

Phenotype Data Analysis Plots

PhenoData day range = 12 – 36

Analysis cutoff day = 36

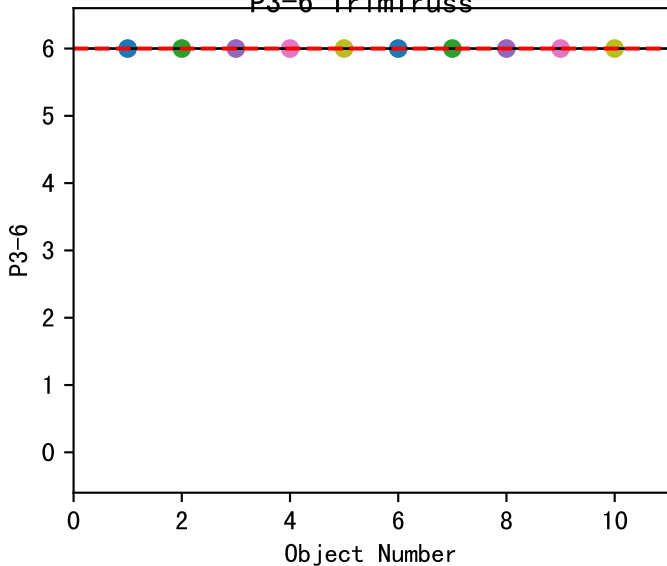
NC11 P3–6

2025-05-05 (Day 37)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0 ~0% avg2=na

P3-6 TrimTruss



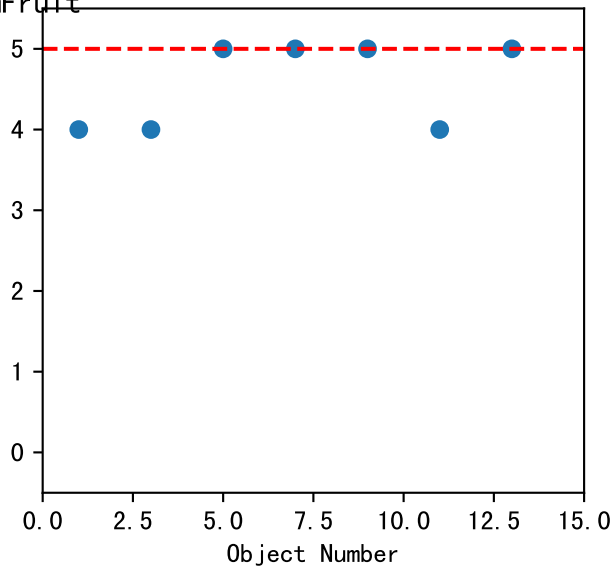
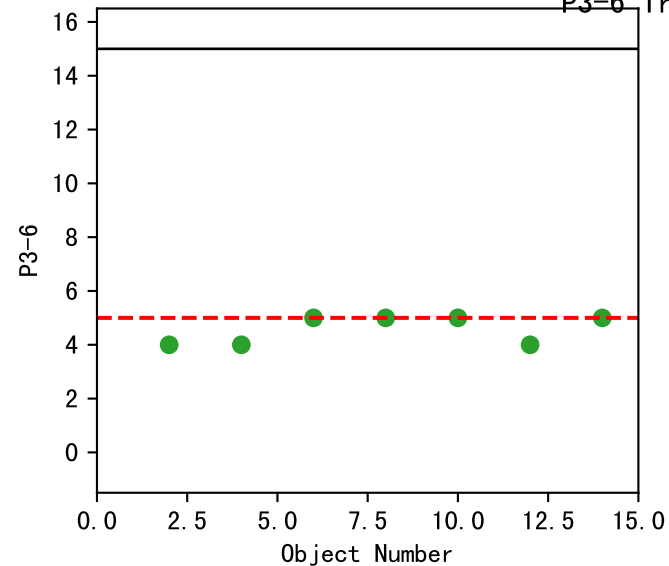
FruitNumAvgPerTruss (Def=15 Set=5)

avg1=5.0~11% avg2=na

P3-6 TrimFruit

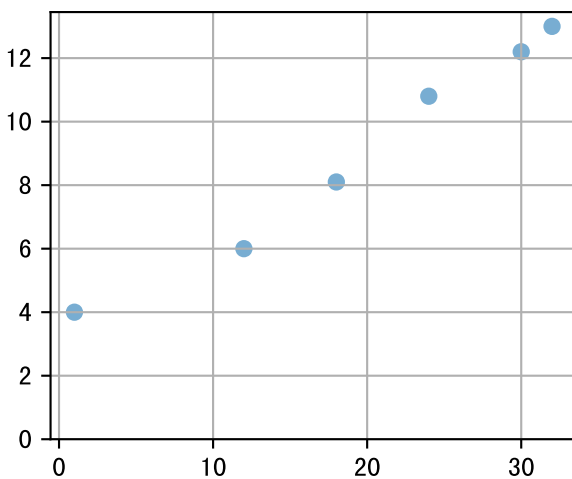
FruitNumMaxPerTruss (Def=na Set=5)

avg1=5.0~11% avg2=na

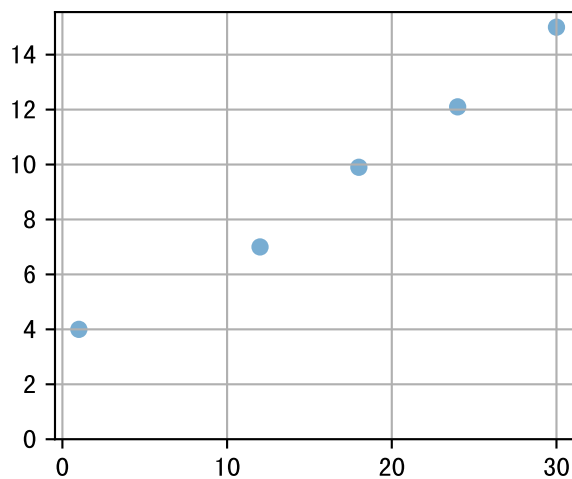


NdN

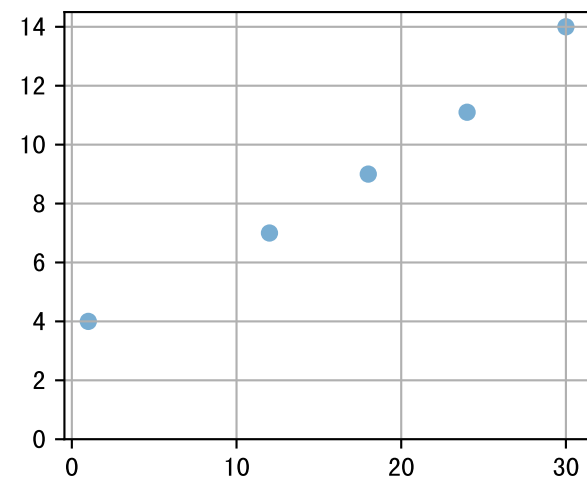
P3-6-003-24 (fit failed)



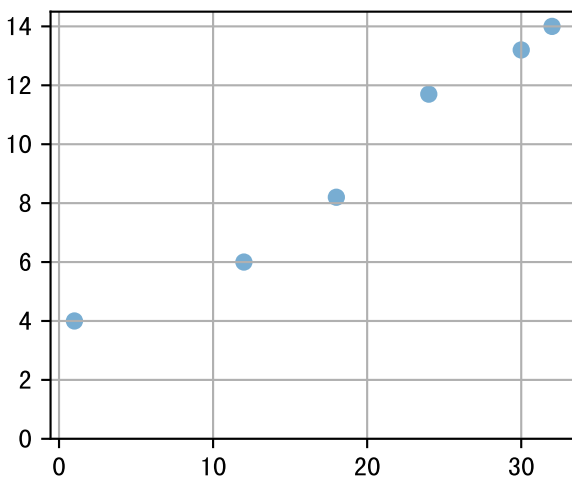
P3-6-007-11 (fit failed)



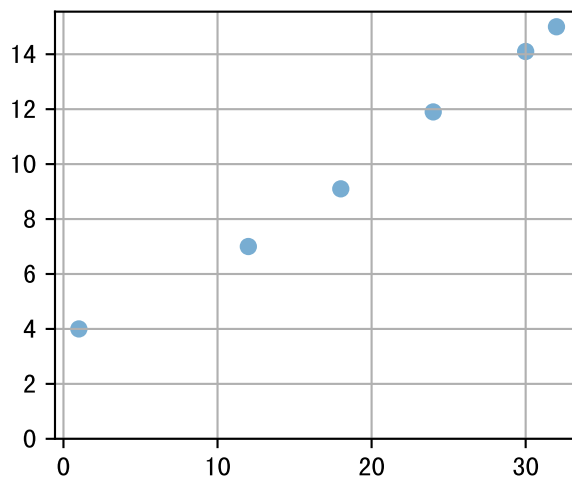
P3-6-011-7 (fit failed)



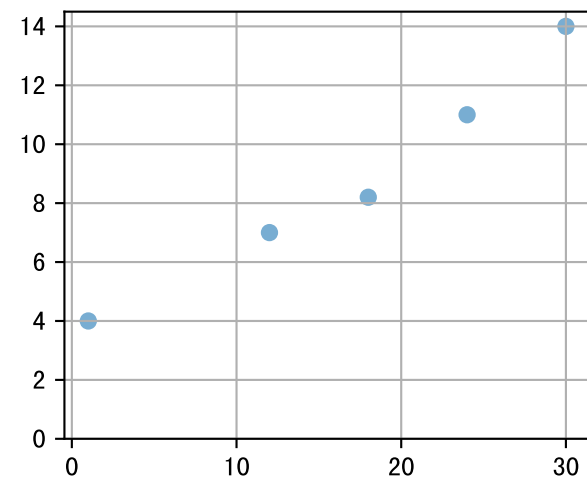
P3-6-015-30 (fit failed)



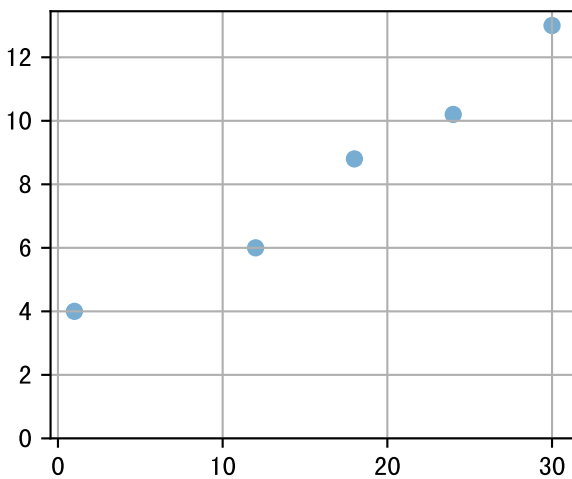
P3-6-019-12 (fit failed)



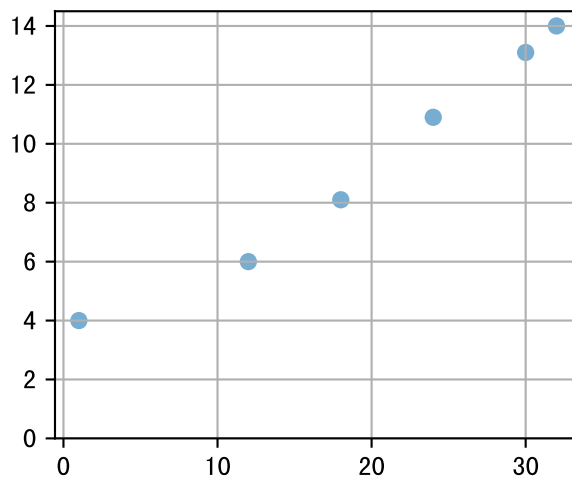
P3-6-024-25 (fit failed)



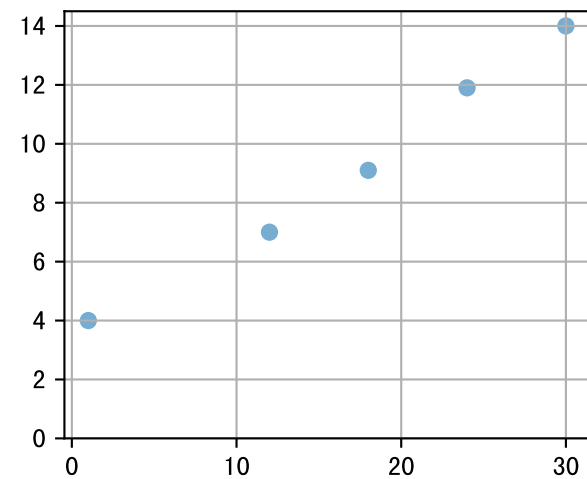
P3-6-028-32 (fit failed)



P3-6-033-9 (fit failed)

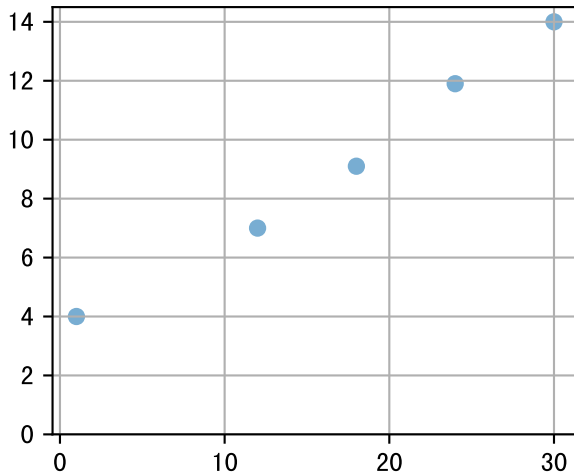


P3-6-038-21 (fit failed)



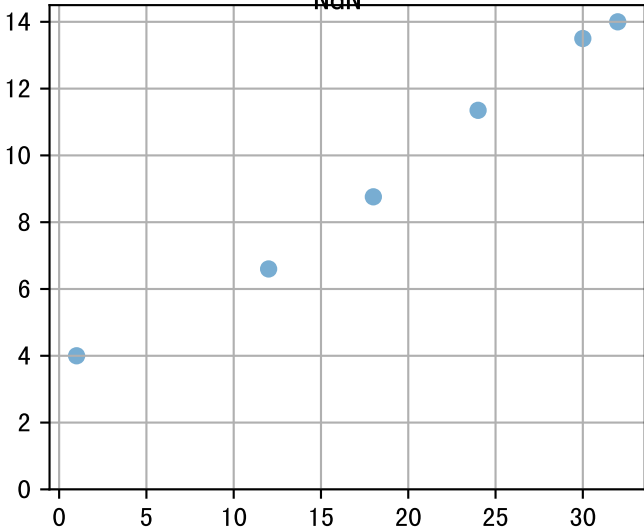
P3-6-042-4 (fit failed)

