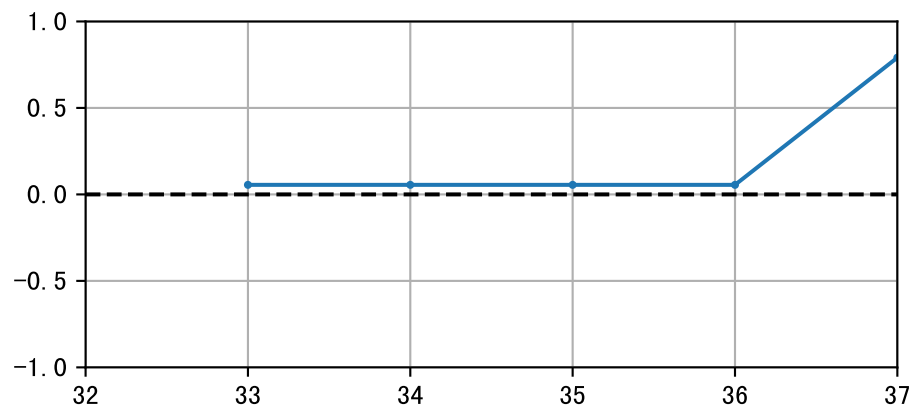
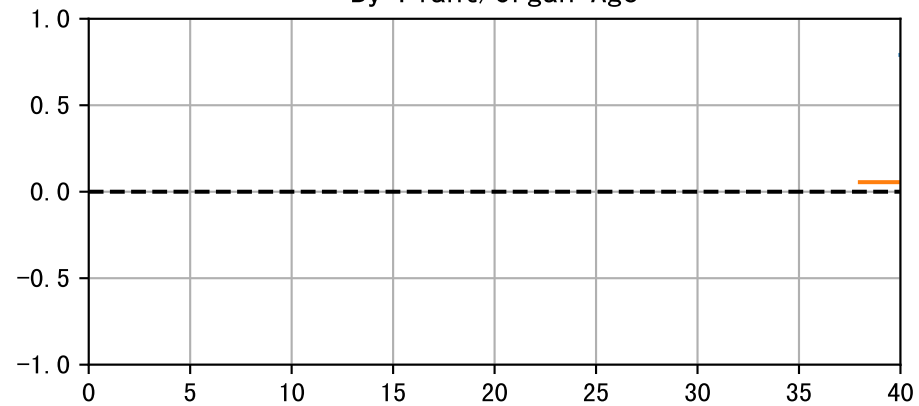
a (Def=0.45 Set=0.75)
avg1=0.53~50% avg2=na



By Start Date

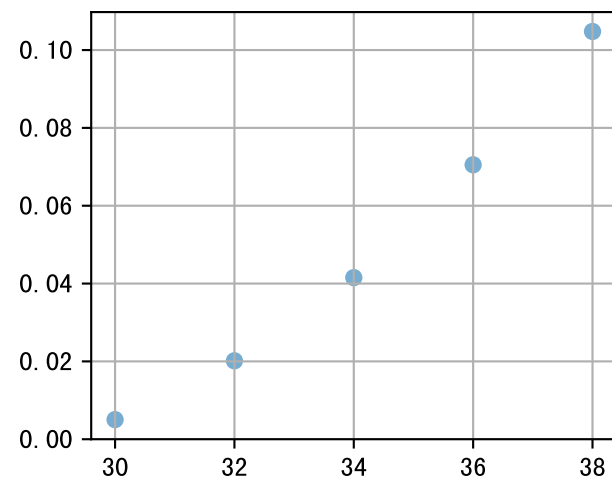


By Plant/Organ Age

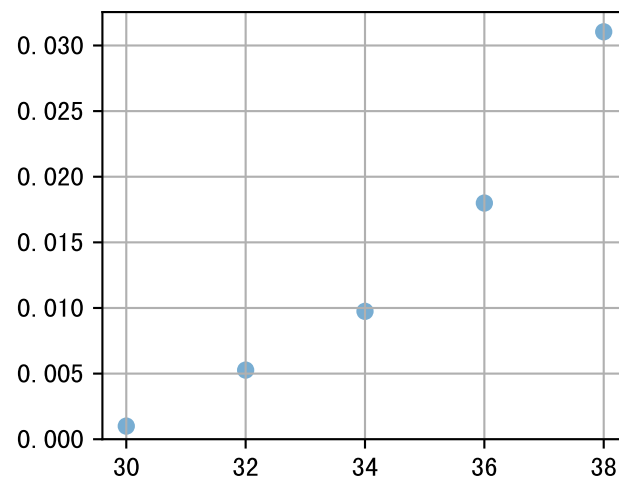


FrV

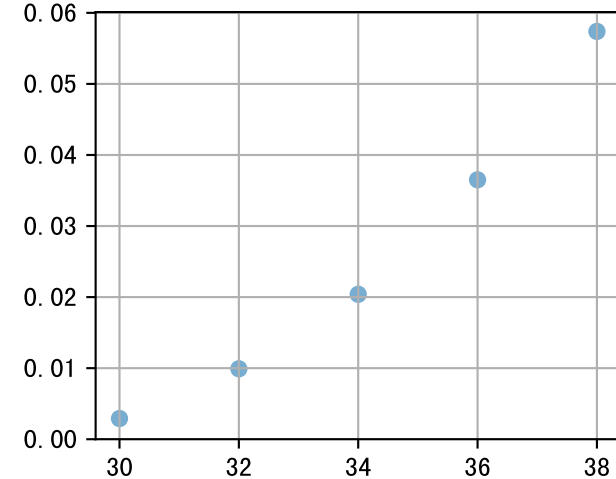
P3-2-16-21T1Fr1 (fit failed)



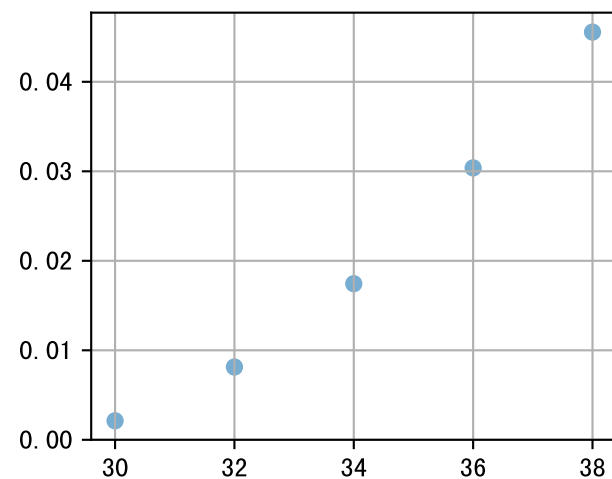
P3-2-16-21T1Fr5 (fit failed)



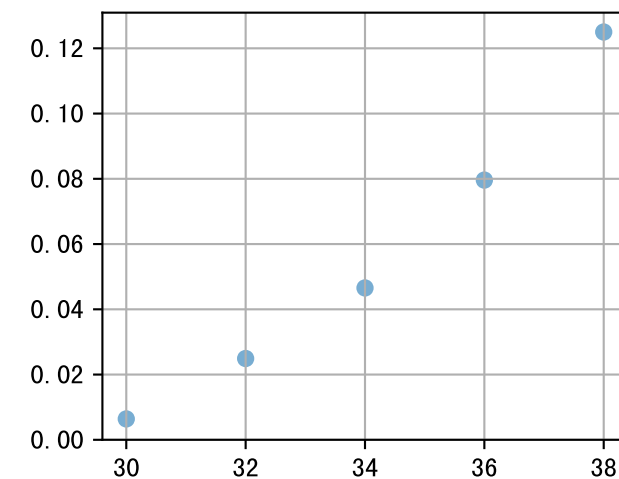
P3-2-24-18T1Fr1 (fit failed)



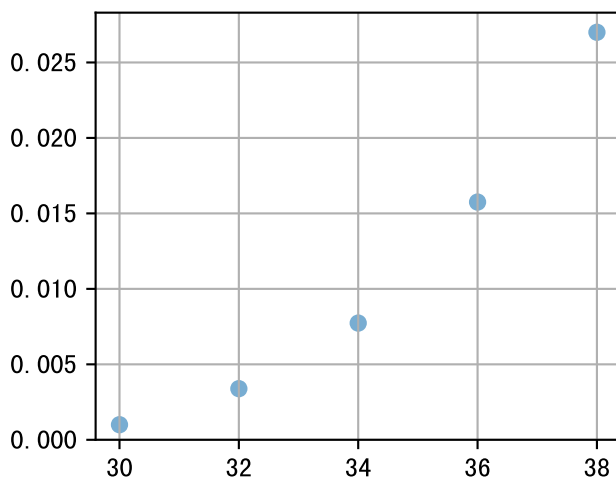
P3-2-24-18T1Fr5 (fit failed)



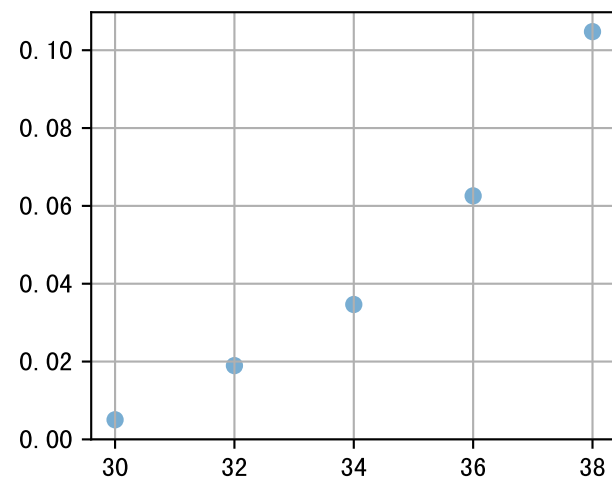
P3-2-40-6T1Fr1 (fit failed)



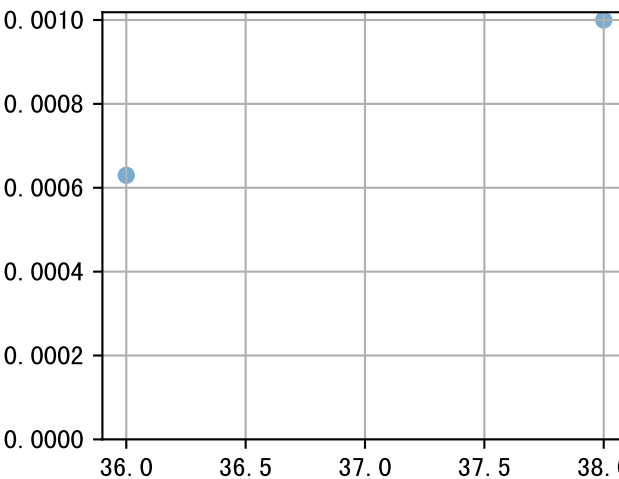
P3-2-40-6T1Fr5 (fit failed)



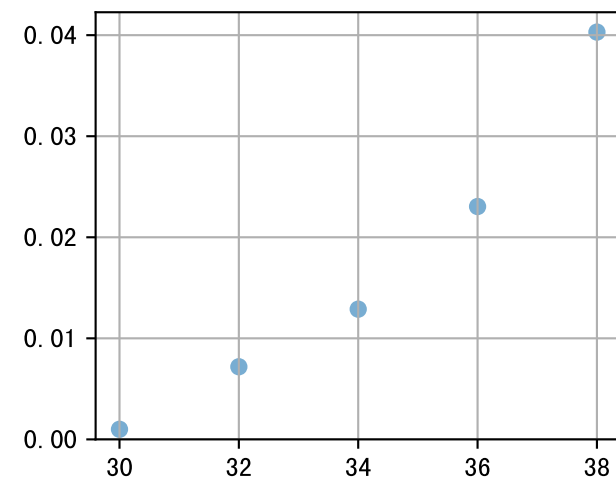
P3-2-55-28T1Fr1 (fit failed)



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

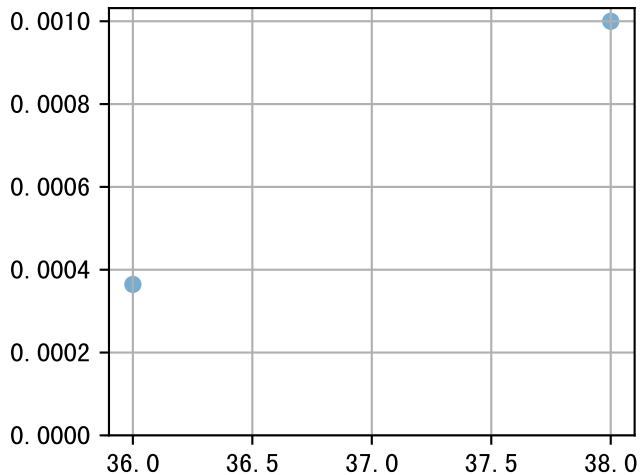


P3-2-9-8T1Fr1 (fit failed)

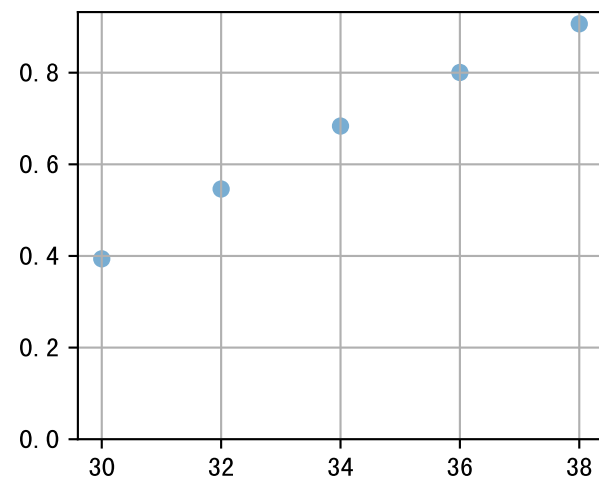


P3-2-9-8T1Fr5 (fit failed)

