

Phenotype Data Analysis Plots

PhenoData day range = 12 – 45

Analysis cutoff day = 45

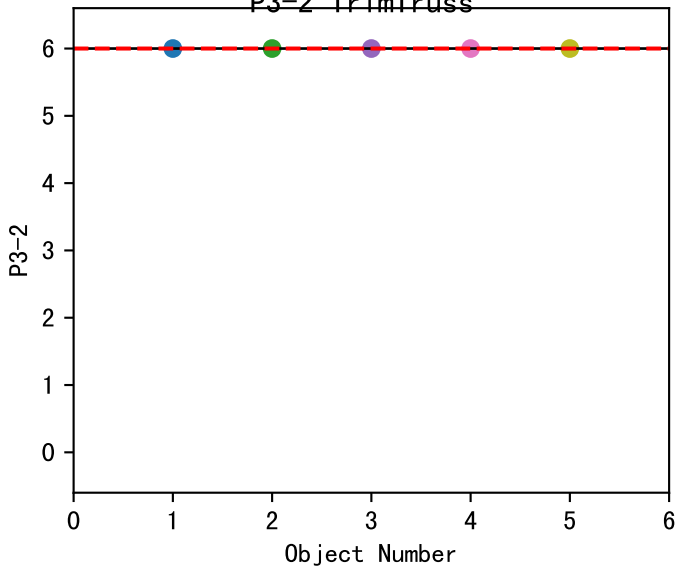
NC11 P3-2

2025-05-14 (Day 46)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

P3-2 TrimTruss



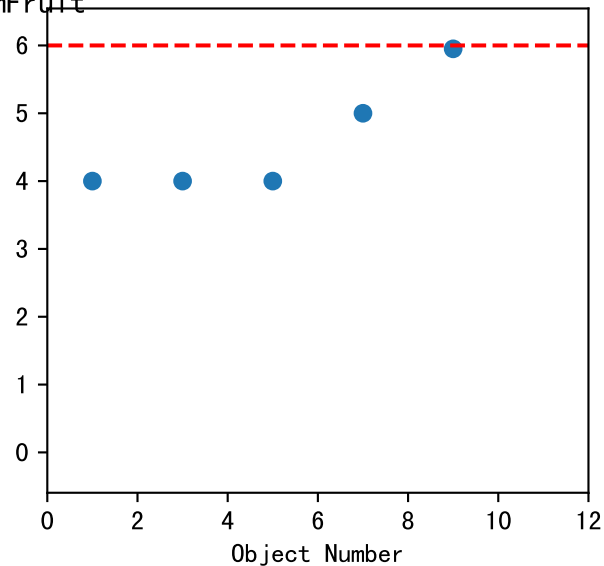
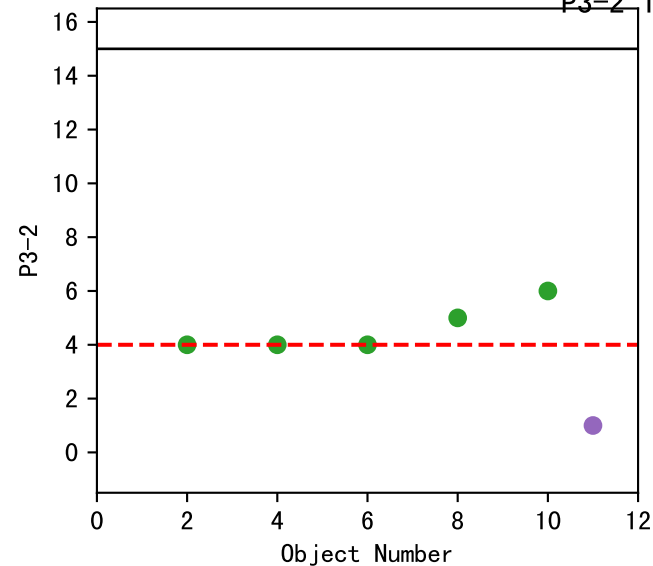
FruitNumAvgPerTruss (Def=15 Set=4)

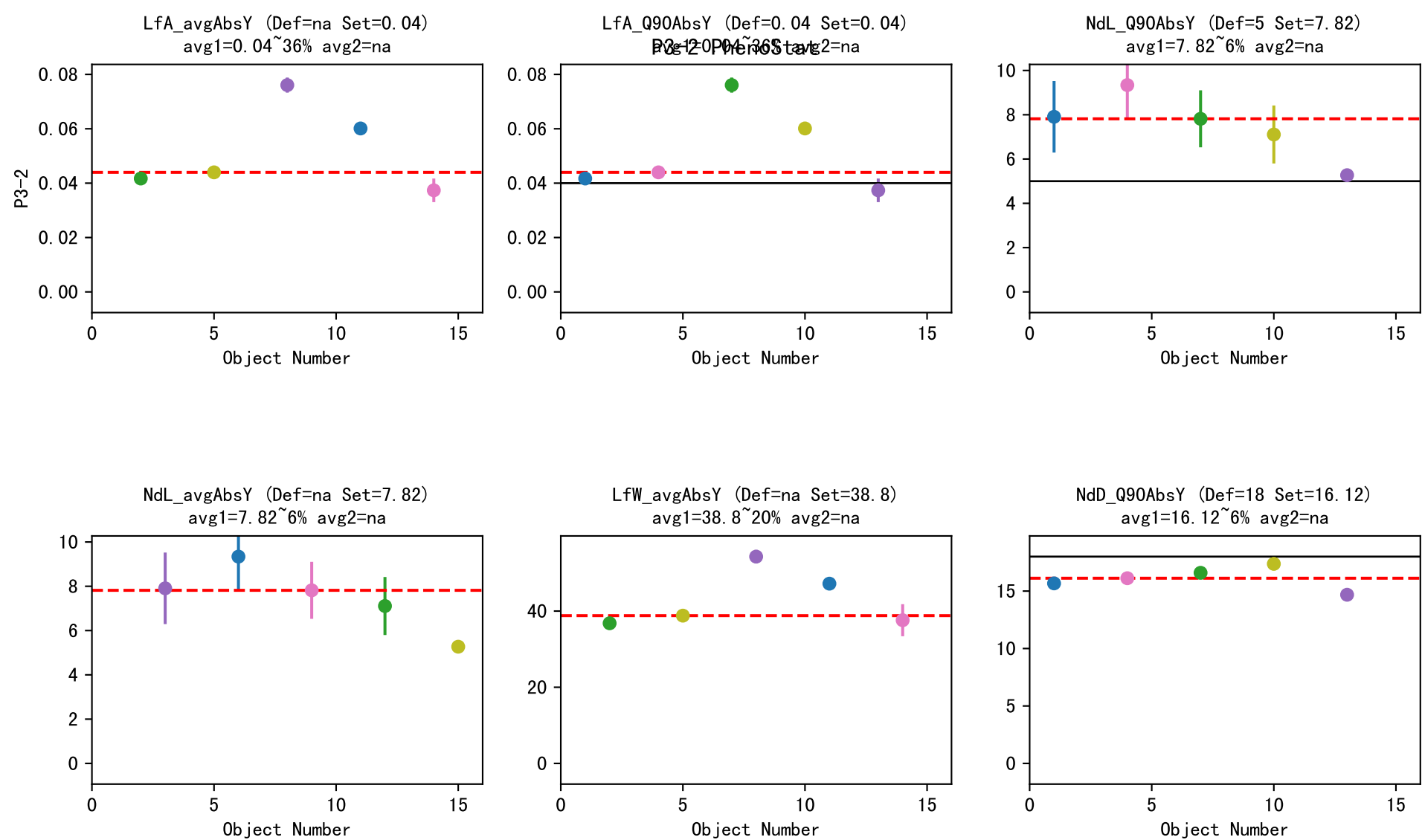
avg1=4.0~12% avg2=na

P3-2 TrimFruit

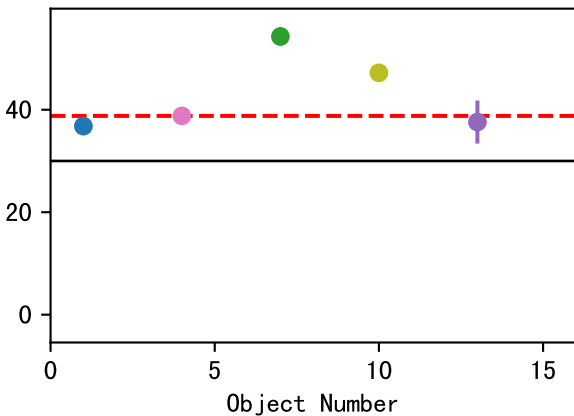
FruitNumMaxPerTruss (Def=na Set=6)

avg1=6.0~16% avg2=na

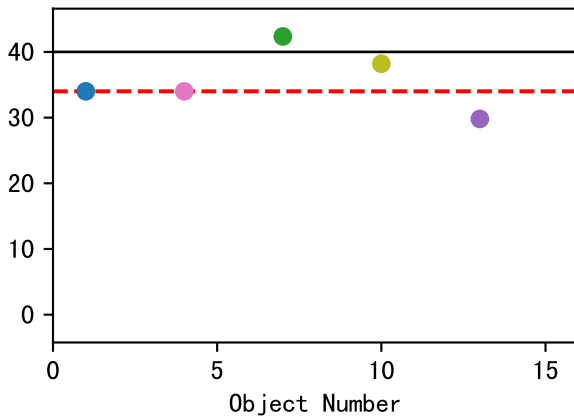




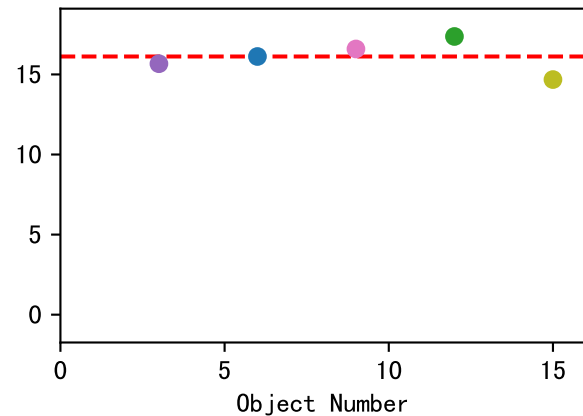
LfW_Q90AbsY (Def=30 Set=38.8)
avg1=38.8~20% avg2=na



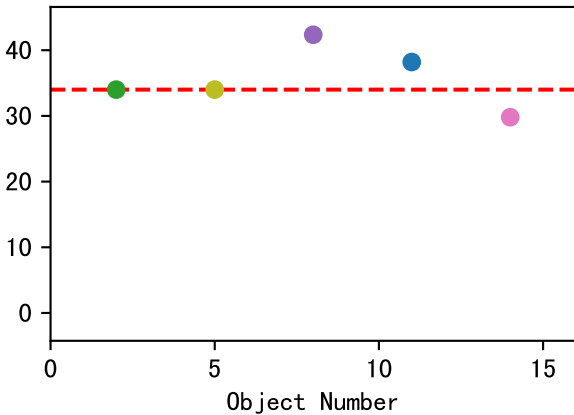
LfL_Q90AbsY (Def=40 Set=34.0)
avg1=34.0~14% avg2=na



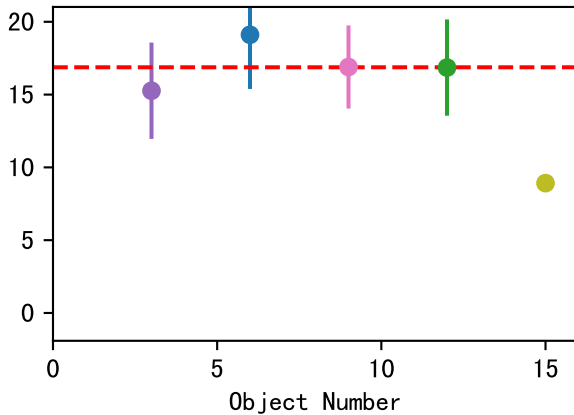
NdD_avgAbsY (Def=na Set=16.12)
avg1=16.12~6% avg2=na



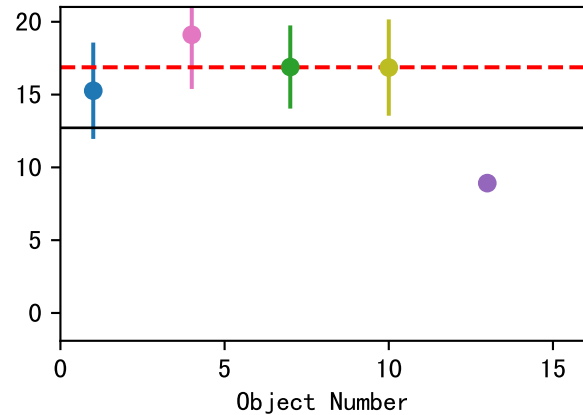
LfL_avgAbsY (Def=na Set=34.0)
avg1=34.0~14% avg2=na



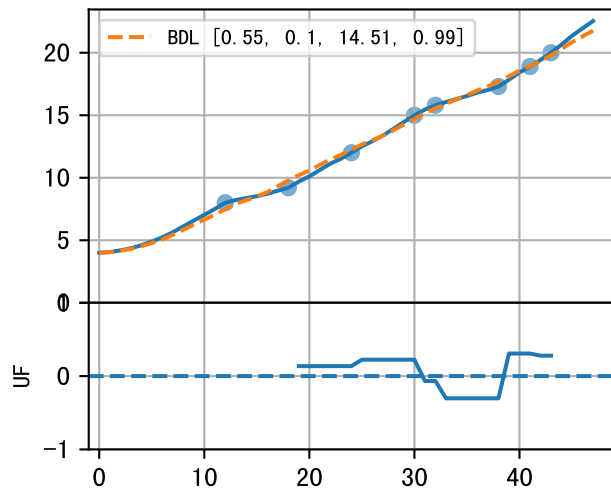
NdV_avgAbsY (Def=na Set=na)
avg1=16.87~9% avg2=na



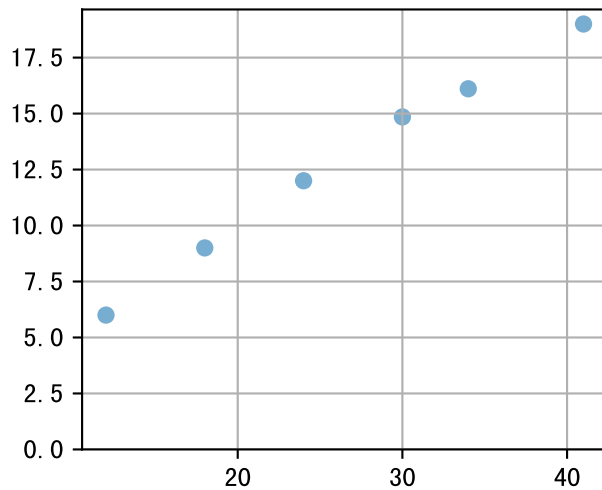
NdV_Q90AbsY (Def=12.72 Set=12.72)
avg1=16.87~9% avg2=na



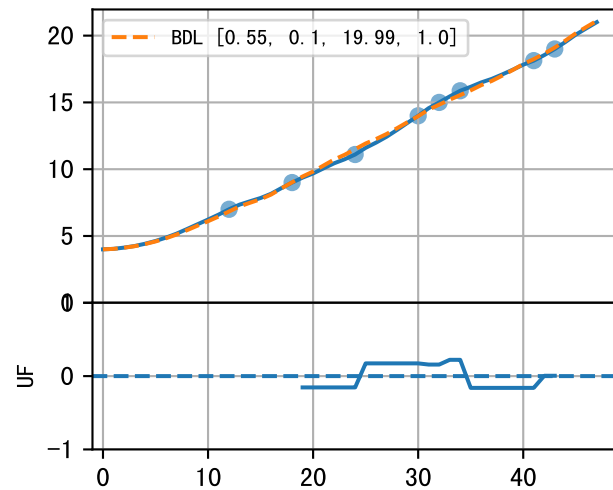
P3-2-16-21 (fit failed)



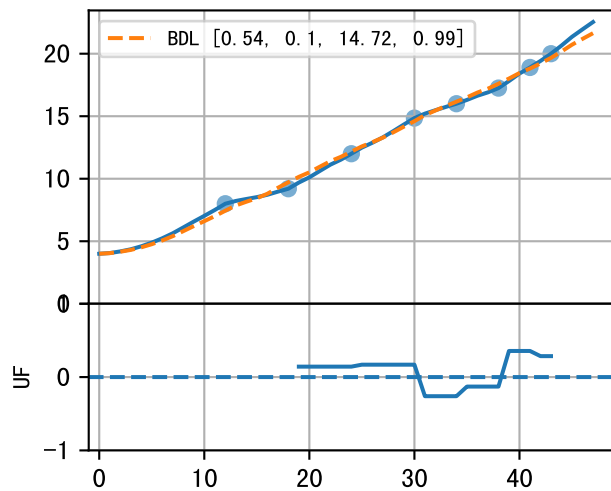
P3-2-24-18 (fit failed)



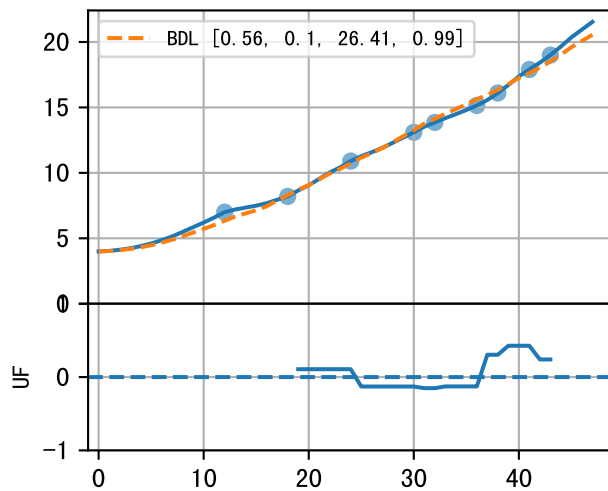
P3-2-40-6 (fit failed)



P3-2-55-28 (fit failed)



P3-2-9-8 (fit failed)

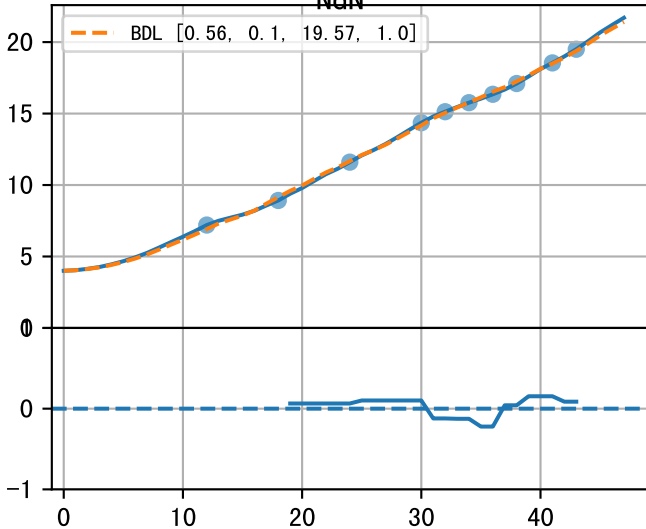


P3-2avg (fit failed)

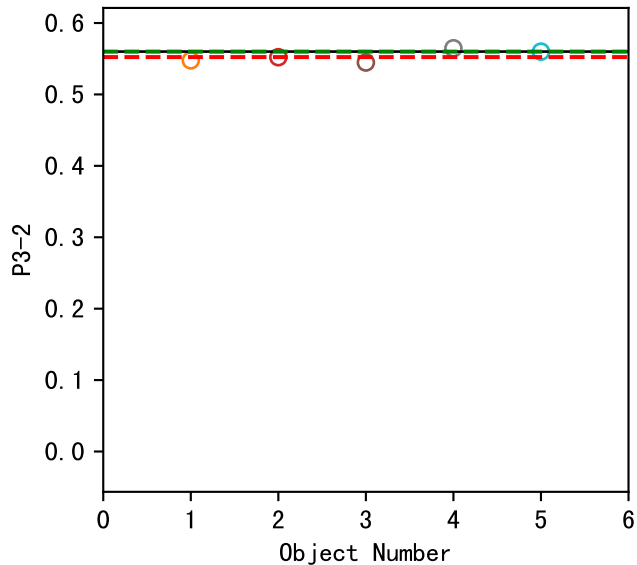
NdN

BDL [0.56, 0.1, 19.57, 1.0]

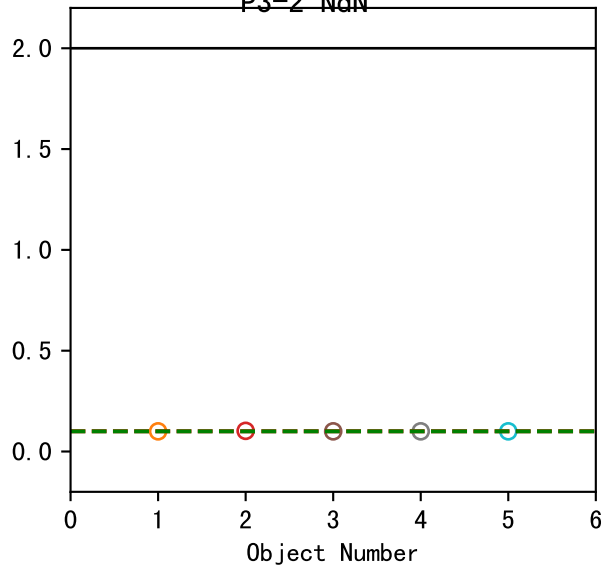
UF



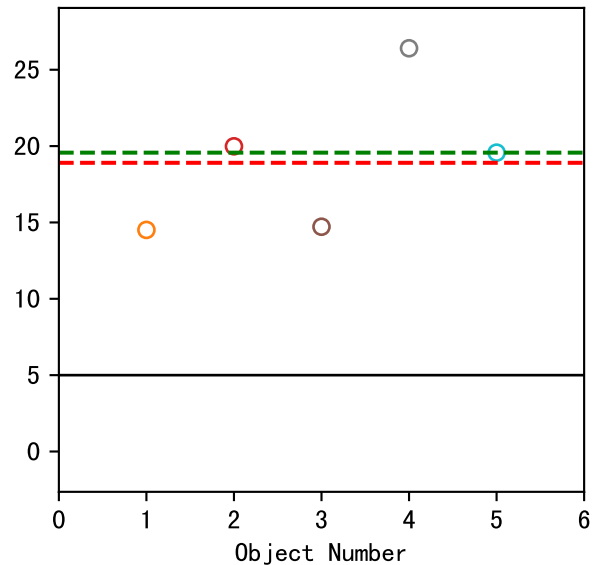
a (Def=0.56 Set=0.56)
avg1=0.55(fail) avg2=0.56



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

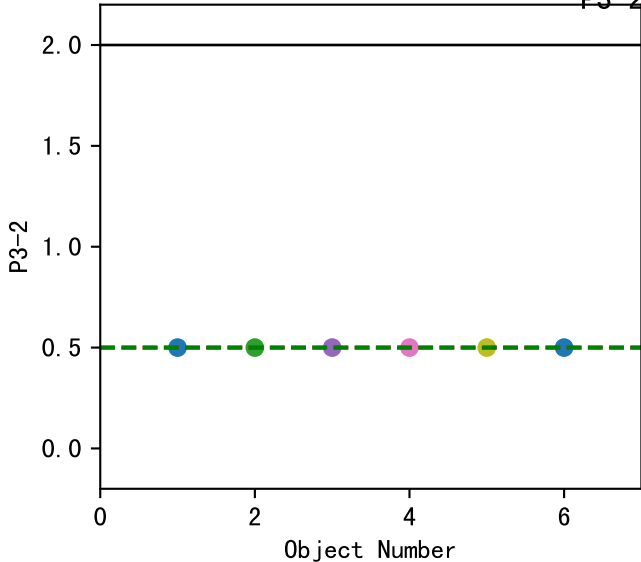


de (Def=5 Set=19.57)
avg1=18.91(fail) avg2=19.57



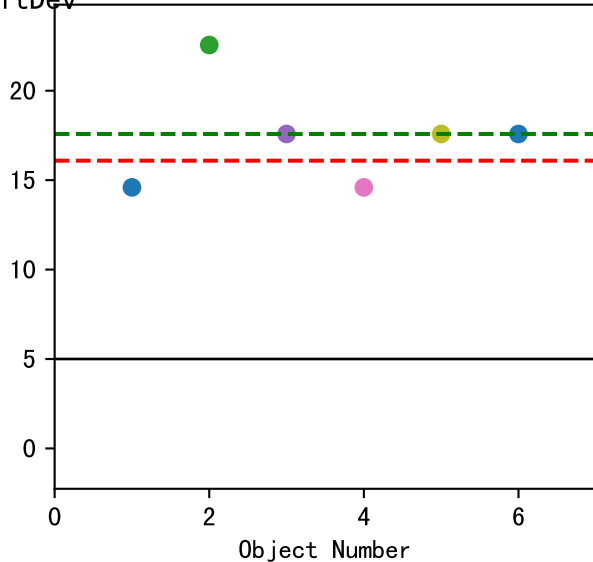
InitDev_dm (Def=2 Set=0.5)
avg1=0.5~0% avg2=0.5