NdN



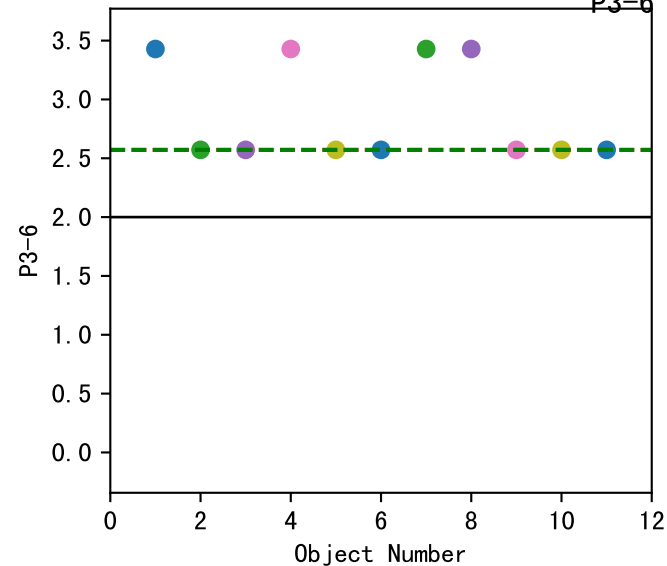
P3-6avg (fit failed)

NdN



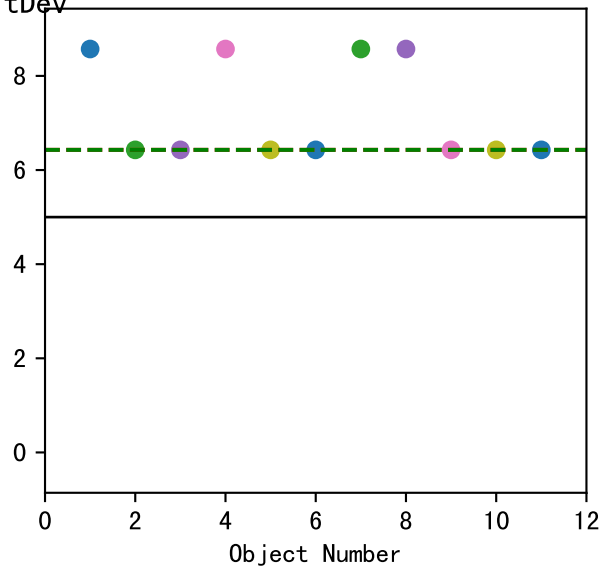
InitDev_dm (Def=2 Set=2.57)
avg1=2.57~17% avg2=2.57

P3-6



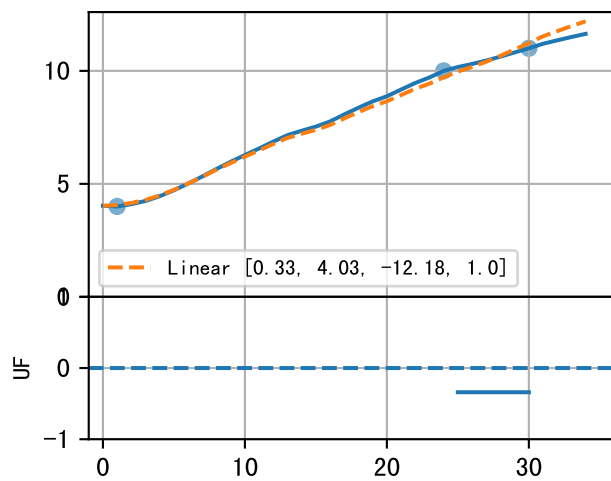
InitDev_de (Def=5 Set=6.43)
avg1=6.43~17% avg2=6.43