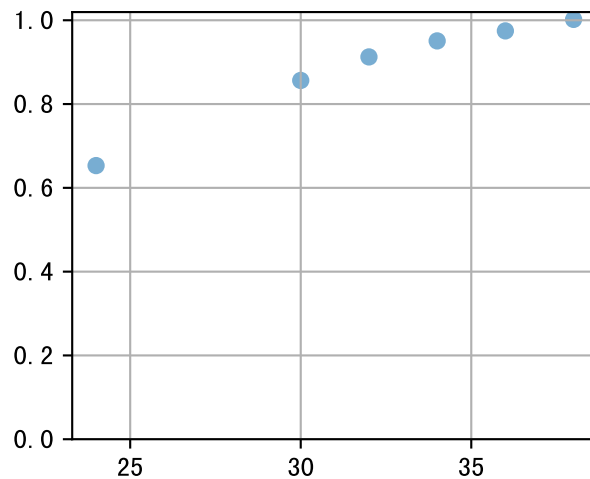
FrV



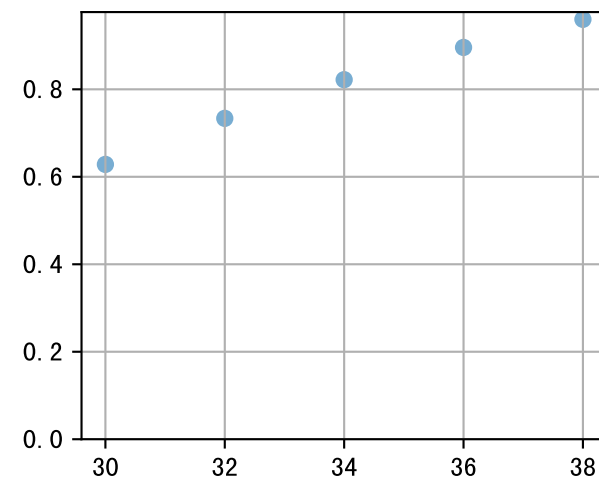
P3-2-16-21L10 (fit failed)



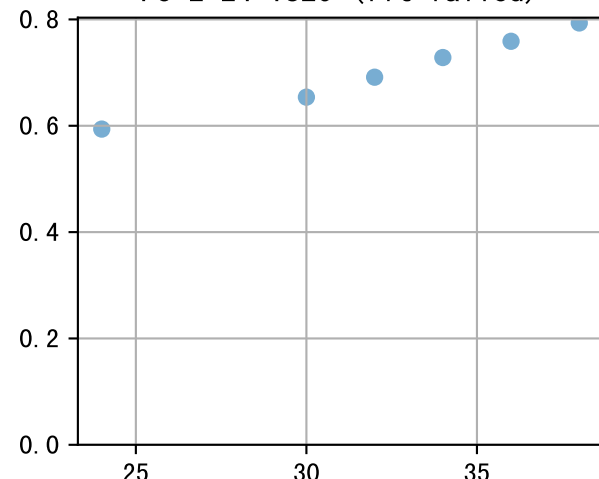
P3-2-16-21L7 (fit failed)



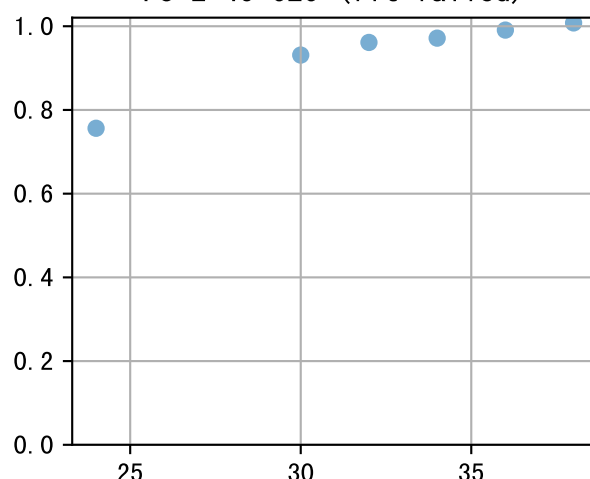
P3-2-24-18L10 (fit failed)



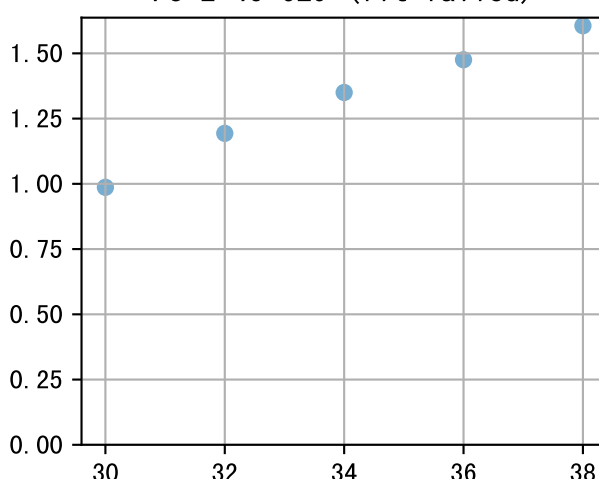
P3-2-24-18L6 (fit failed)



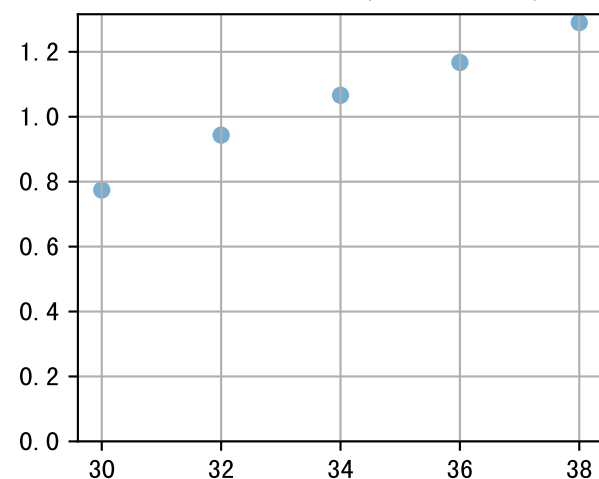
P3-2-40-6L6 (fit failed)



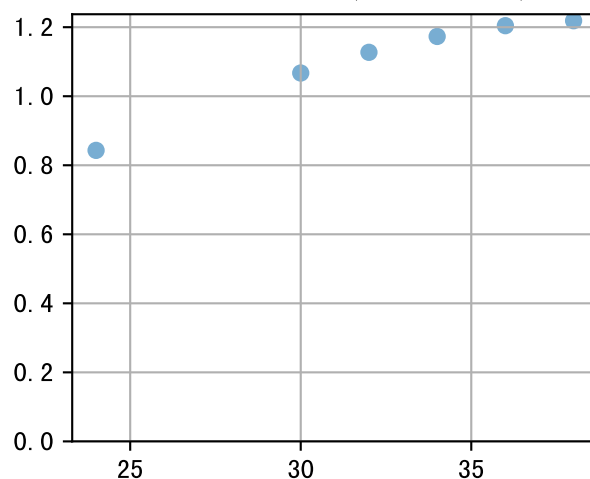
P3-2-40-6L9 (fit failed)



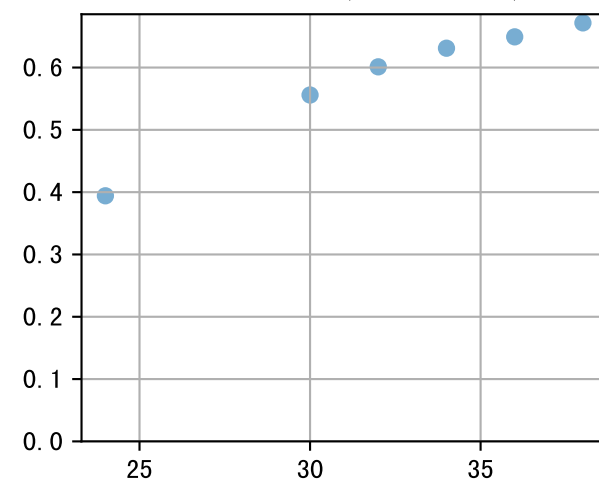
P3-2-55-28L10 (fit failed)



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

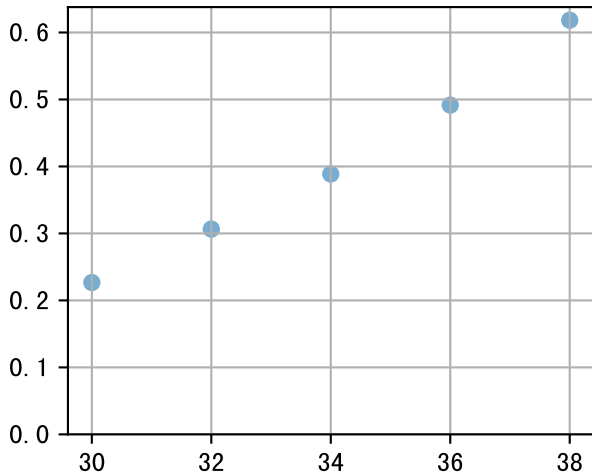


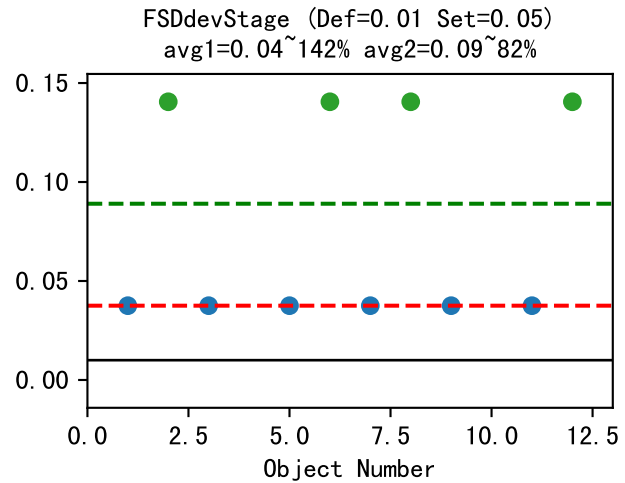
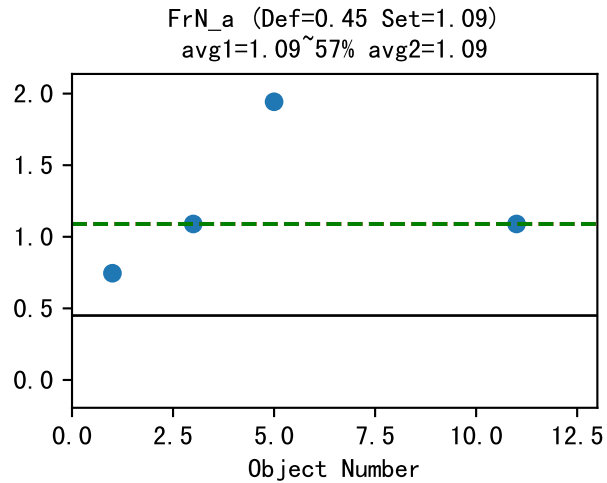
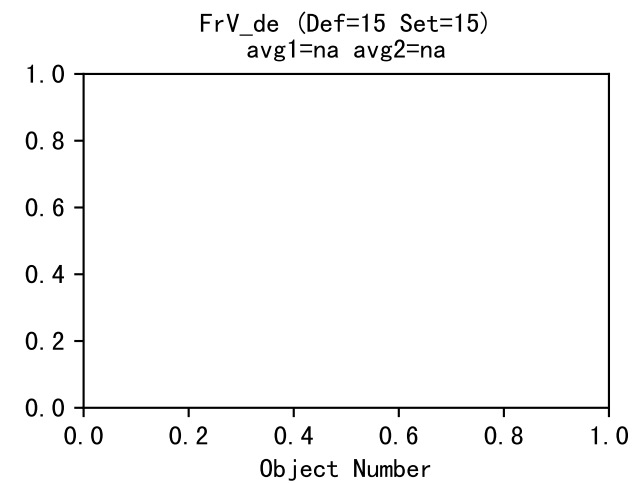
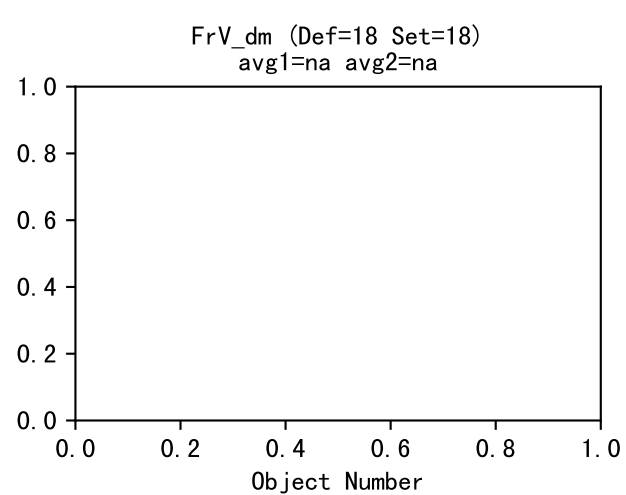
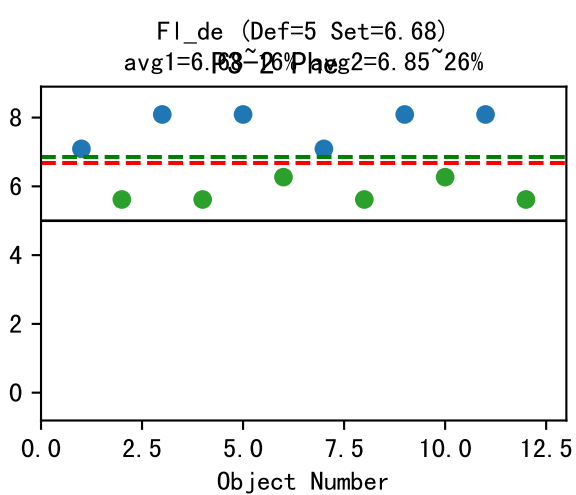
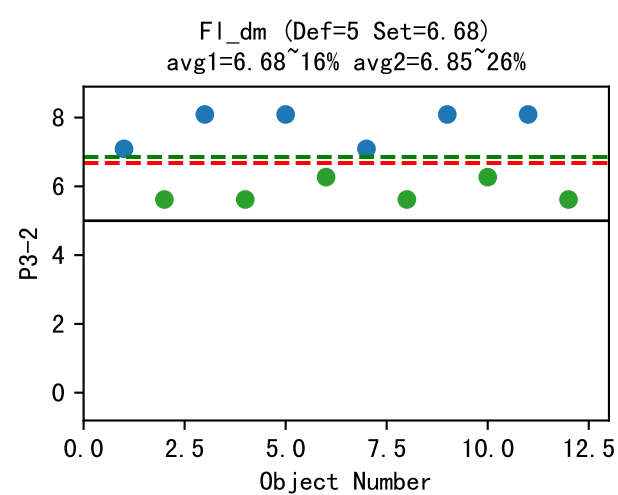
P3-2-9-8L6 (fit failed)