P3-2

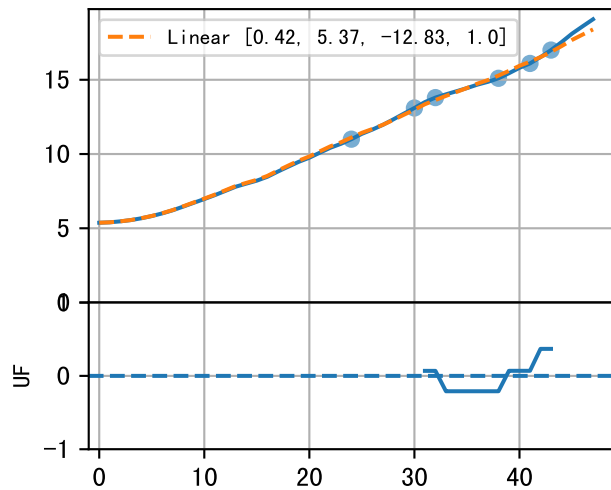


InitDev_de (Def=5 Set=17.58)
avg1=16.09~11% avg2=17.58

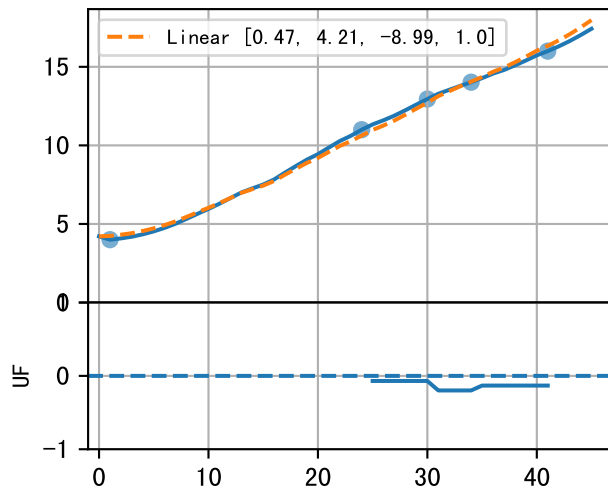
InitDev



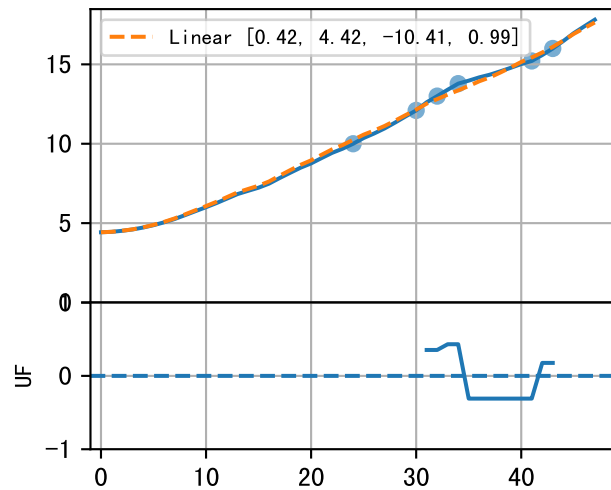
P3-2-16-21



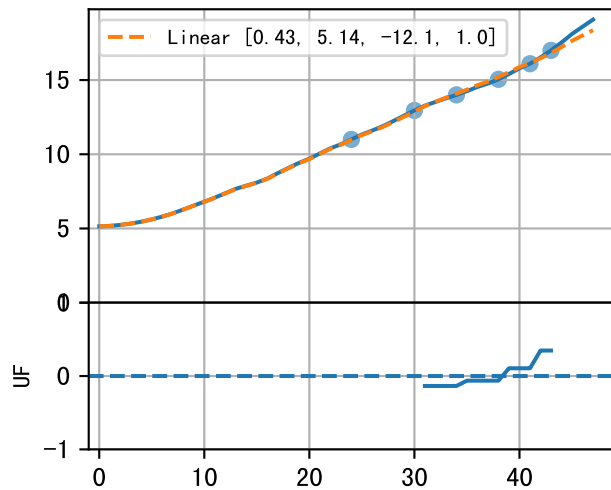
P3-2-24-18



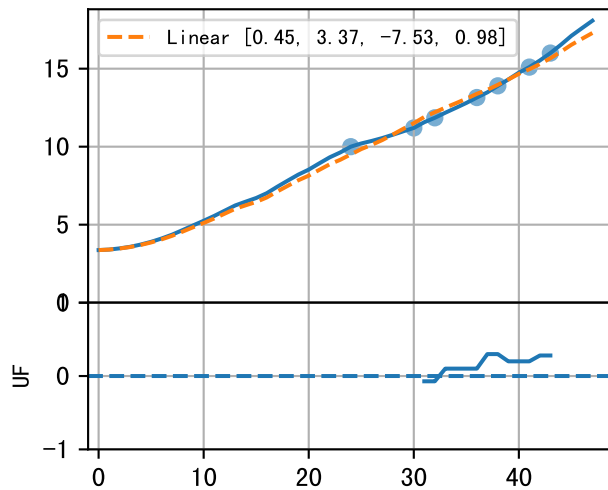
P3-2-40-6



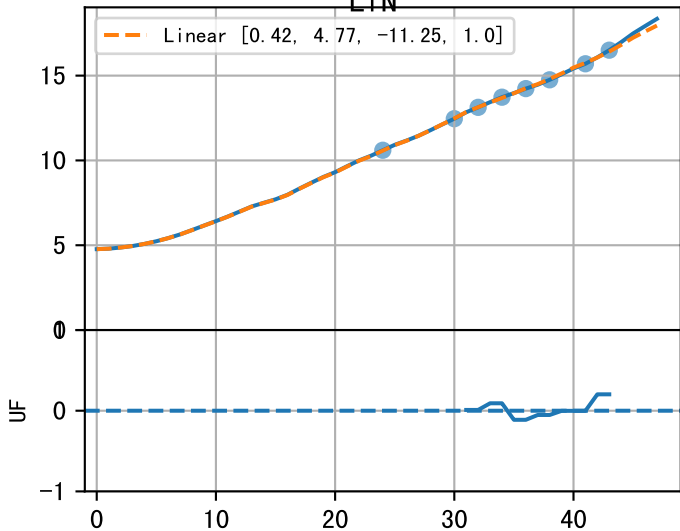
P3-2-55-28



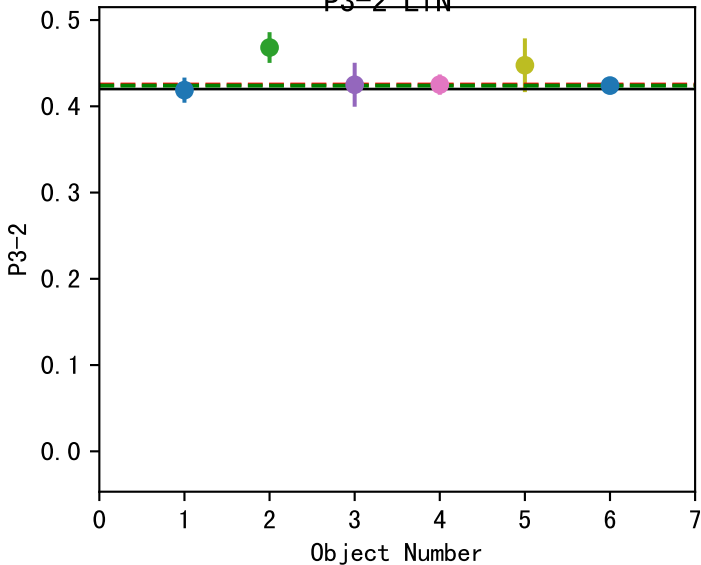
P3-2-9-8



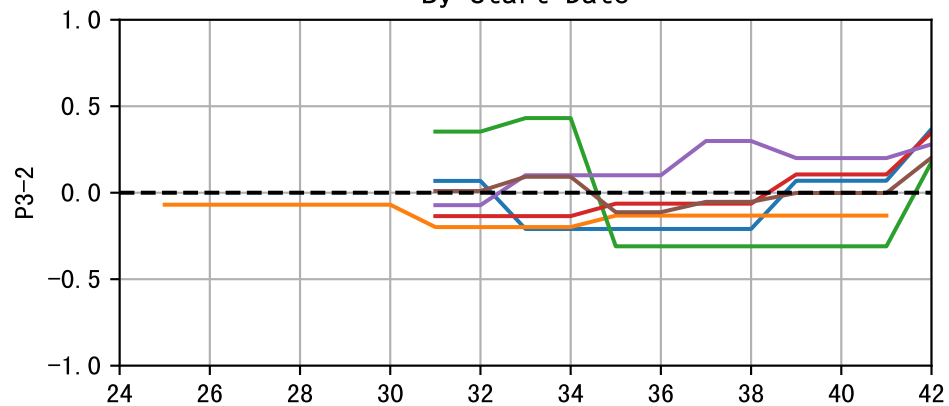
P3-2avg
Lfn



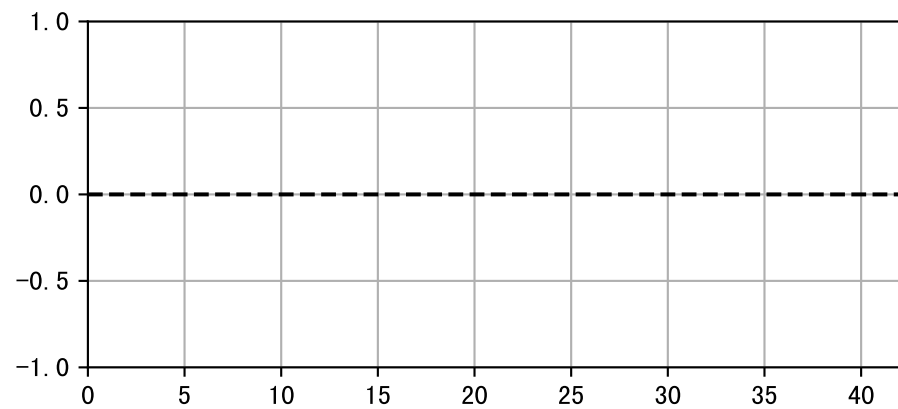
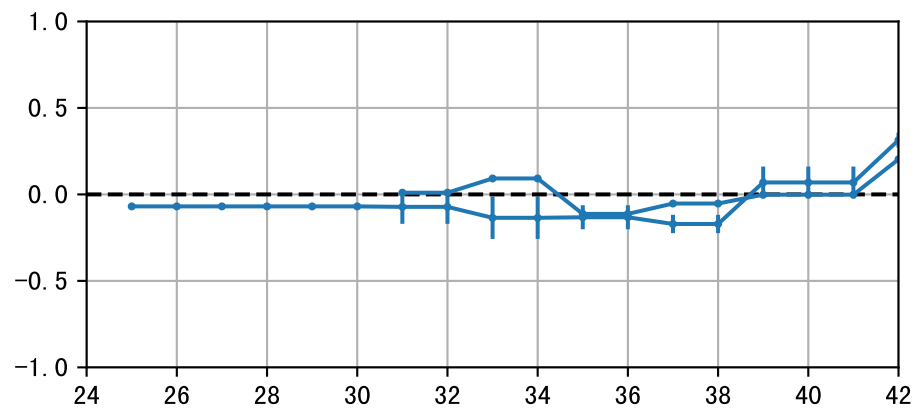
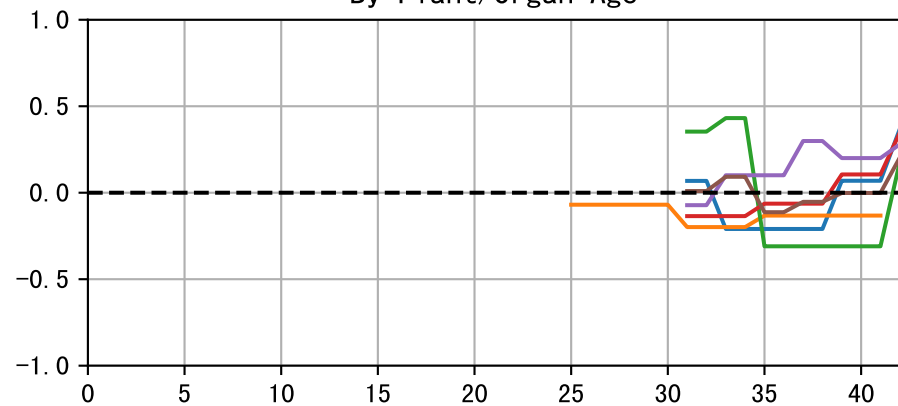
a (Def=0.42 Set=0.42)
avg1=0.43 $\sim$ 5% avg2=0.42 $\sim$ 2%
P3-2 LfN



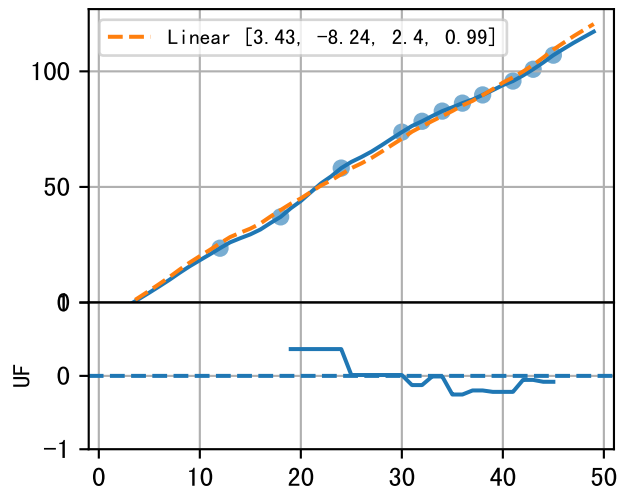
By Start Date



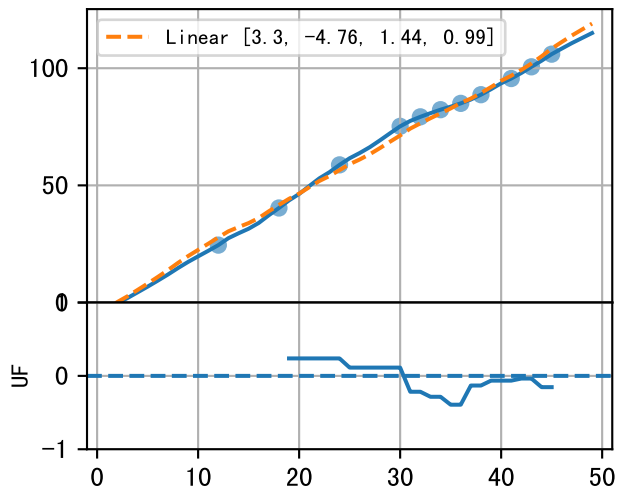
By Plant/Organ Age



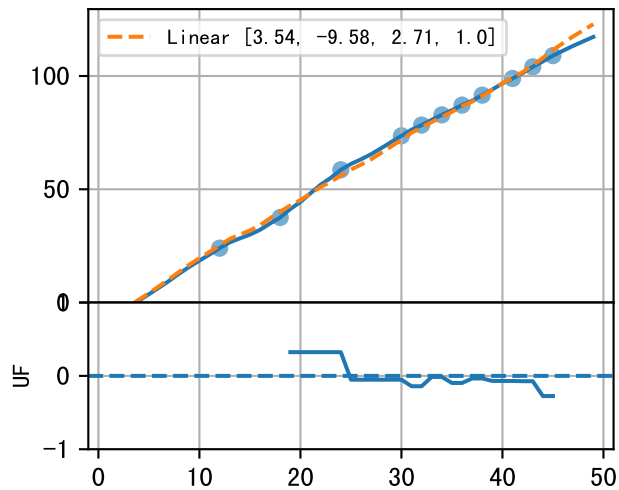
P3-2-16-21



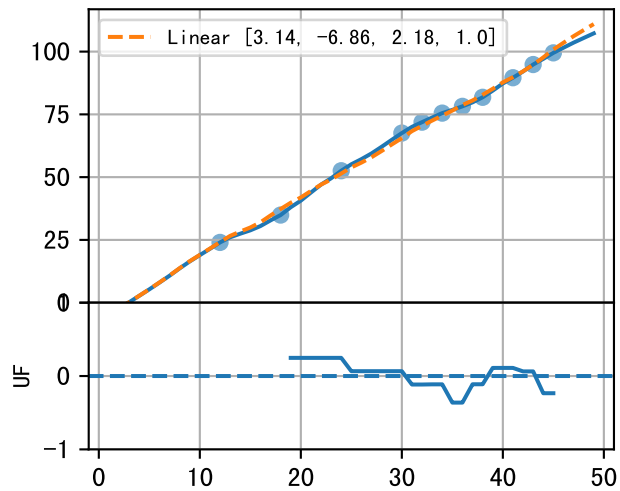
P3-2-24-18



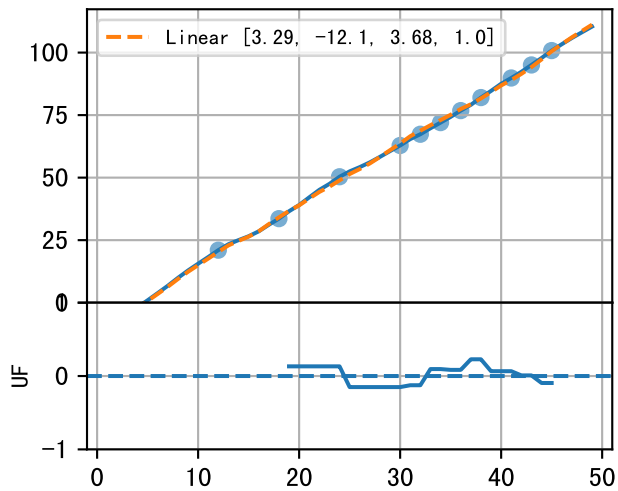
P3-2-40-6



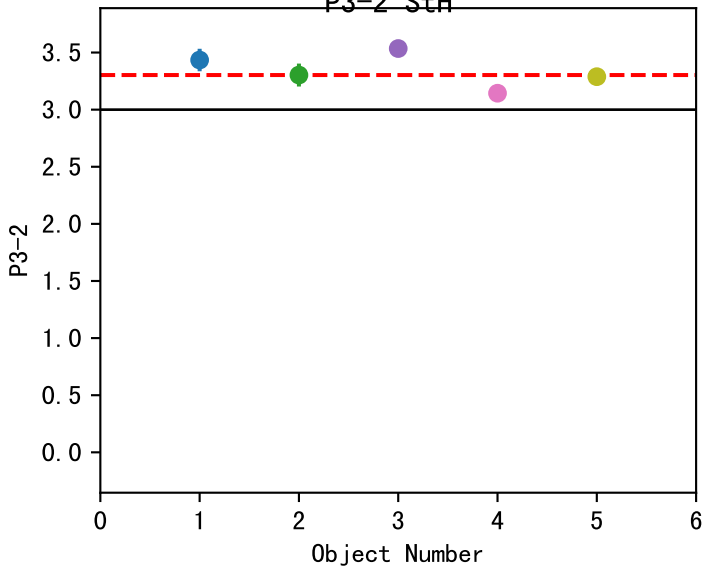
P3-2-55-28



P3-2-9-8

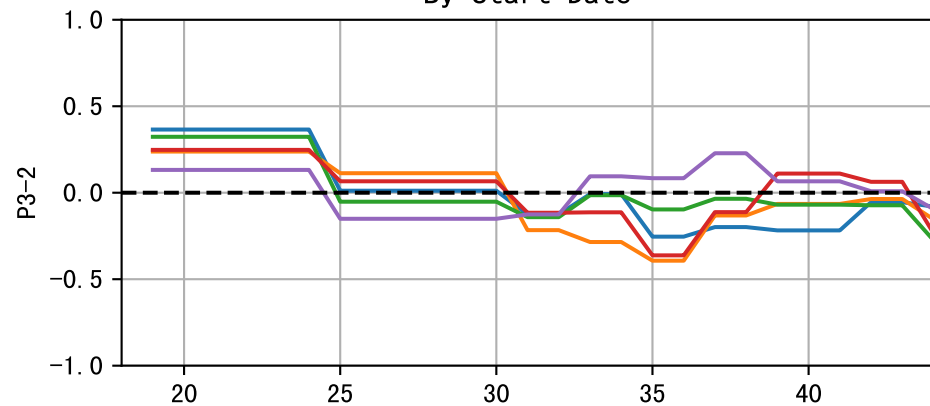


a (Def=3 Set=3.3)
avg1=3.3~5% avg2=na
P3-2 Sth

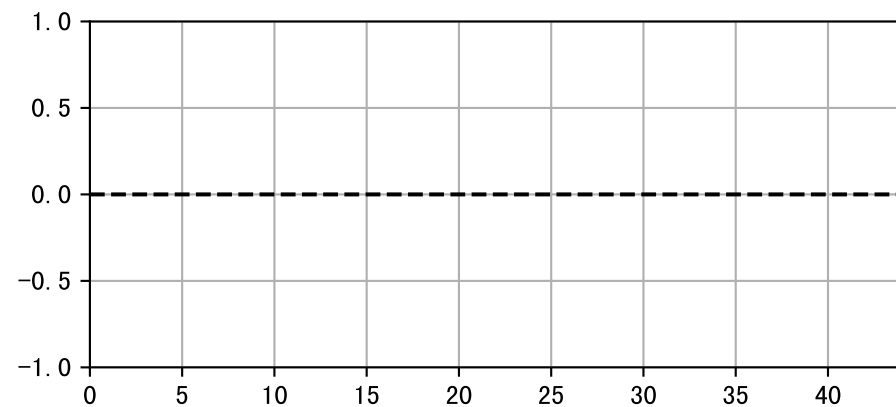
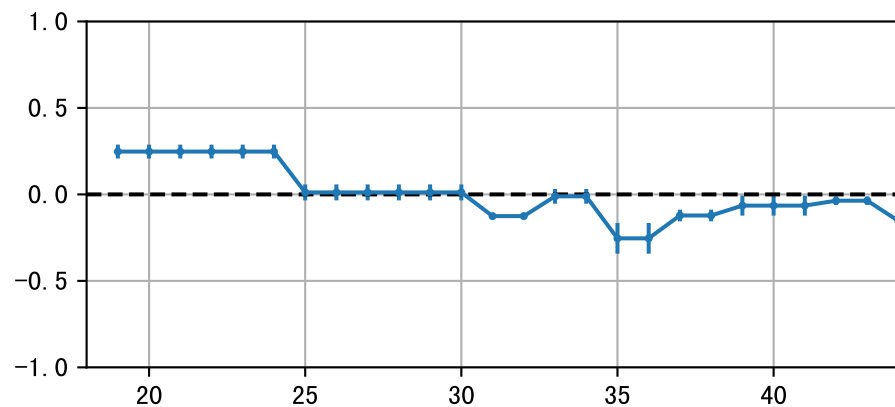
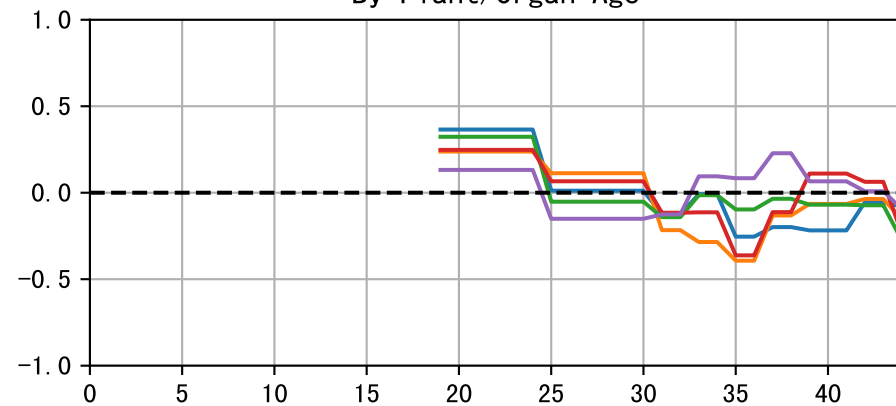


StH

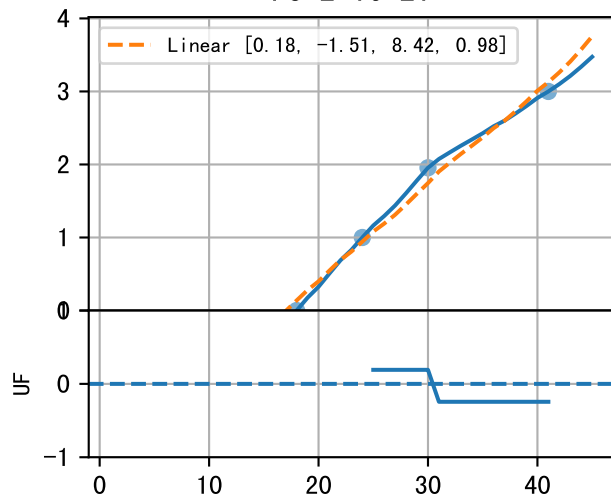
By Start Date



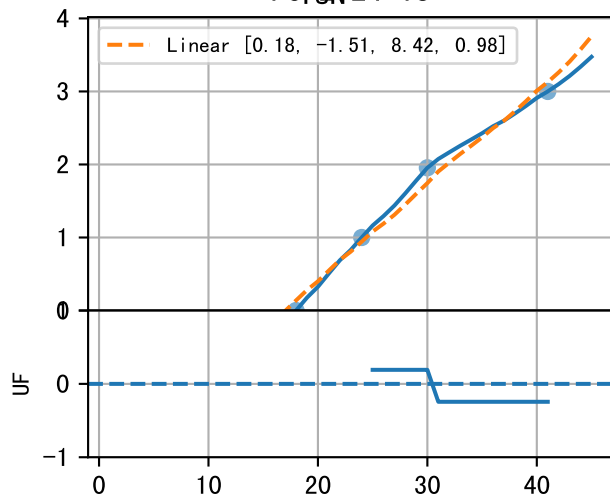
By Plant/Organ Age



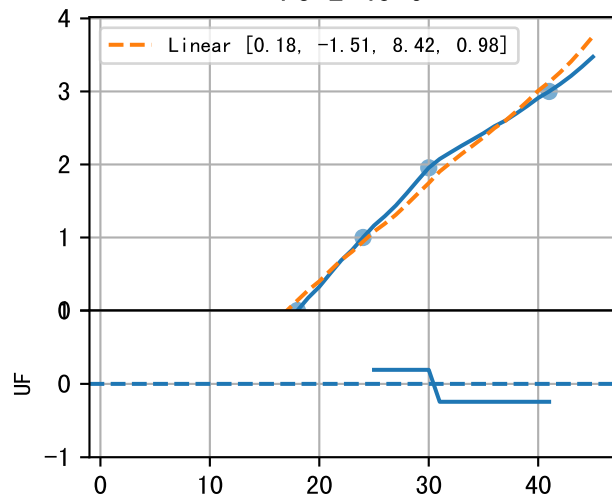
P3-2-16-21



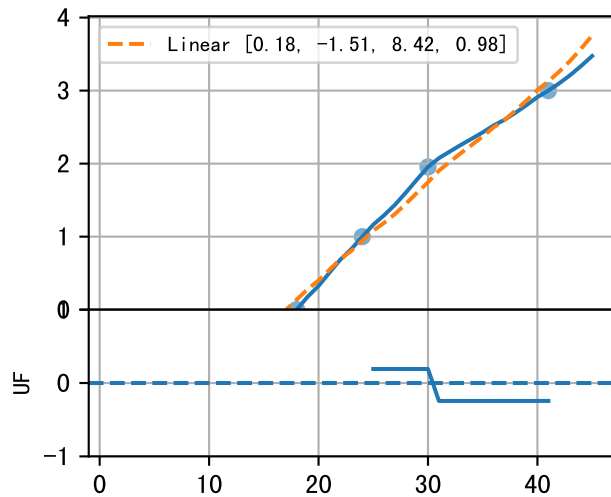
P3-2-24-18



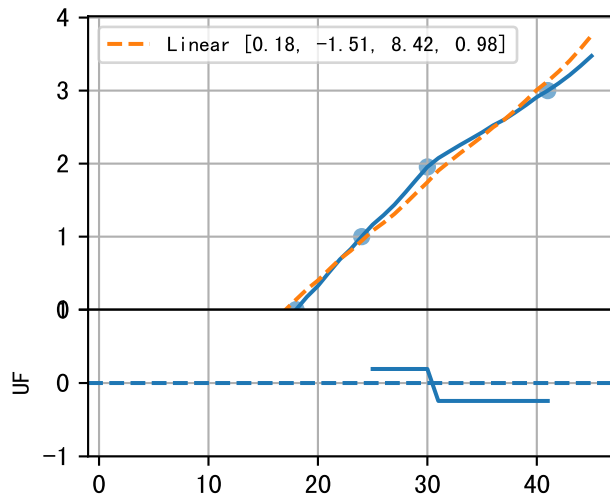
P3-2-40-6



P3-2-55-28



P3-2-9-8



P3-2avg
T_{SN}

Linear [0.16, -1.11, 6.91, 0.98]