InitDev

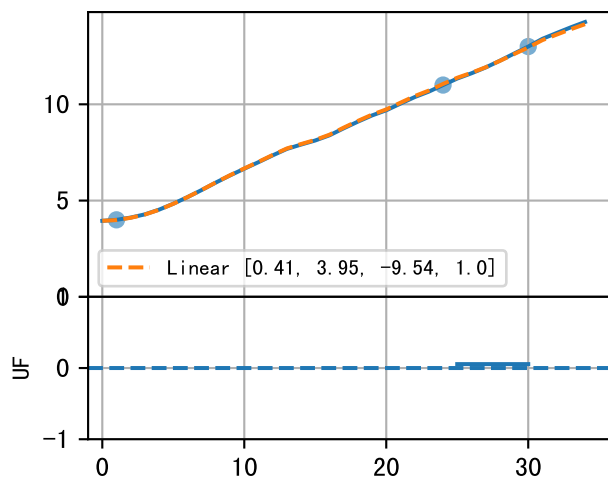


LFN

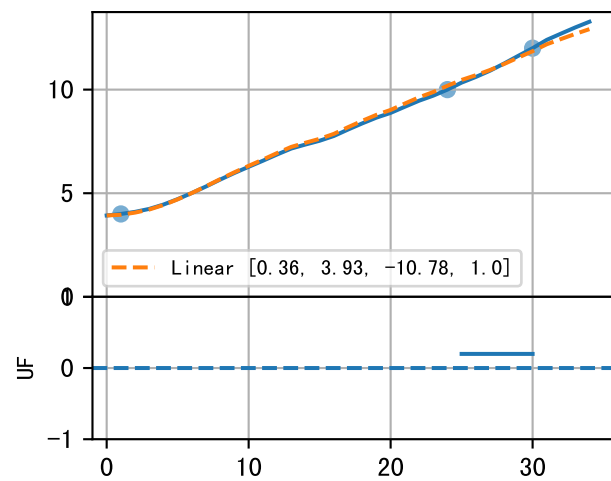
P3-6-003-24



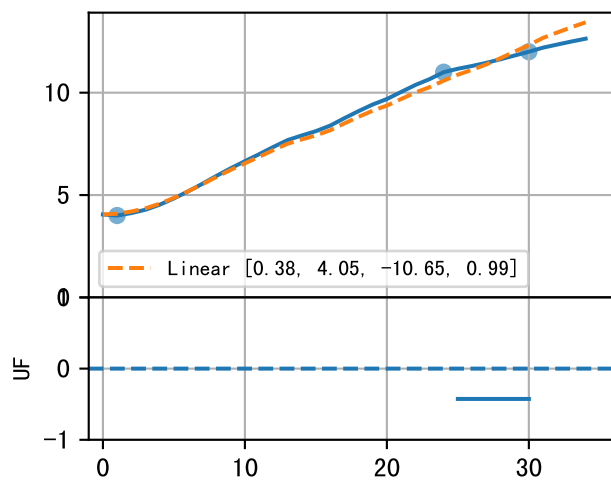
P3-6-007-11



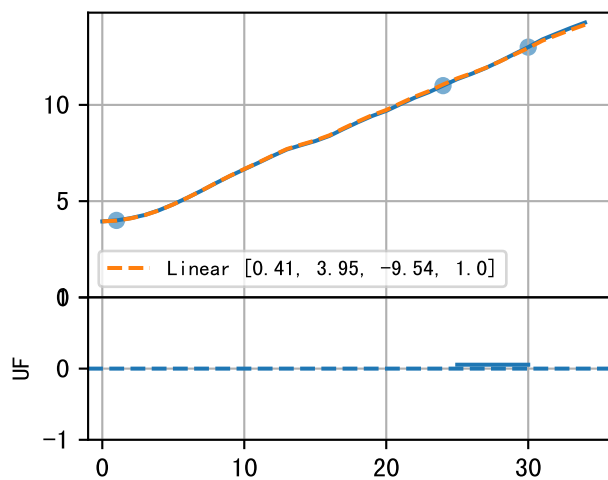
P3-6-011-7



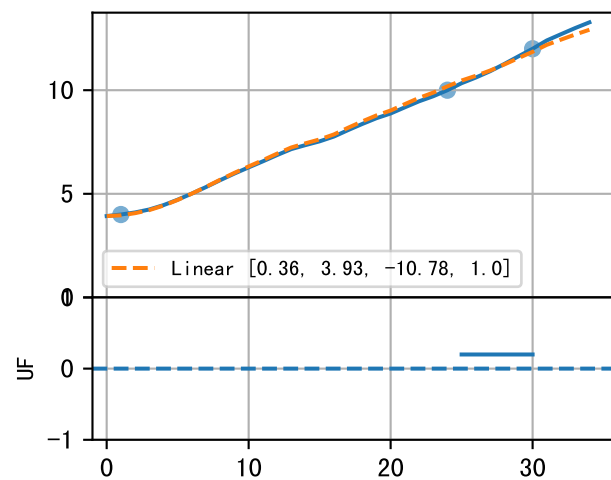
P3-6-015-30



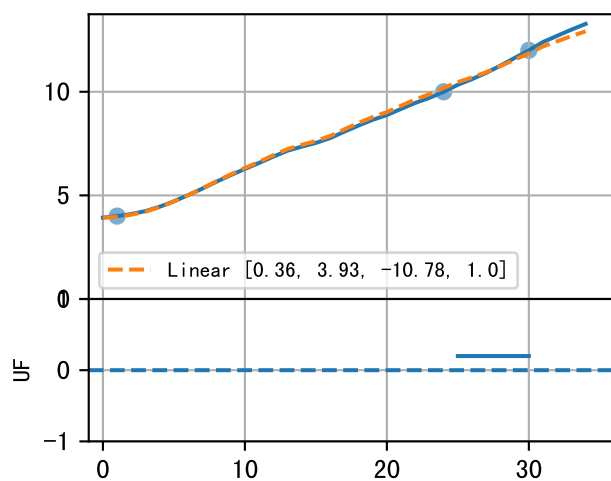
P3-6-019-12



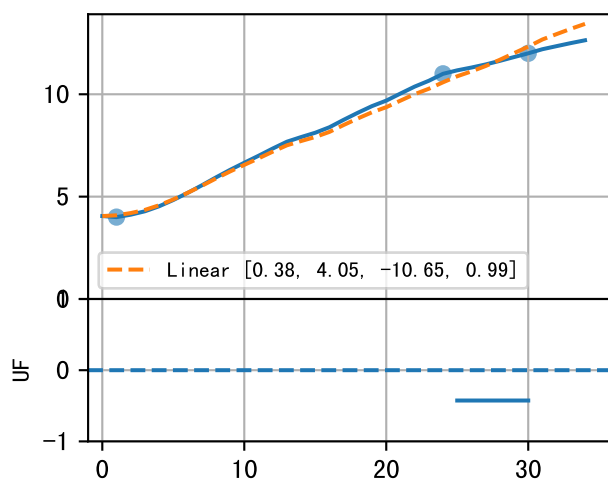
P3-6-024-25



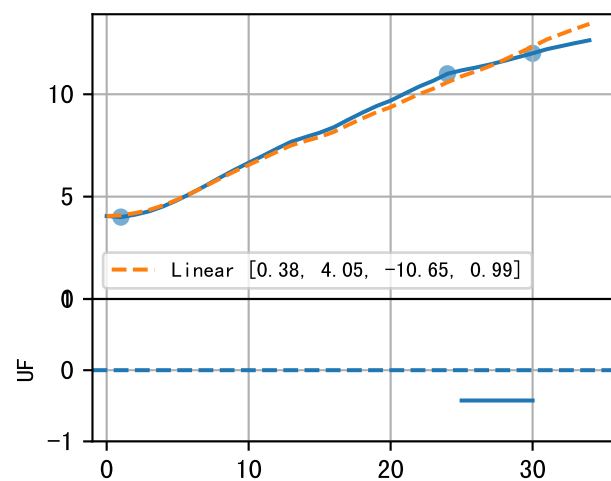
P3-6-033-9



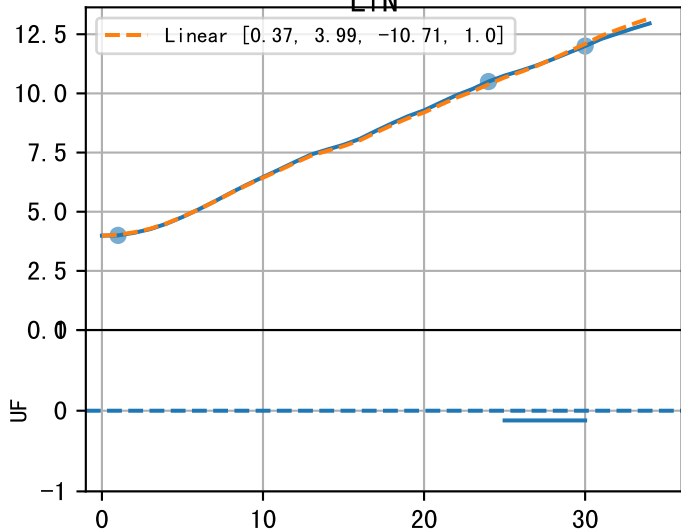
P3-6-038-21



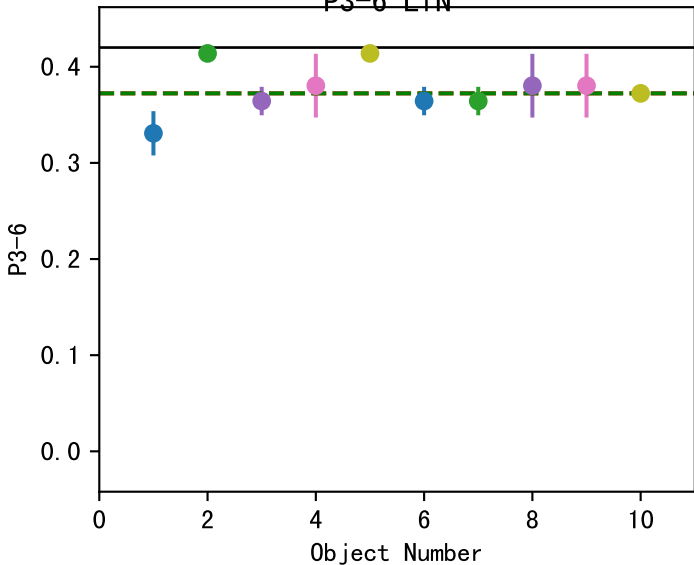
P3-6-042-4



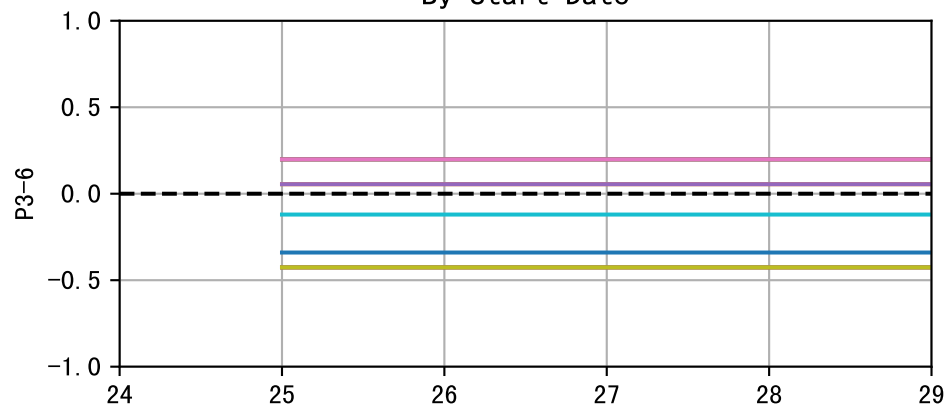
P3-6avg
Lfn



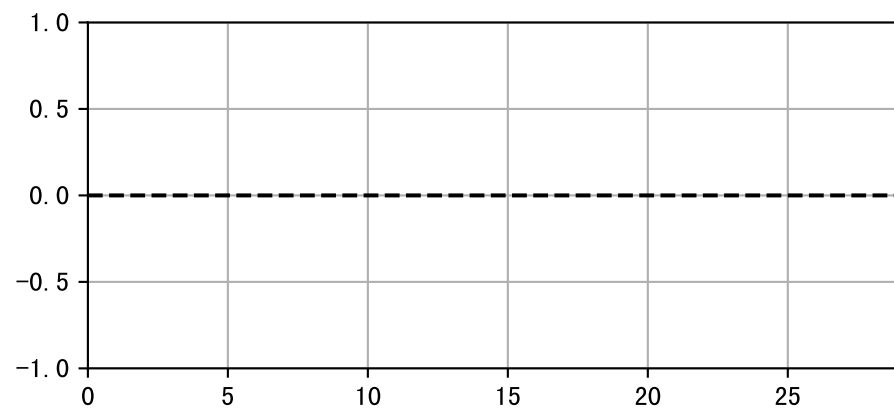
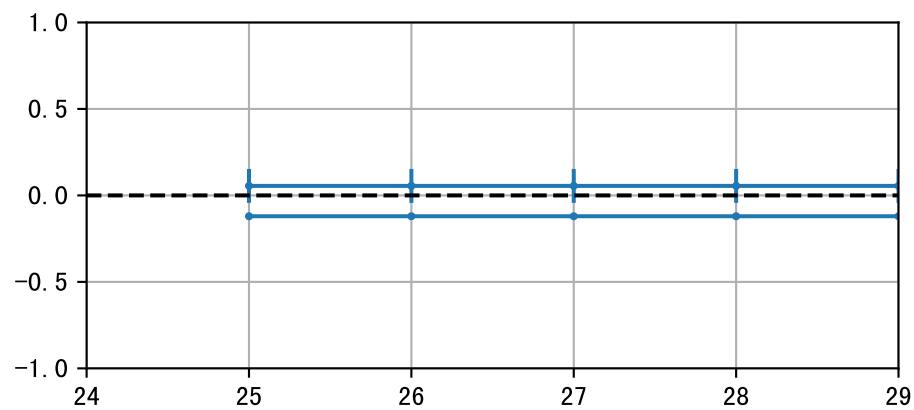
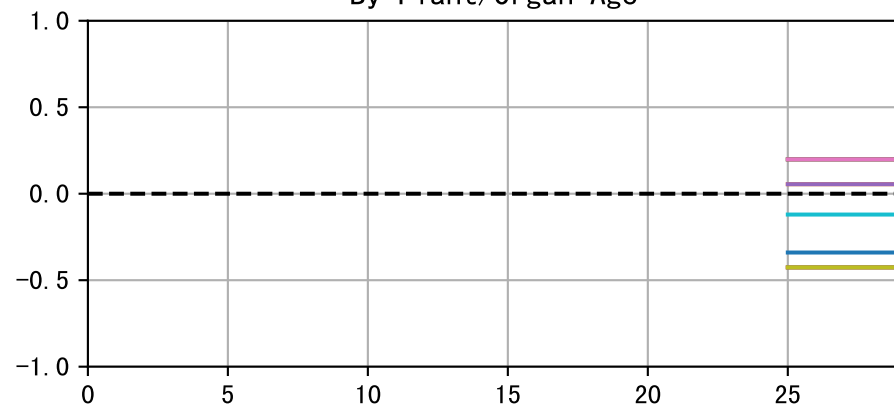
a (Def=0.42 Set=0.37)
avg1=0.37 $\sim$ 2% avg2=0.37 $\sim$ 8%
P3-6 LfN