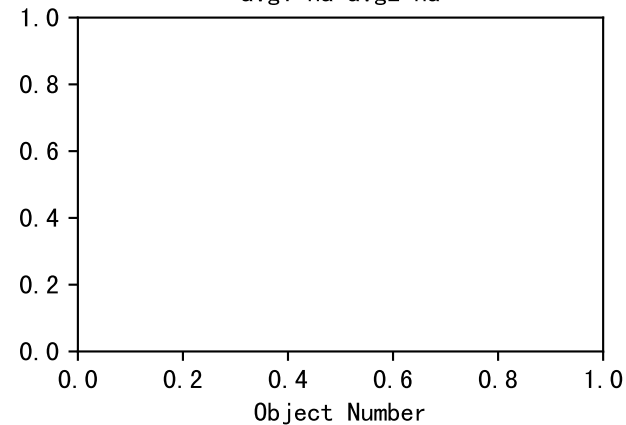
P3-2-9-8L9 (fit failed)

LfA

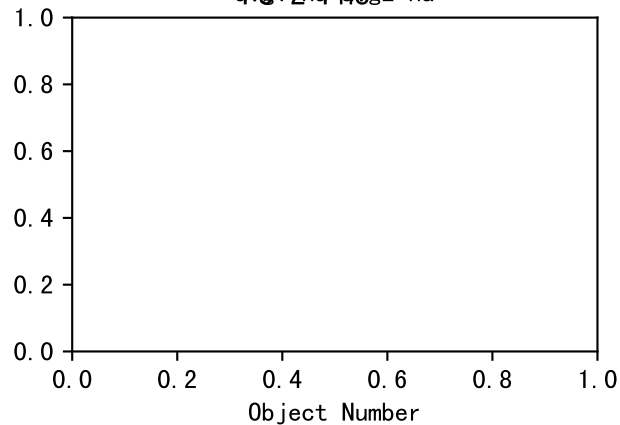




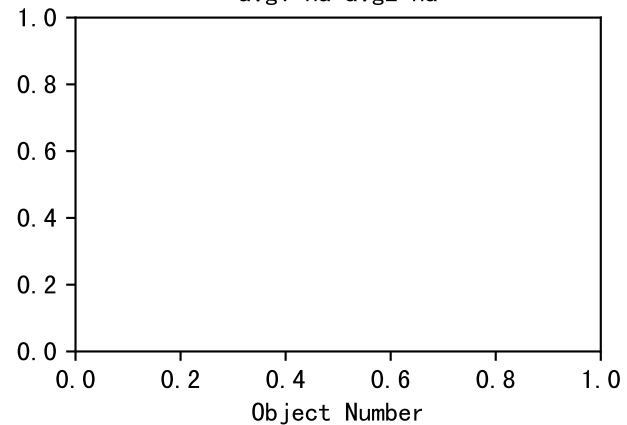
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



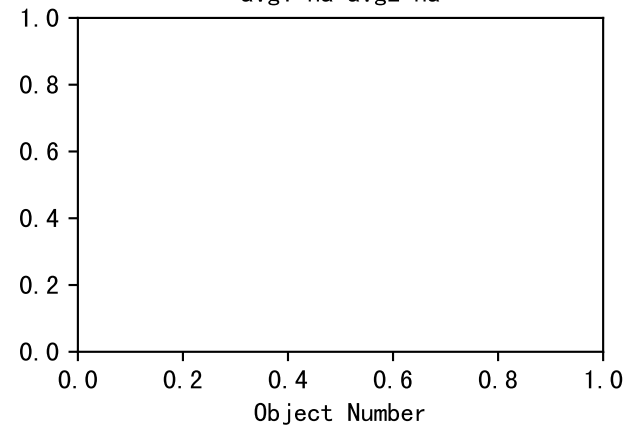
FMBDevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



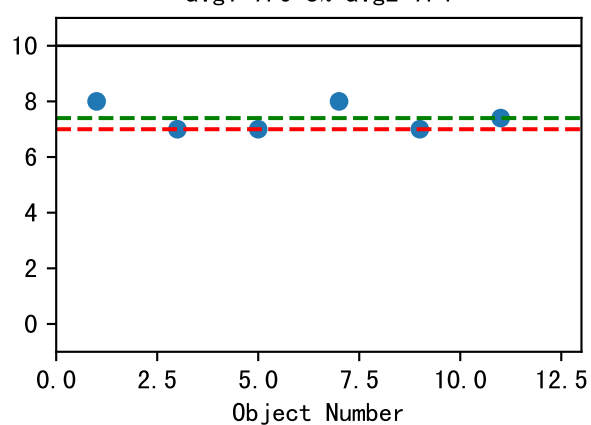
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



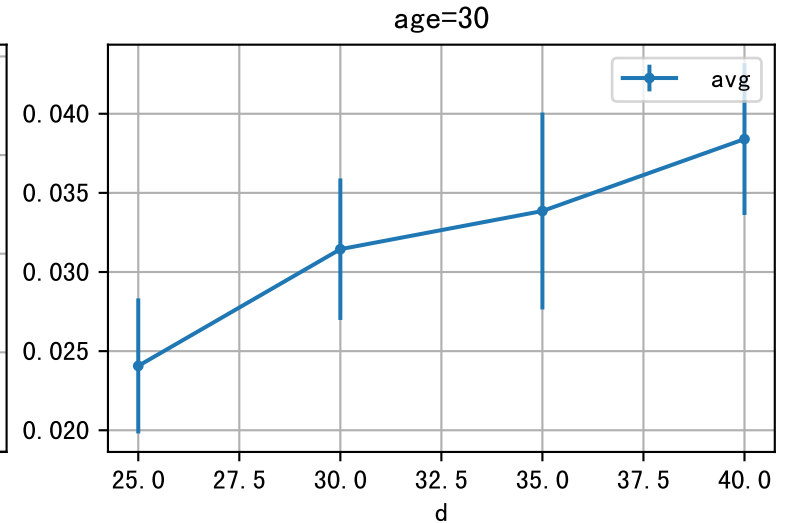
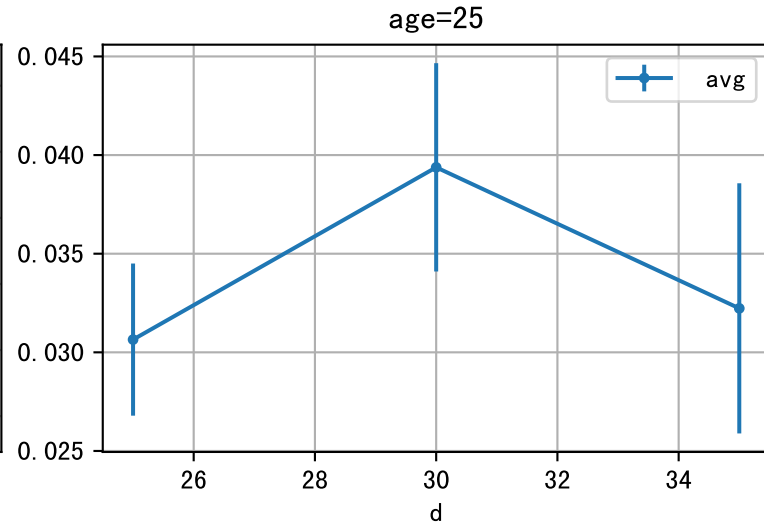
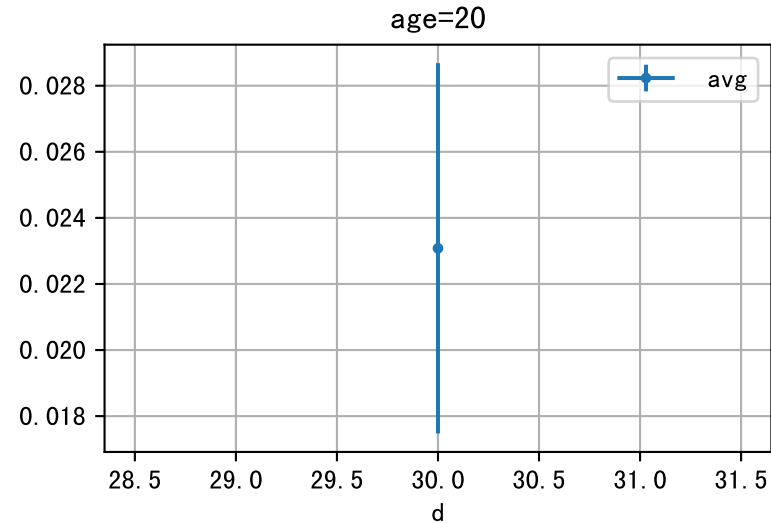
FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na



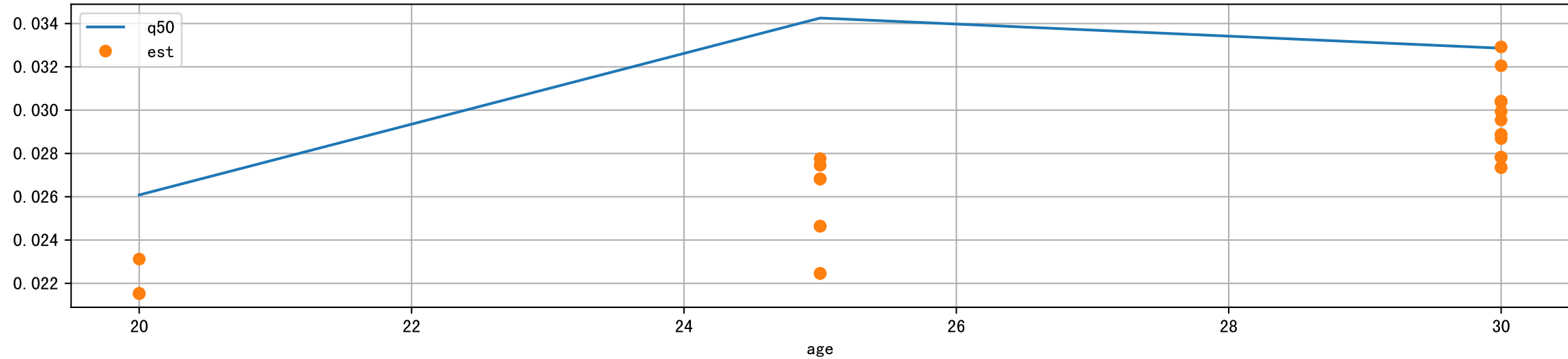
NNgen (Def=10 Set=7)
avg1=7.0~8% avg2=7.4



LfA: avg vs. d at each age group

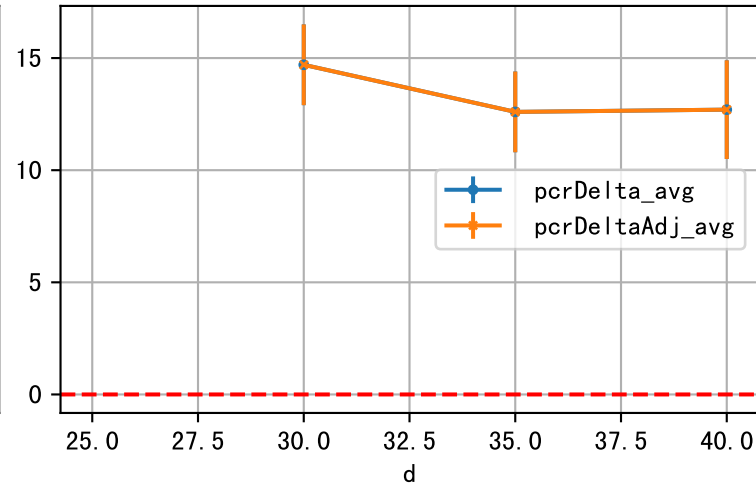


LfA: model est vs obs0v@Q50

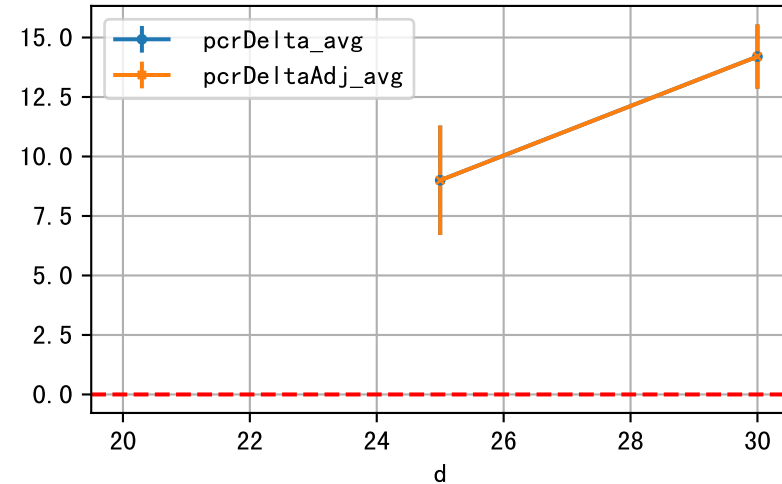


P3-2 LfA: D_5d_LfA

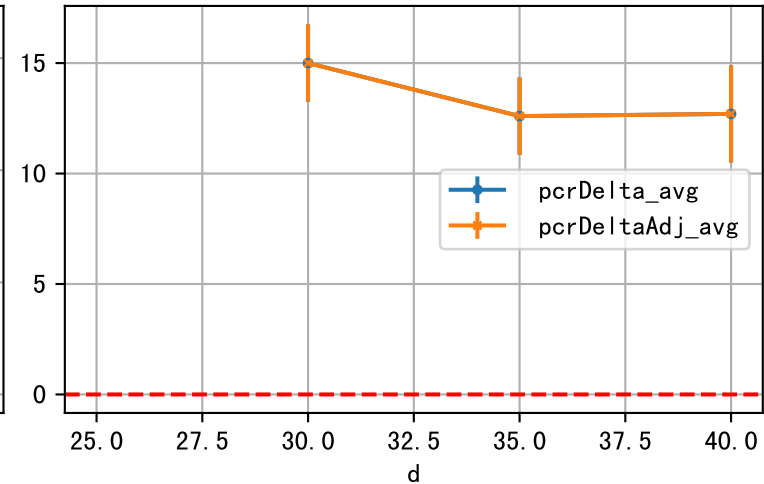
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