UF

3

2

1

0

0

-1

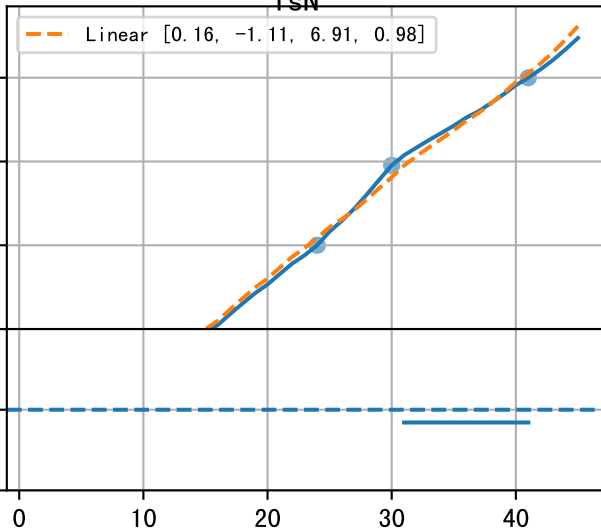
0

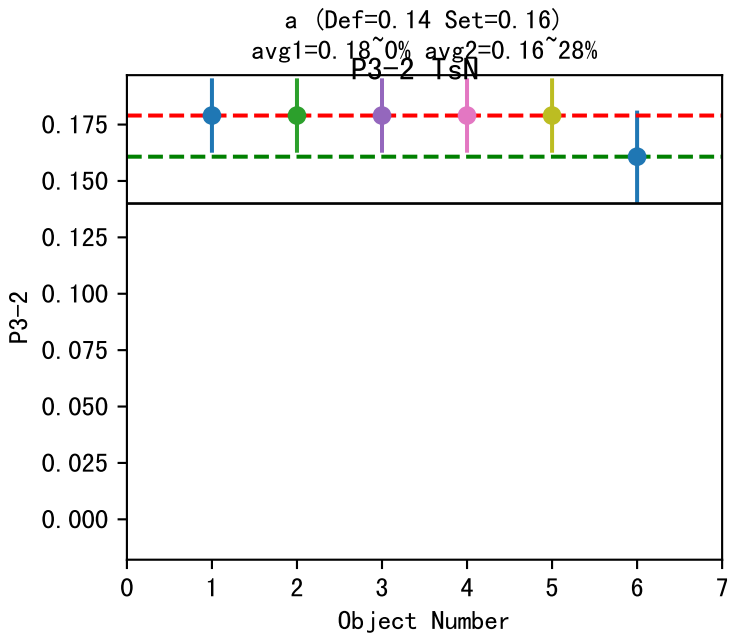
10

20

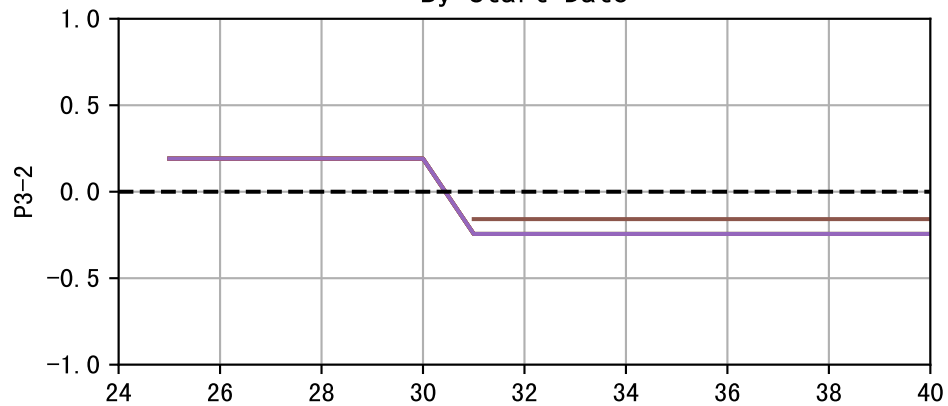
30

40

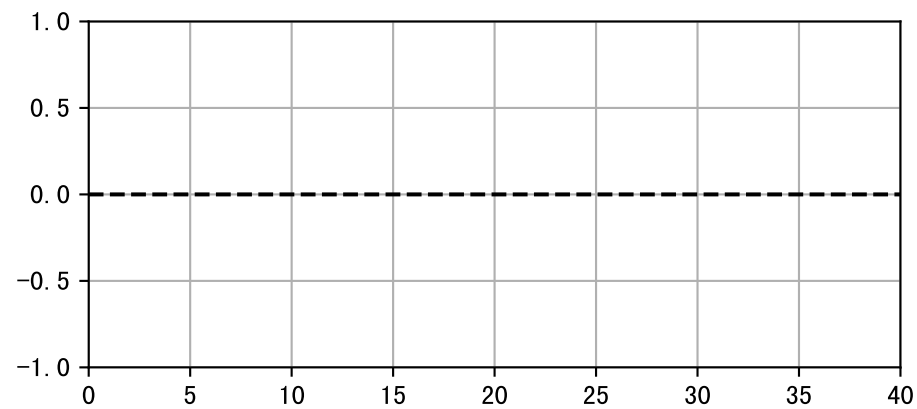
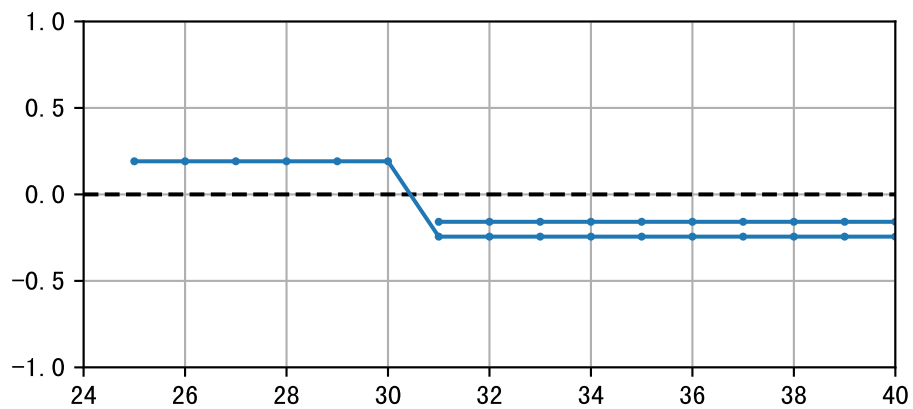
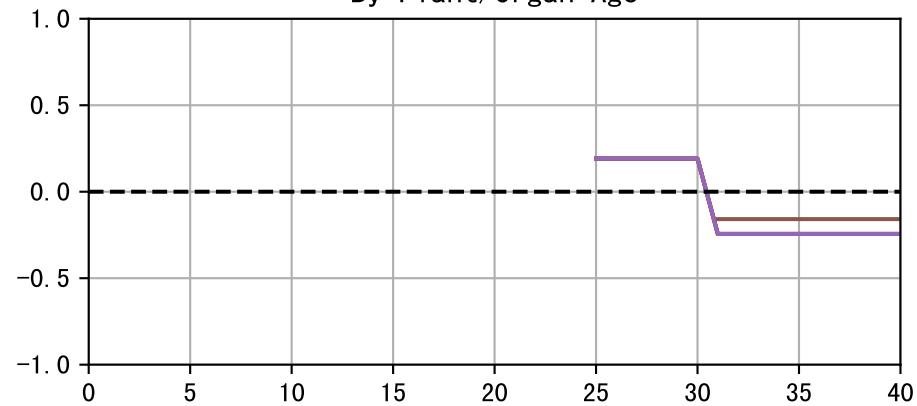




By Start Date

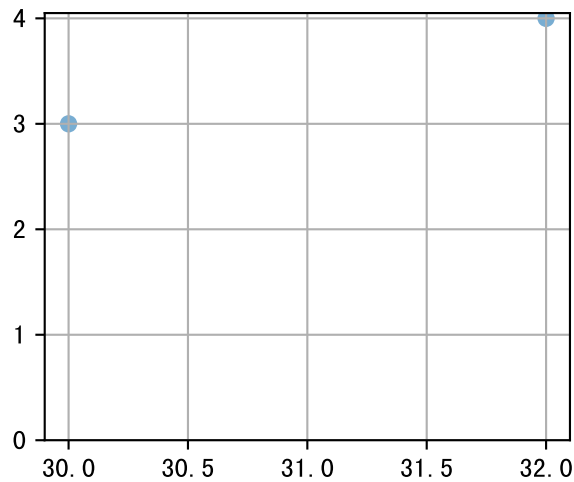


By Plant/Organ Age

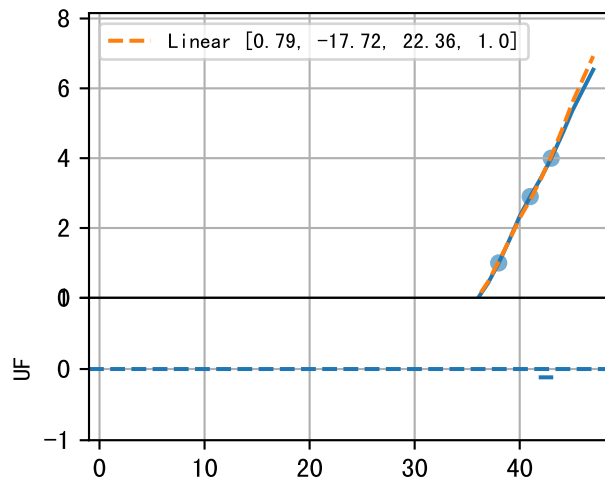


FrN

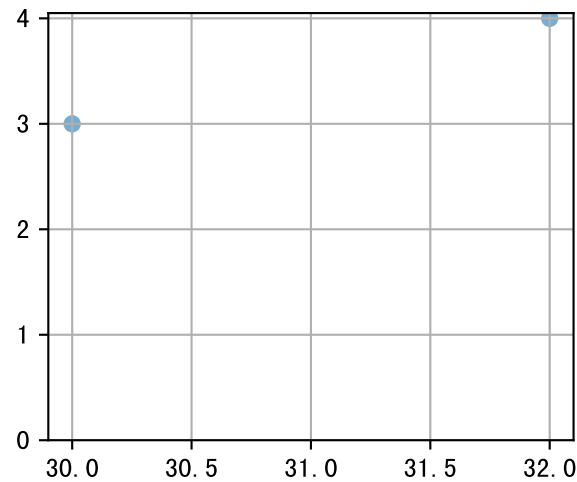
P3-2-16-21T1 (fit failed)



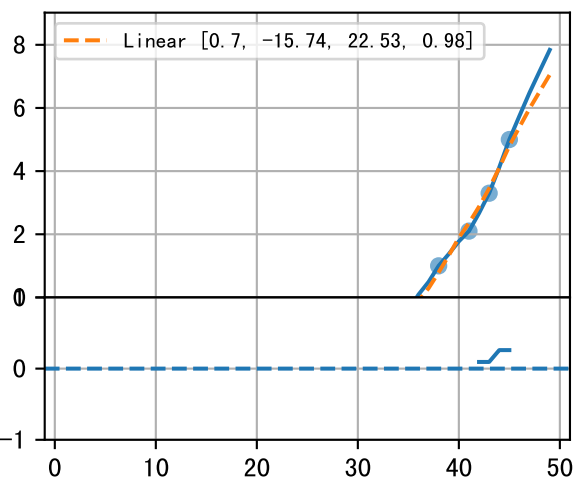
P3-2-16-21T2



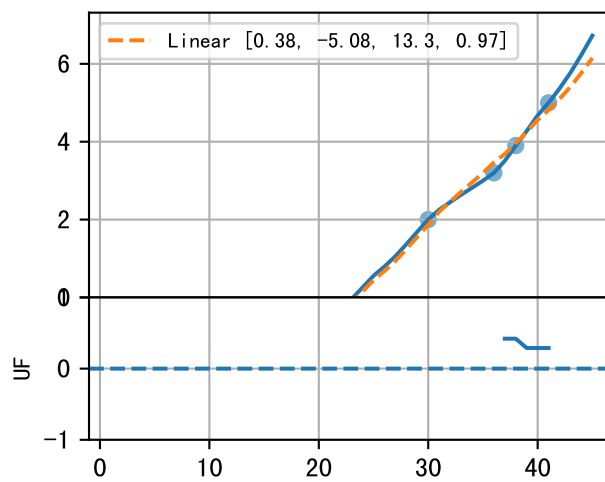
P3-2-40-6T1 (fit failed)



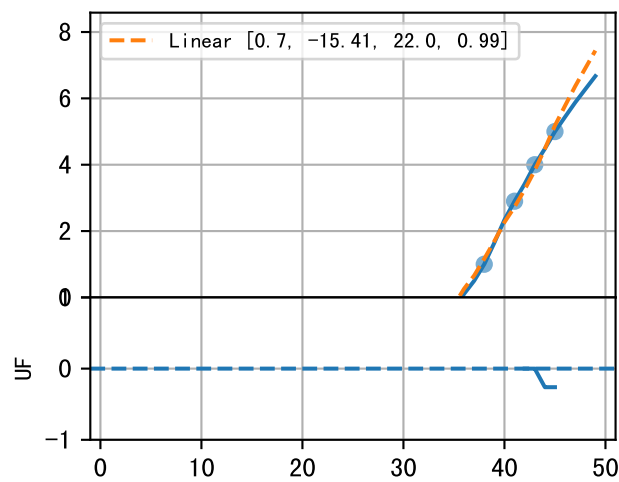
P3-2-40-6T2



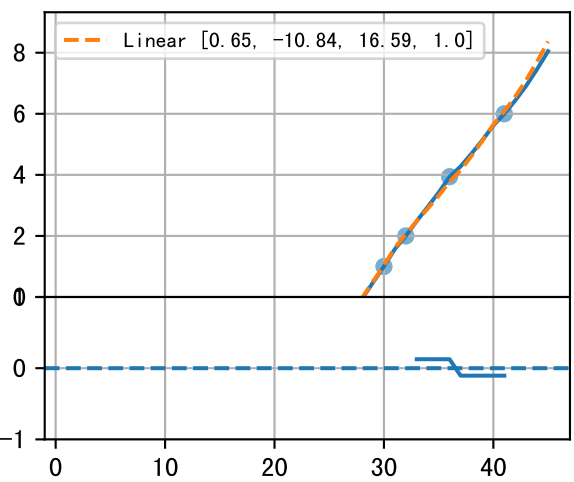
P3-2-55-28T1



P3-2-55-28T2



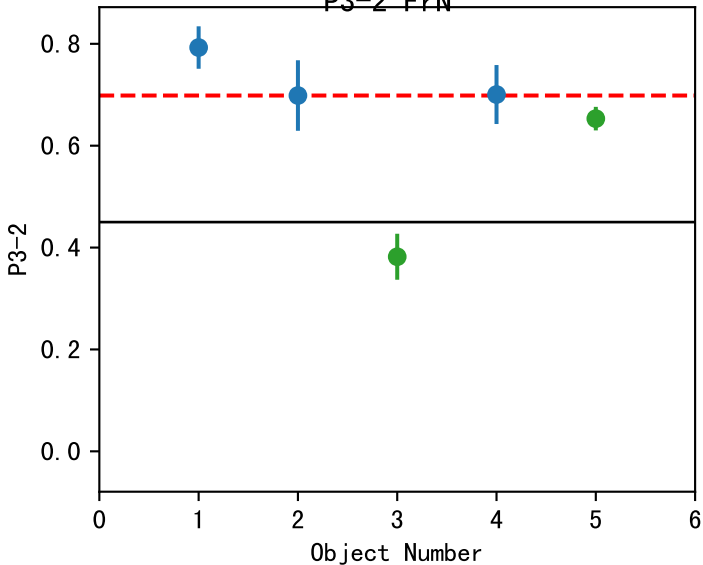
P3-2-9-8T1



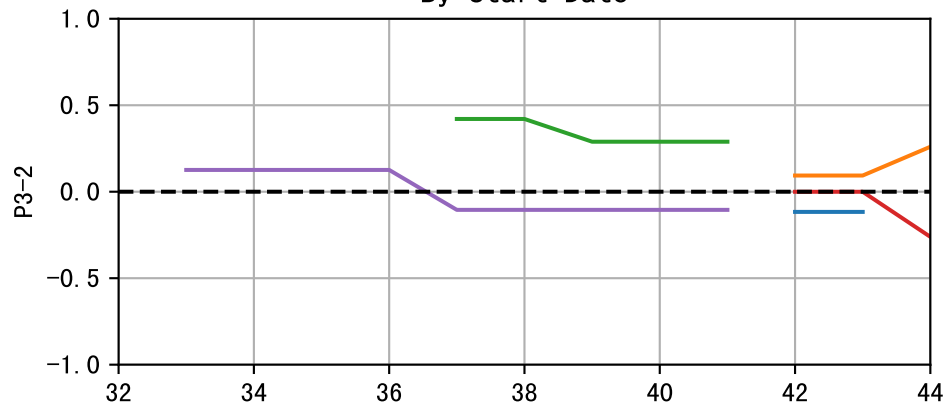
a (Def=0.45 Set=0.7)

avg1=0.7~4% avg2=na

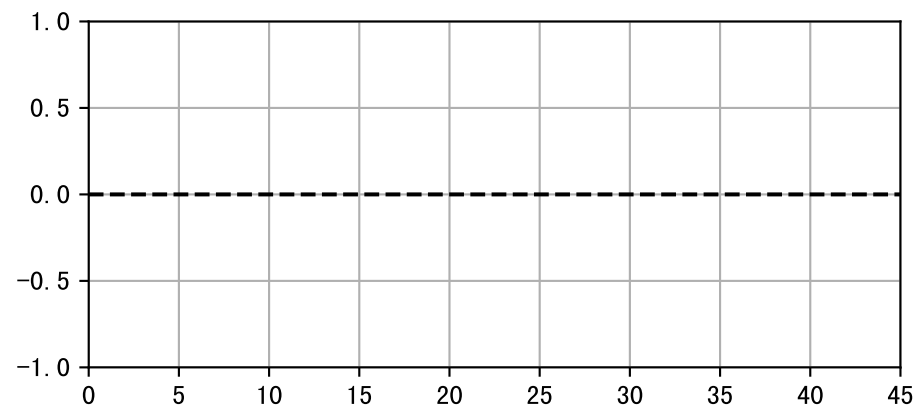
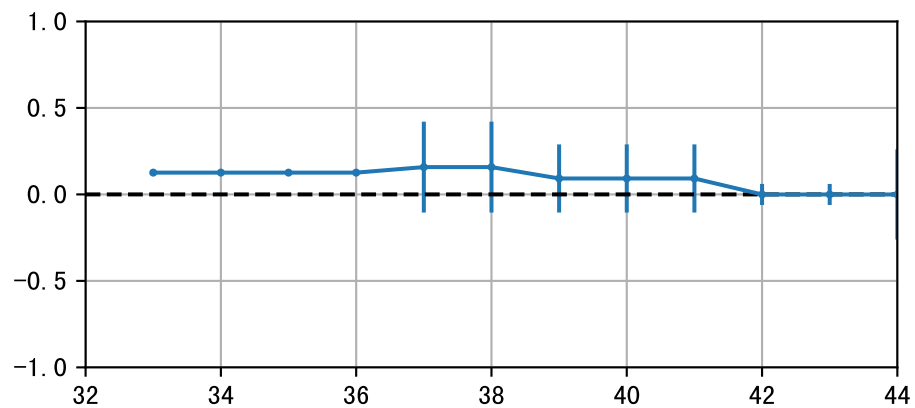
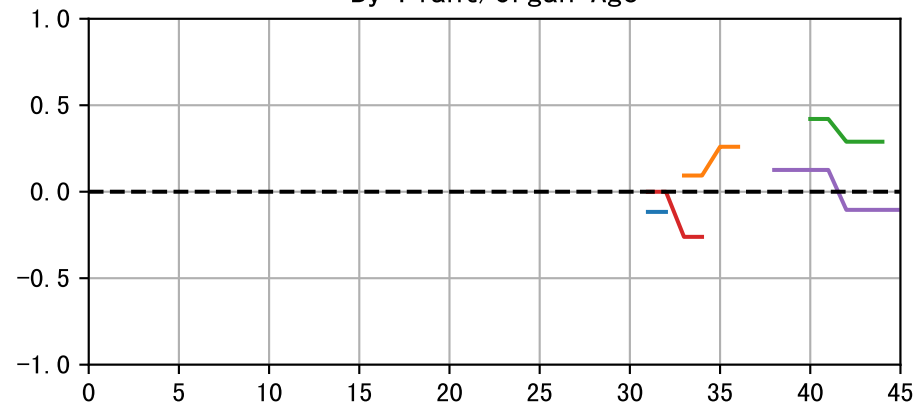
P3-2 FrN



By Start Date

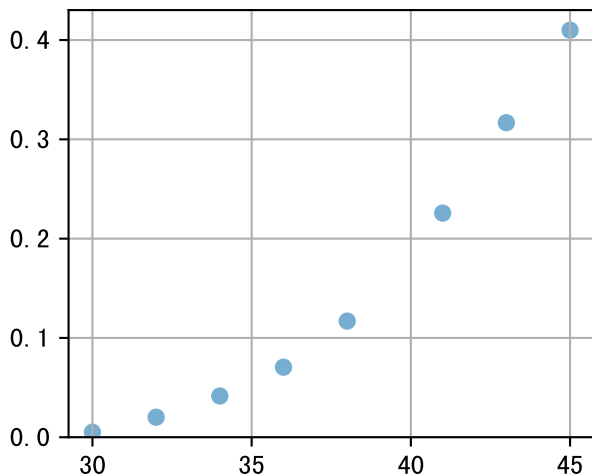


By Plant/Organ Age

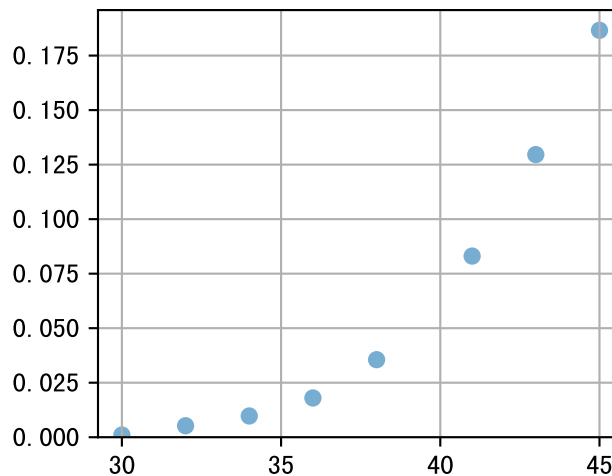


FrV

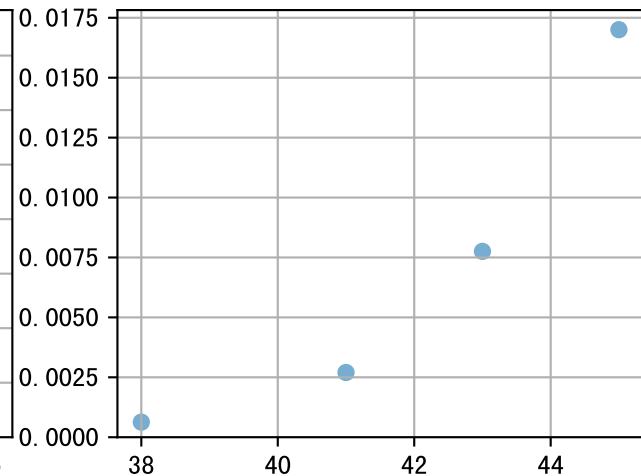
P3-2-16-21T1Fr1 (fit failed)



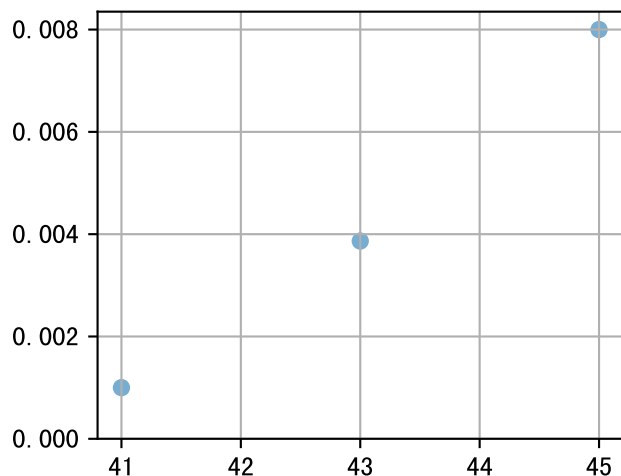
P3-2-16-21T1Fr5 (fit failed)



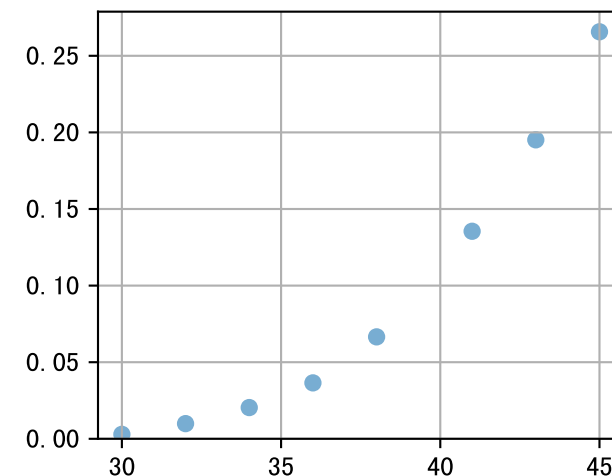
P3-2-16-21T2Fr1 (fit failed)



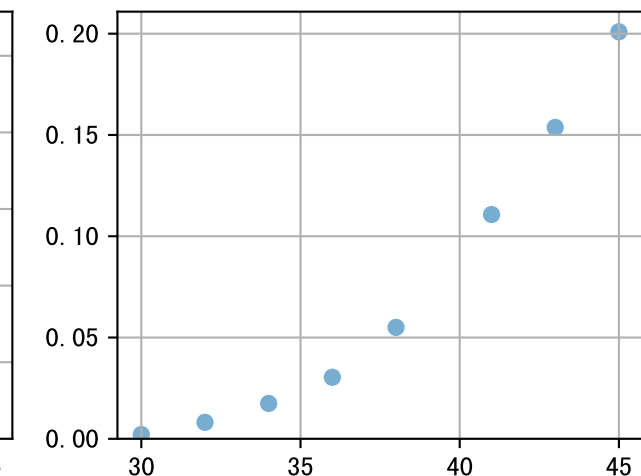
P3-2-16-21T2Fr5 (fit failed)