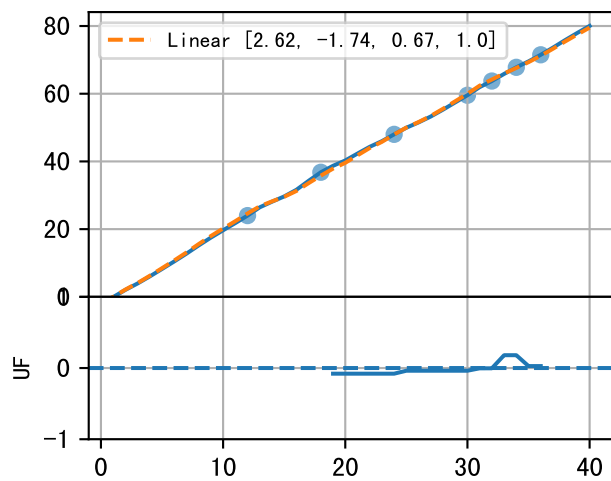
By Start Date



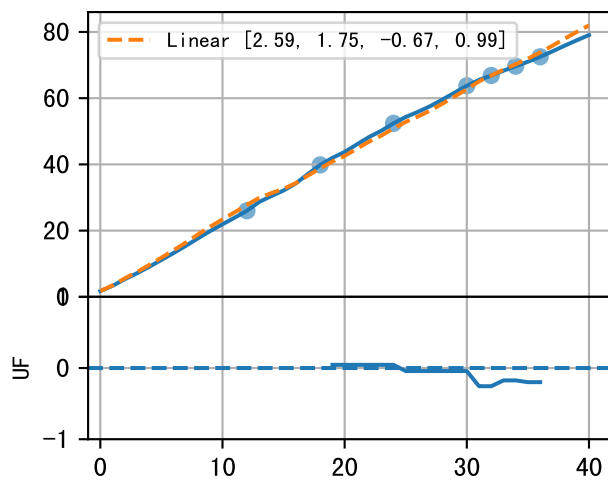
By Plant/Organ Age



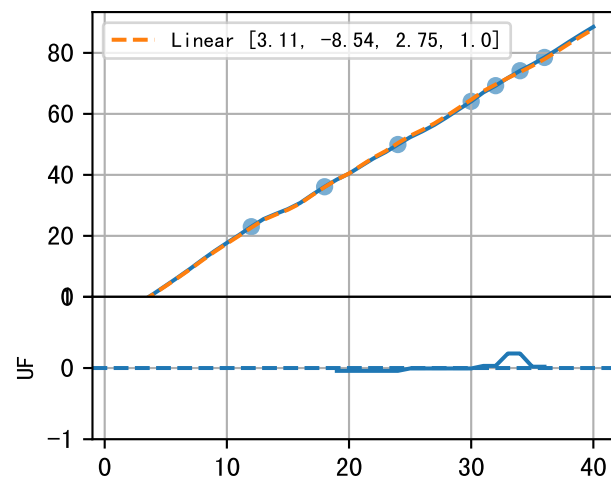
P3-6-003-24



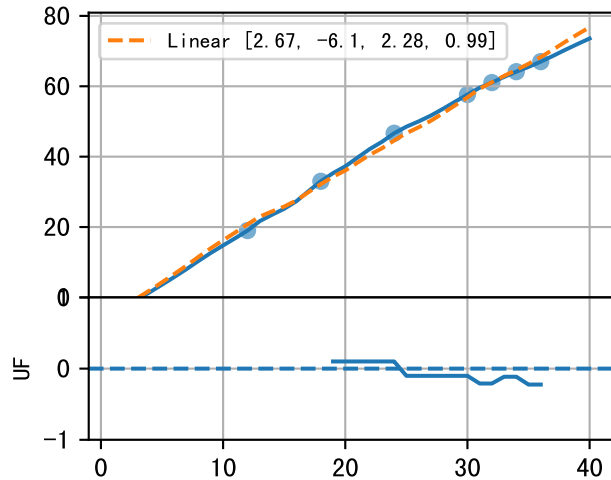
P3-6-007-11



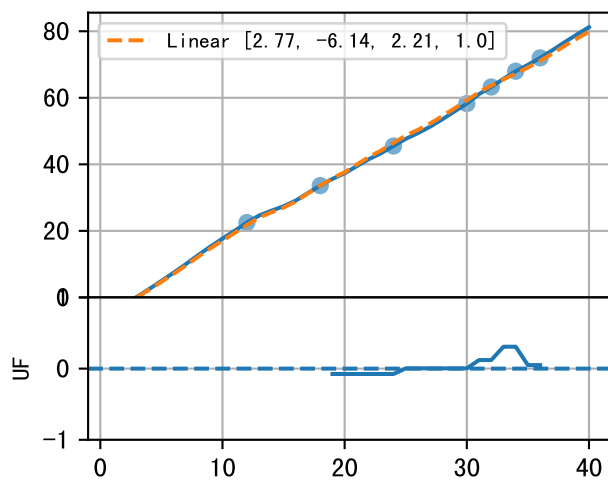
P3-6-011-7



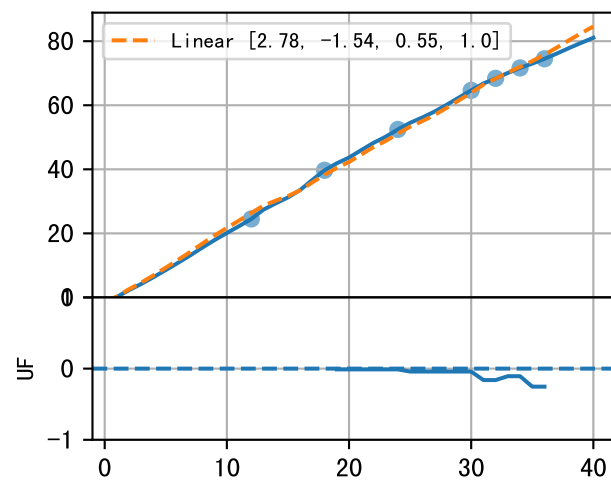
P3-6-015-30



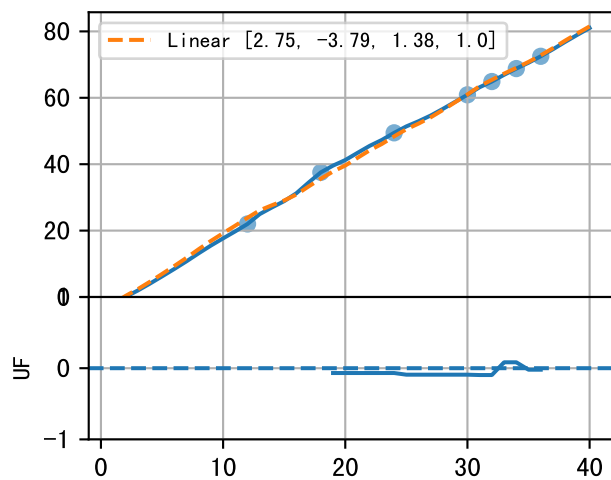
P3-6-019-12



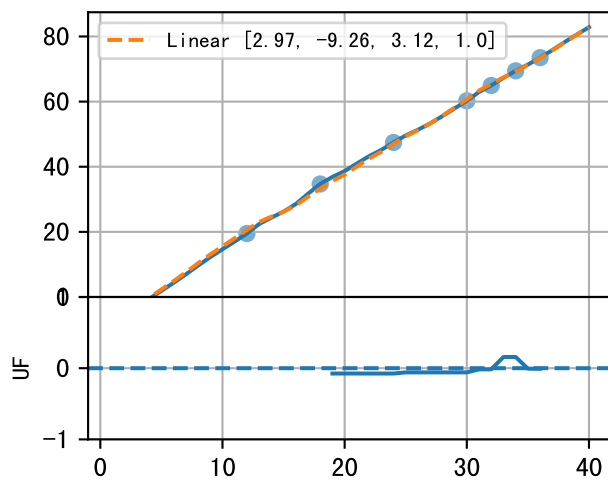
P3-6-024-25



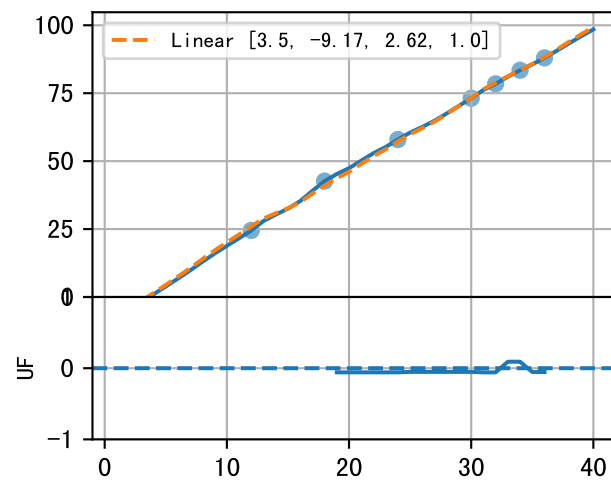
P3-6-028-32



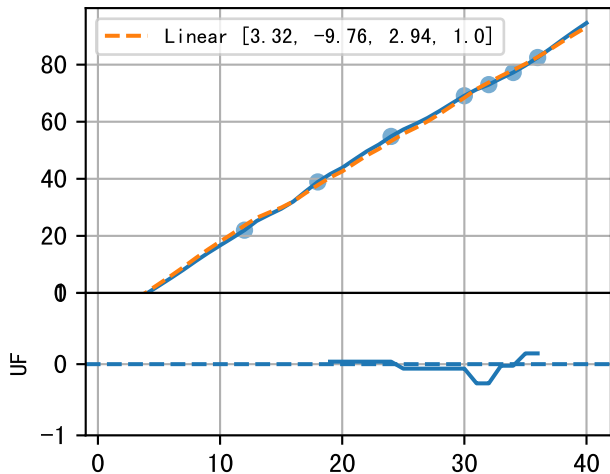
P3-6-033-9



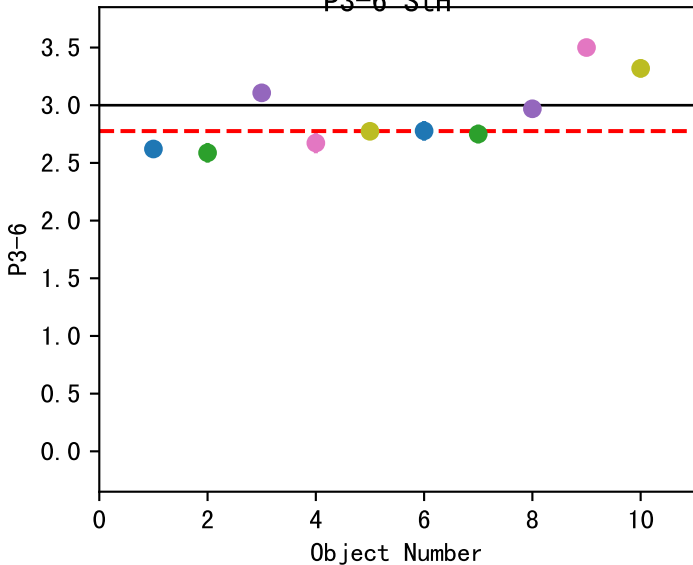
P3-6-038-21



P3-6-042-4

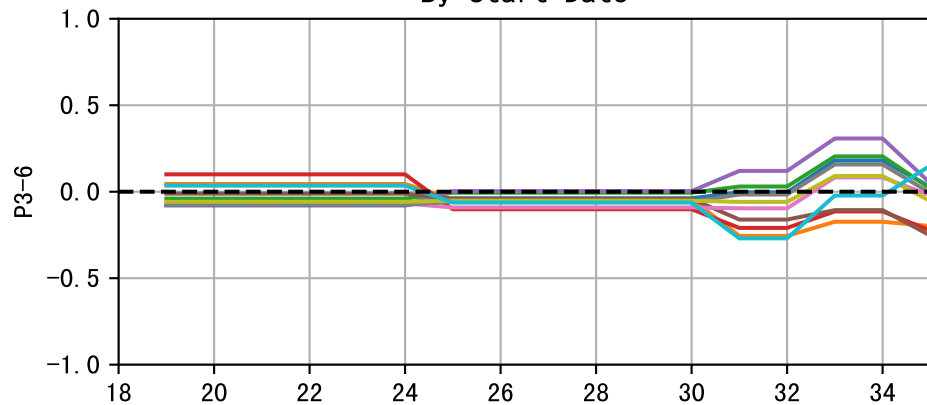


a (Def=3 Set=2.78)
avg1=2.78~11% avg2=na
P3-6 StH

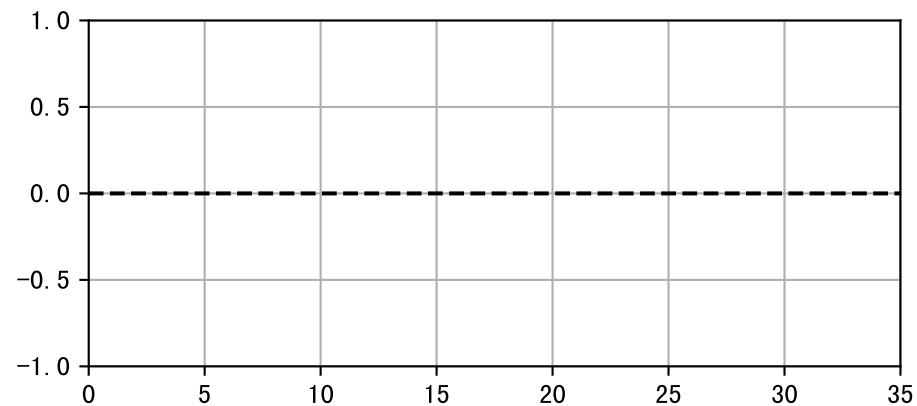
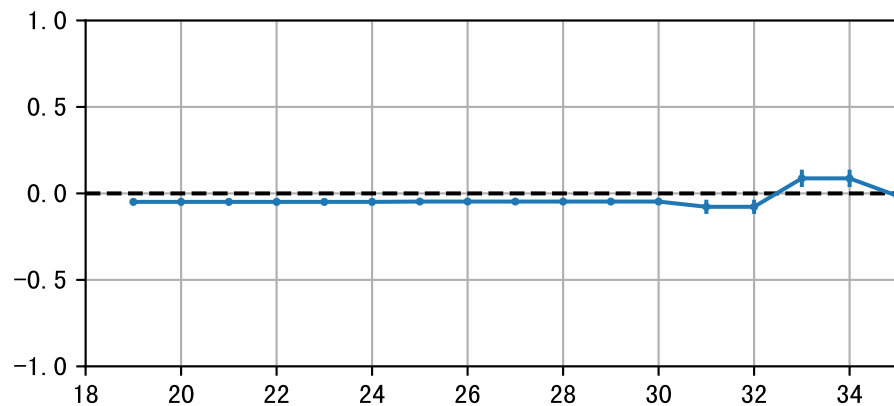
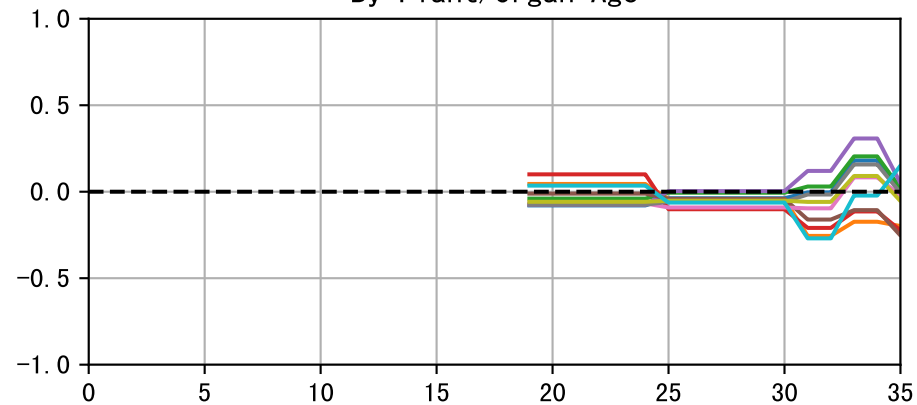