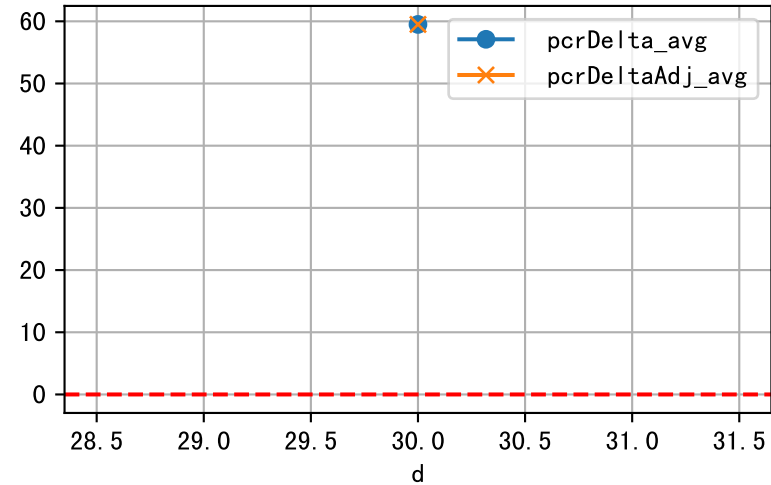


DeltaTypeAbbr=Wei AvgByD

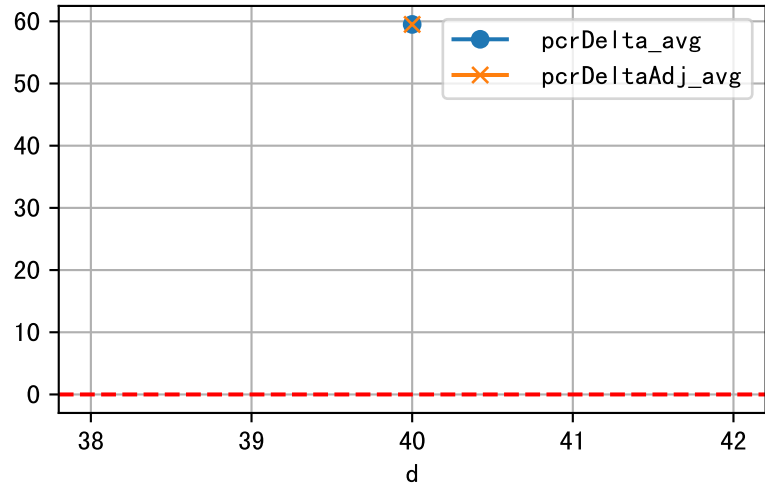


P3-2 LfA: D_15d_LfA

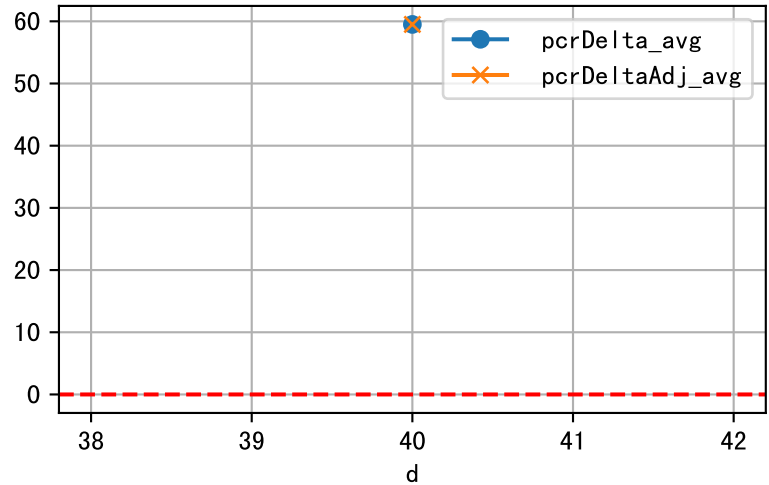
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

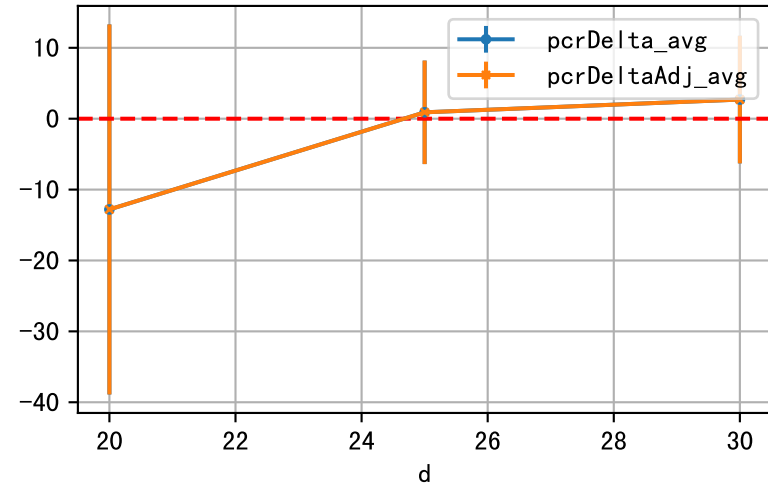


DeltaTypeAbbr=WeiAvgByD

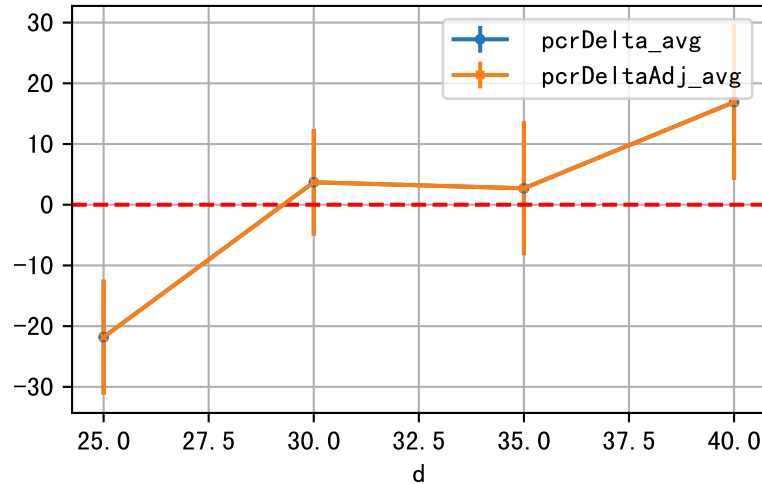


P3-2 LfA: D_Q50_LfA

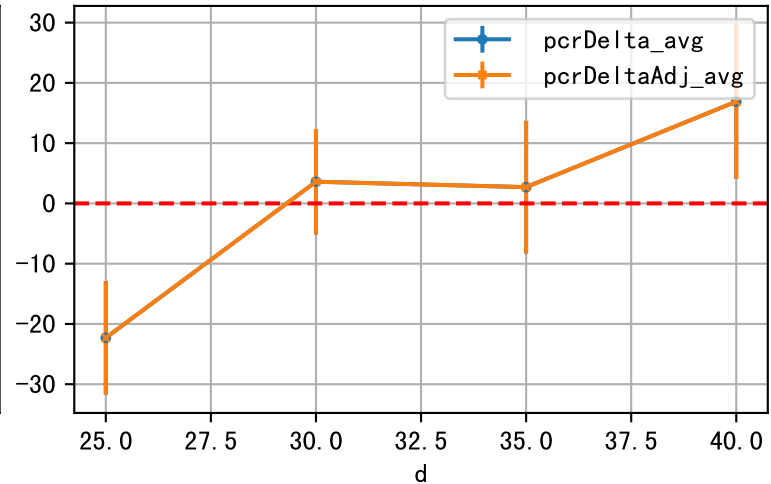
DeltaTypeAbbr=GrpByAge



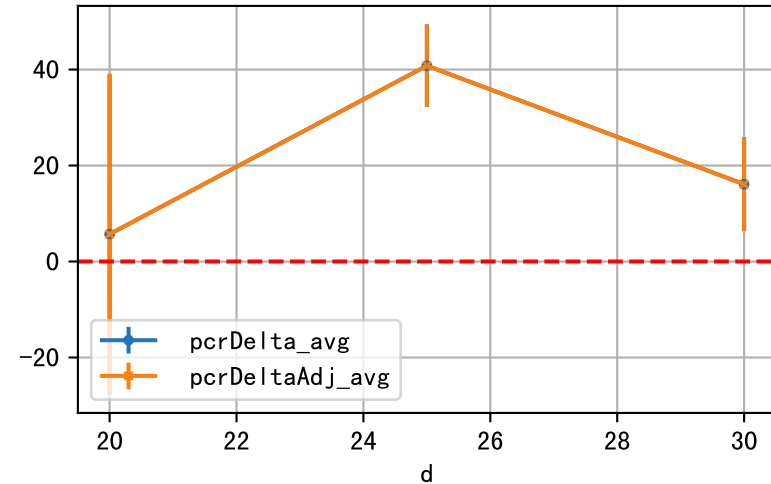
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

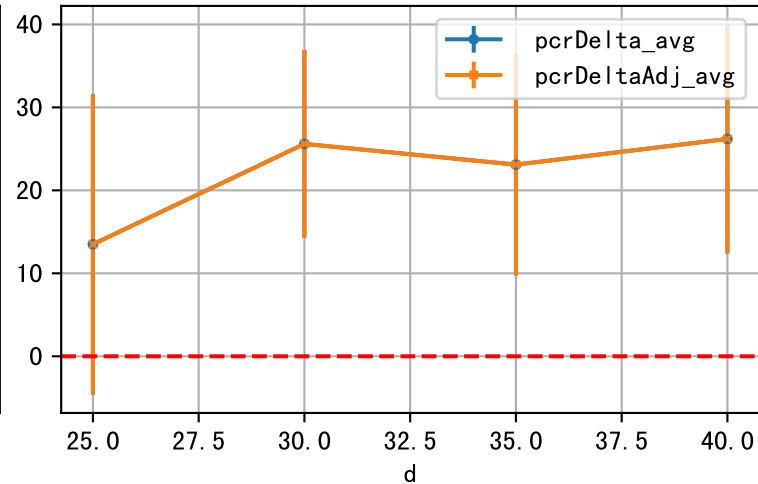


DeltaTypeAbbr=GrpByAge

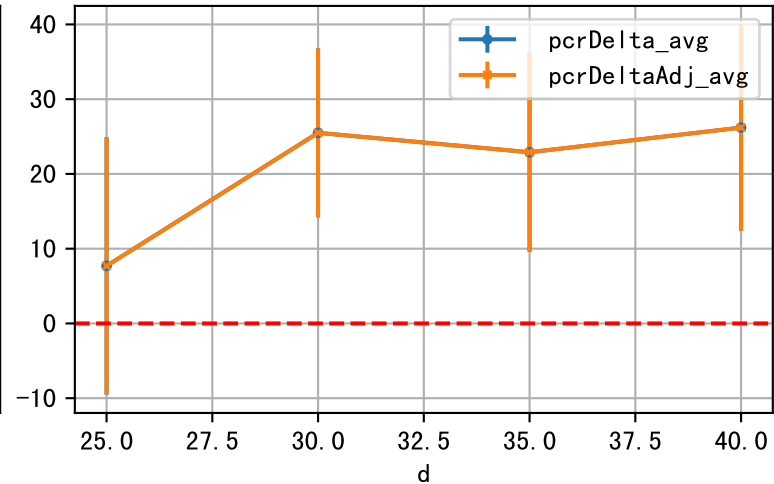


P3-2 LfA: D_Est_LfA

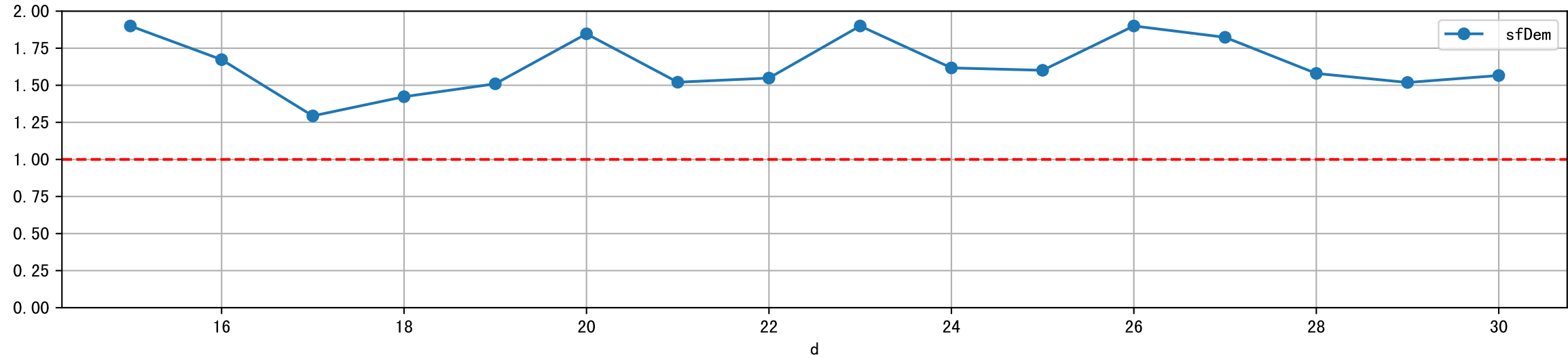
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD