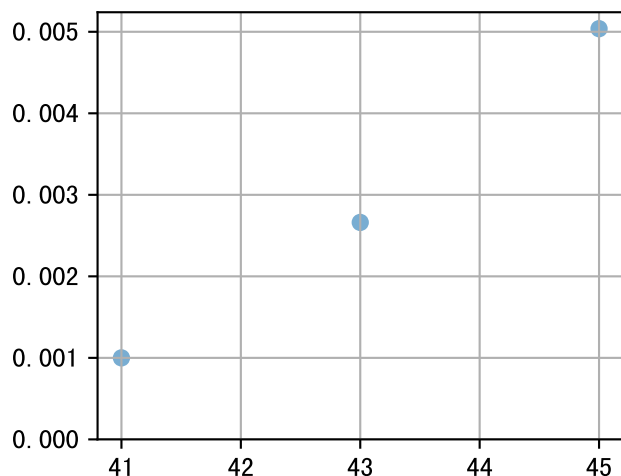
P3-2-24-18T1Fr1 (fit failed)



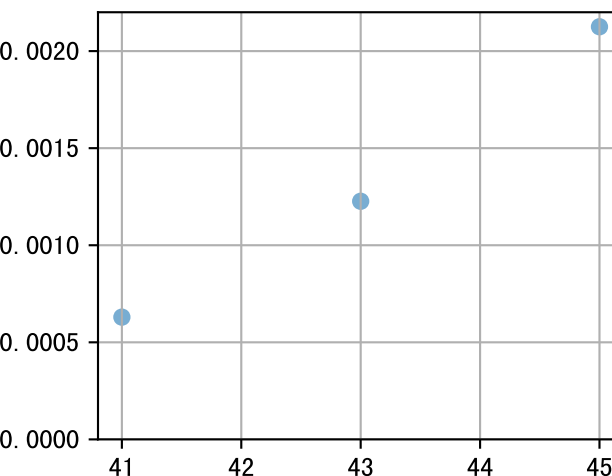
P3-2-24-18T1Fr5 (fit failed)



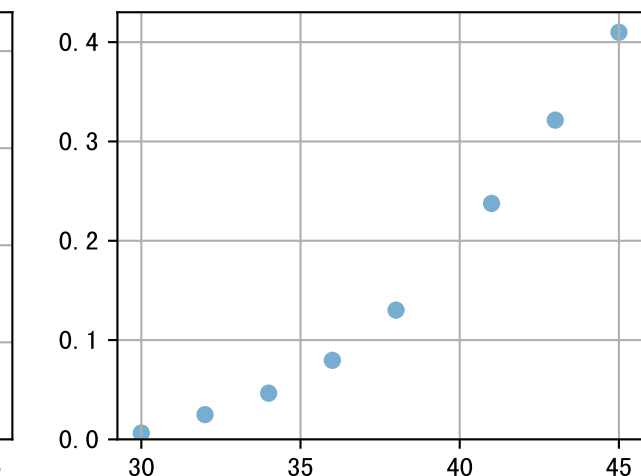
P3-2-24-18T2Fr1 (fit failed)



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

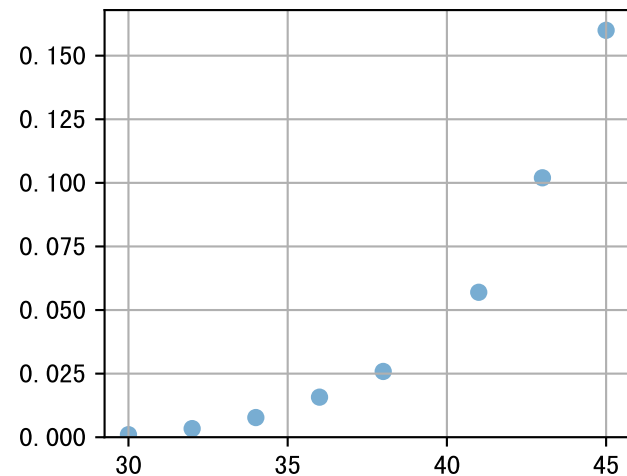


P3-2-40-6T1Fr1 (fit failed)

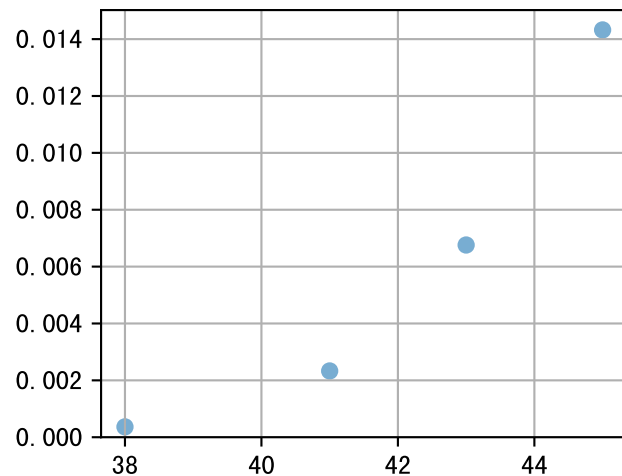


FrV

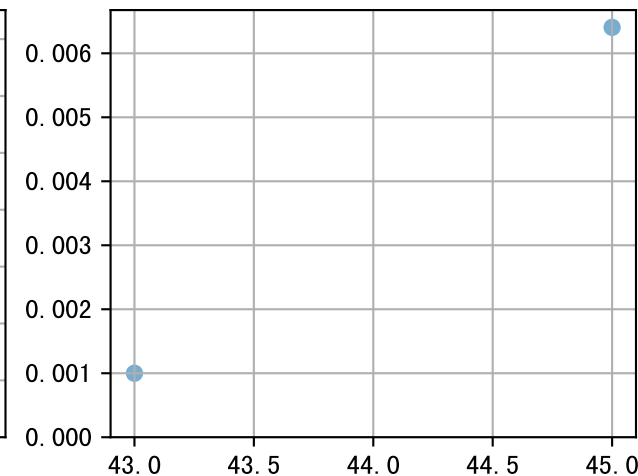
P3-2-40-6T1Fr5 (fit failed)



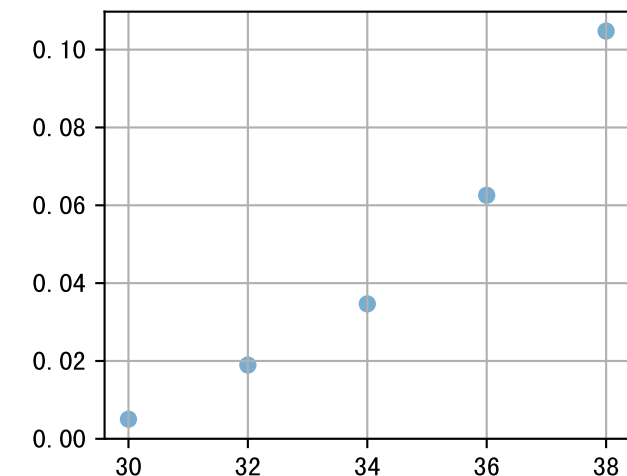
P3-2-40-6T2Fr1 (fit failed)



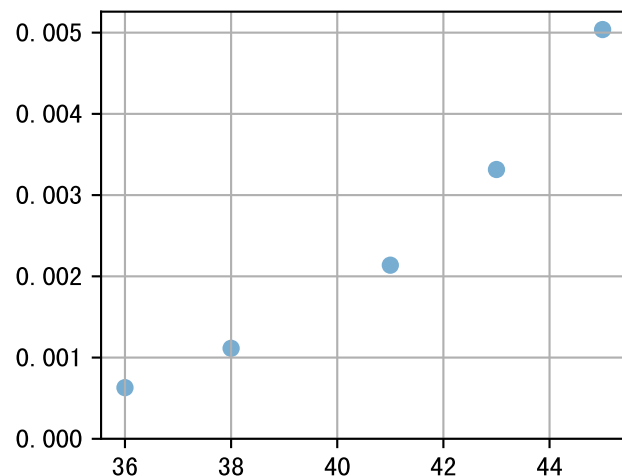
P3-2-40-6T2Fr5 (fit failed)



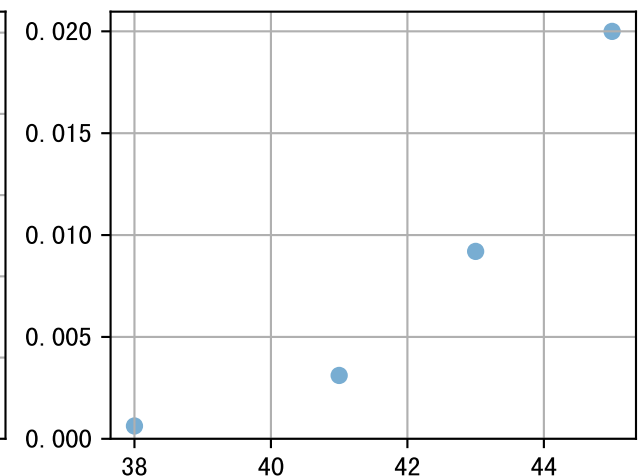
P3-2-55-28T1Fr1 (fit failed)



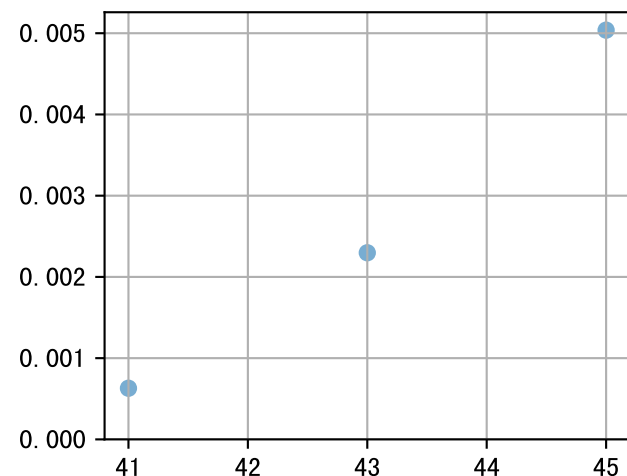
P3-2-55-28T1Fr5 (fit failed)



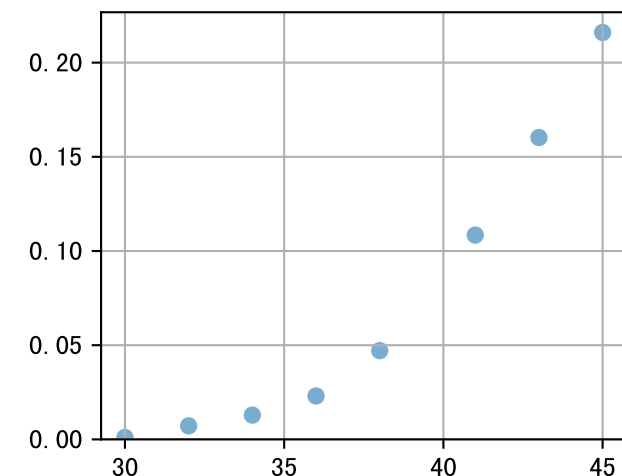
P3-2-55-28T2Fr1 (fit failed)



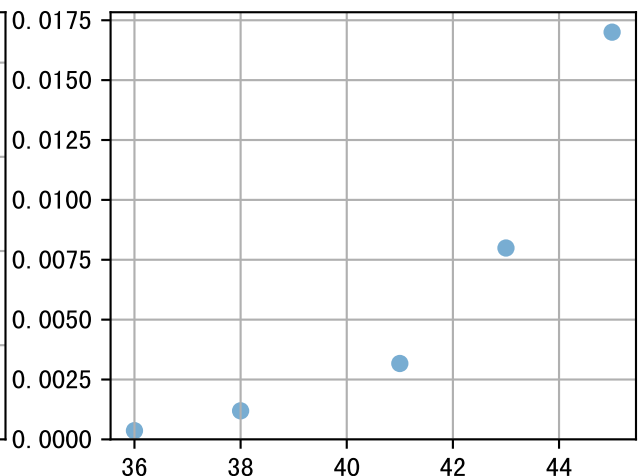
P3-2-55-28T2Fr5 (fit failed)



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

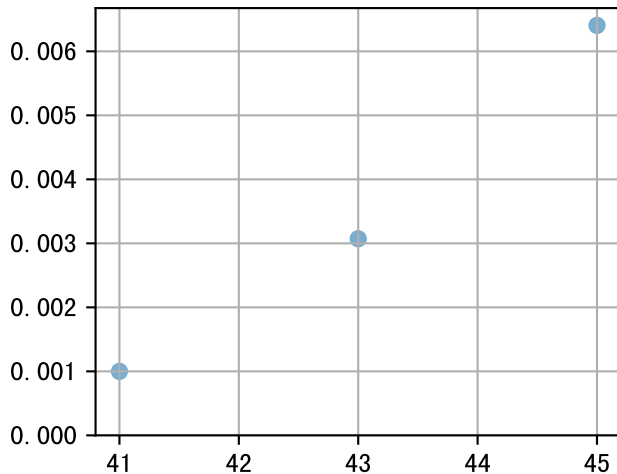


P3-2-9-8T1Fr5 (fit failed)

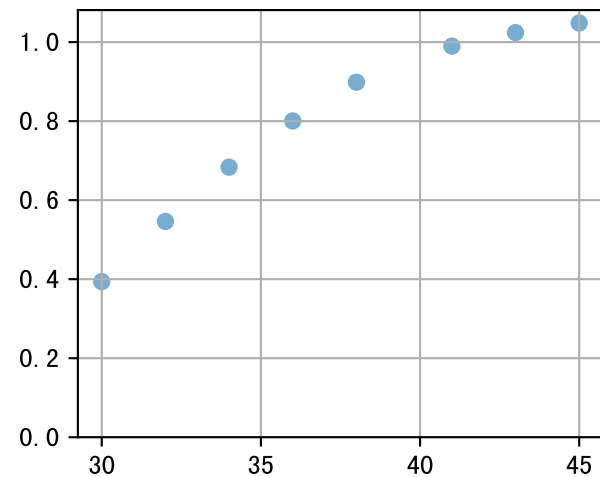


P3-2-9-8T2Fr1 (fit failed)

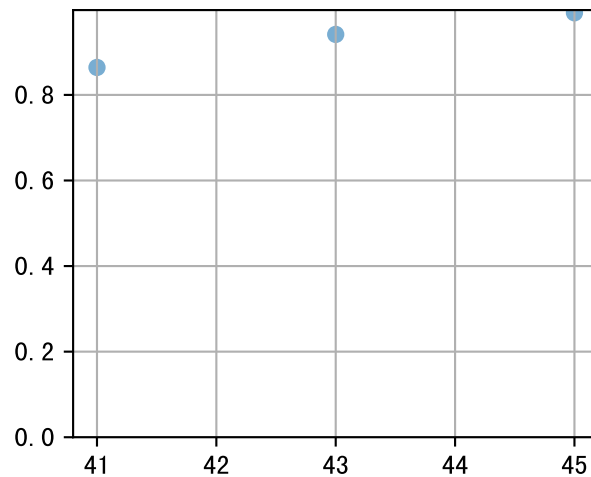
FrV



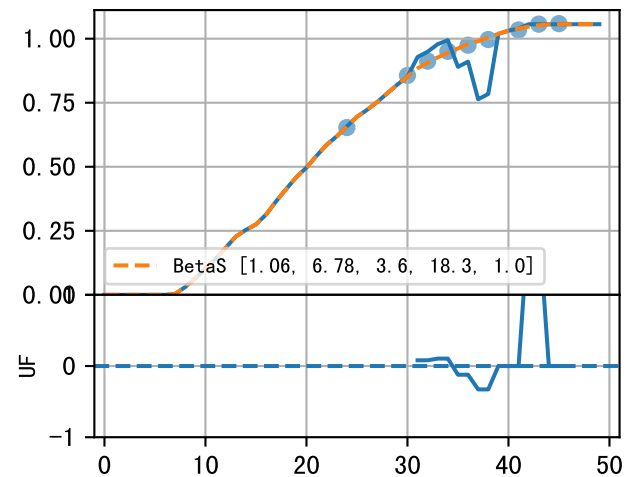
P3-2-16-21L10 (fit failed)



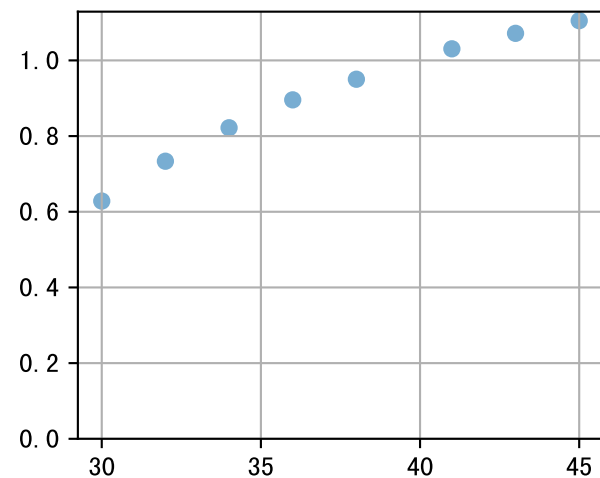
P3-2-16-21L13 (fit failed)



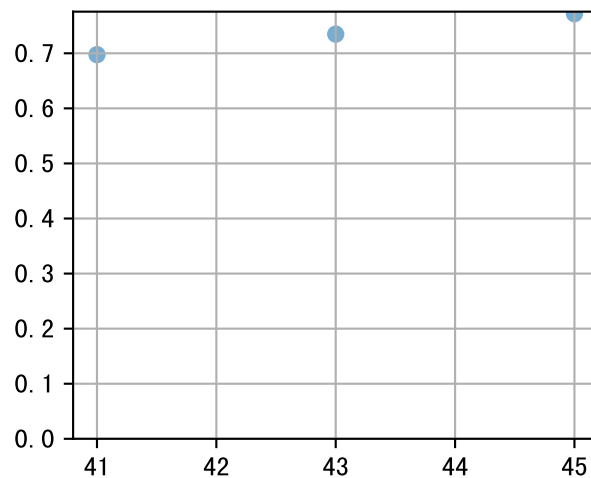
P3-2-16-21L7 (fit failed)



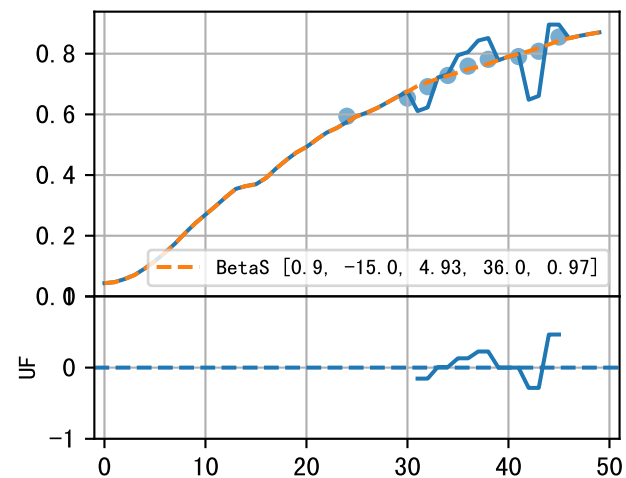
P3-2-24-18L10 (fit failed)



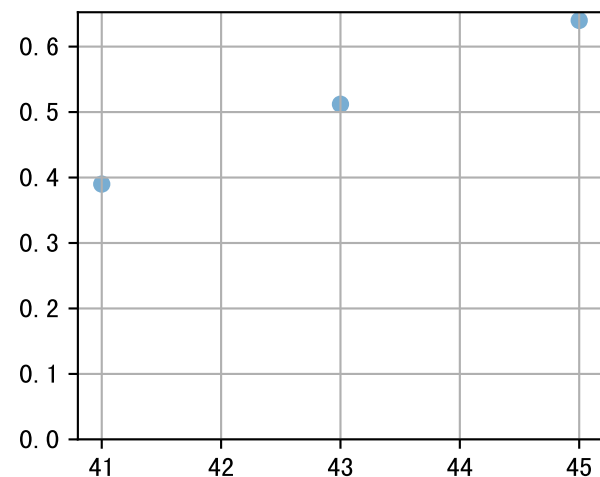
P3-2-24-18L13 (fit failed)



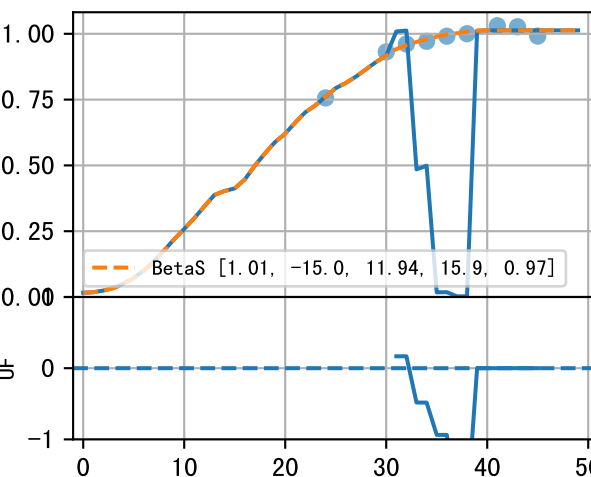
P3-2-24-18L6 (fit failed)



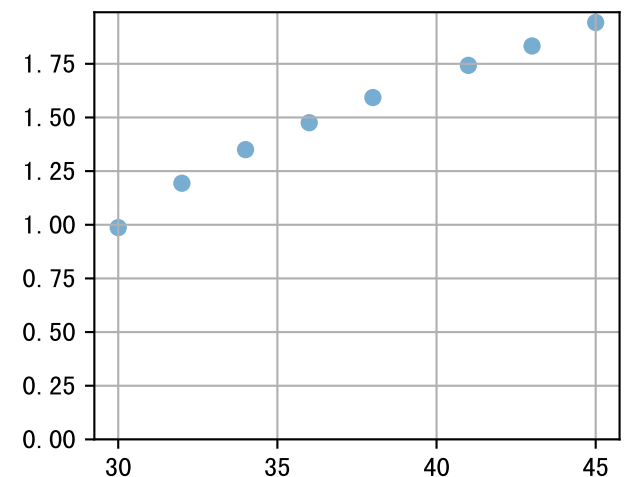
P3-2-40-6L12 (fit failed)



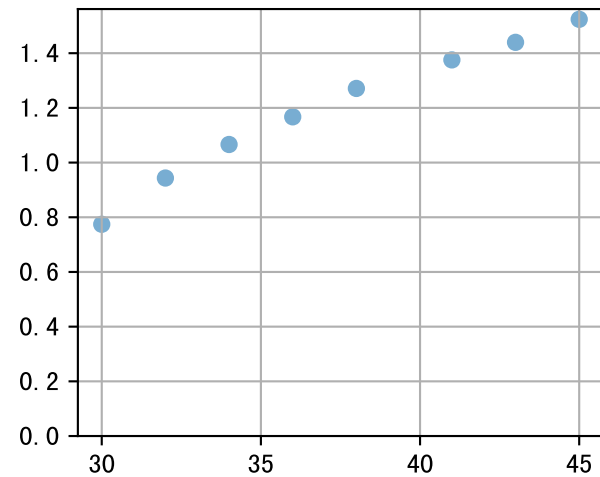
P3-2-40-6L6 (fit failed)



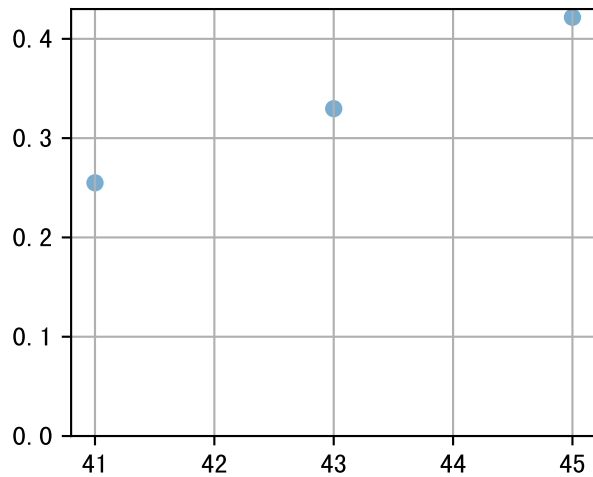
P3-2-40-6L9 (fit failed)



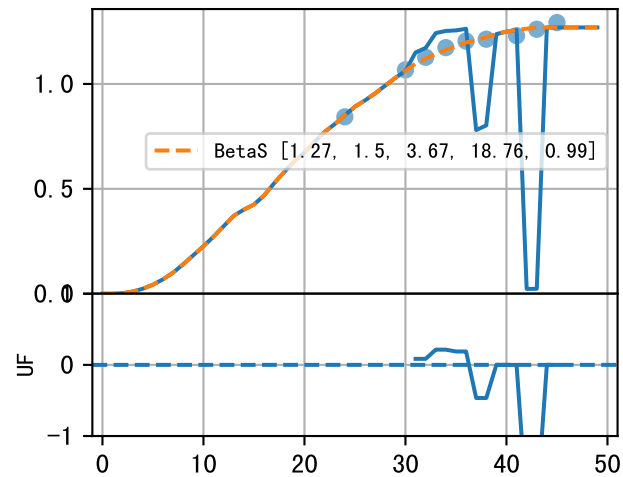
P3-2-55-28L10 (fit failed)



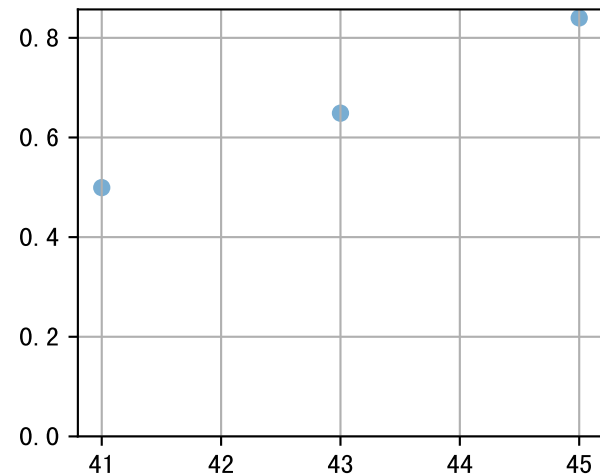
P3-2-55-28L13 (fit failed)



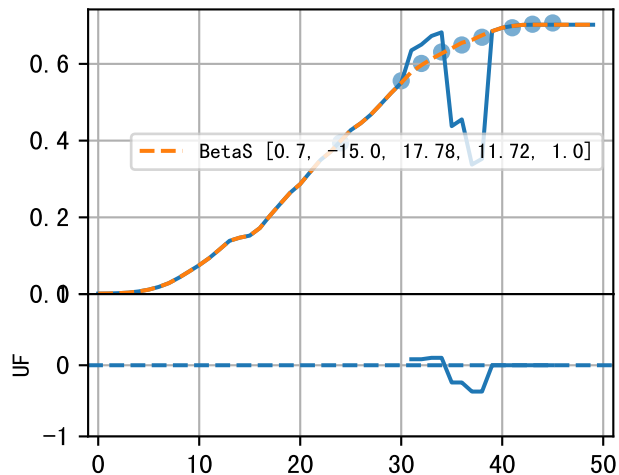
P3-2-55-28L7 (fit failed)