StH

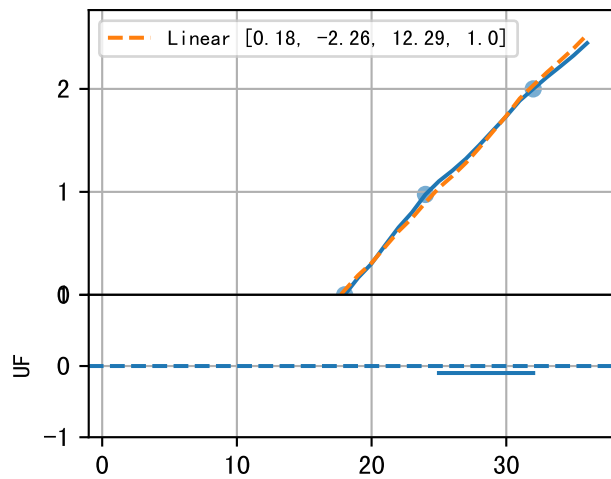
By Start Date



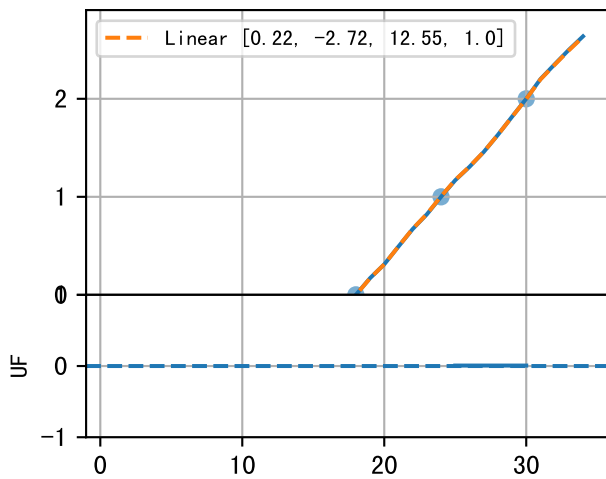
By Plant/Organ Age



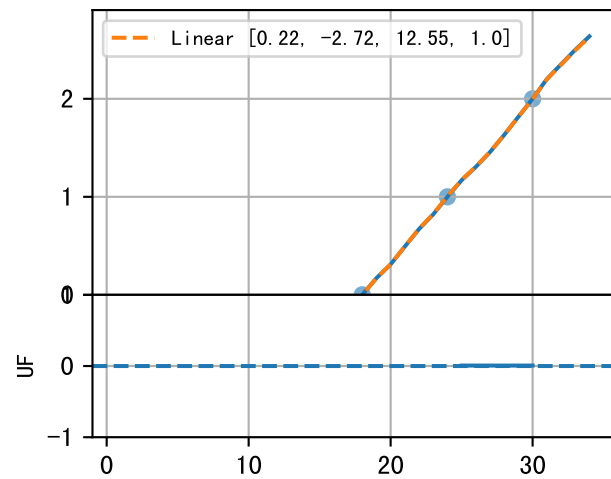
P3-6-003-24



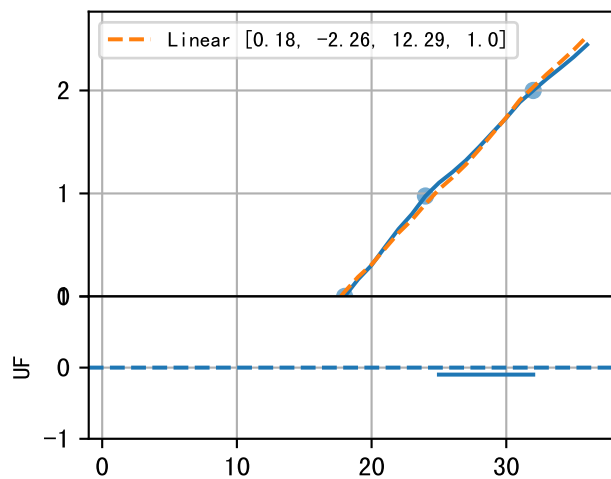
P3-6-007-11



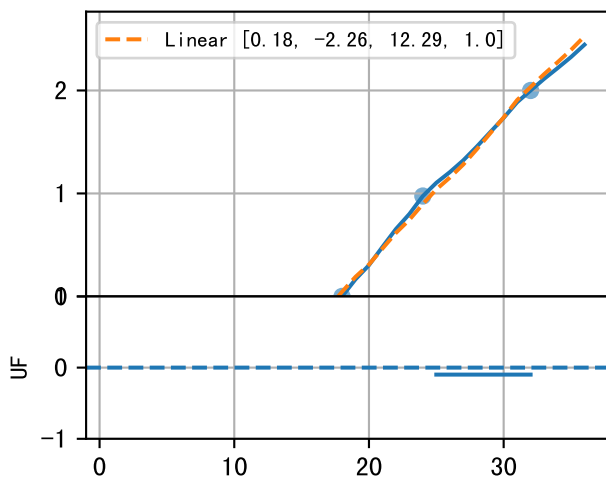
P3-6-011-7



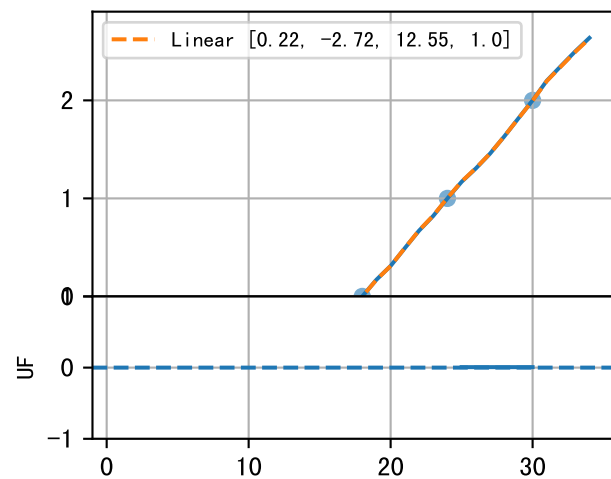
P3-6-015-30



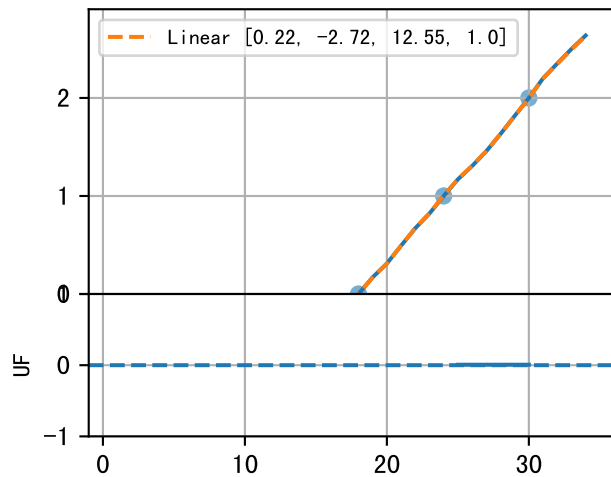
P3-6-019-12



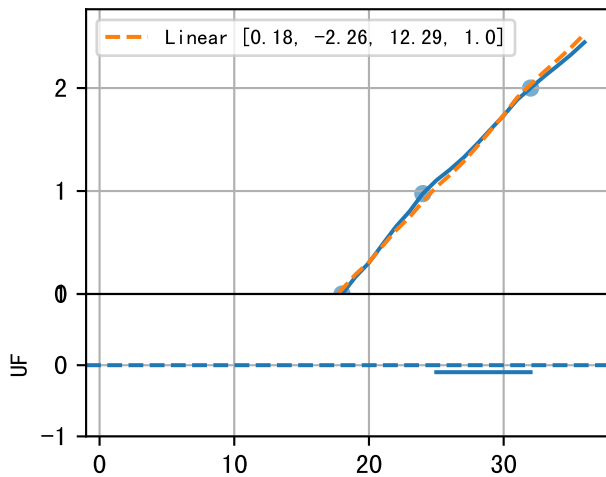
P3-6-024-25



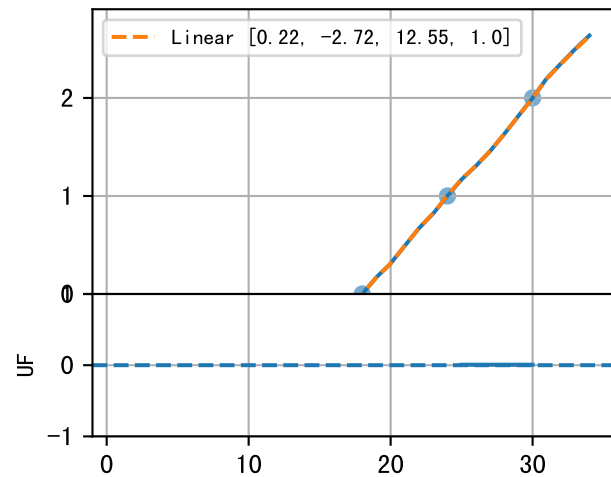
P3-6-028-32



P3-6-033-9

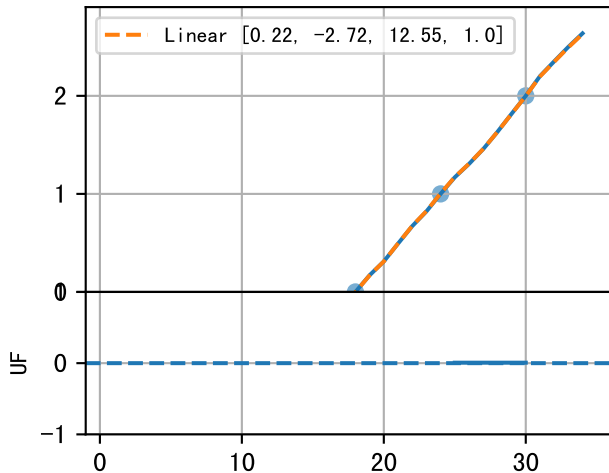


P3-6-038-21



P3-6-042-4

TsN



P3-6avg
T_{SN}

Linear [0.17, -1.84, 11.07, 0.99]

UF

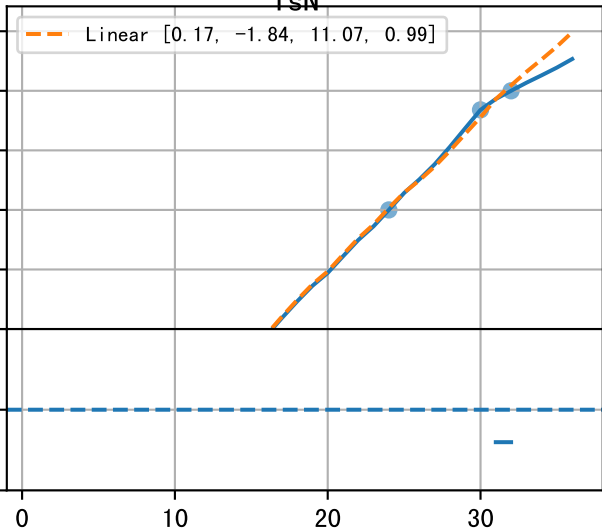
2.5
2.0
1.5
1.0
0.5
0.0
-1

0

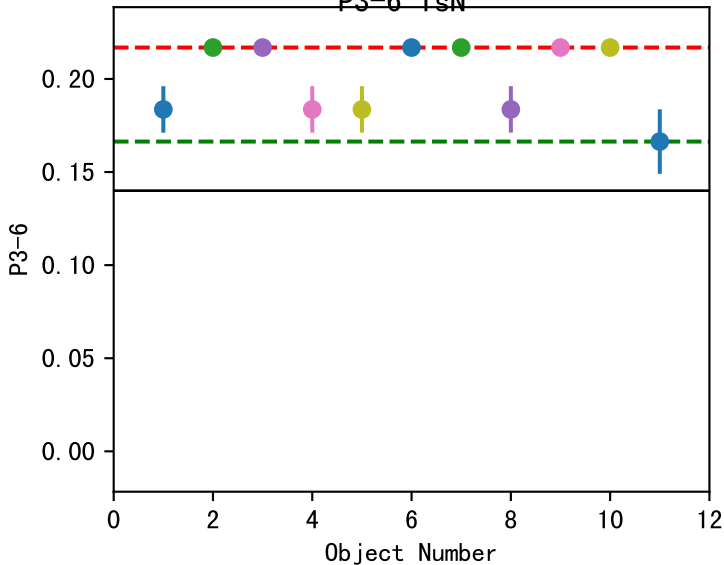
10

20

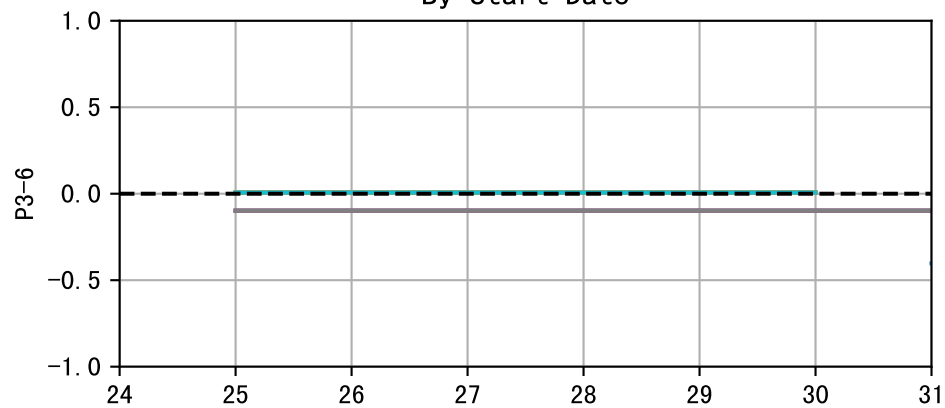
30



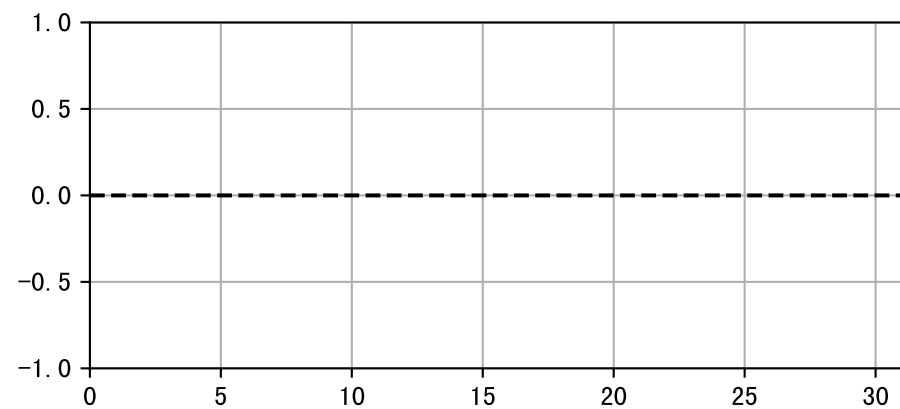
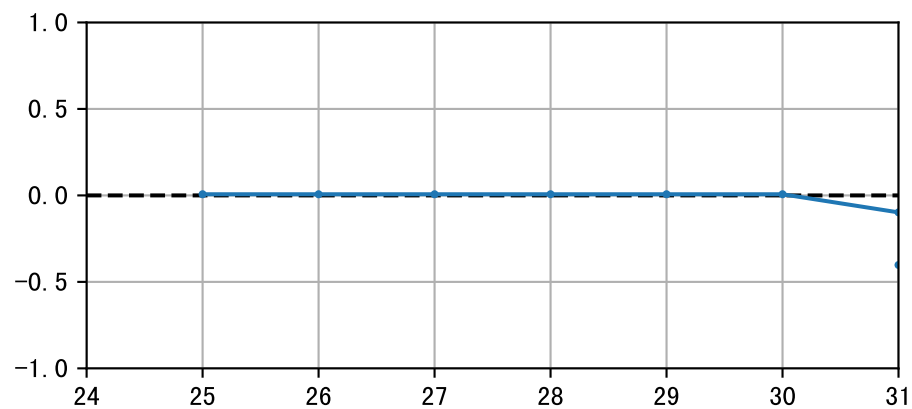
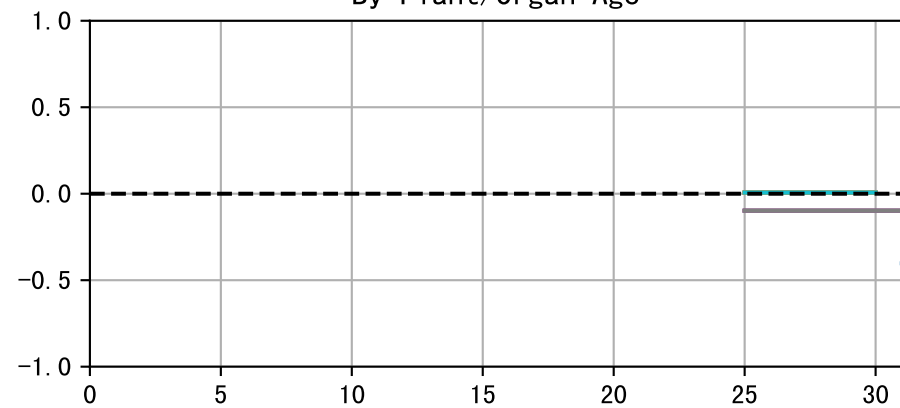
a (Def=0.14 Set=0.17)
avg1=0.22 $\sim$ 8% avg2=0.17 $\sim$ 29%
P3-6 TSN



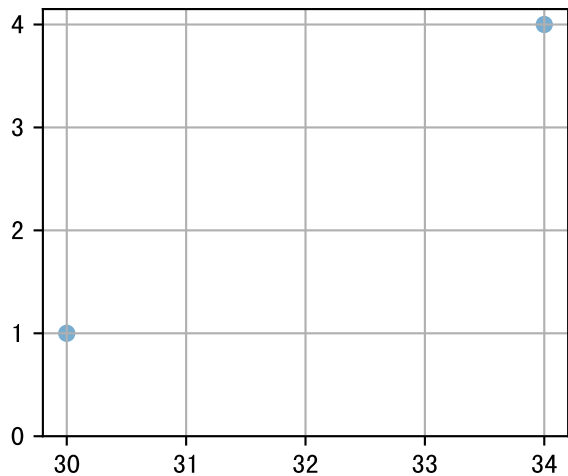
By Start Date



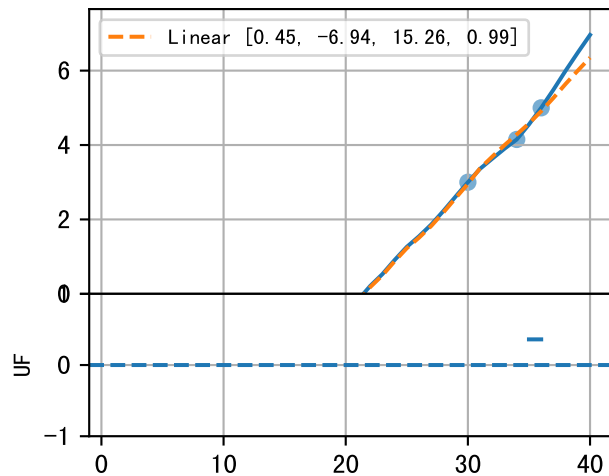
By Plant/Organ Age



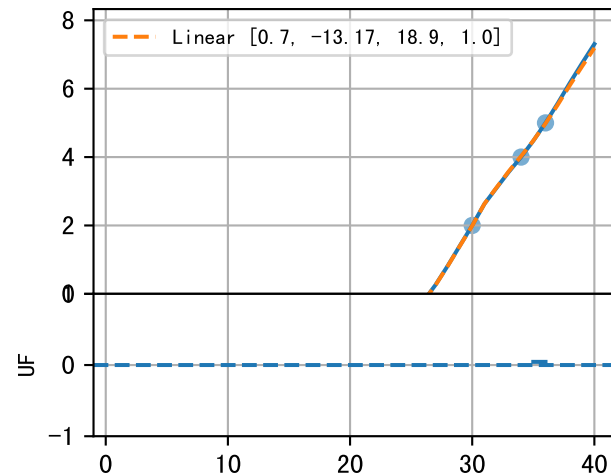
P3-6-003-24T1 (fit failed)