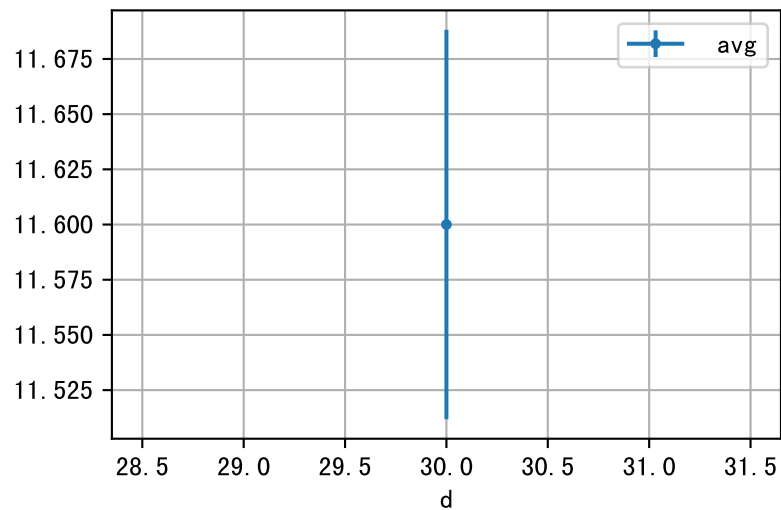
LfA: sfDem



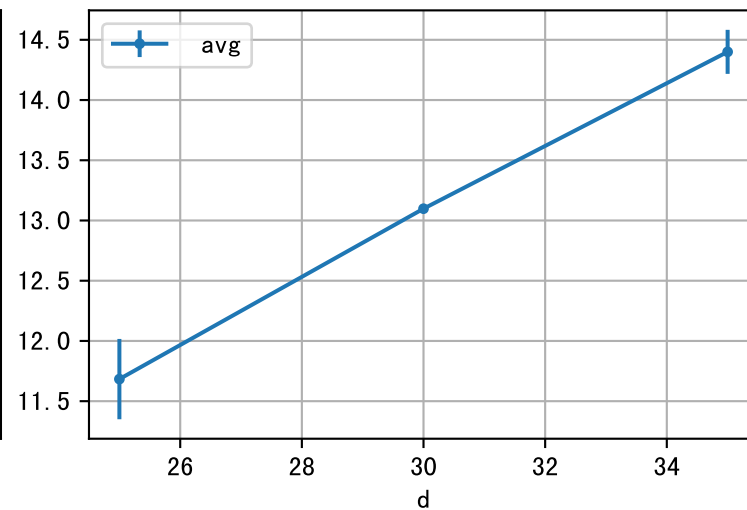


NdD: avg vs. d at each age group

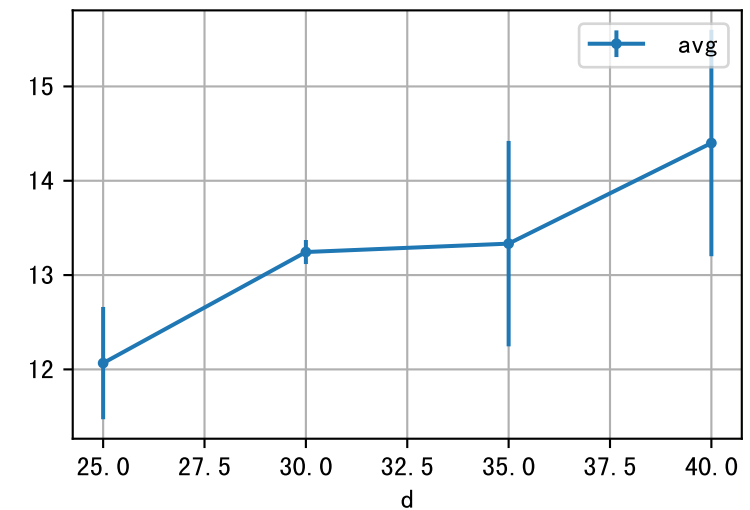
age=20



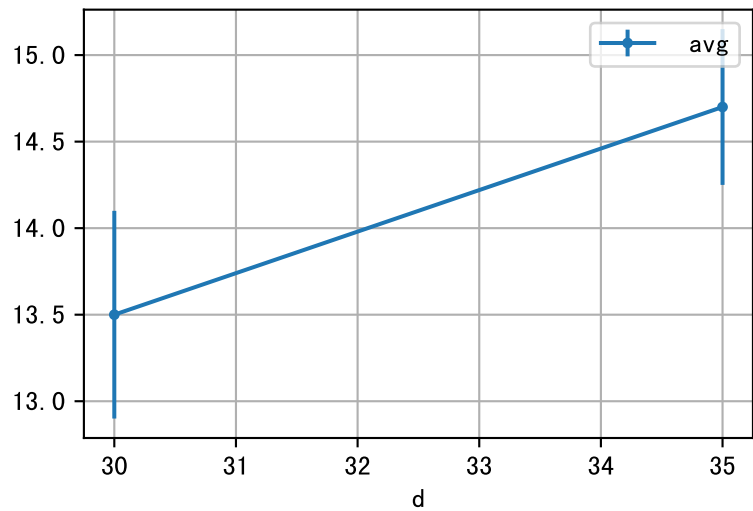
age=25



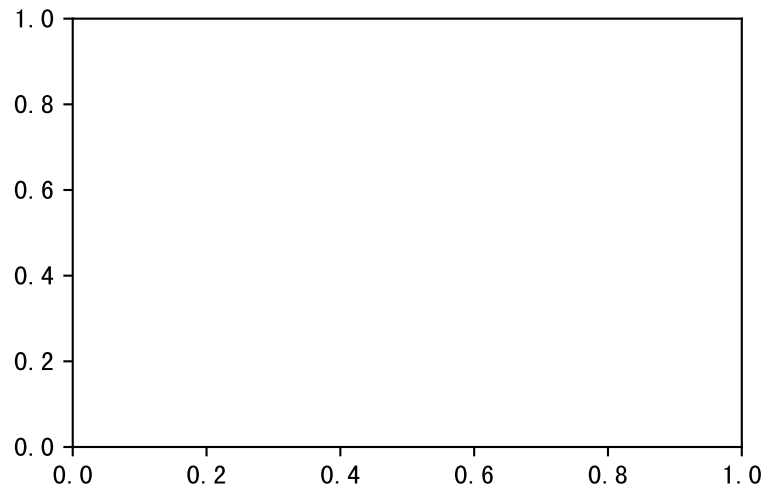
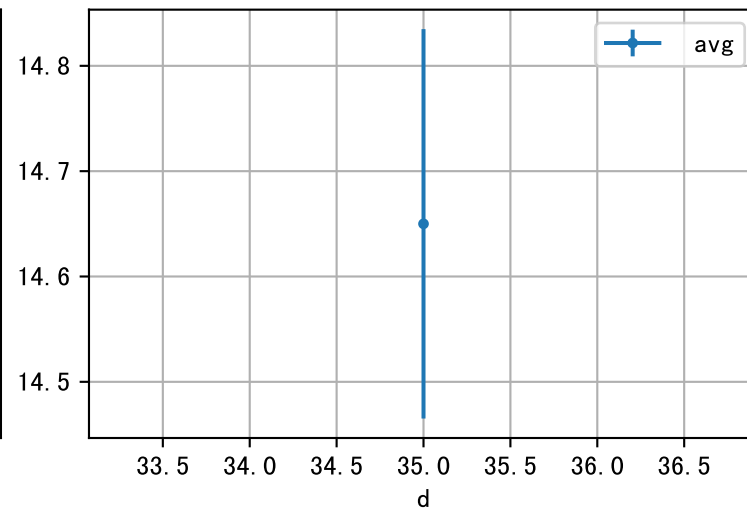
age=30



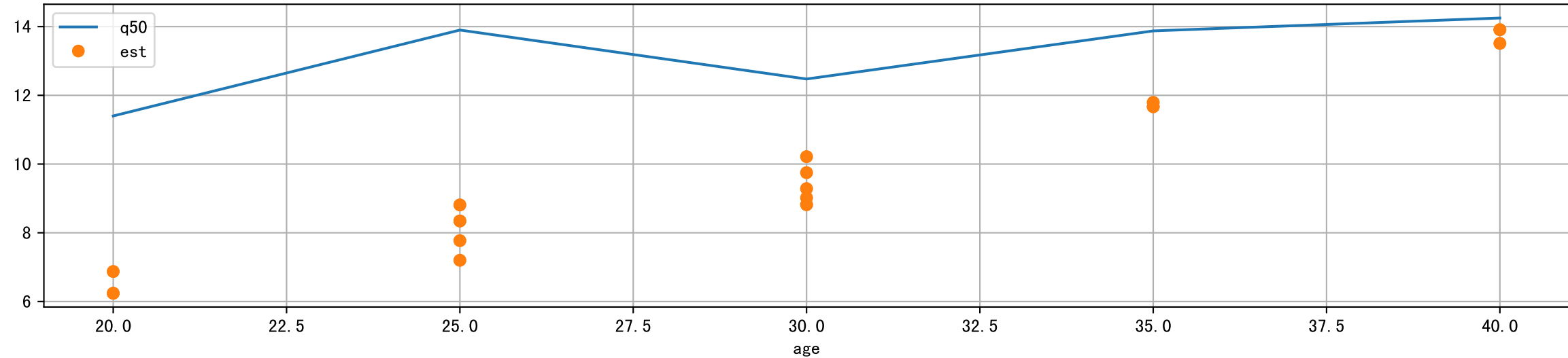
age=35



age=40

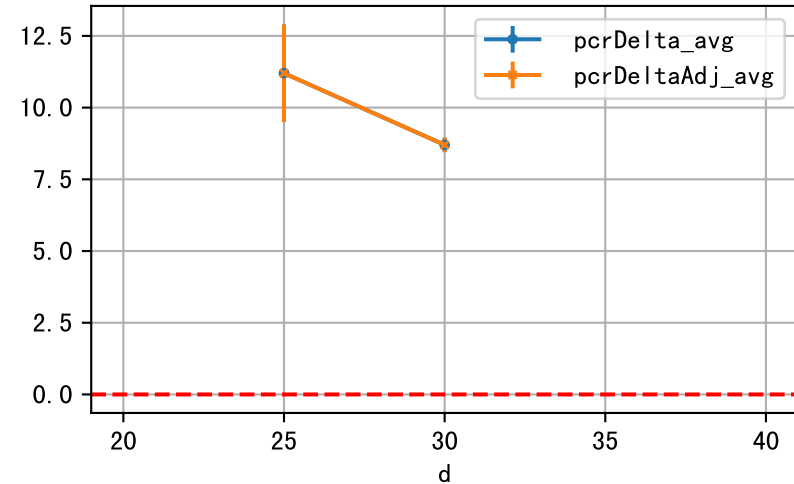


NdD: model est vs obs0v@Q50

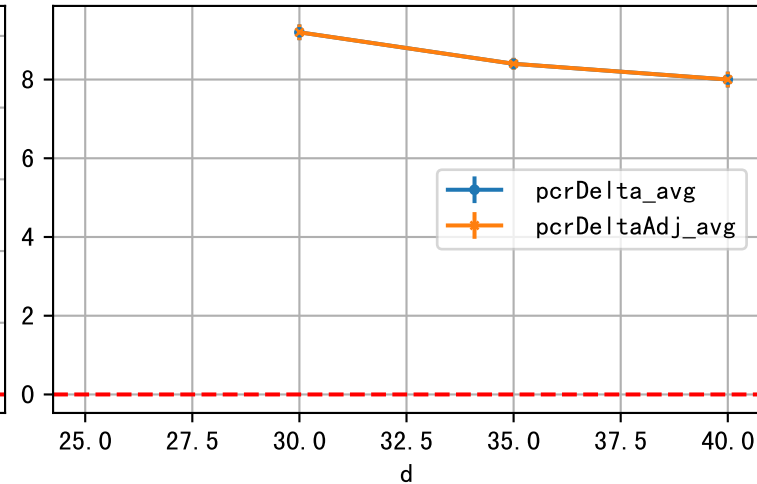


P3-2 NdD: D_5d_NdD

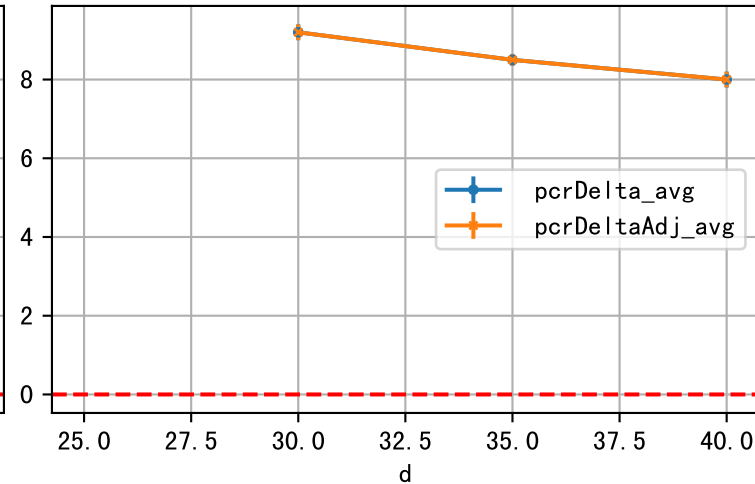
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