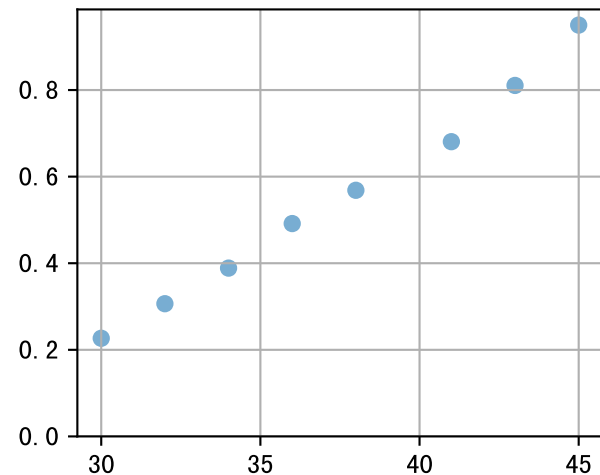
P3-2-9-8L12 (fit failed)

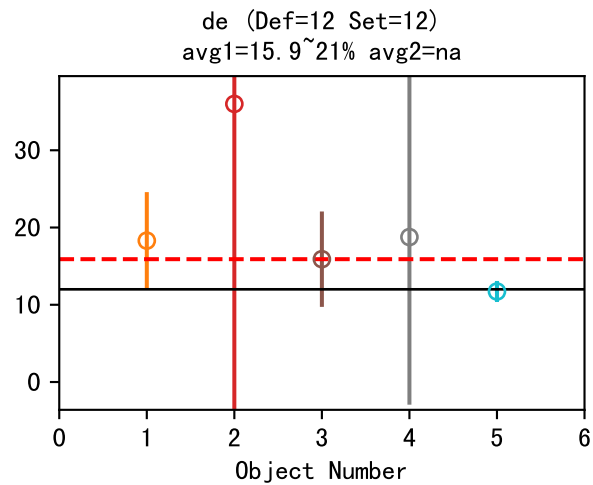
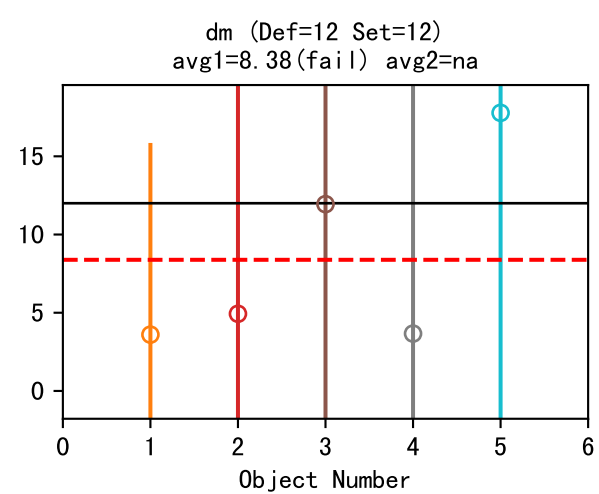
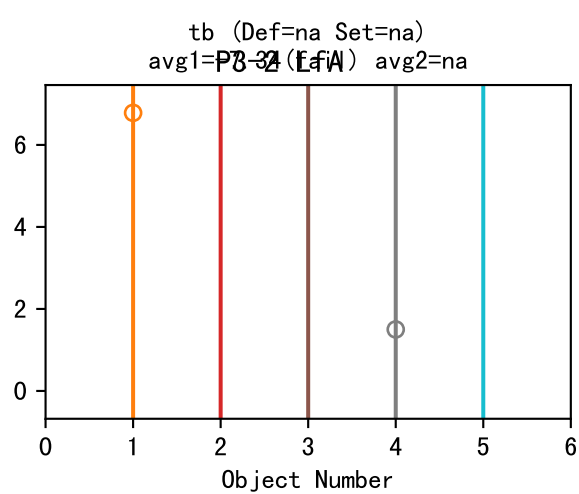
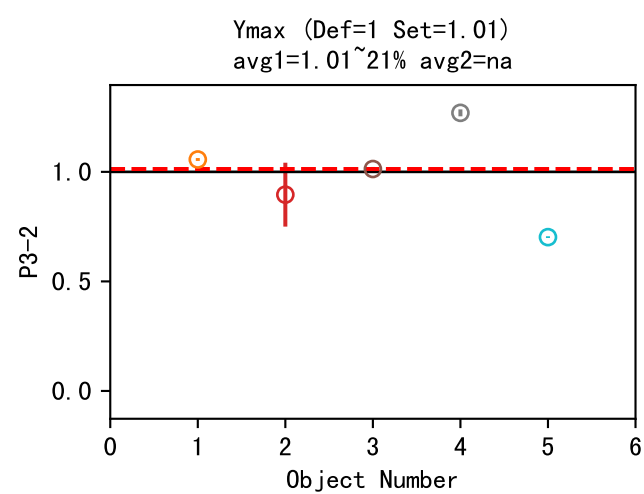


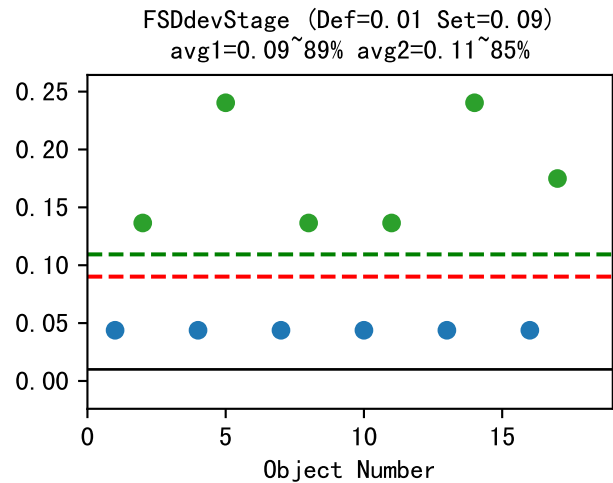
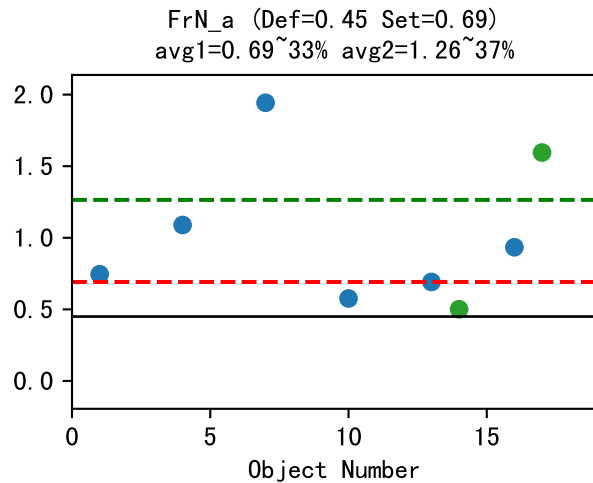
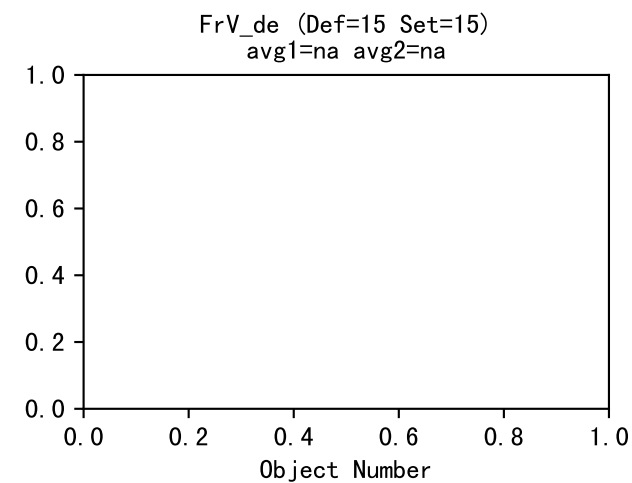
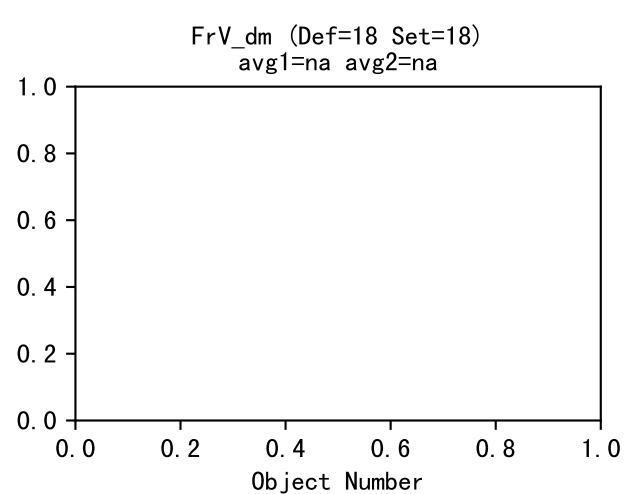
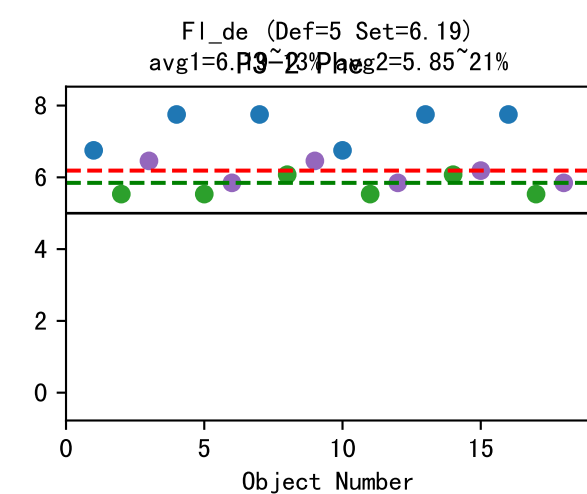
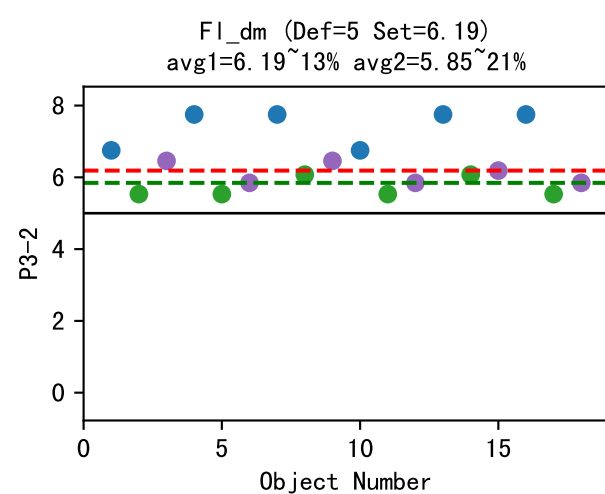
P3-2-9-8L6 (fit failed)



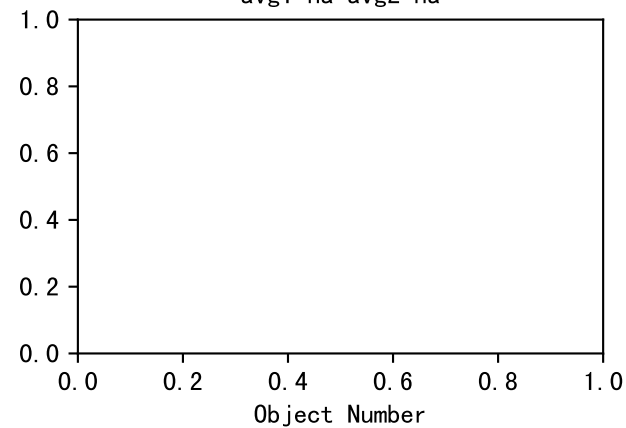
P3-2-9-8L9 (fit failed)



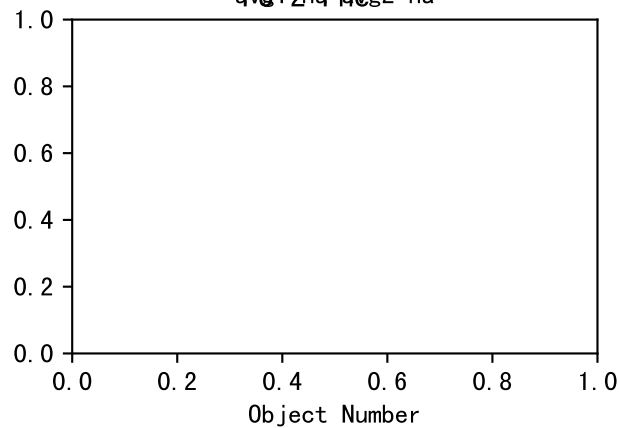




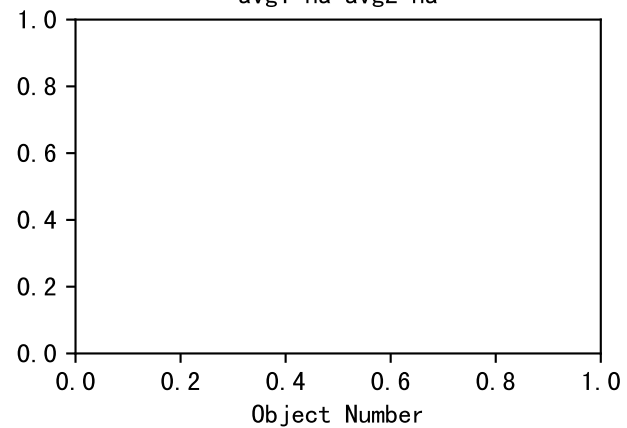
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



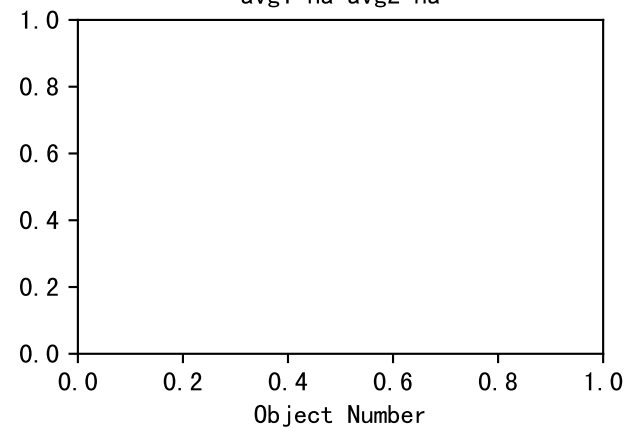
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



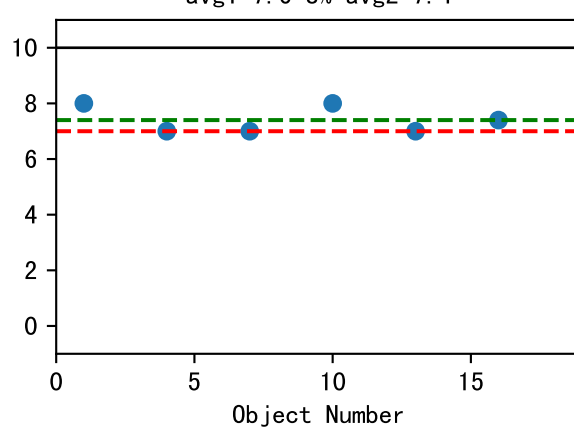
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

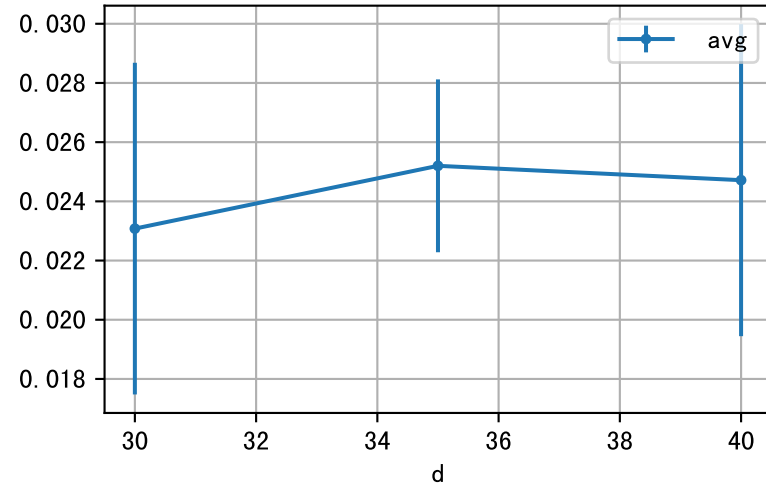


NNgen (Def=10 Set=7)
avg1=7.0~8% avg2=7.4

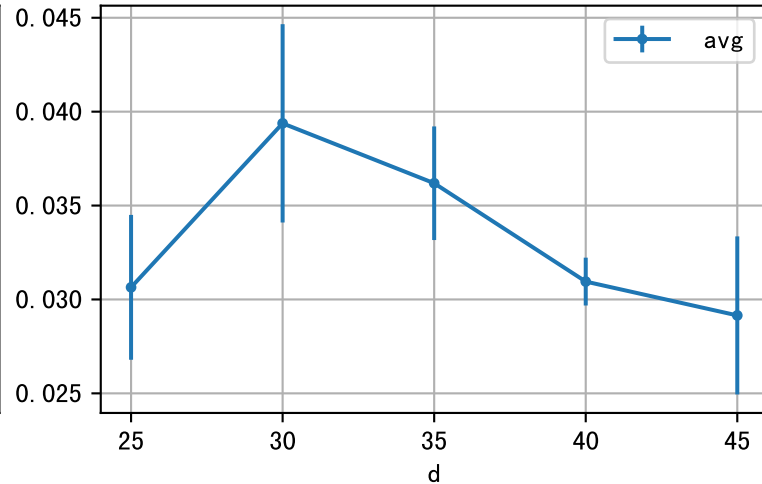


LfA: avg vs. d at each age group

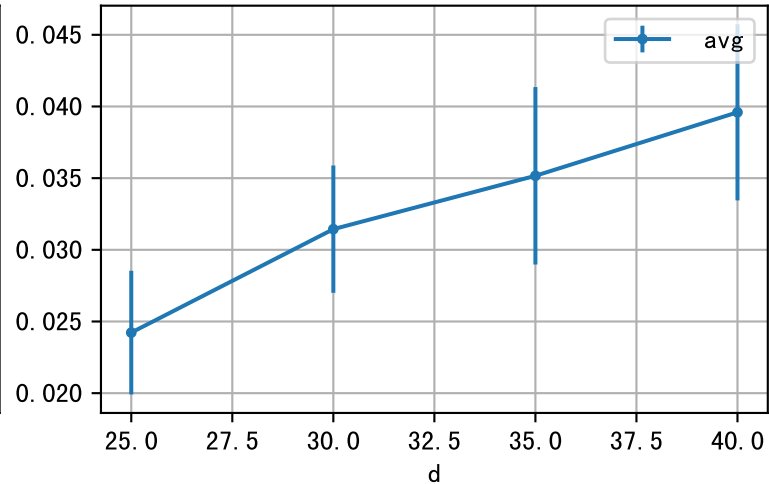
age=20



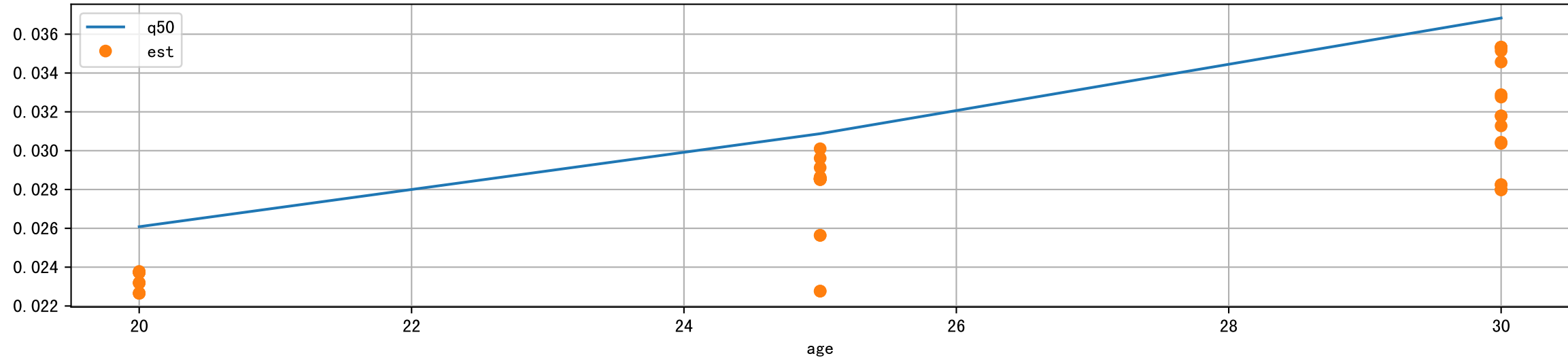
age=25



age=30

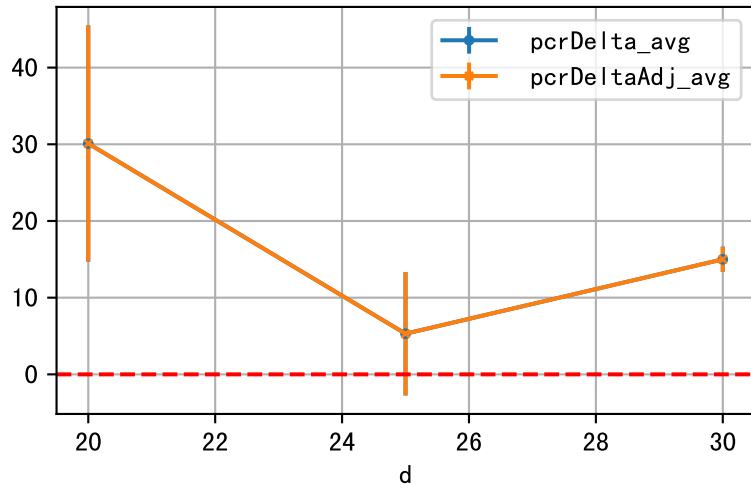


LfA: model est vs obs0v@Q50

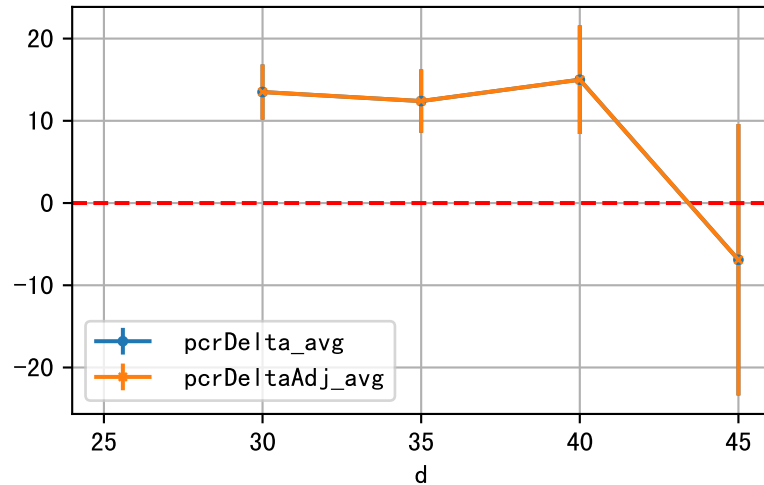


P3-2 LfA: D_5d_LfA

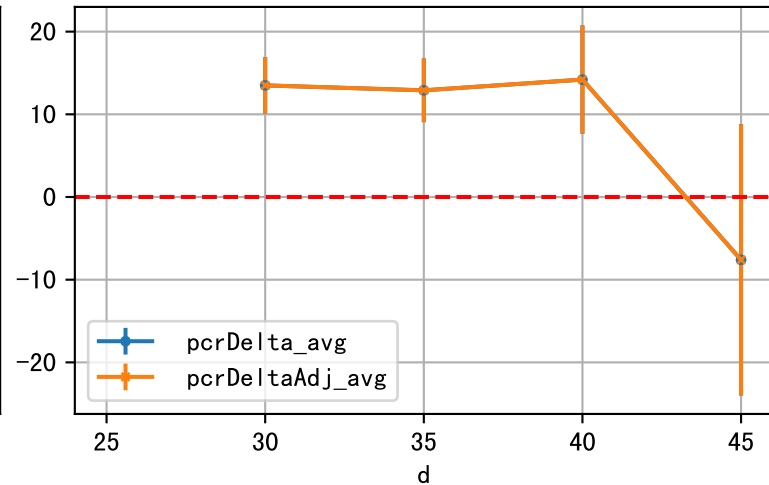
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

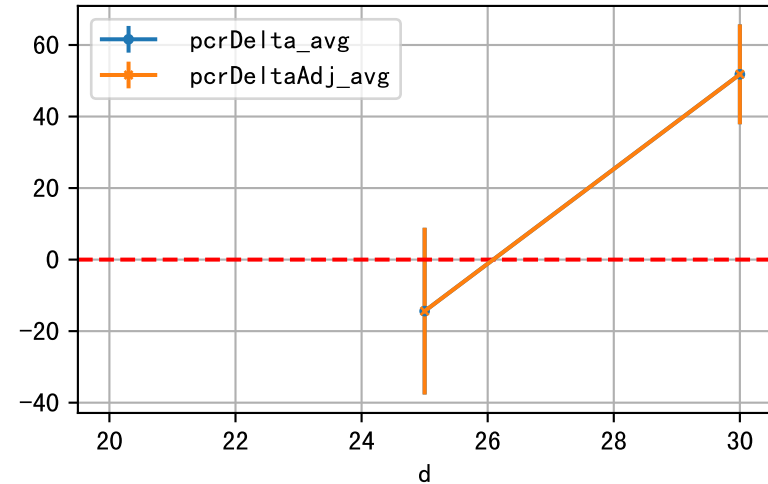


DeltaTypeAbbr=Wei AvgByD

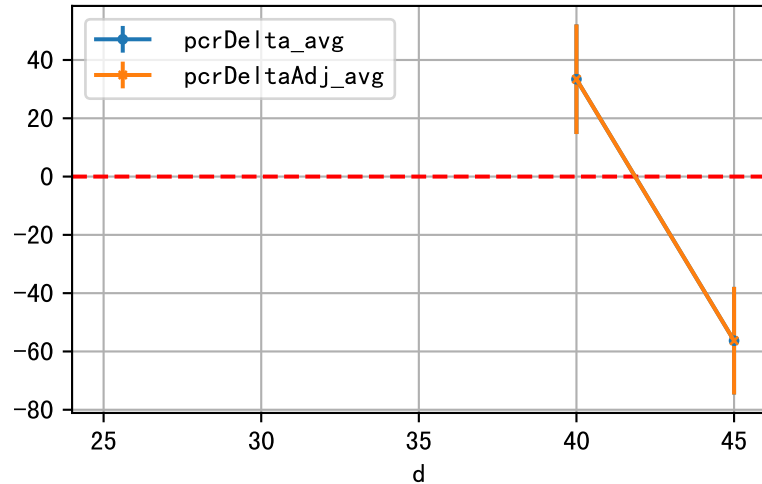


P3-2 LfA: D_15d_LfA

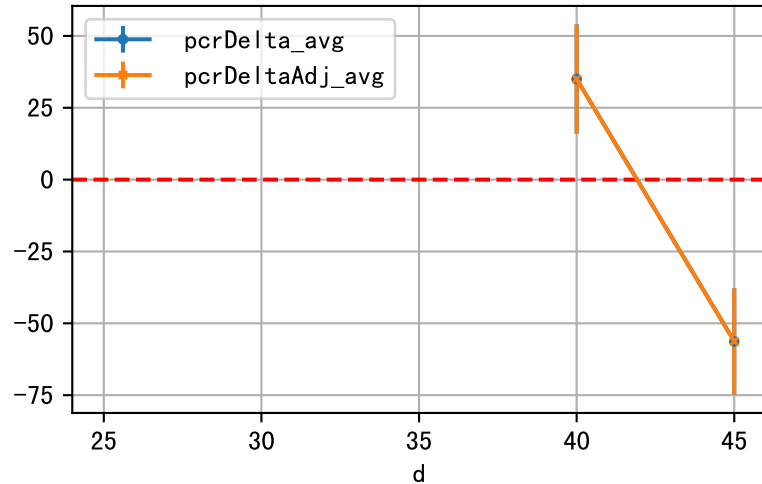
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