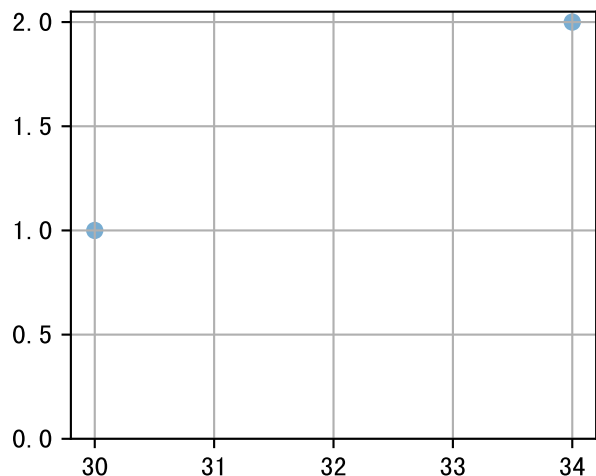
P3-6-011-7T1



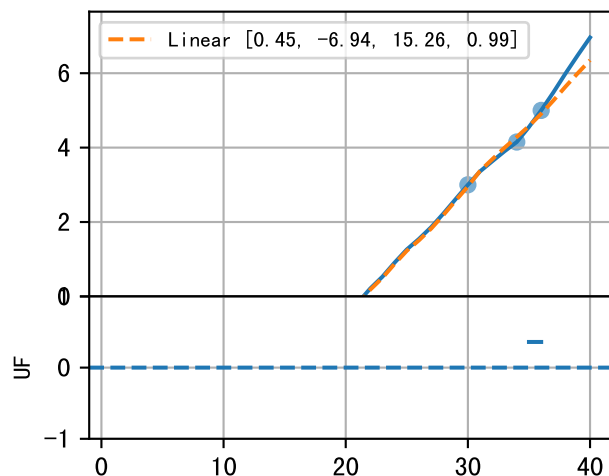
P3-6-015-30T1



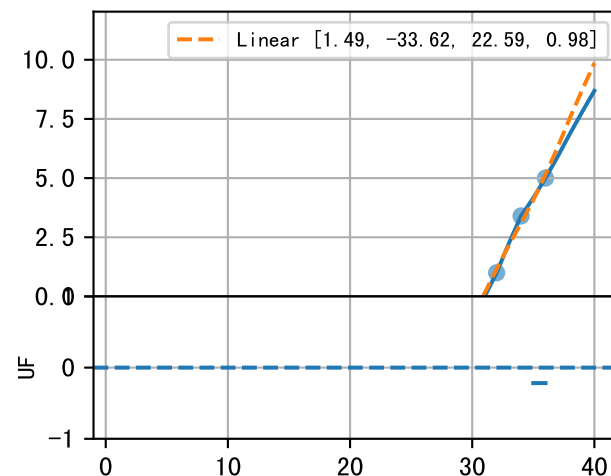
P3-6-019-12T1 (fit failed)



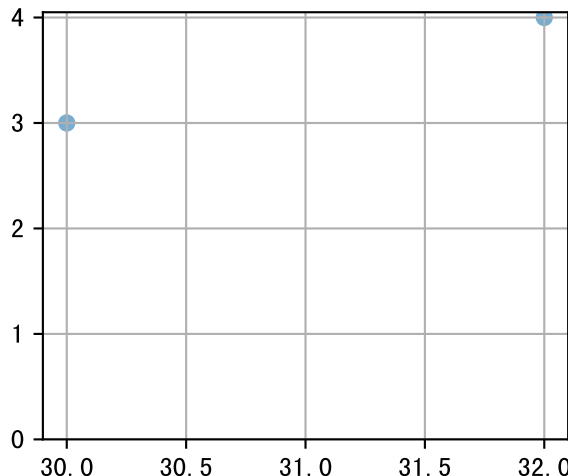
P3-6-024-25T1



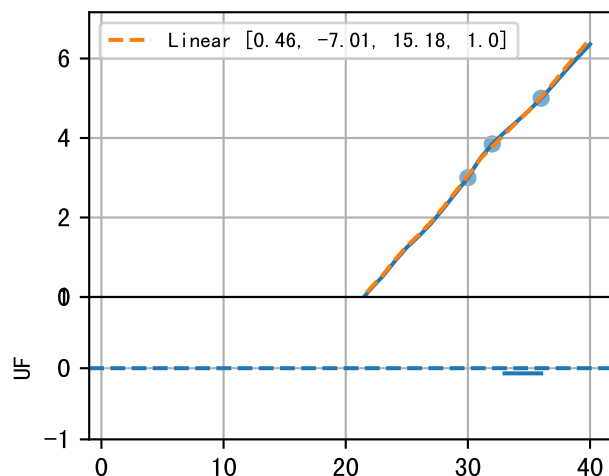
P3-6-028-32T1



P3-6-038-21T1 (fit failed)



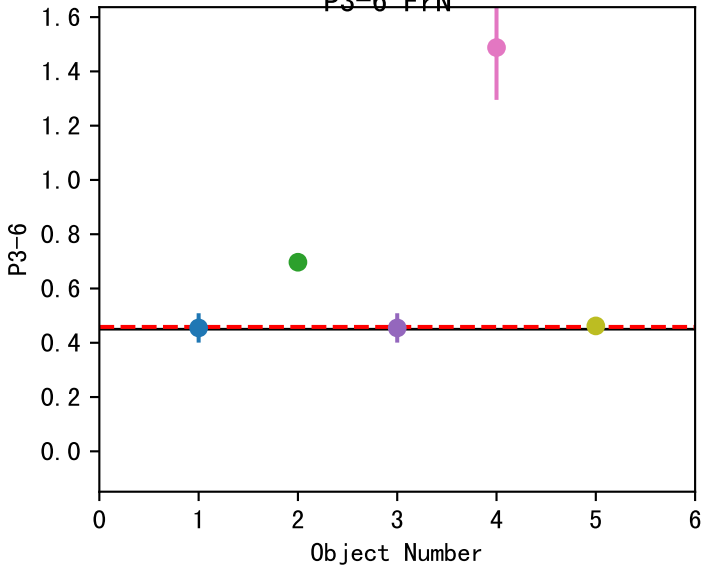
P3-6-042-4T1



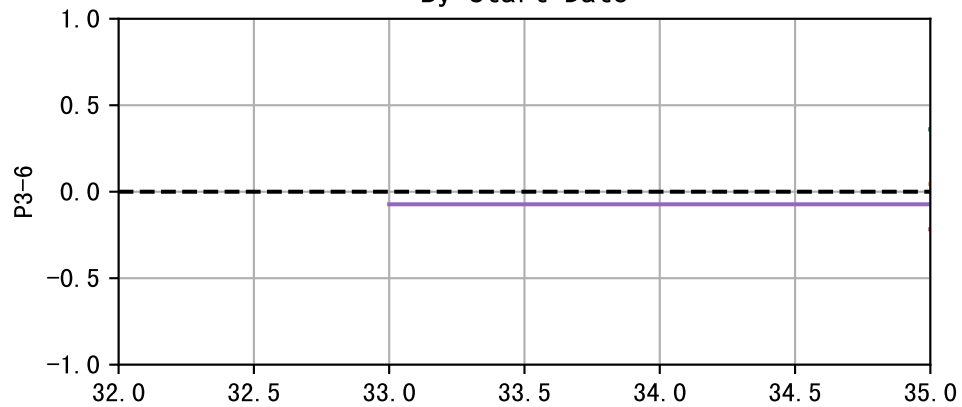
a (Def=0.45 Set=0.46)

avg1=0.46~26% avg2=na

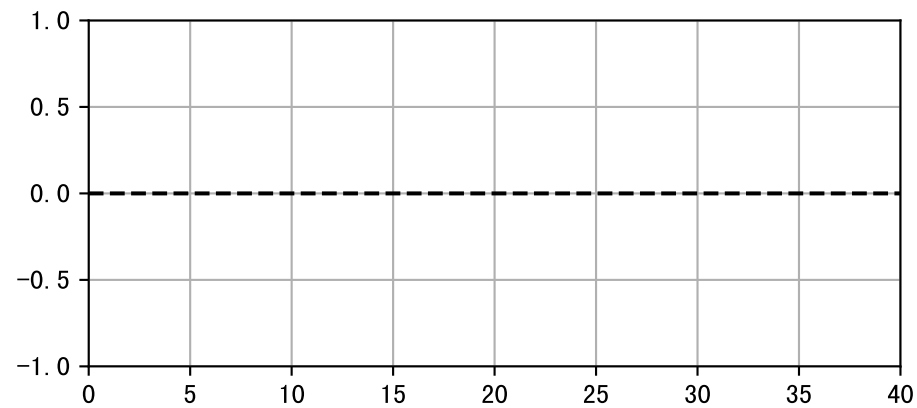
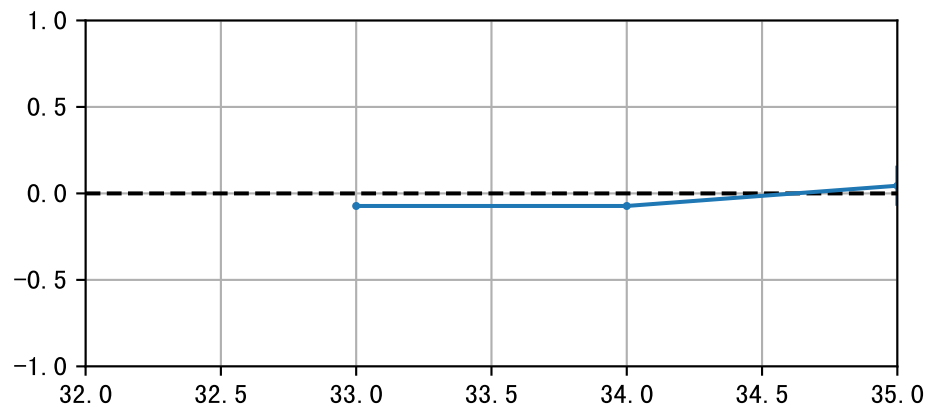
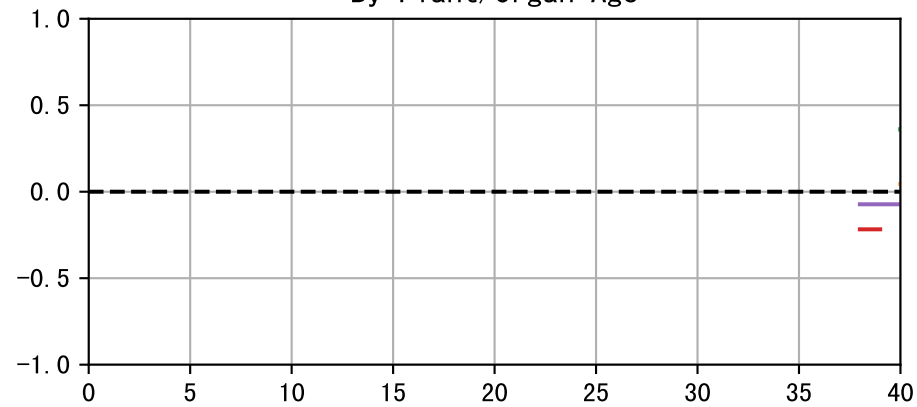
P3-6 FrN