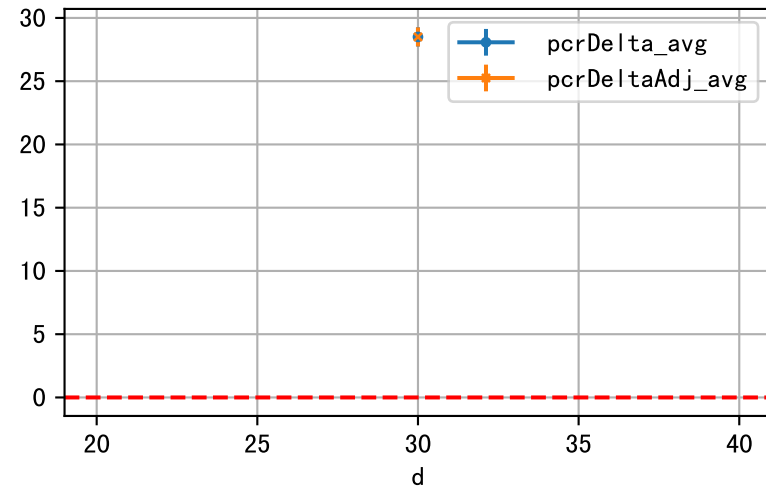


DeltaTypeAbbr=Wei AvgByD

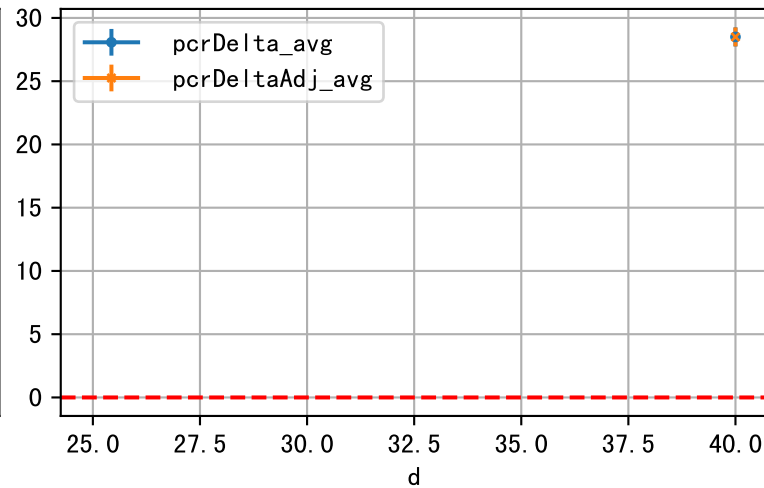


P3-2 NdD: D_15d_NdD

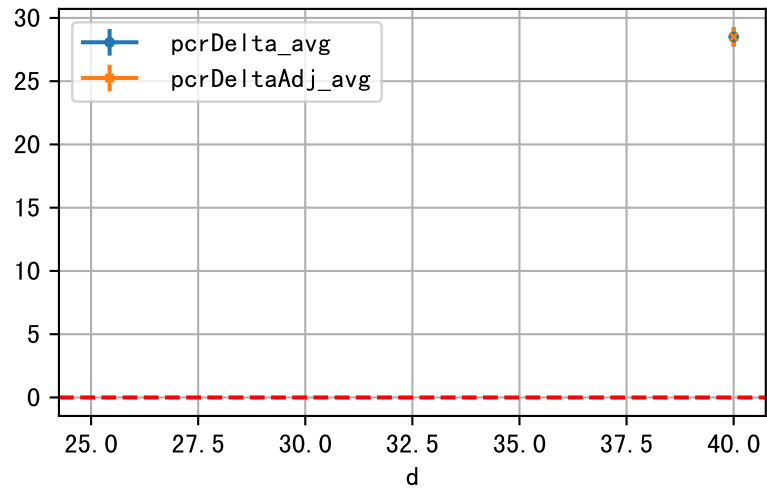
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

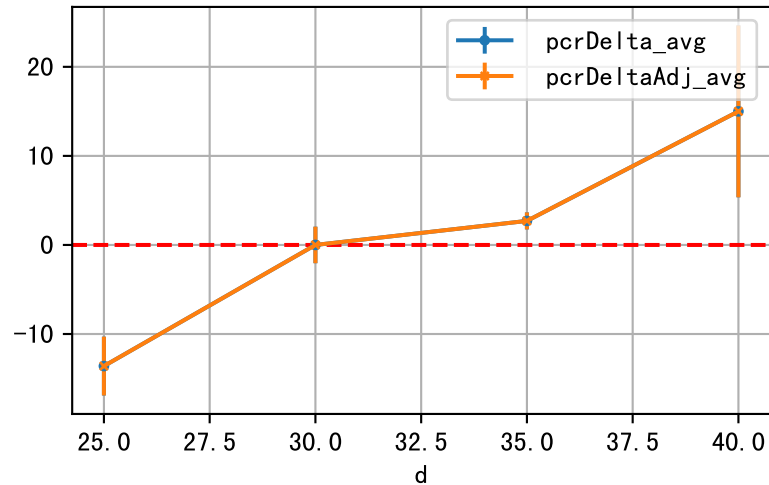


DeltaTypeAbbr=WeiAvgByD

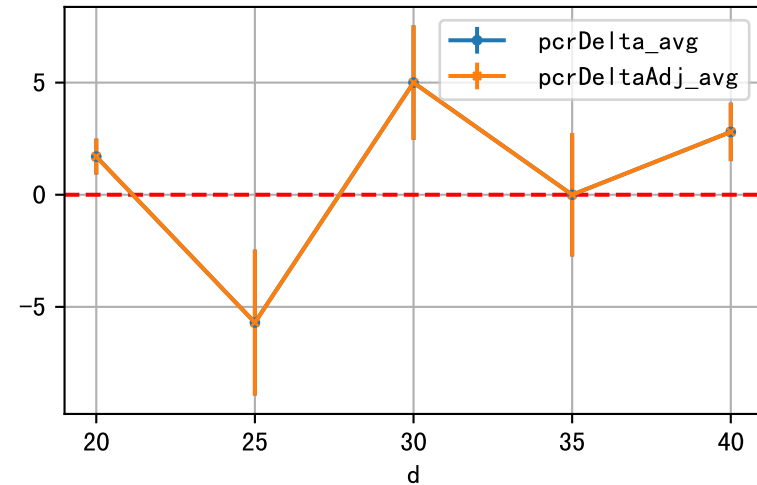


P3-2 NdD: D_Q50_NdD

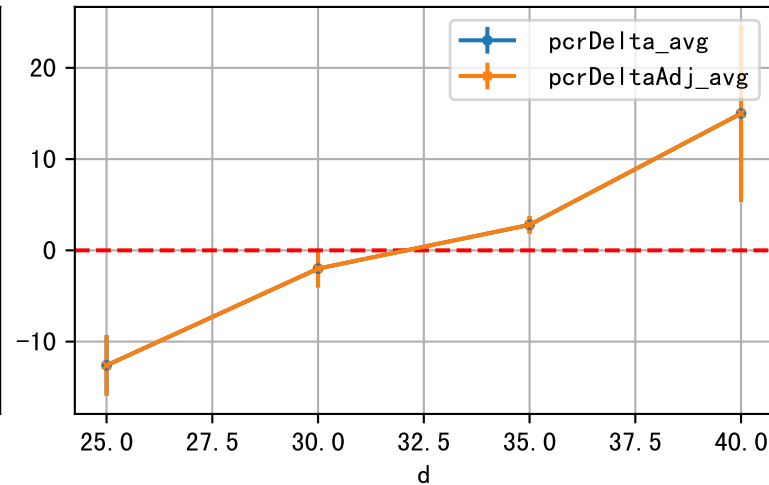
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