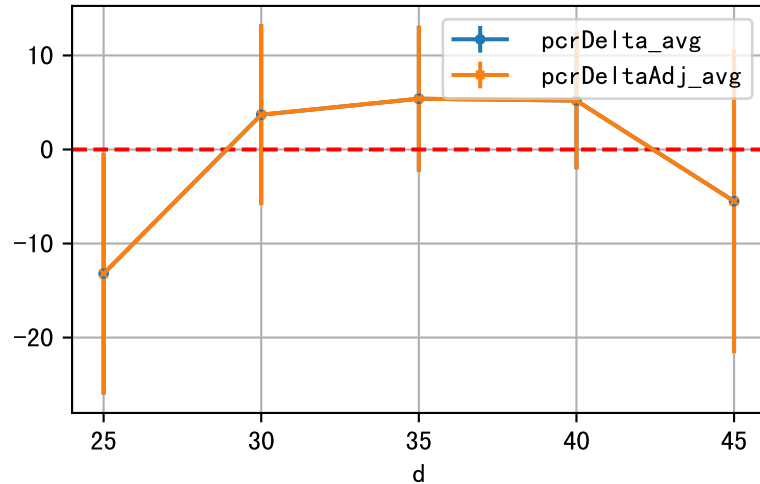


DeltaTypeAbbr=Wei AvgByD

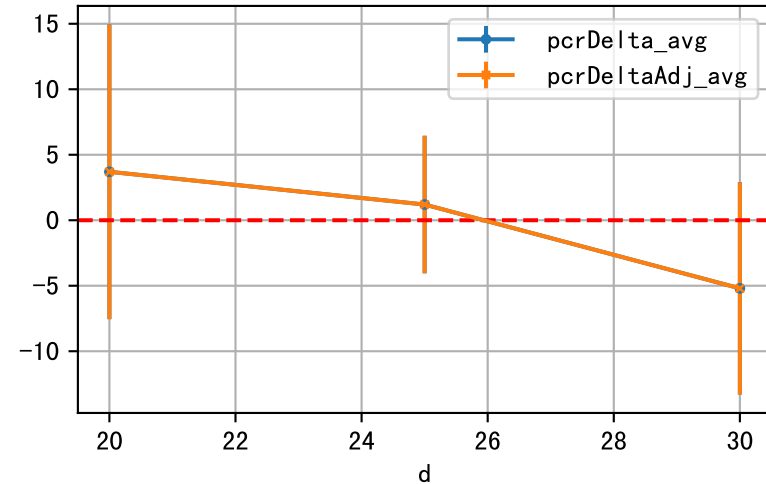


P3-2 LfA: D_Q50_LfA

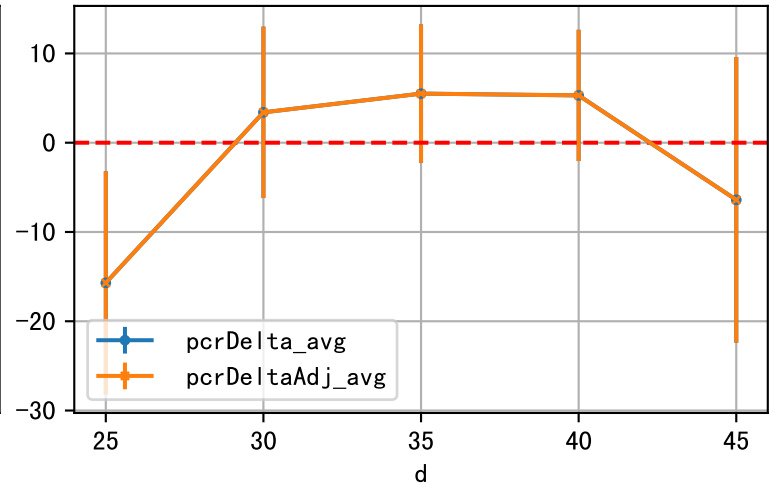
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

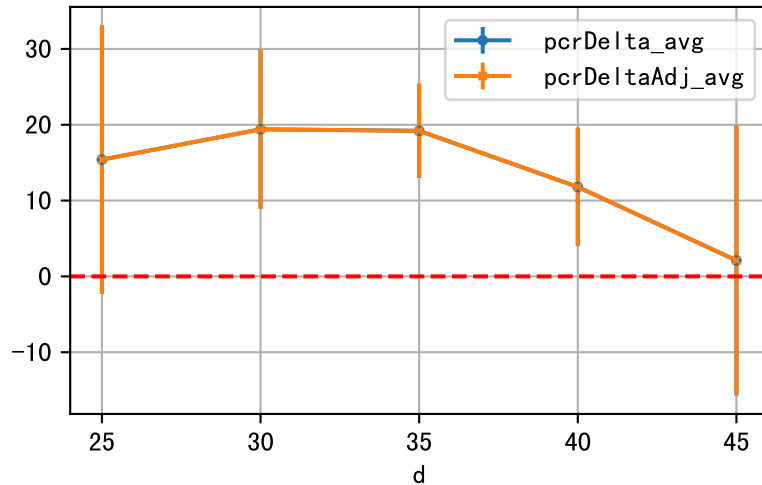


DeltaTypeAbbr=Wei AvgByD

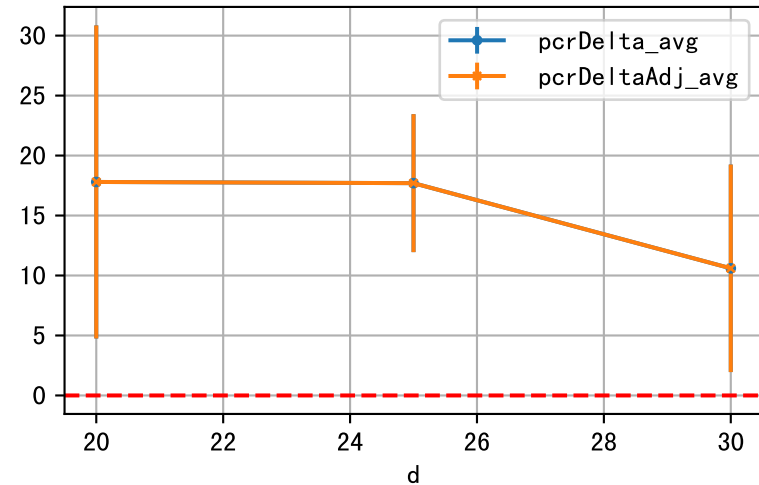


P3-2 LfA: D_Est_LfA

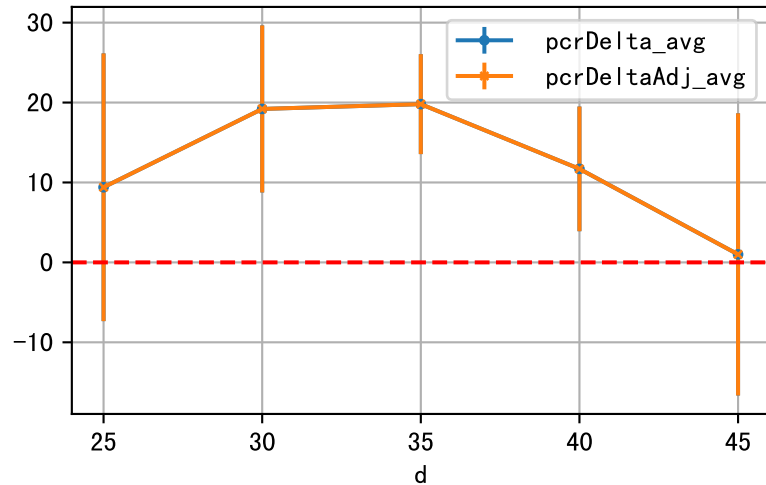
DeltaTypeAbbr=GrpByDay



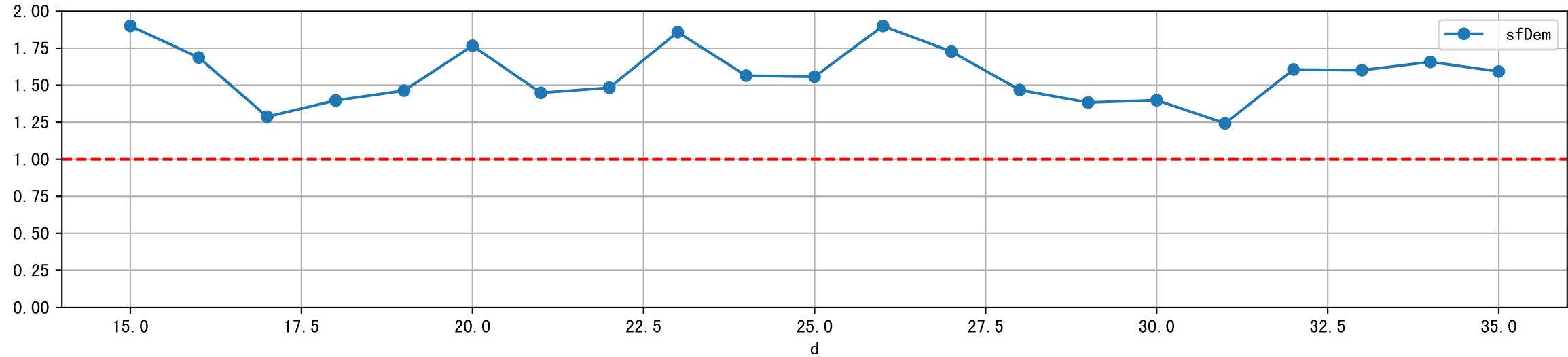
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD



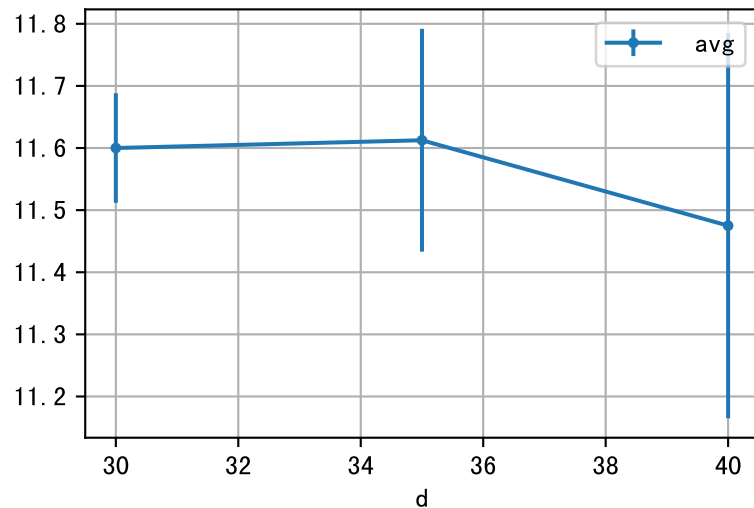
LfA: sfDem



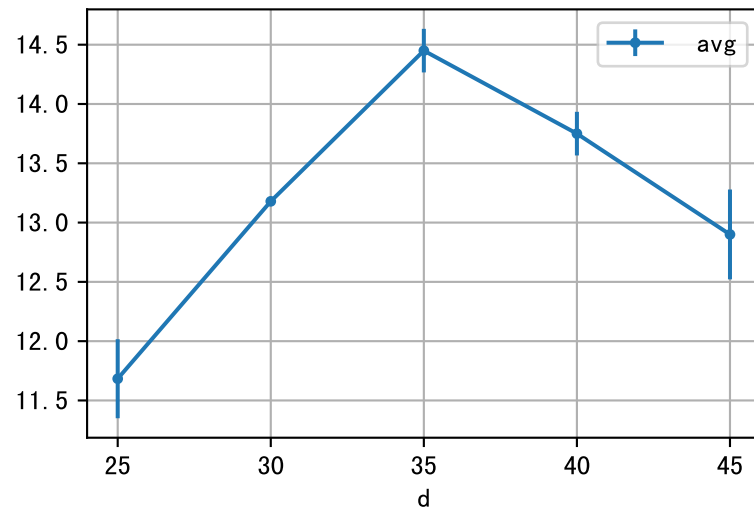


NdD: avg vs. d at each age group

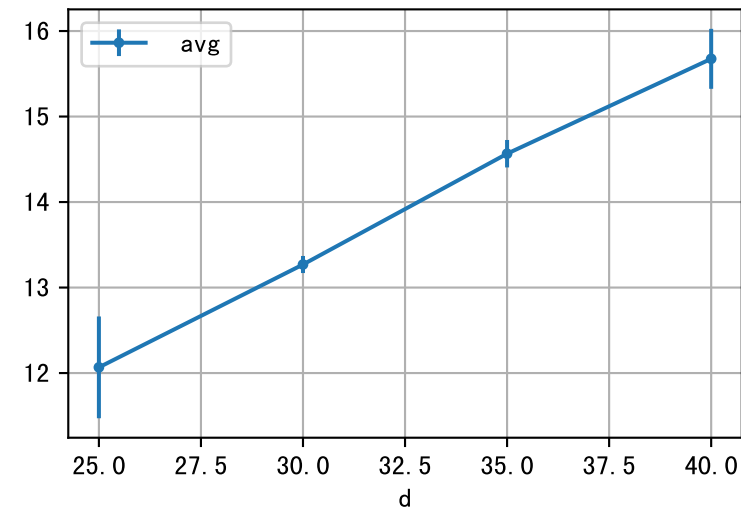
age=20



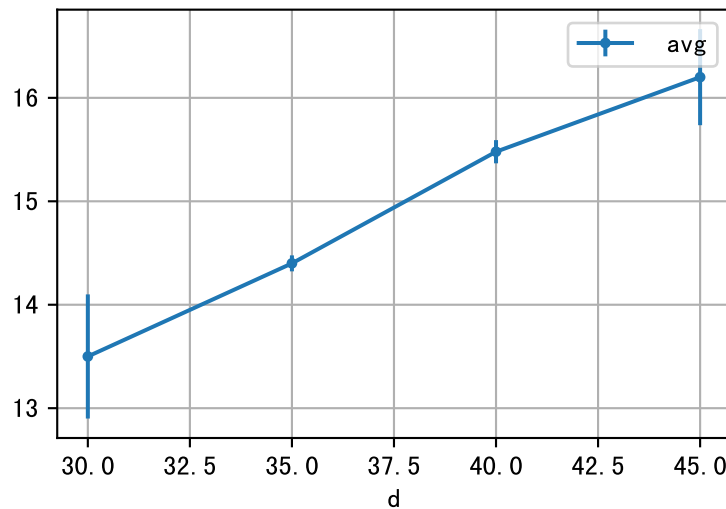
age=25



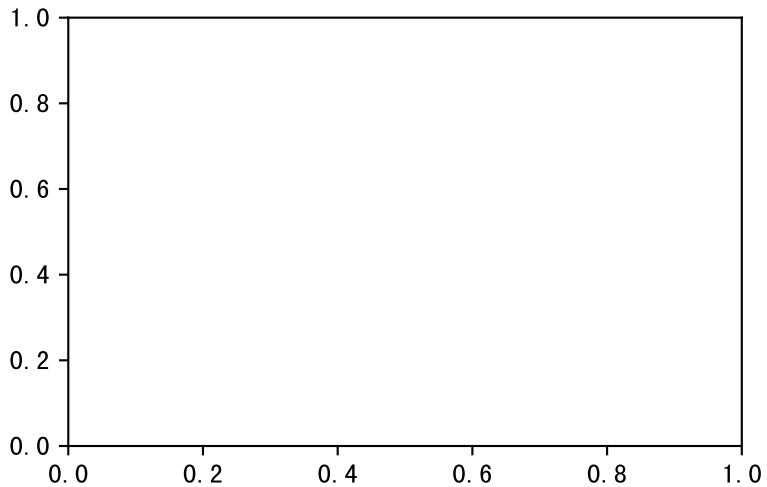
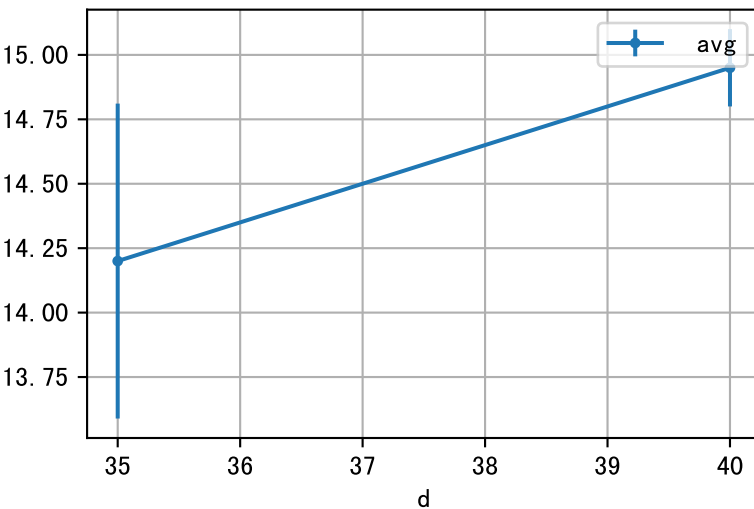
age=30



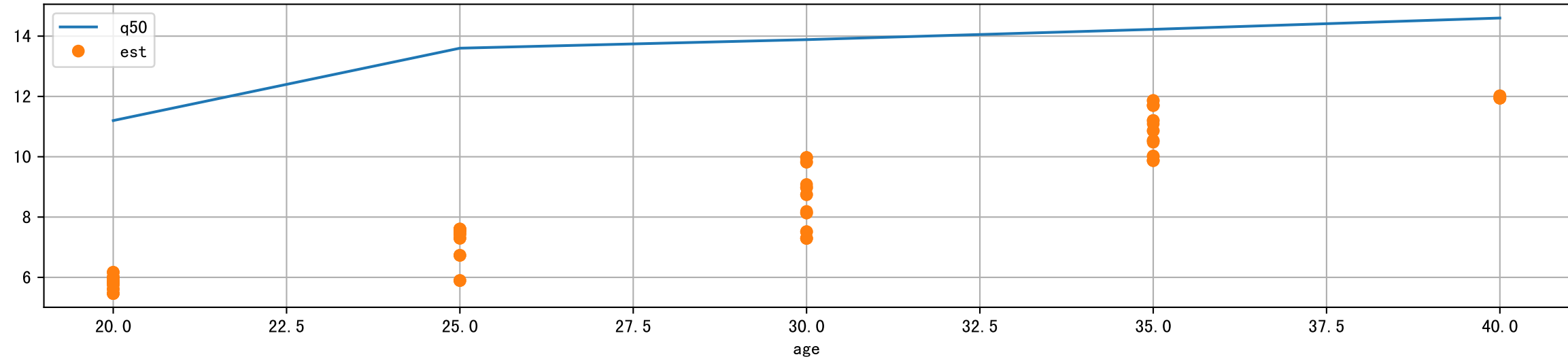
age=35



age=40

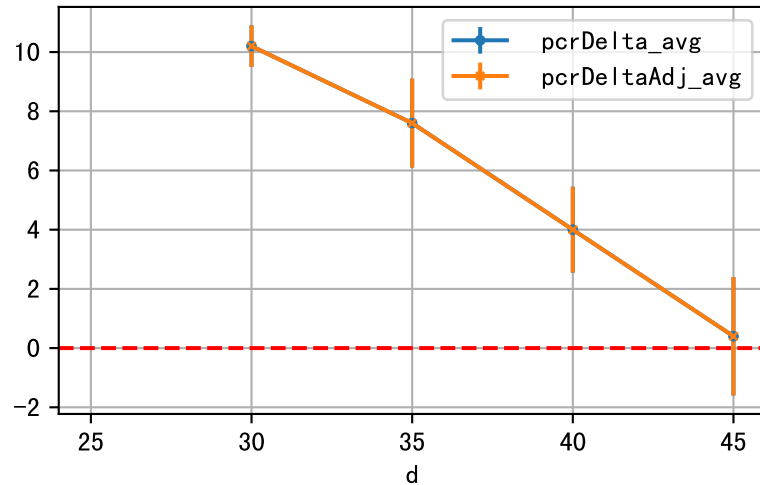


NdD: model est vs obs0v@Q50

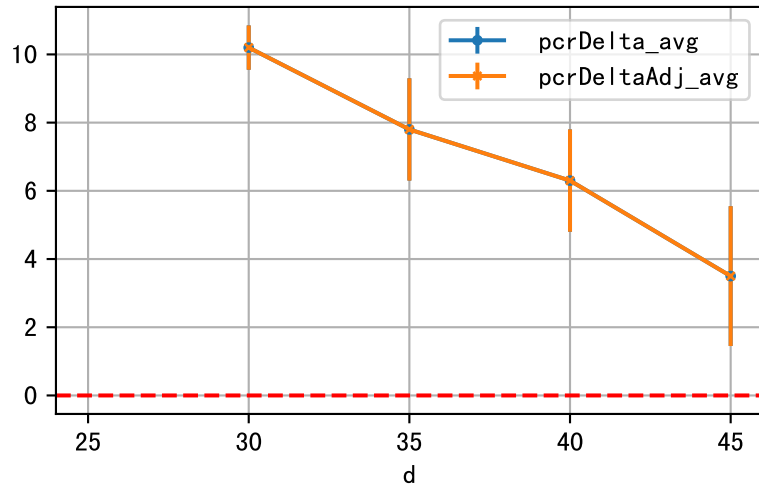


P3-2 NdD: D_5d_NdD

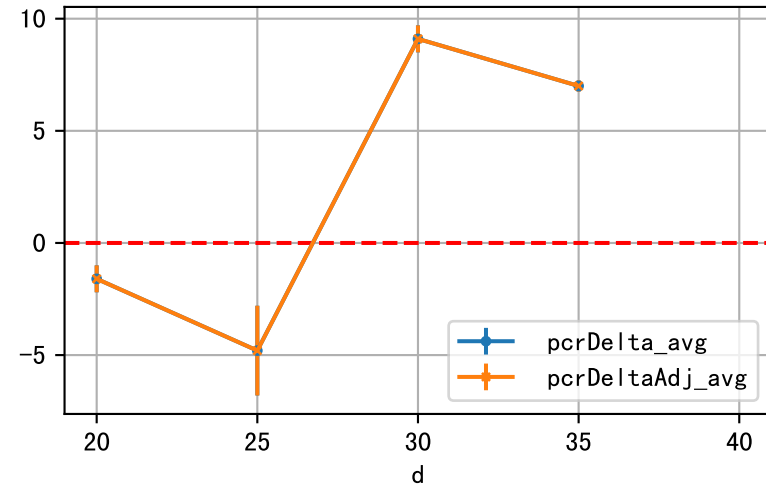
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

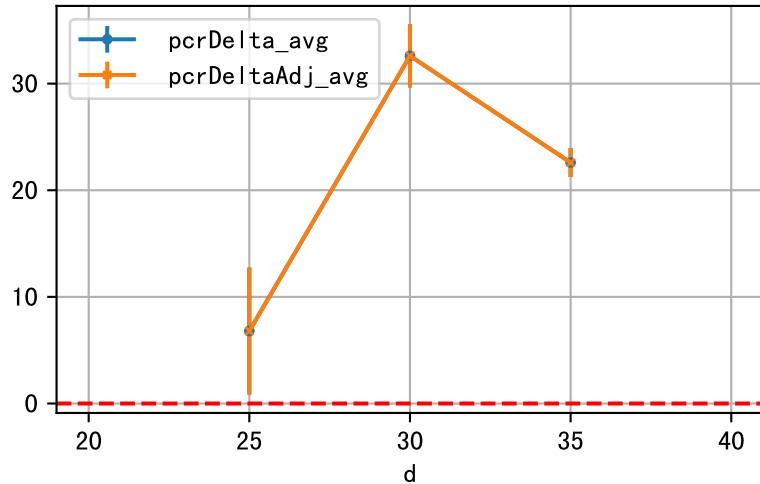


DeltaTypeAbbr=GrpByAge

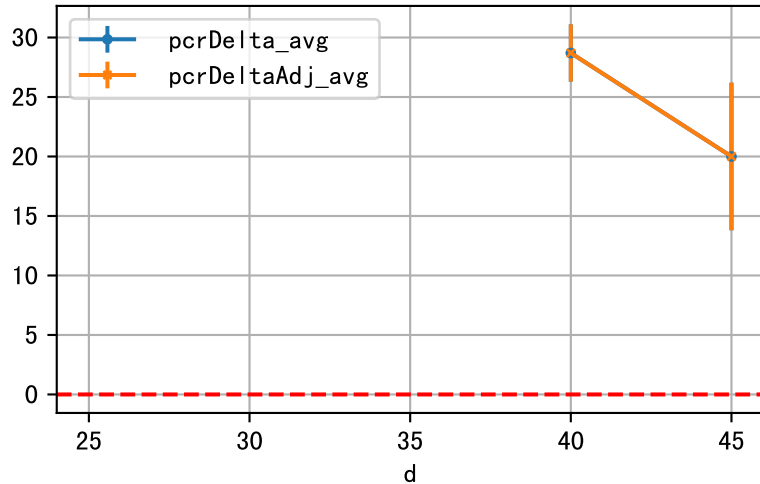


P3-2 NdD: D_15d_NdD

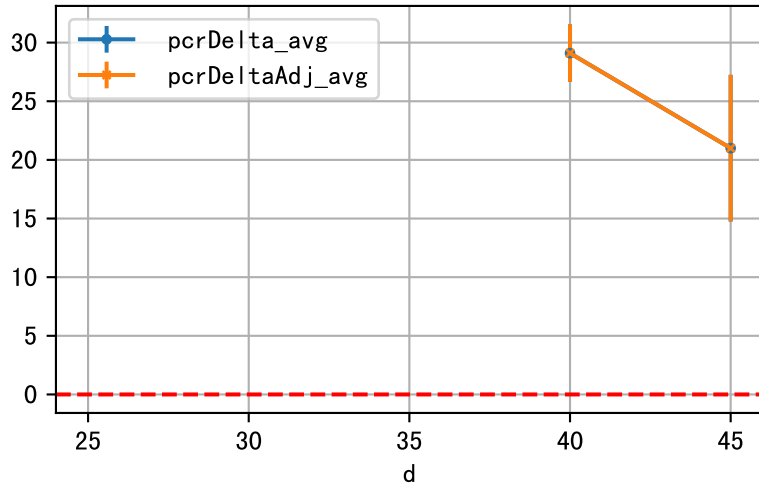
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