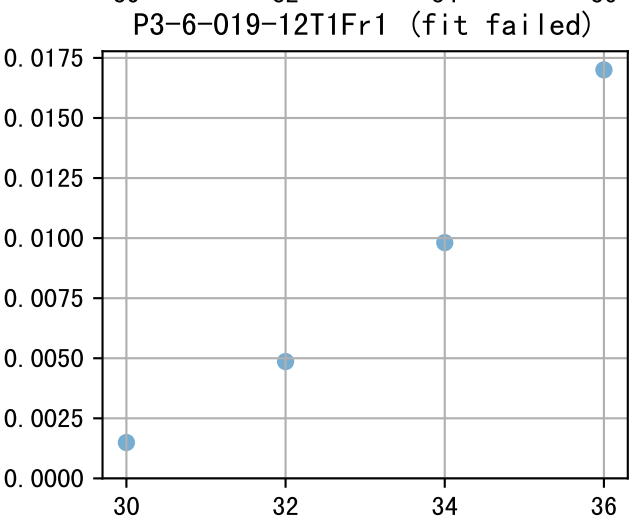
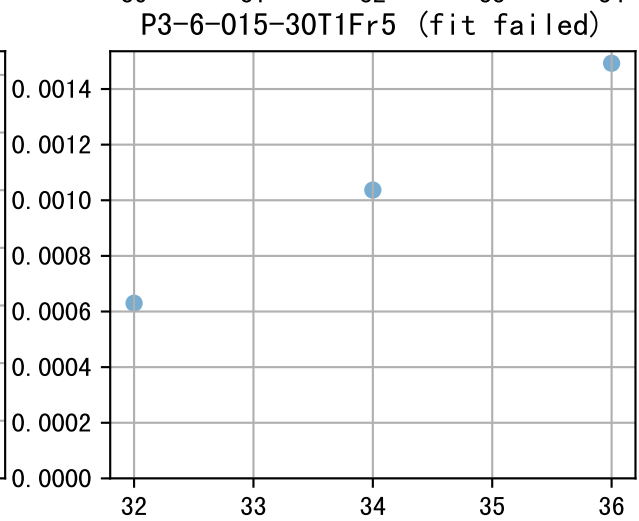
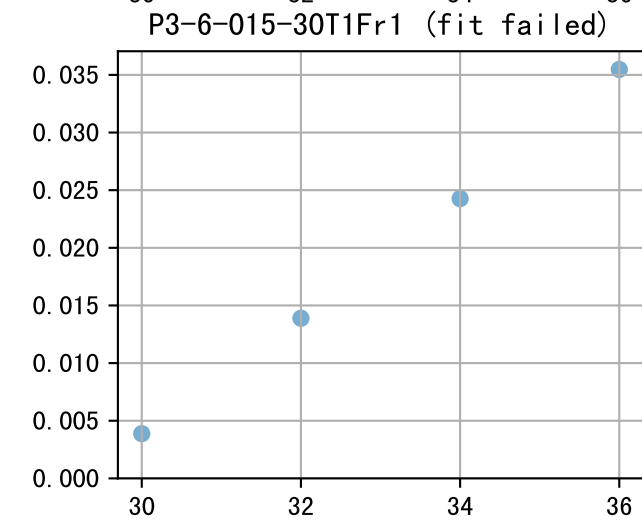
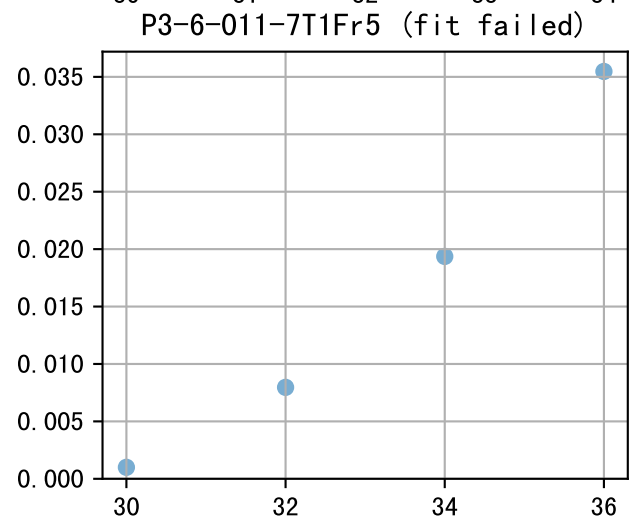
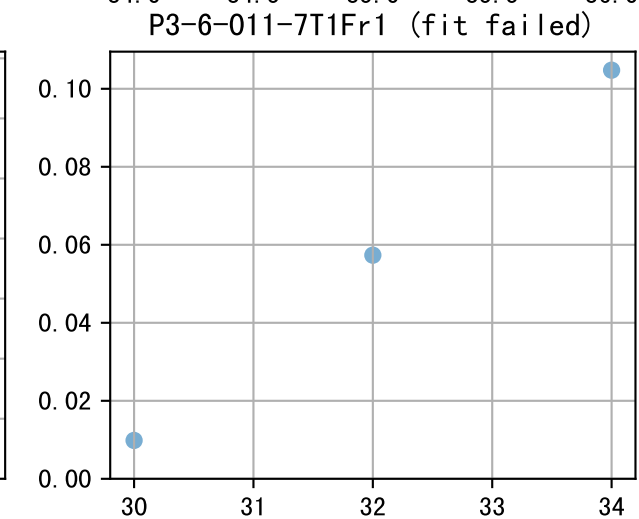
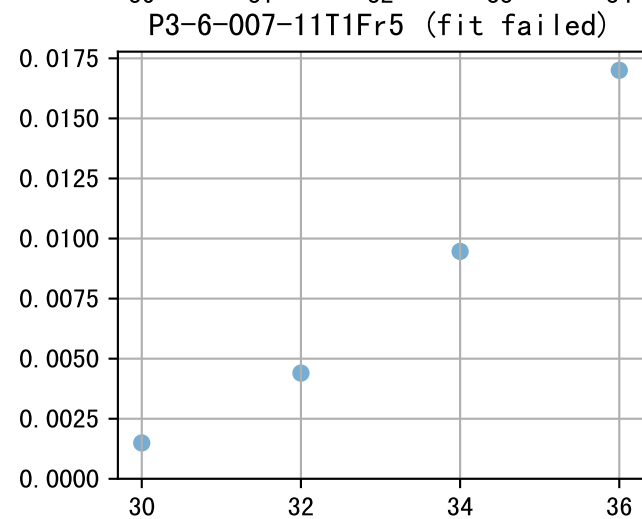
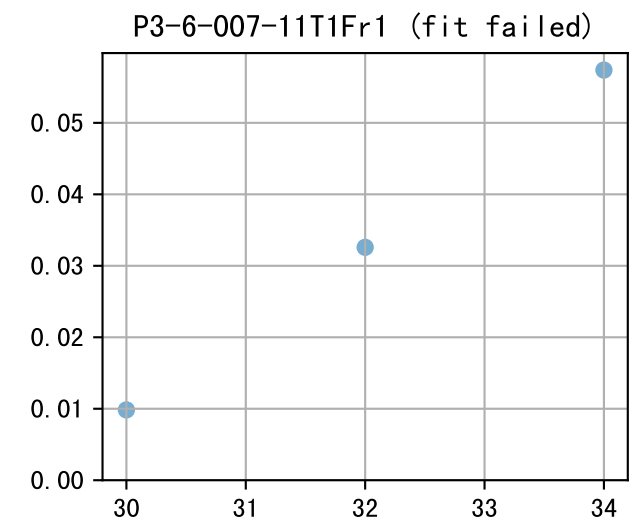
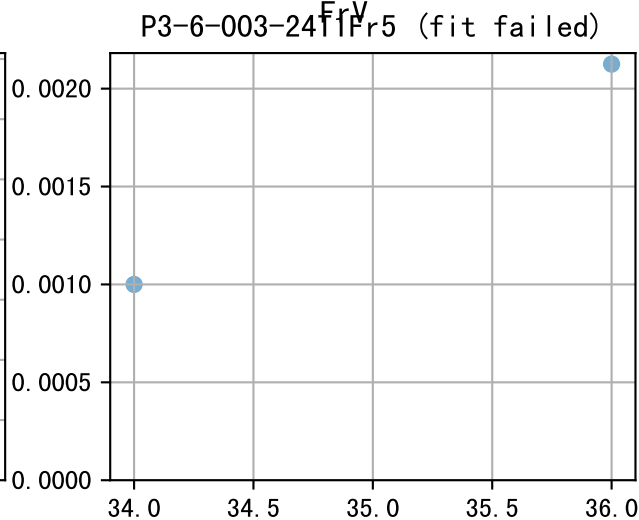
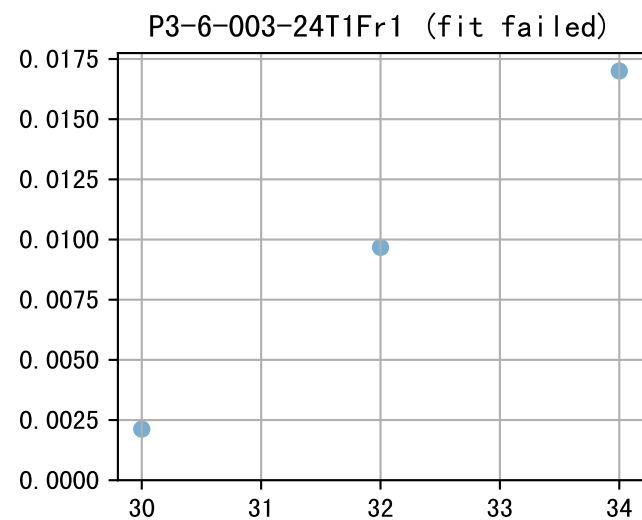
By Start Date



By Plant/Organ Age

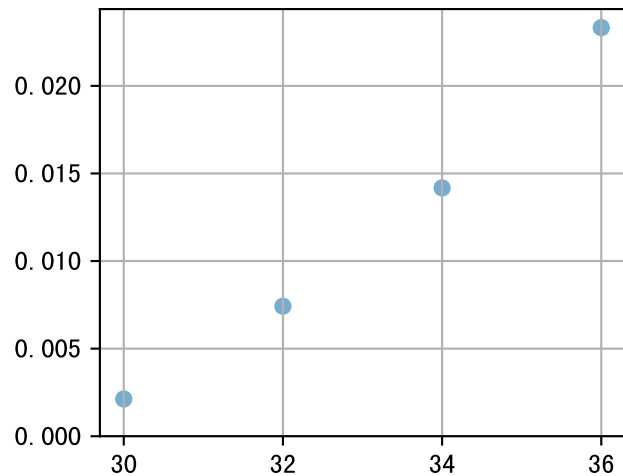


FrV

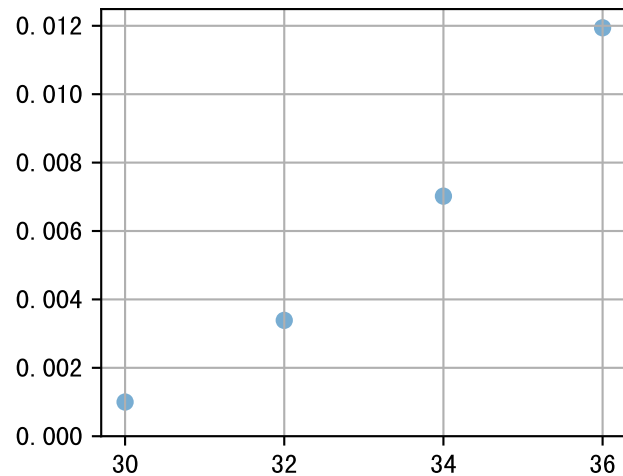


FrV

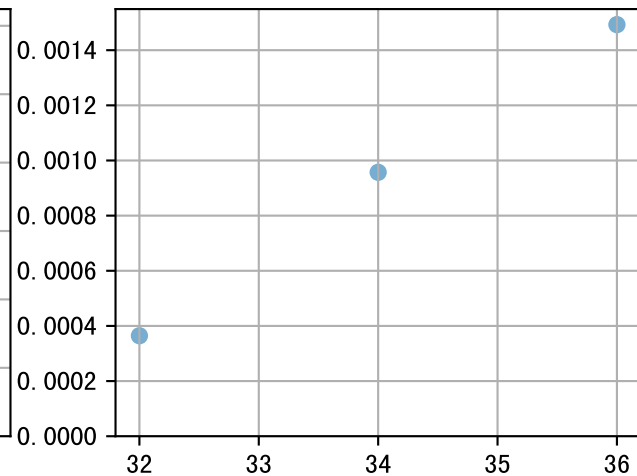
P3-6-024-25T1Fr1 (fit failed)



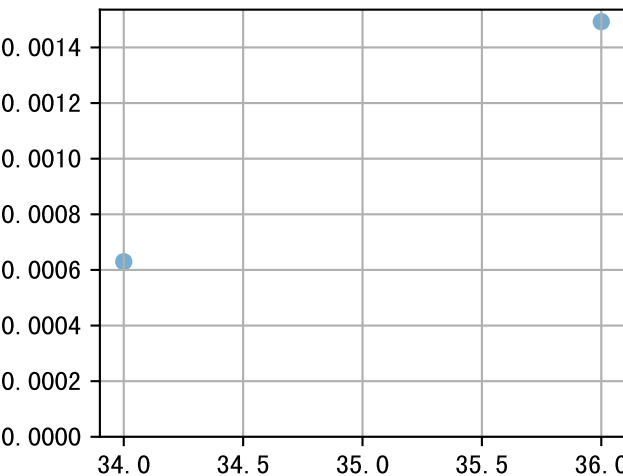
P3-6-024-25T1Fr5 (fit failed)



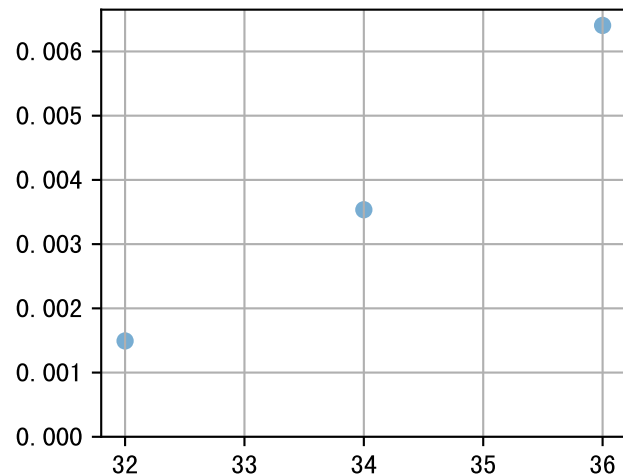
P3-6-028-32T1Fr1 (fit failed)



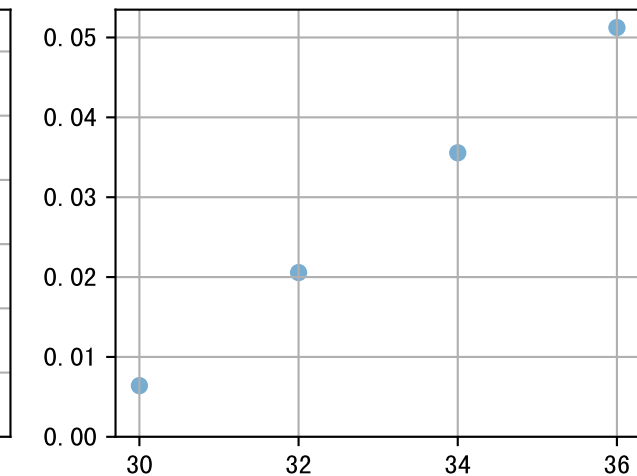
P3-6-028-32T1Fr5 (fit failed)



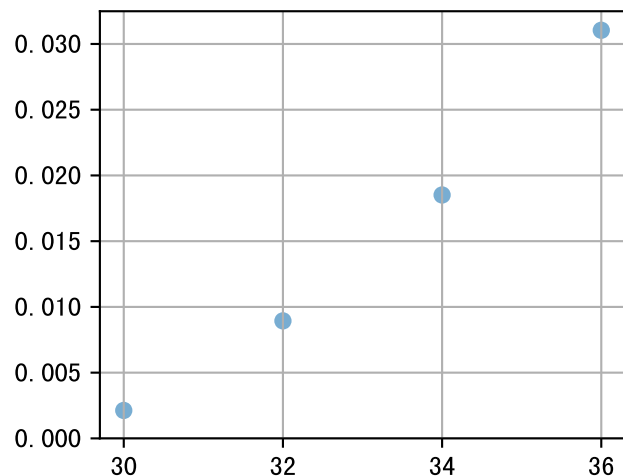
P3-6-033-9T1Fr1 (fit failed)



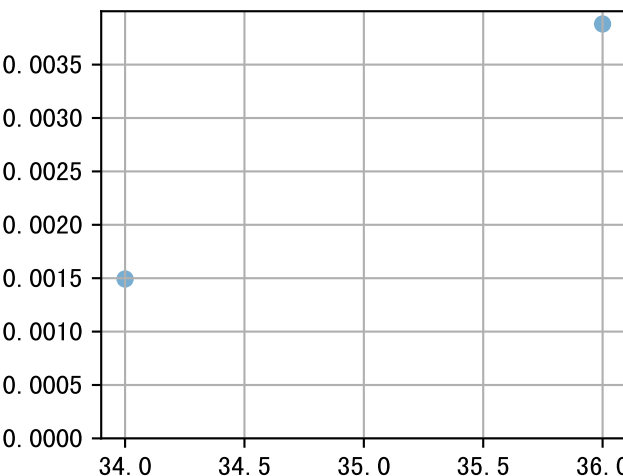
P3-6-038-21T1Fr1 (fit failed)



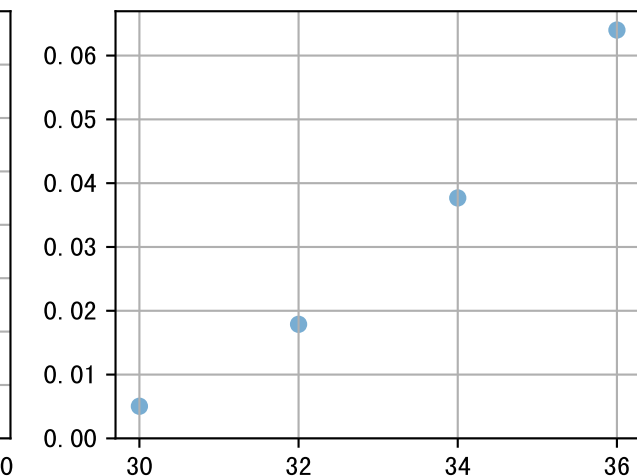
P3-6-038-21T1Fr5 (fit failed)