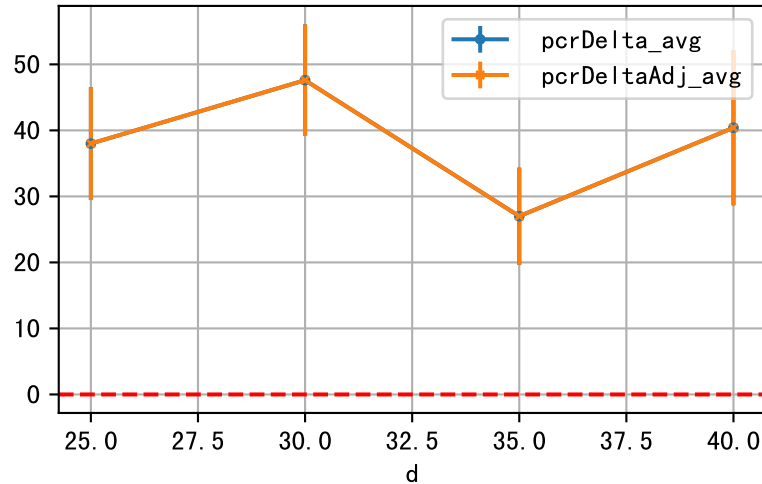


DeltaTypeAbbr=Wei AvgByD

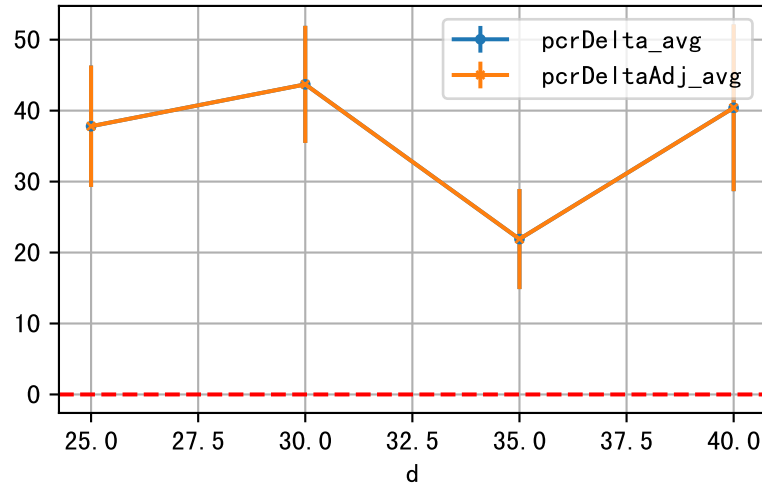


P3-2 NdD: D_Est_NdD

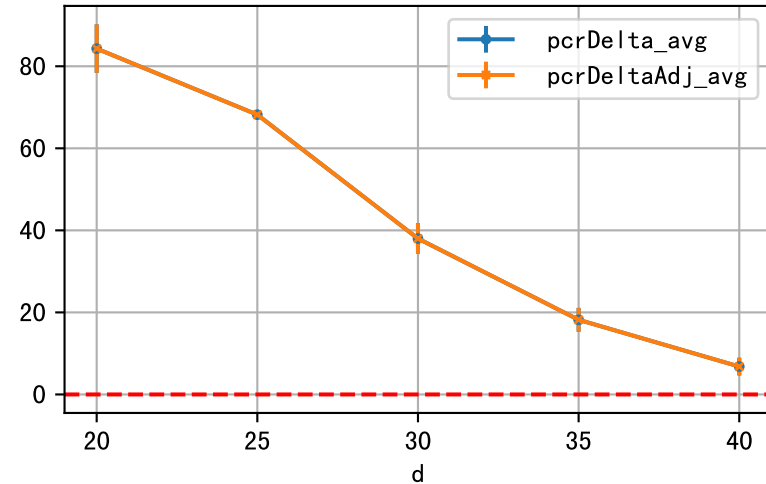
DeltaTypeAbbr=GrpByDay



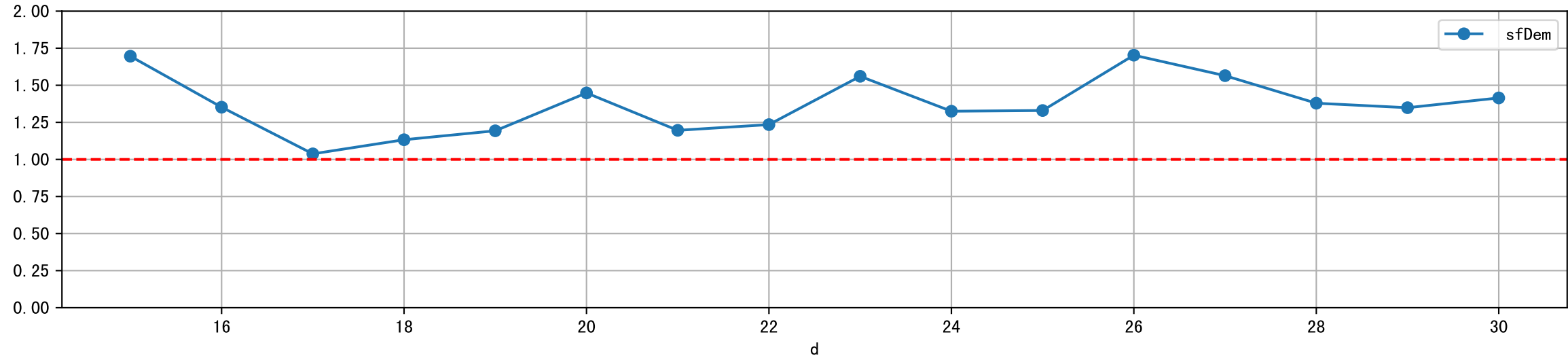
DeltaTypeAbbr=WeiAvgByD



DeltaTypeAbbr=GrpByAge

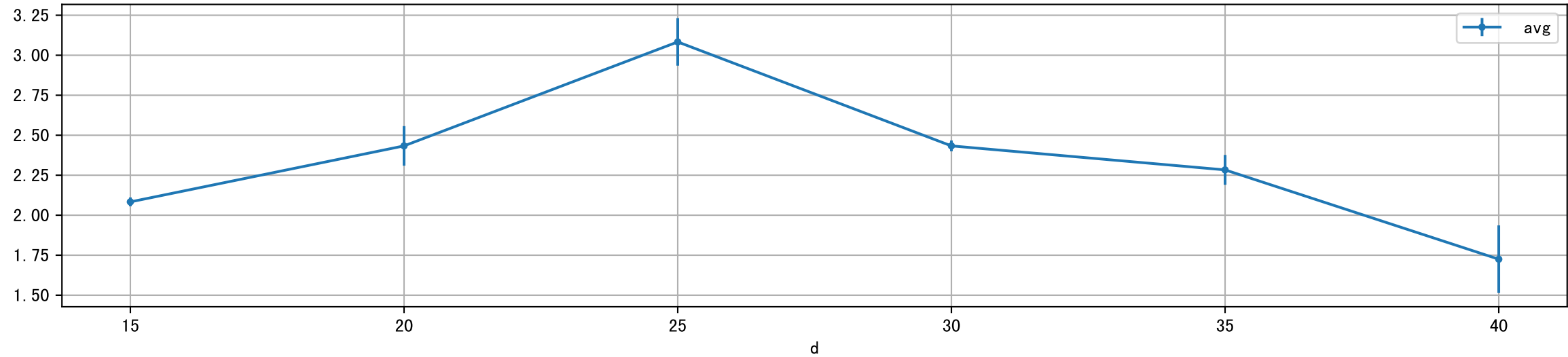


NdD: sfDem

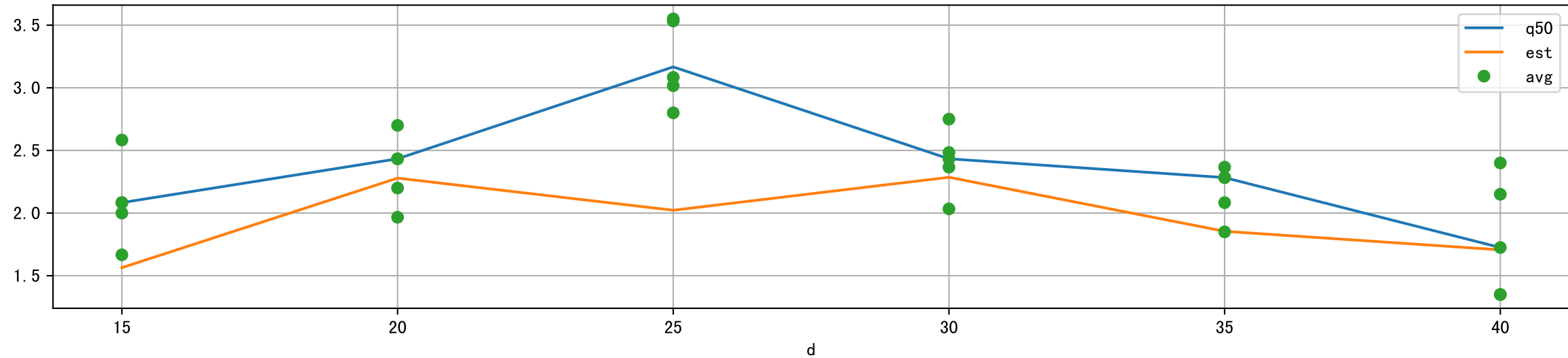




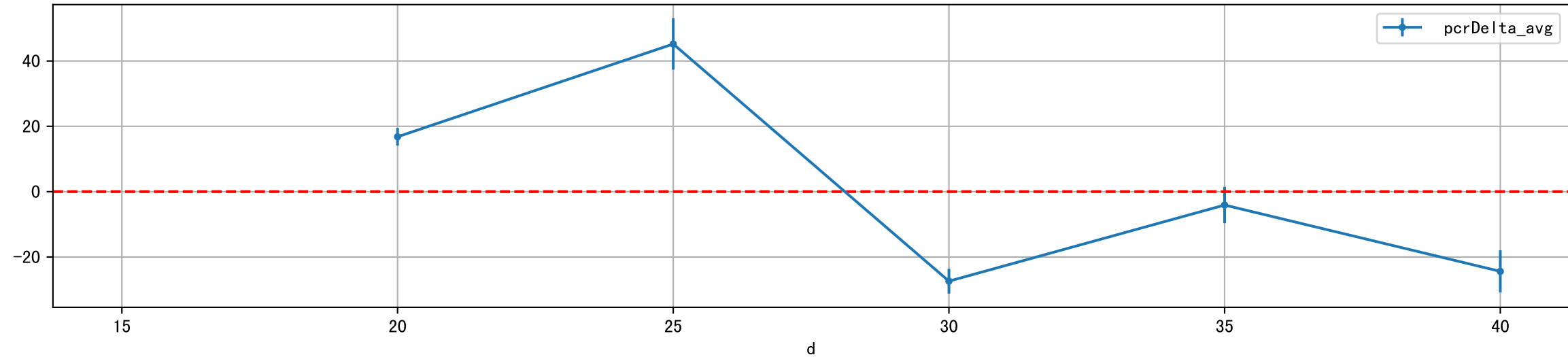
dStH: avg vs. d



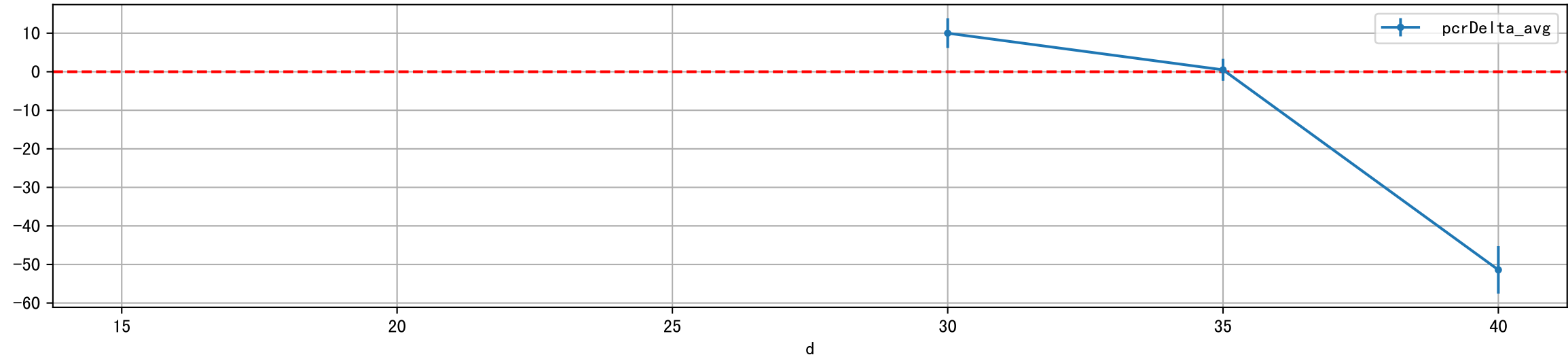
dStH: obsAvg vs obs0v@Q50



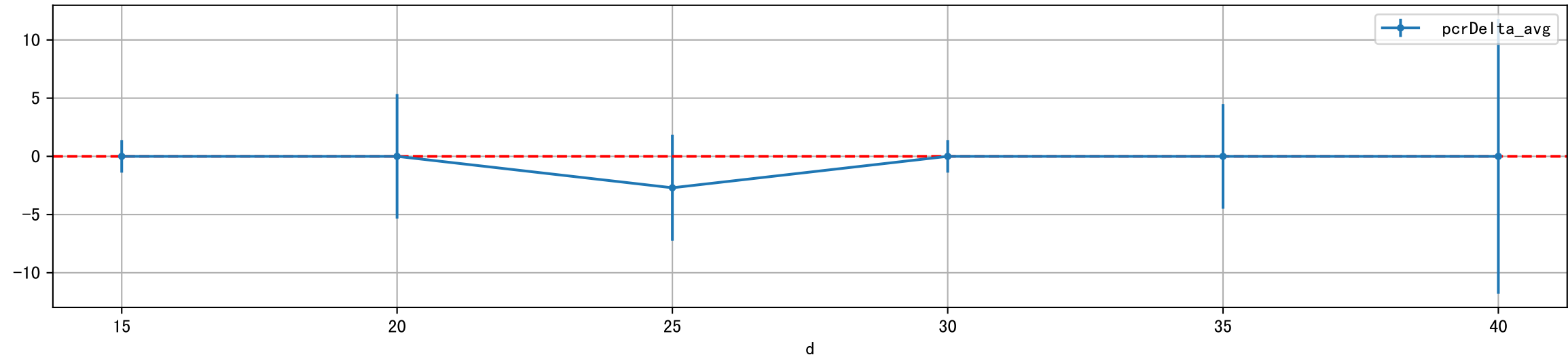
dStH: D_5d_StH



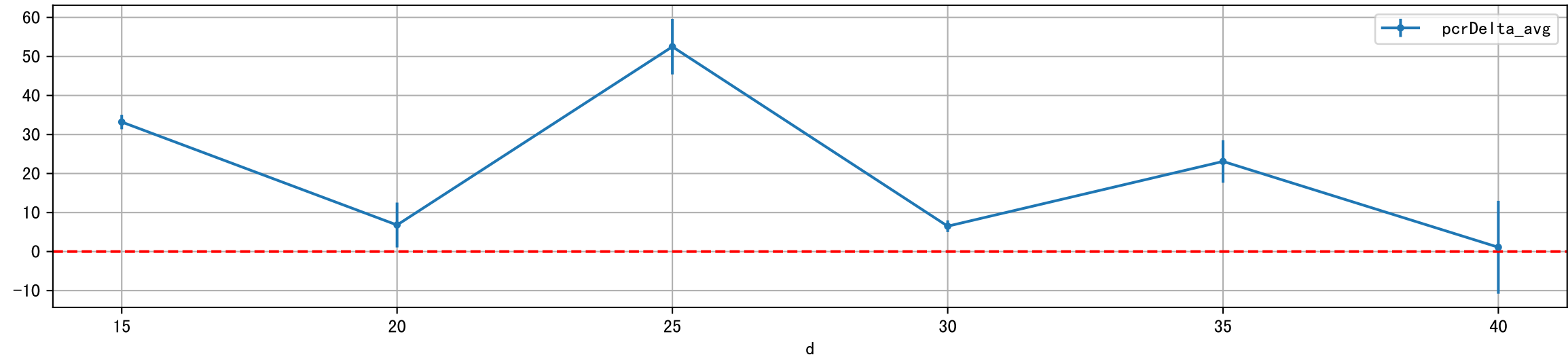
dStH: D_15d_StH



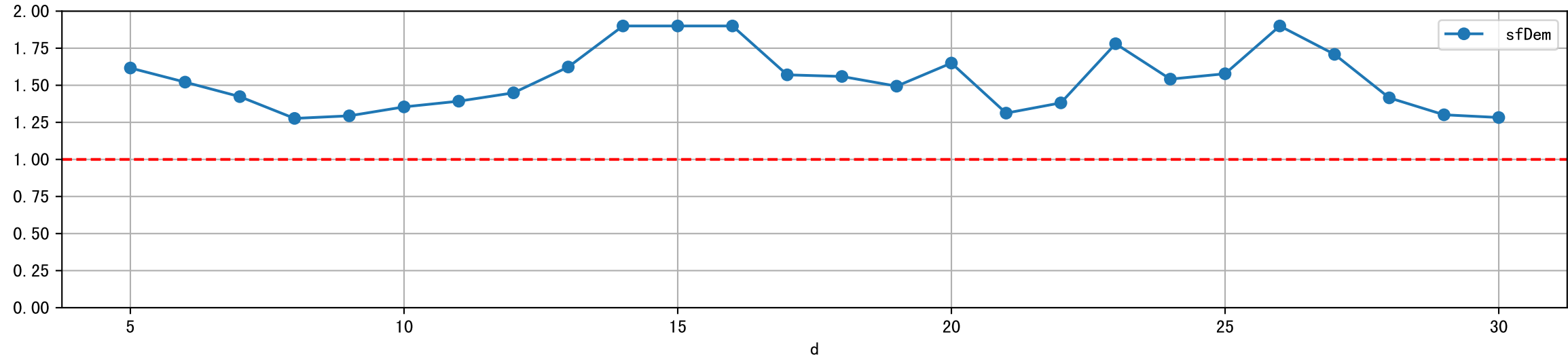
dStH: D_Q50_StH