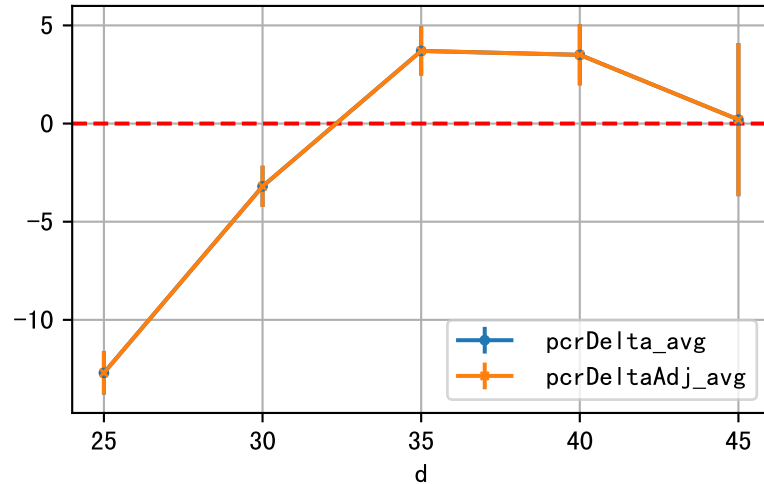


DeltaTypeAbbr=WeiAvgByD

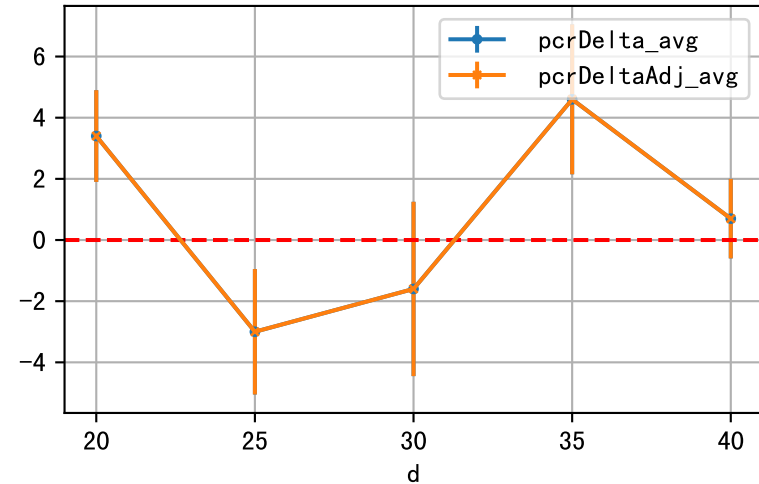


P3-2 NdD: D_Q50_NdD

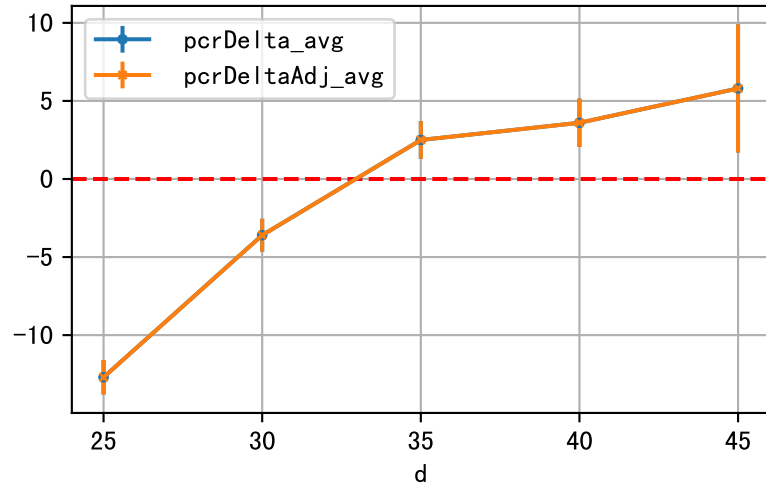
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

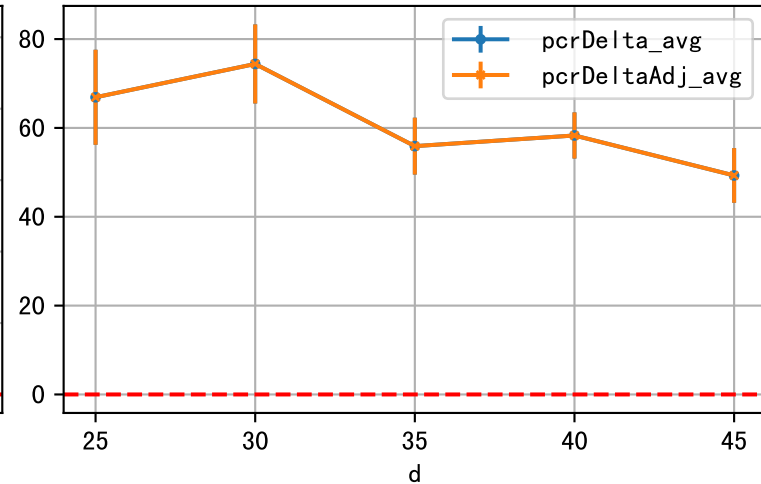


DeltaTypeAbbr=Wei AvgByD

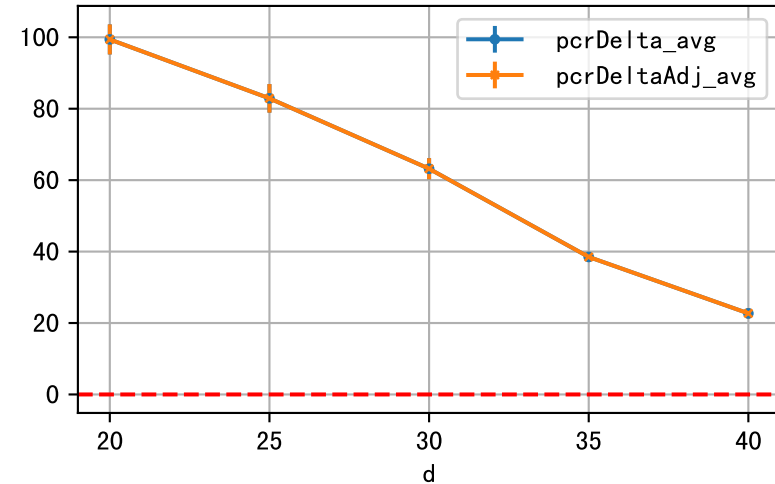


P3-2 NdD: D_Est_NdD

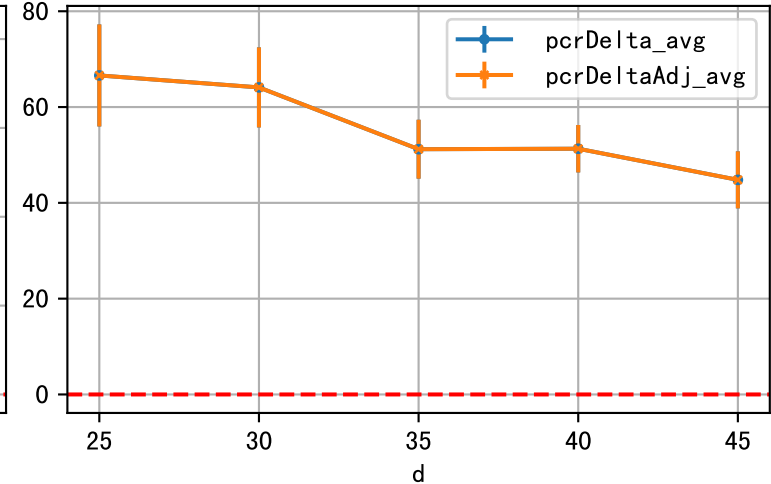
DeltaTypeAbbr=GrpByDay



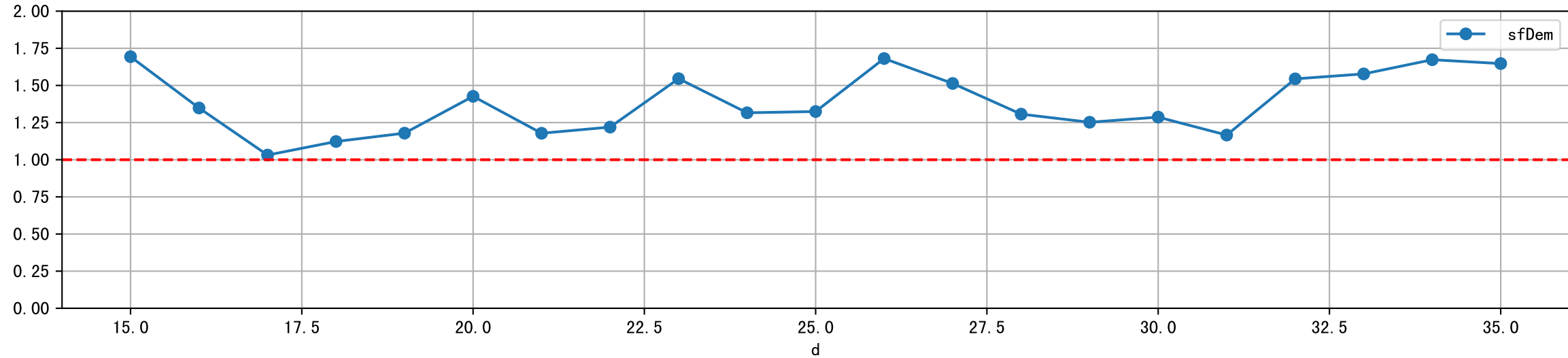
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD