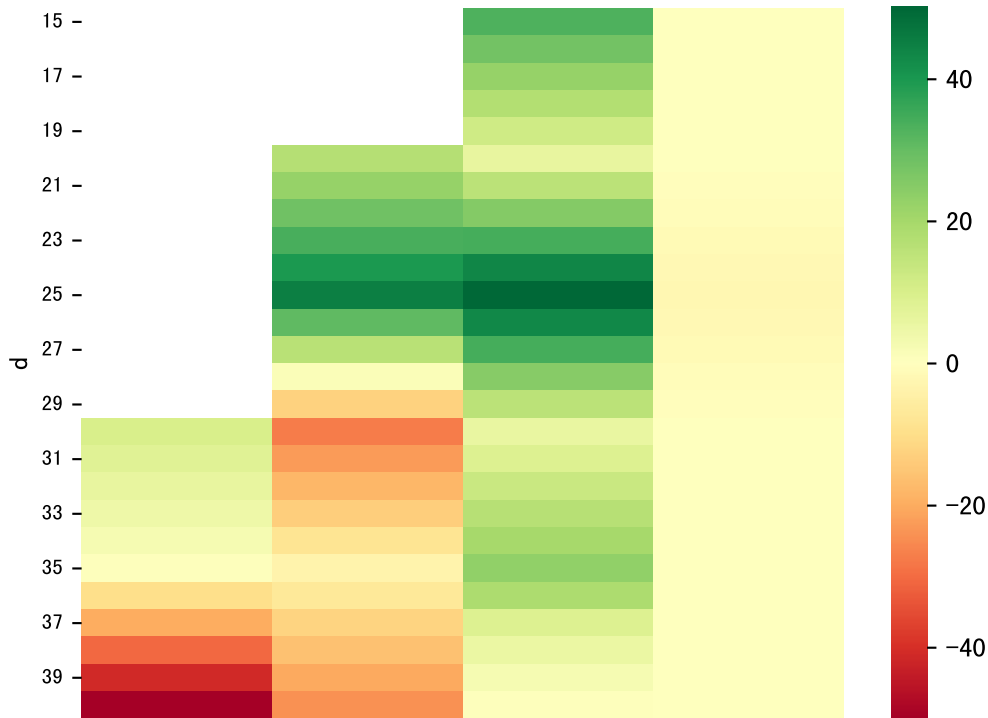


dStH: D_Est_StH

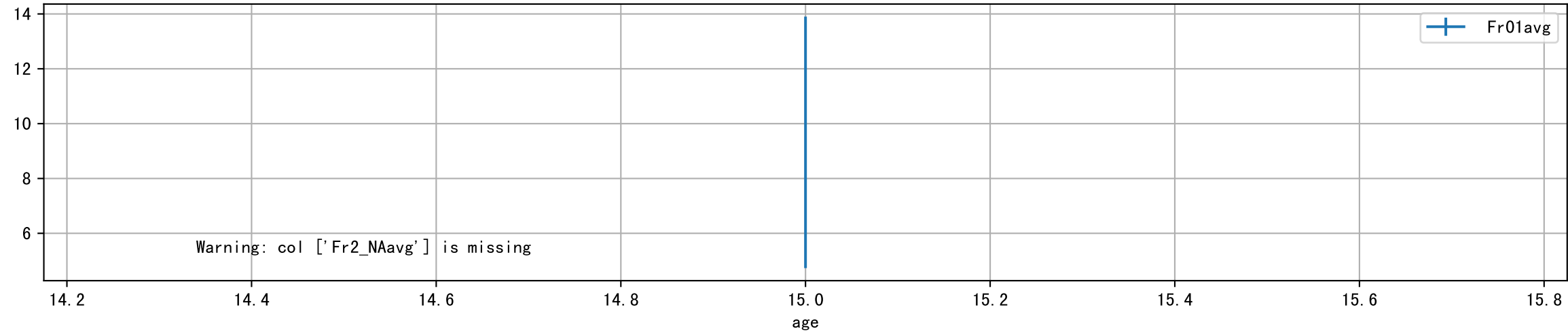


dStH: sfDem



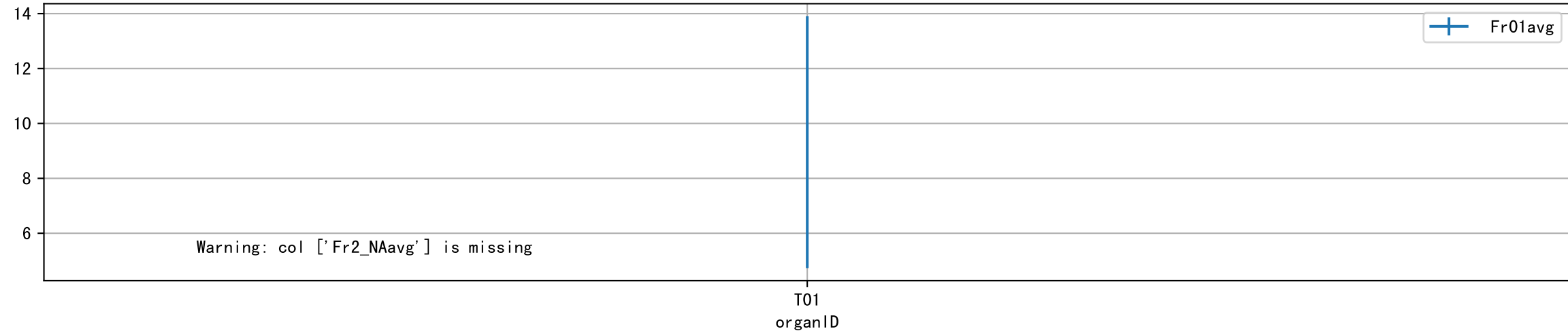


FrV: Fr01 vs Fr2_NA at each truss
organID=T01

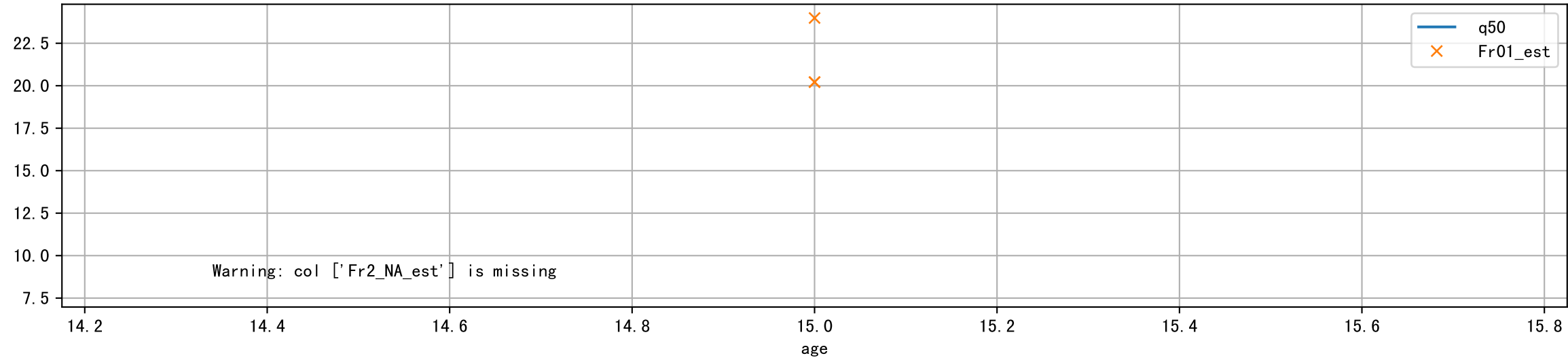


FrV trend at each age

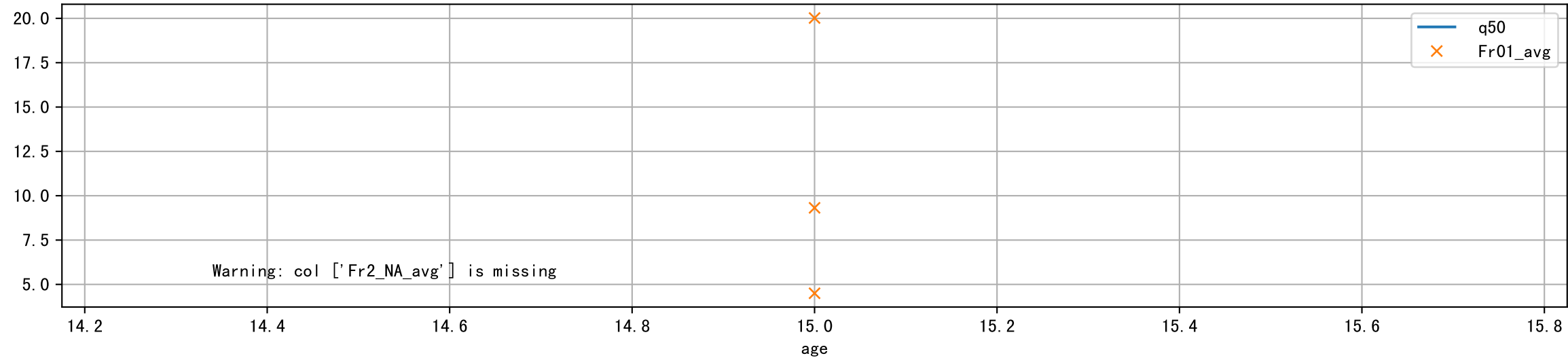
age=15



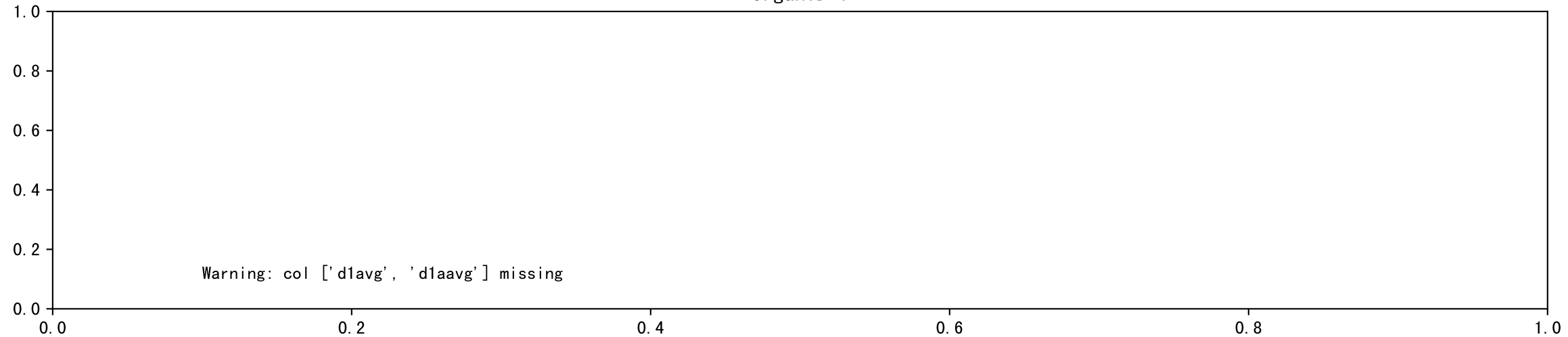
FrV: model Est vs obsFrV at Q90



FrV: obsFrV vs obsFrV@Q90

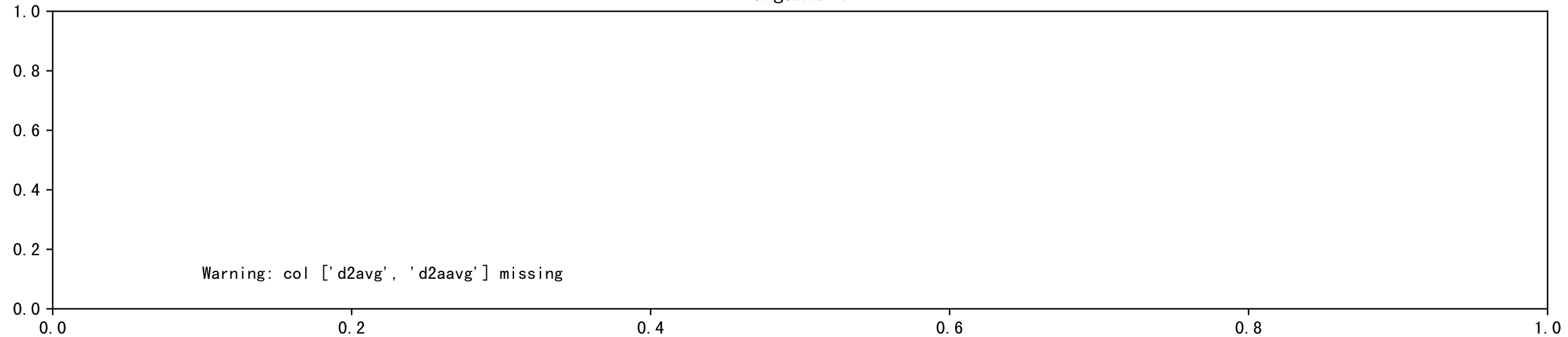


FrV: D_Fr1_FrV
organID=1

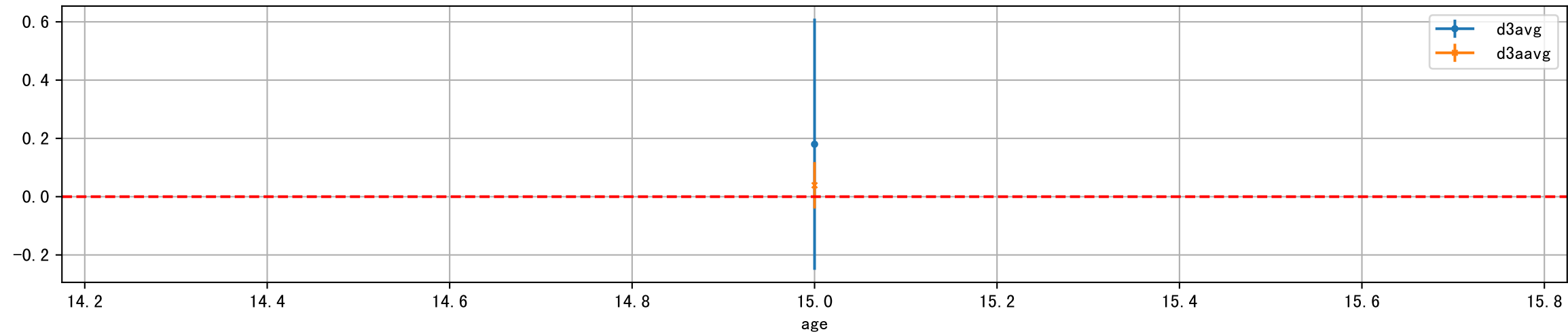


FrV: D_Ts_FrV
organID=1

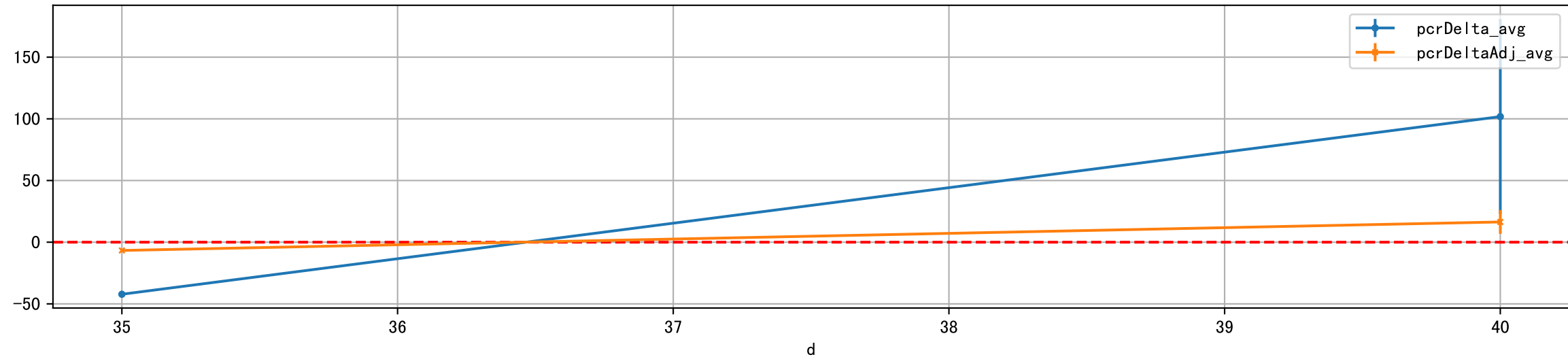
Warning: col ['d2avg', 'd2aavg'] missing



FrV: D_Q50_FrV
organID=1



P3-2 FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=1