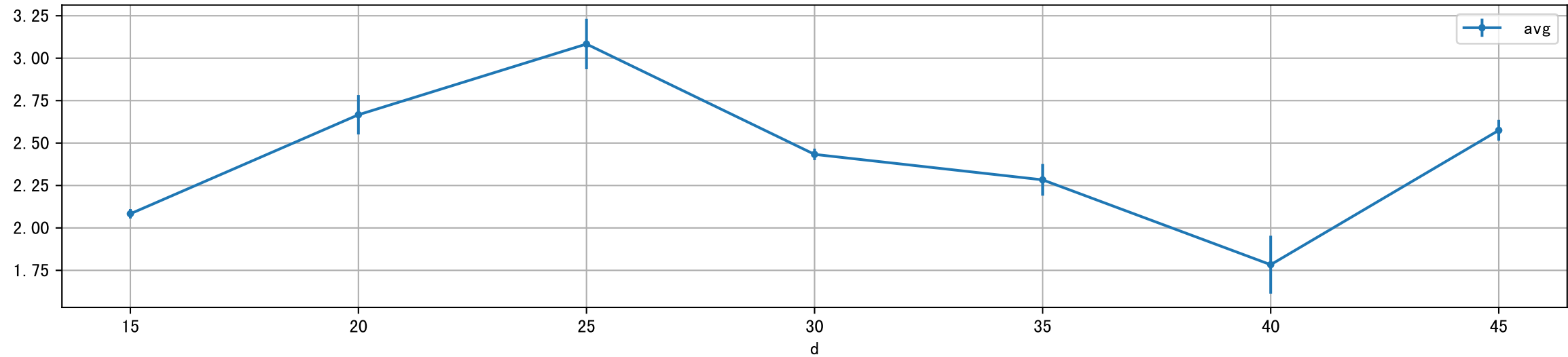


NdD: sfDem

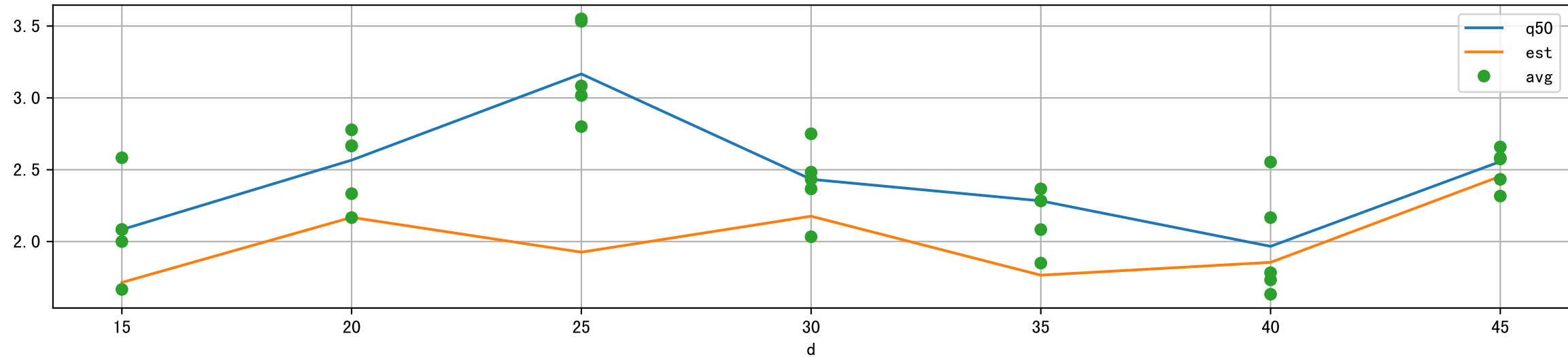




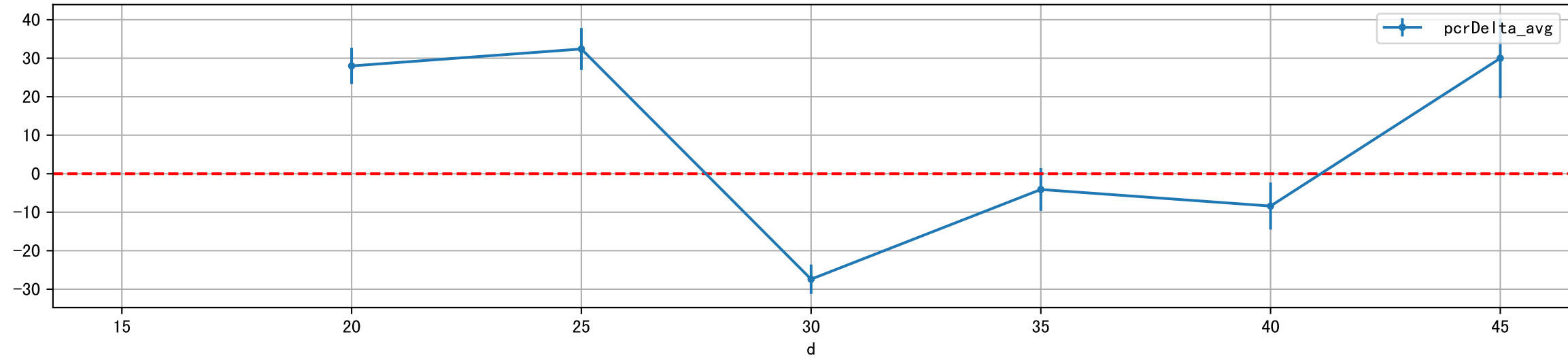
dStH: avg vs. d



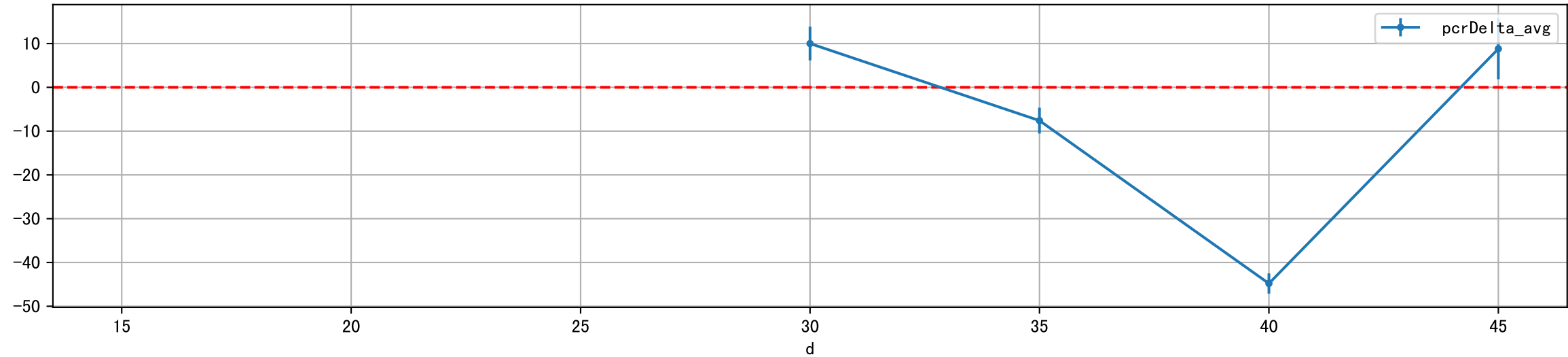
dStH: obsAvg vs obs0v@Q50



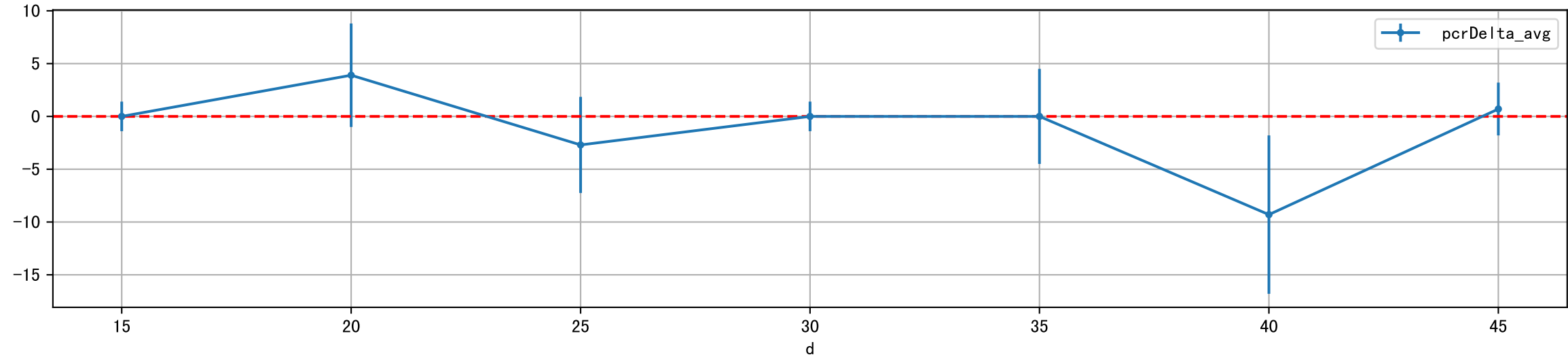
dStH: D_5d_StH



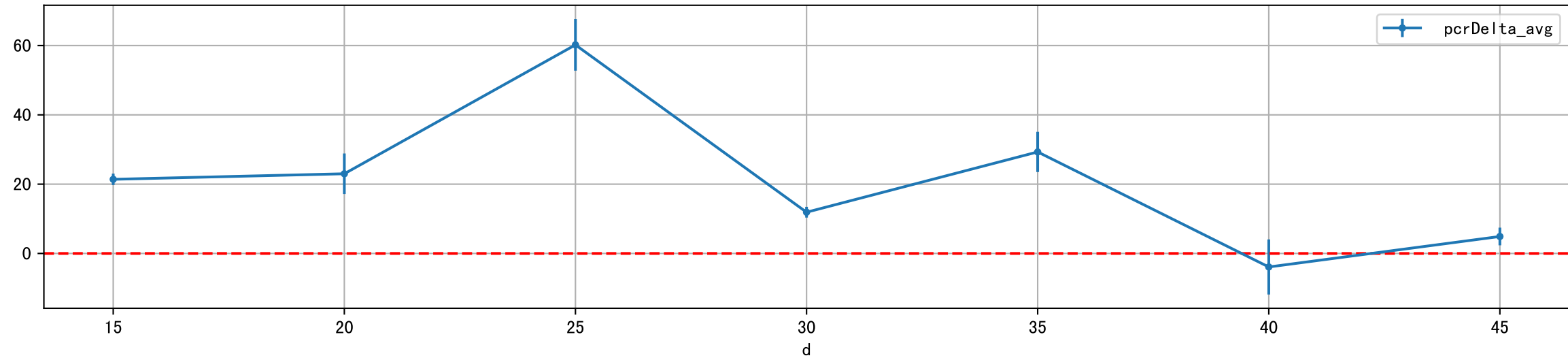
dStH: D_15d_StH



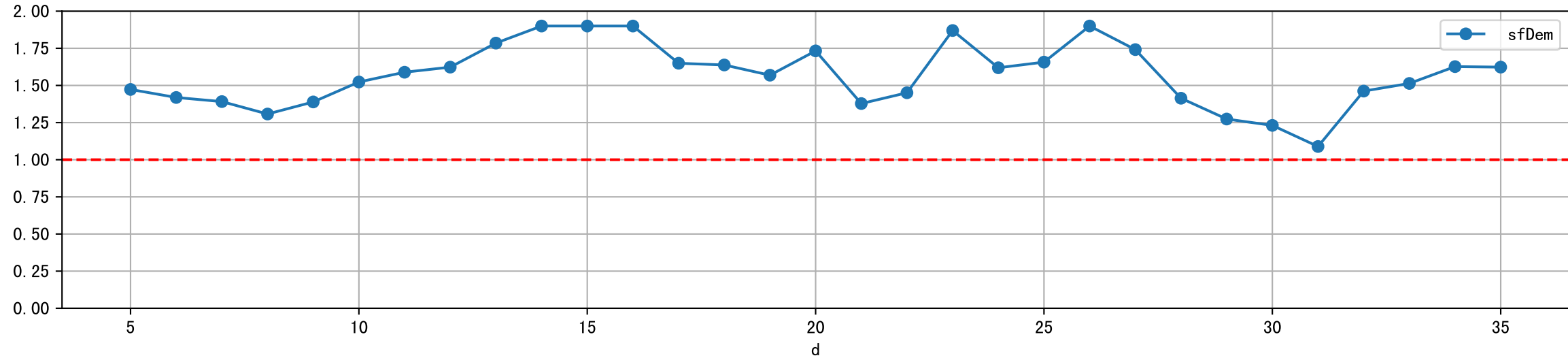
dStH: D_Q50_StH

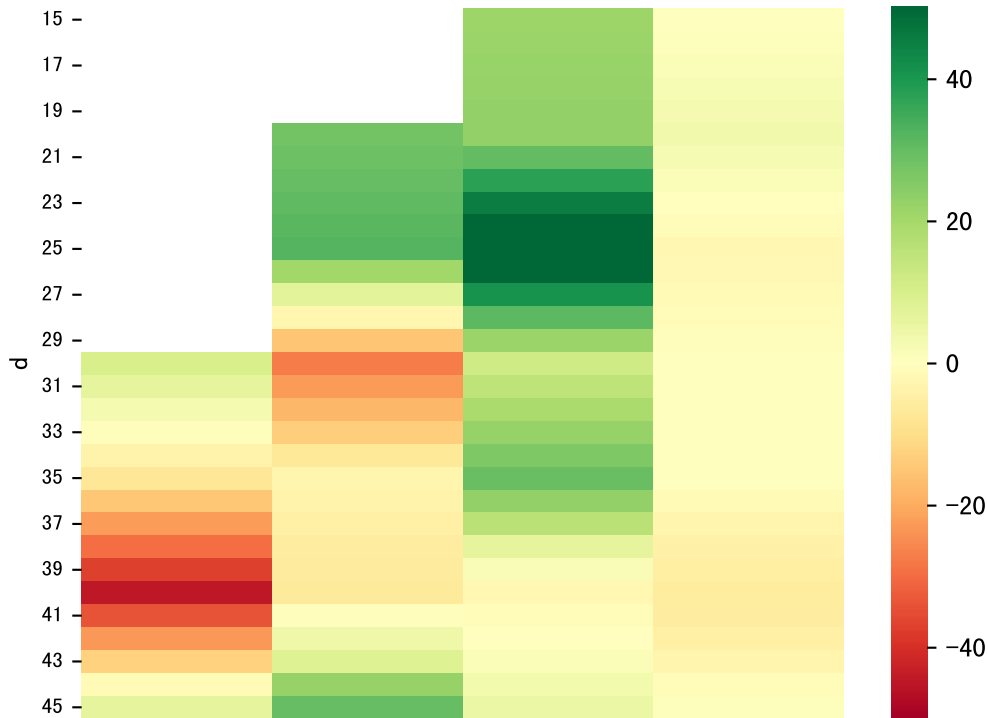


dStH: D_Est_StH



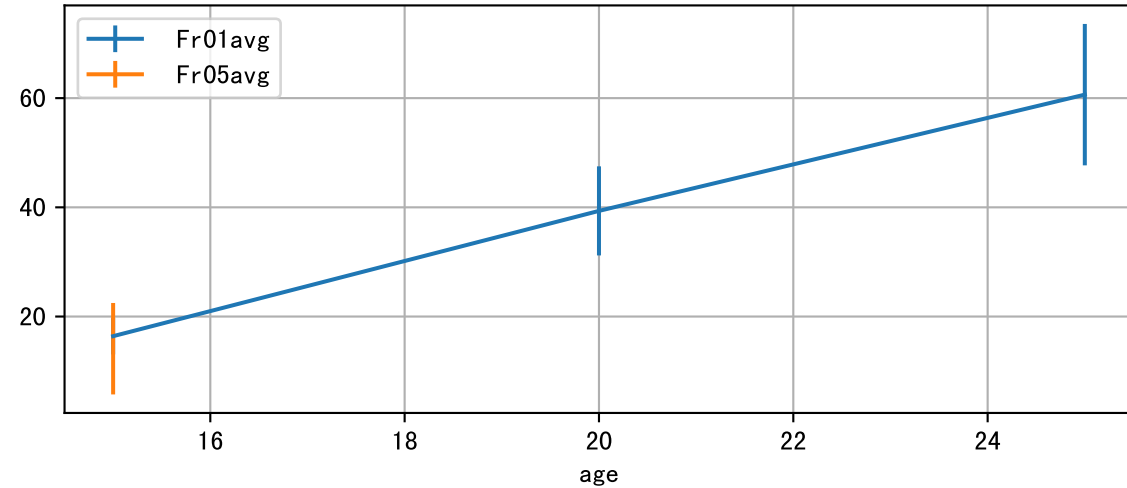
dStH: sfDem



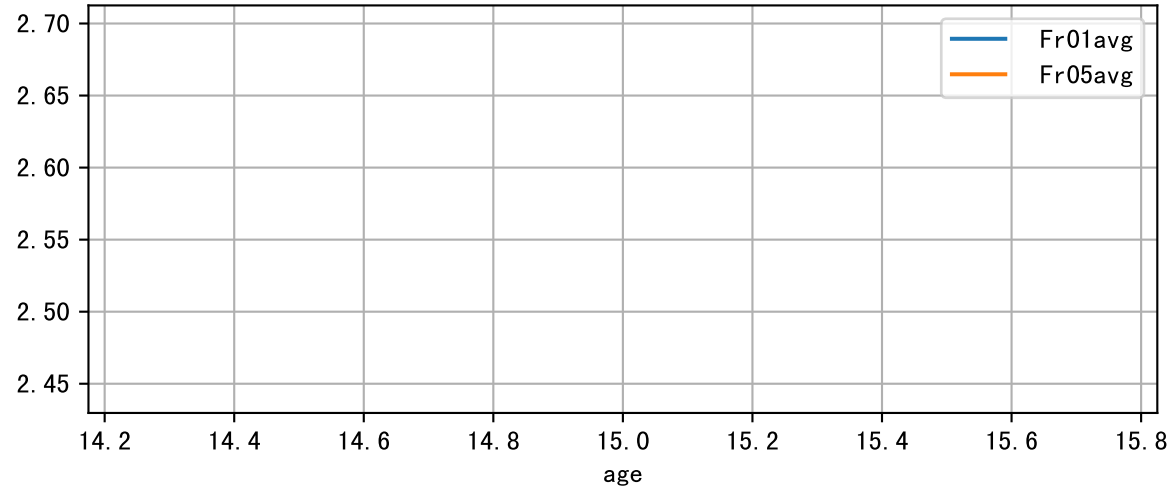


FrV: Fr01 vs Fr05 at each truss

organID=T01

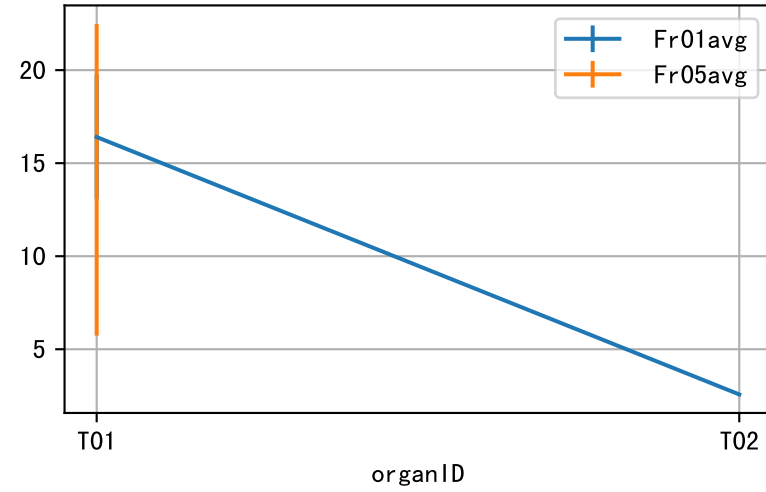


organID=T02

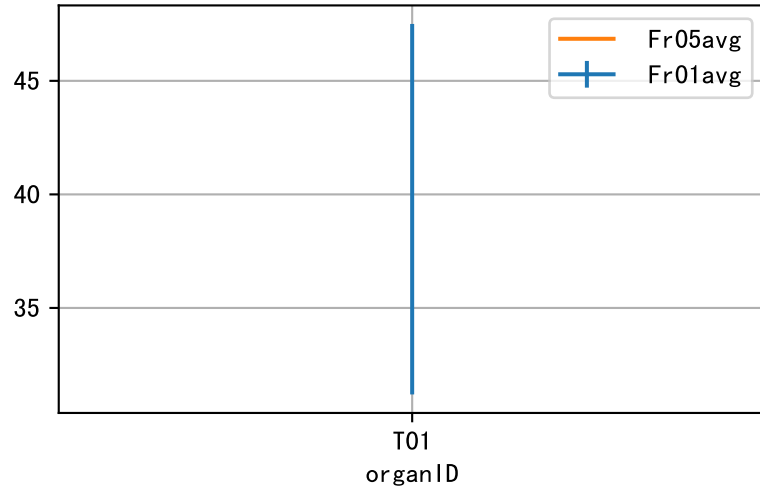


FrV trend at each age

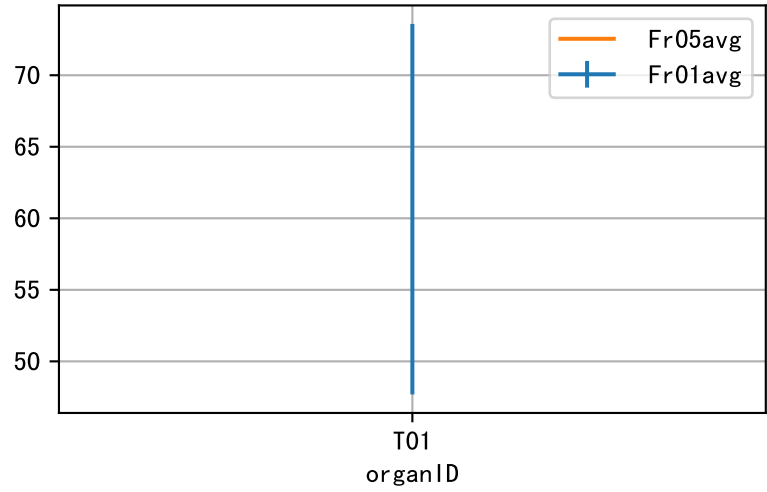
age=15



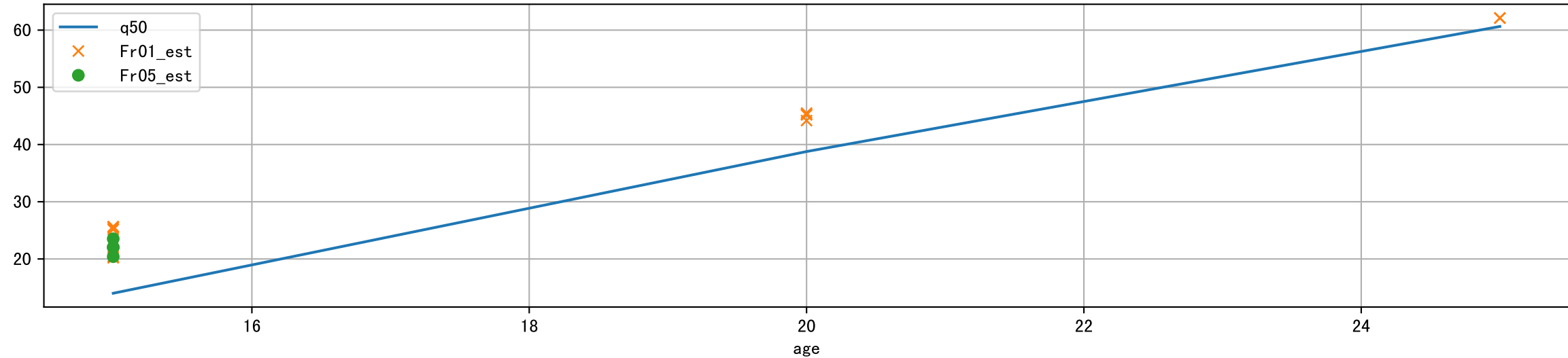
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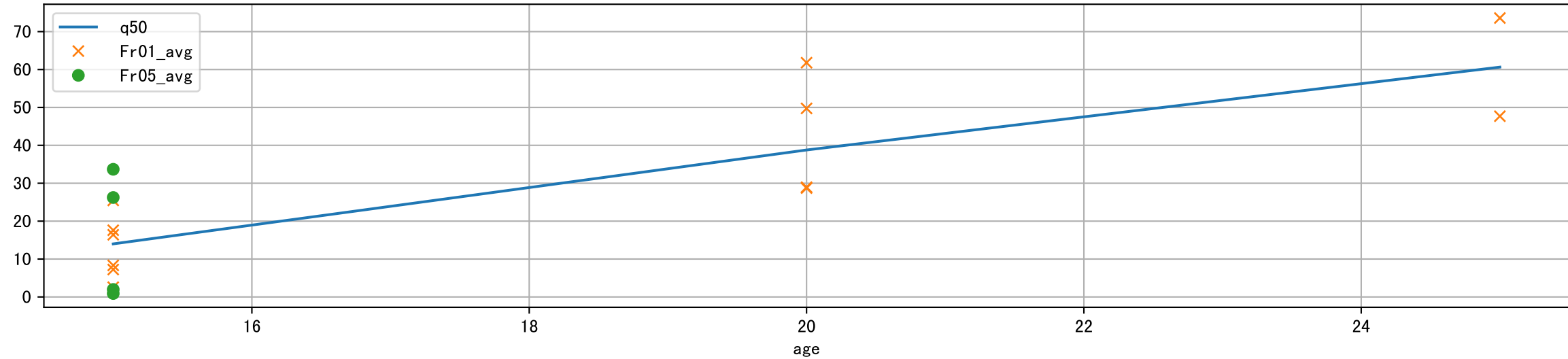
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FrV: model Est vs obsFrV at Q90

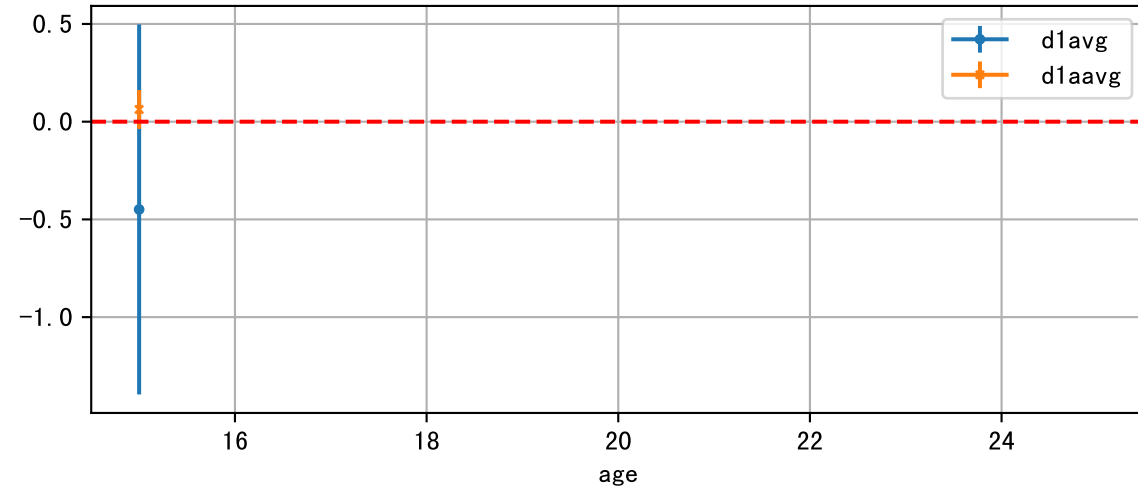


FrV: obsFrV vs obsFrV@Q90

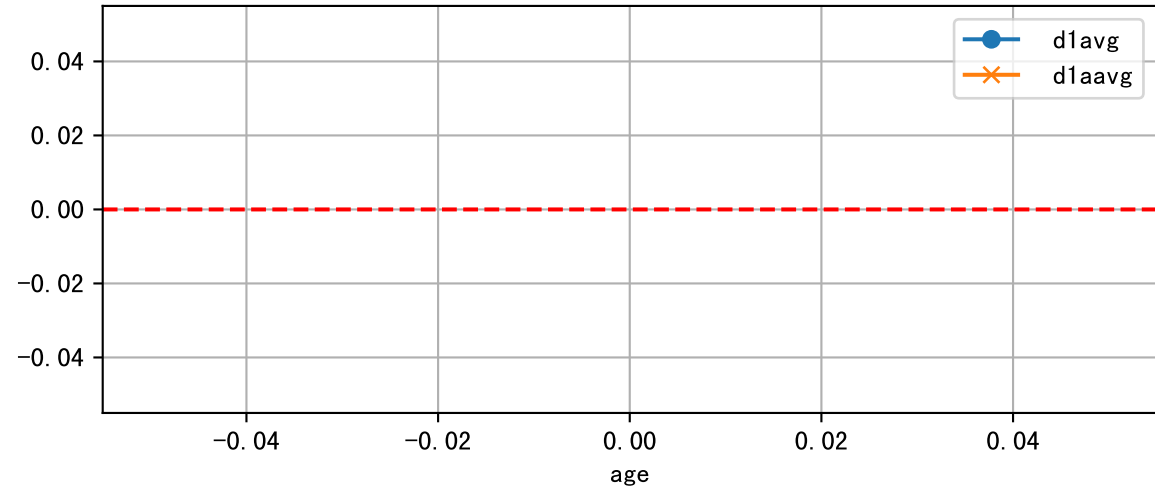


FrV: D_Fr1_FrV

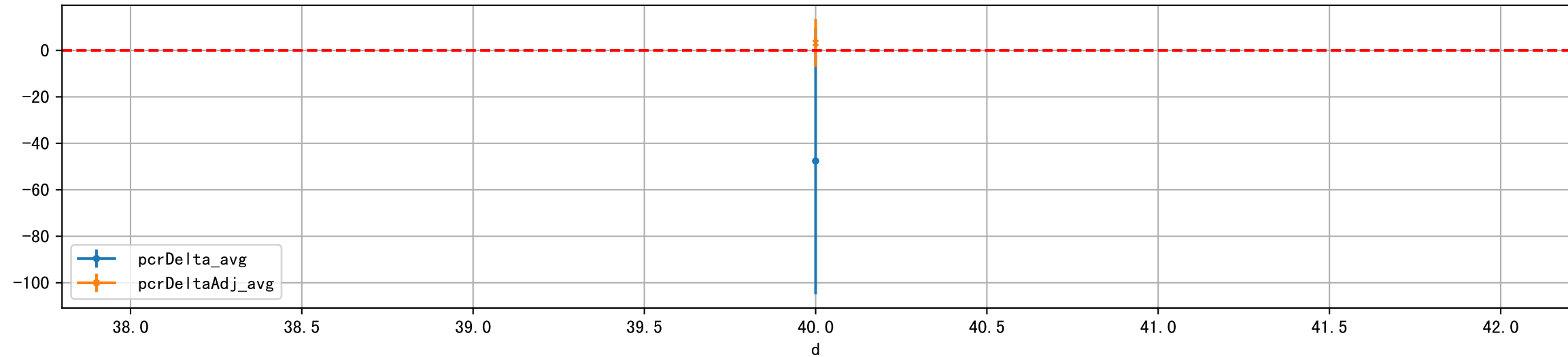
organID=1



organID=2

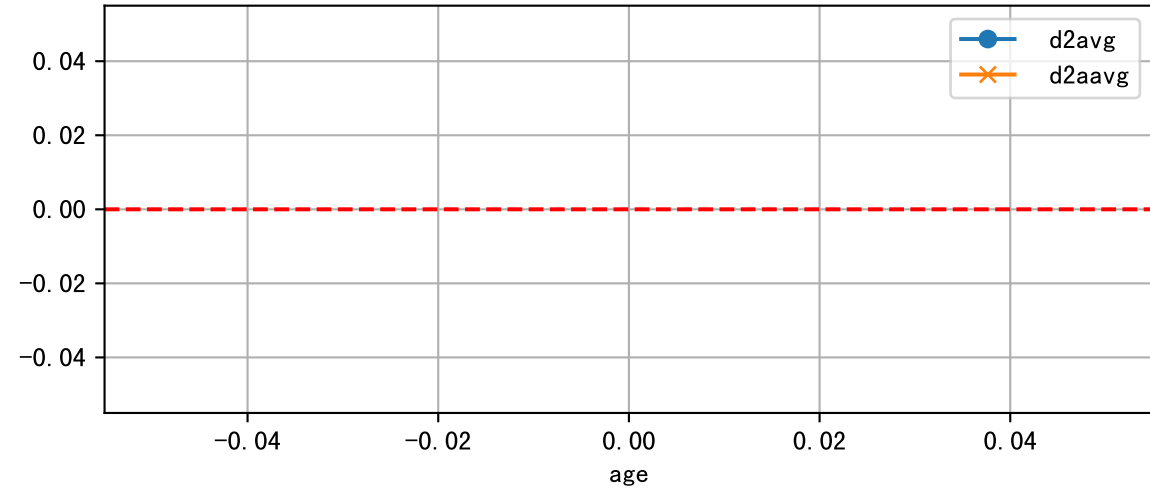


P3-2 FrV: D_Fr1_FrV

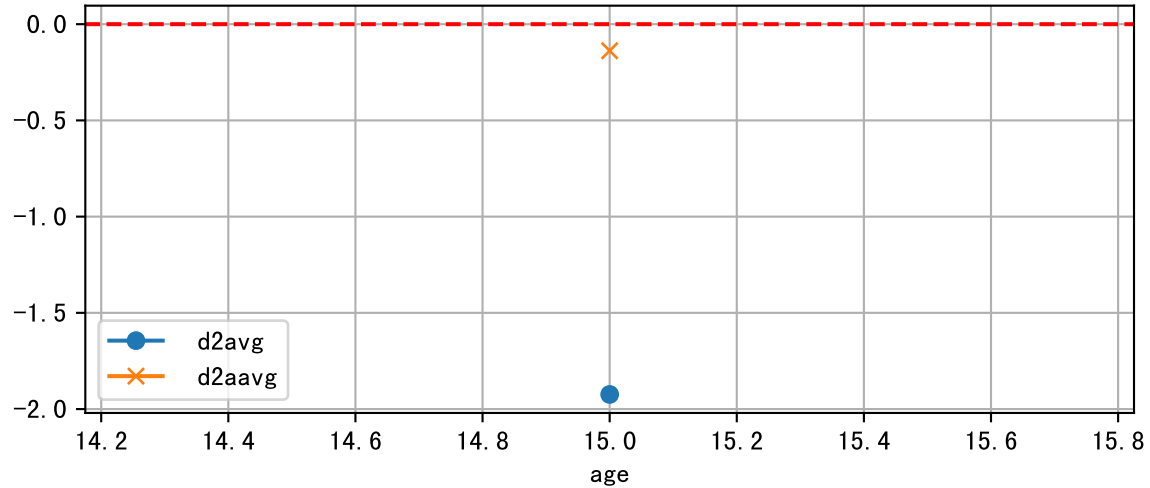


FrV: D_Ts_FrV

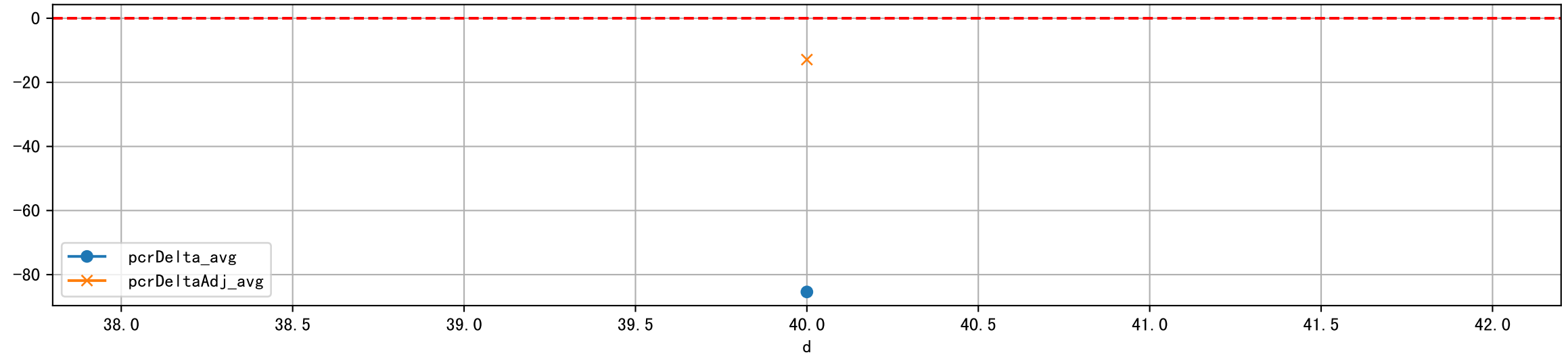
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organID=2

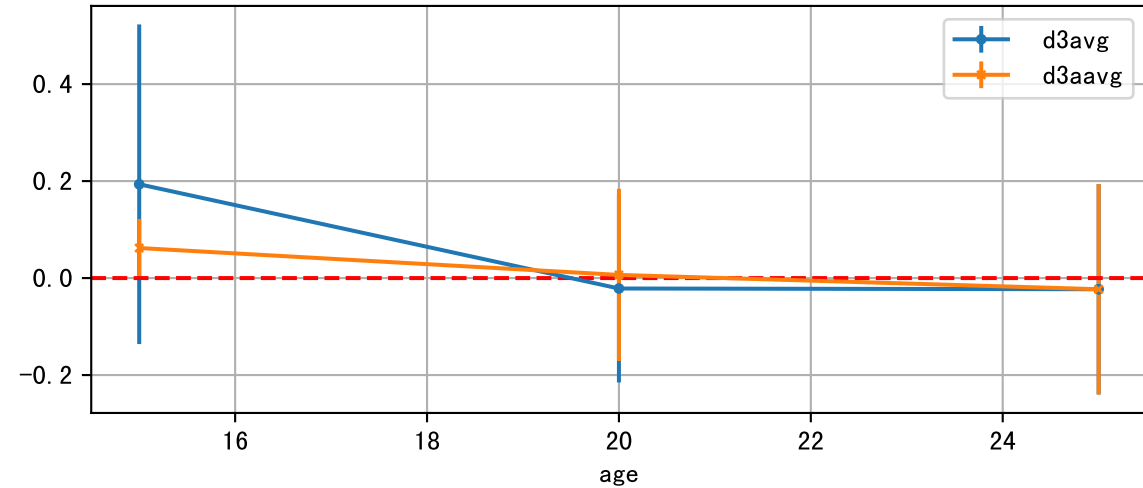


P3-2 FrV: D_Ts_FrV

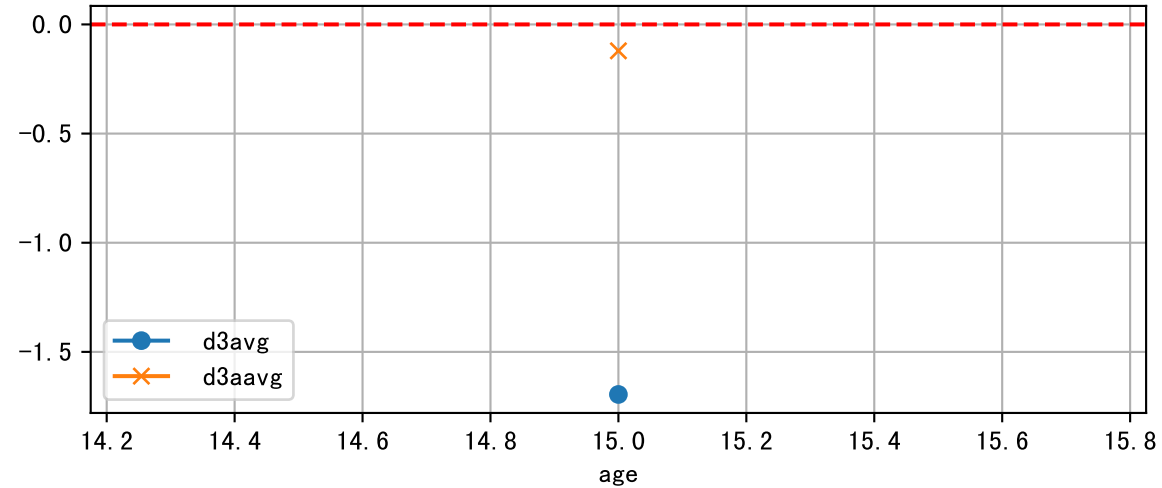


FrV: D_Q50_FrV

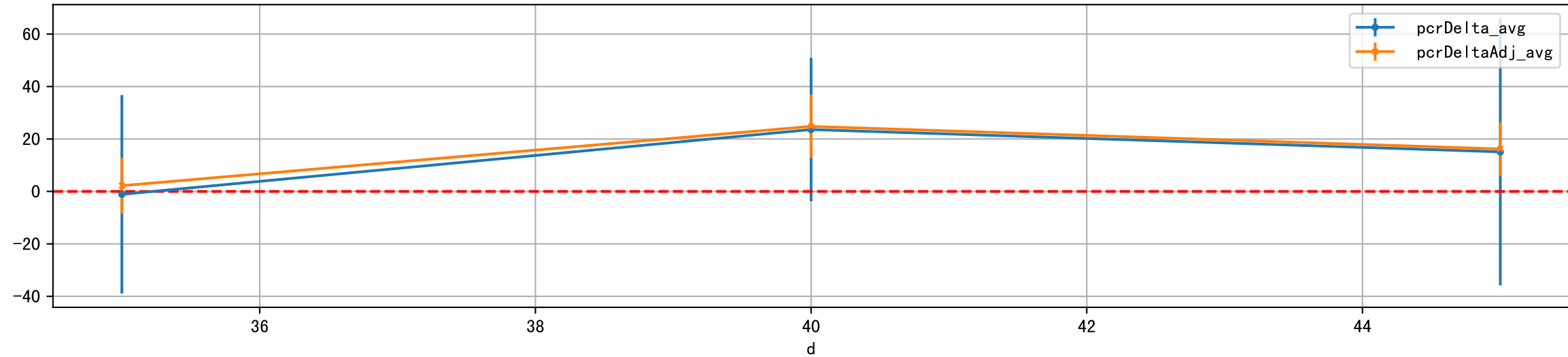
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organID=2

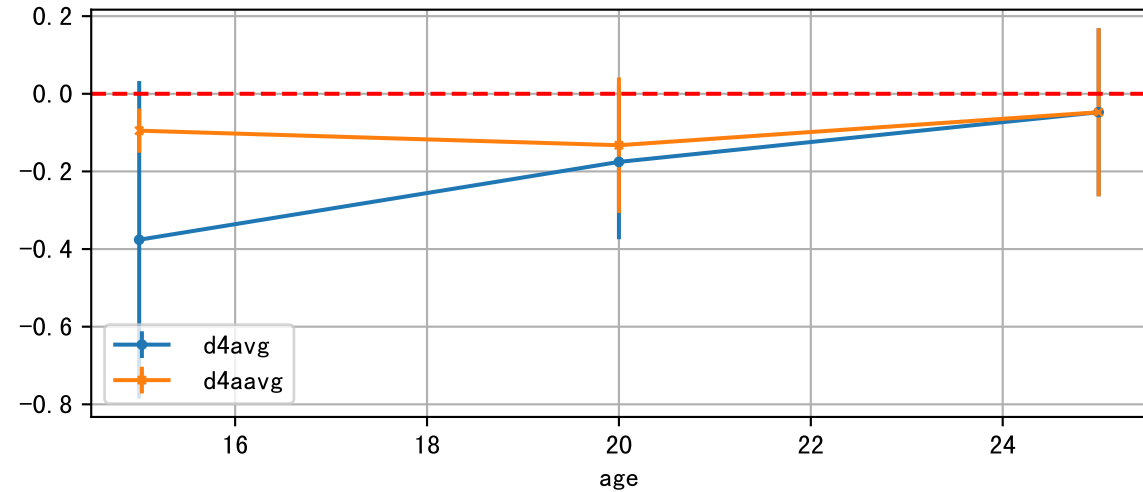


P3-2 FrV: D_Q50_FrV



FrV: D_Est_FrV

organID=1



organID=2