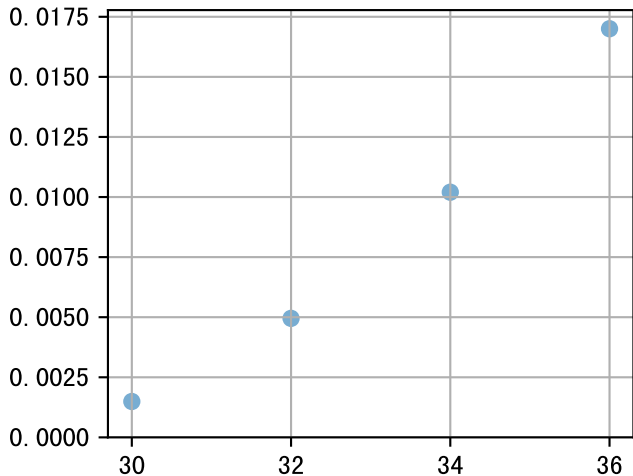
P3-6-038-21T2Fr1 (fit failed)



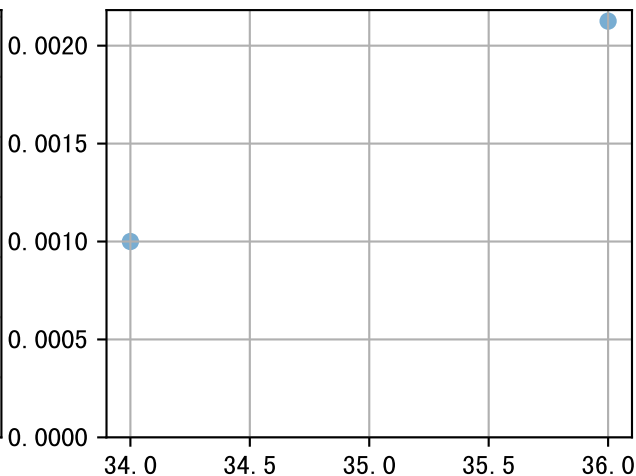
P3-6-042-4T1Fr1 (fit failed)



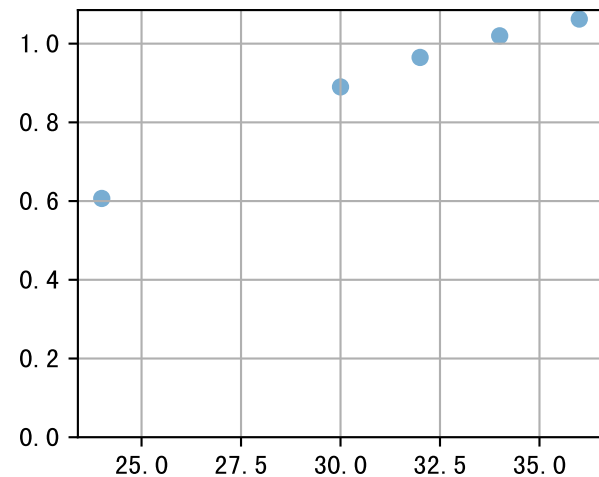
P3-6-042-4T1Fr5 (fit failed)



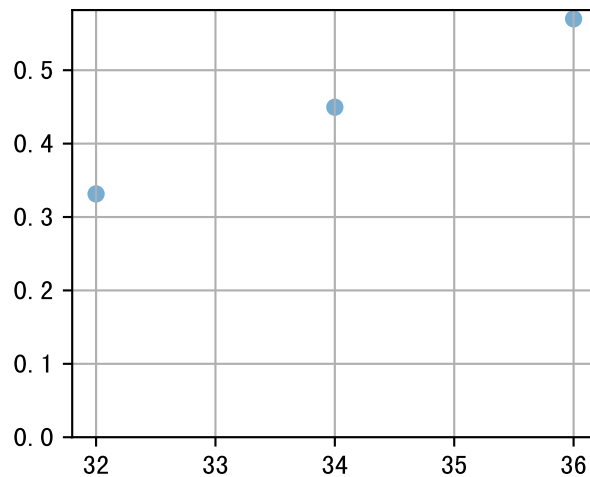
P3-6-042-4T2Fr1 (fit failed)



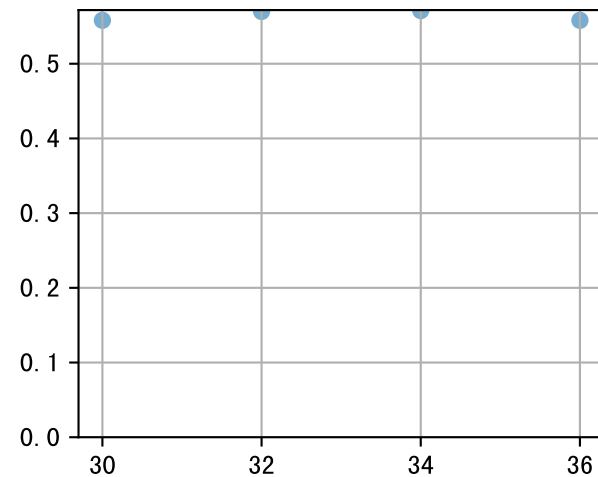
P3-6-003-24L6 (fit failed)



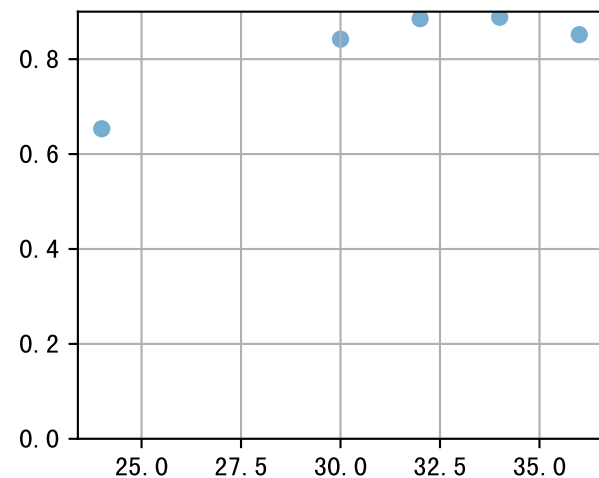
P3-6-003-24L9 (fit failed)



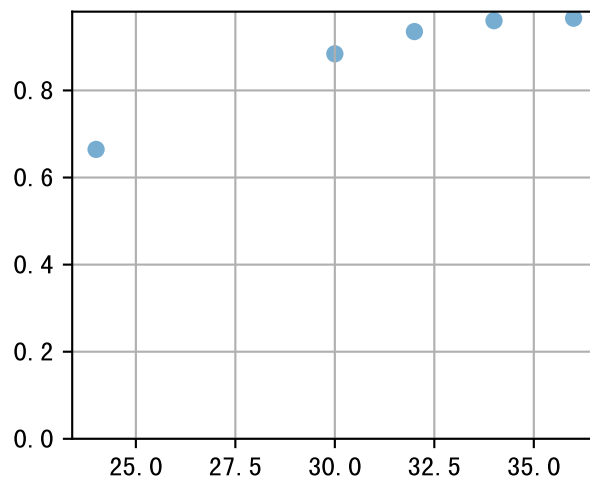
P3-6-007-11L10 (fit failed)



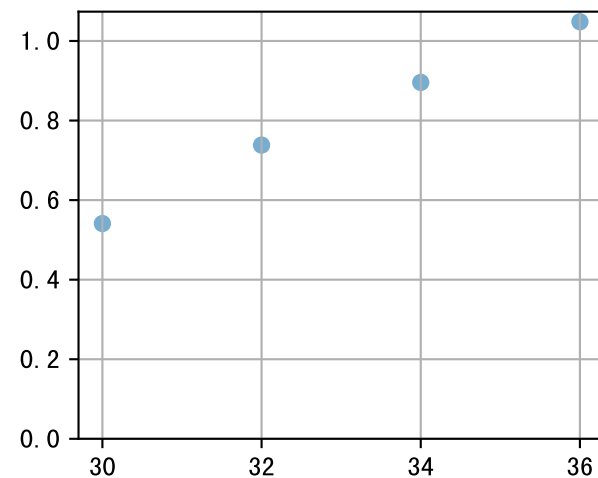
P3-6-007-11L7 (fit failed)



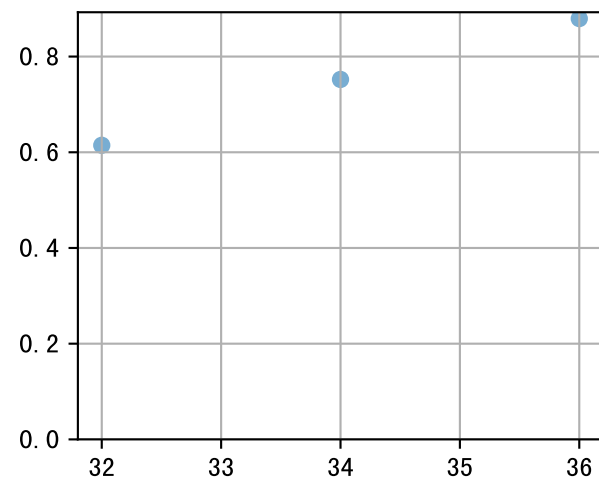
P3-6-011-7L6 (fit failed)



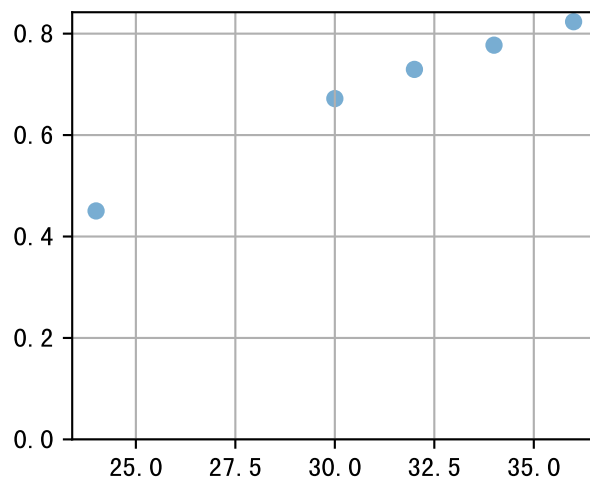
P3-6-011-7L9 (fit failed)



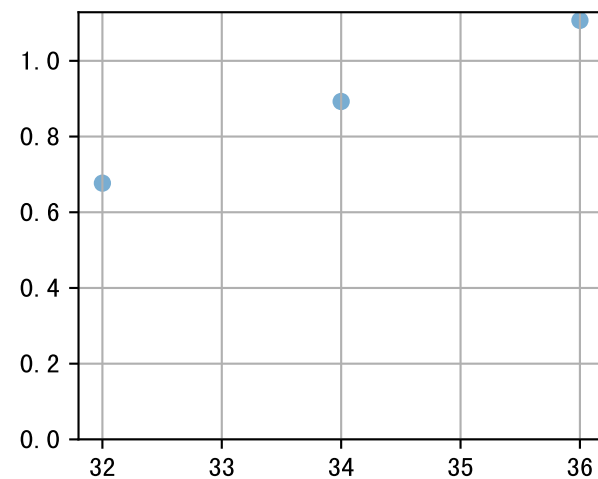
P3-6-015-30L10 (fit failed)



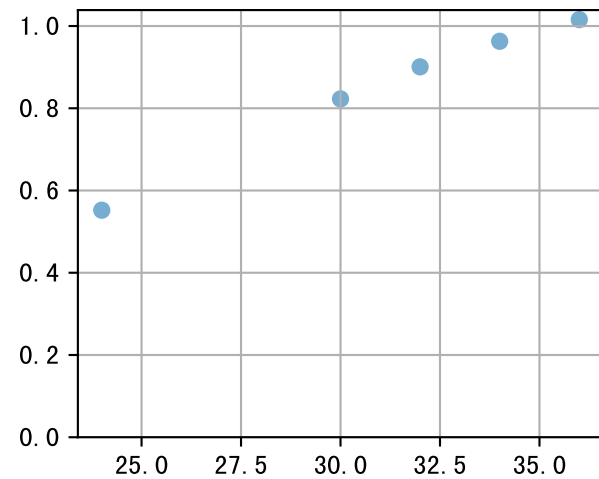
P3-6-015-30L6 (fit failed)



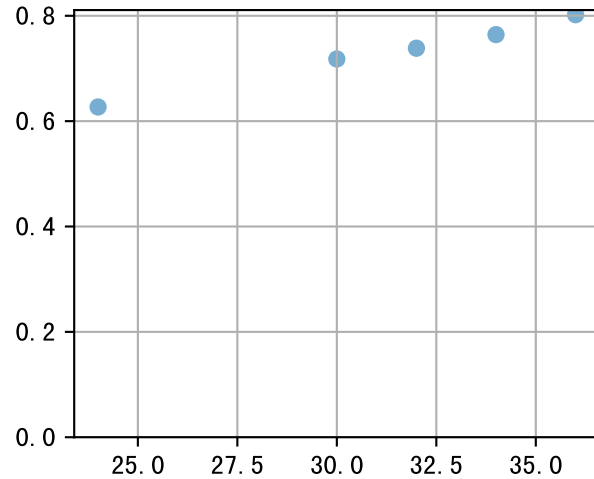
P3-6-019-12L10 (fit failed)



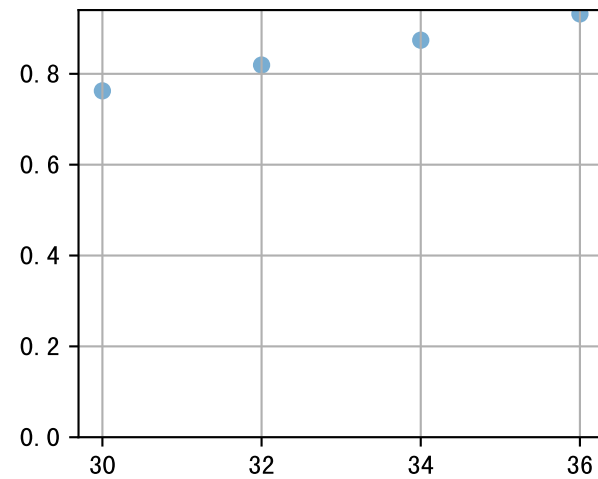
P3-6-019-12L7 (fit failed)



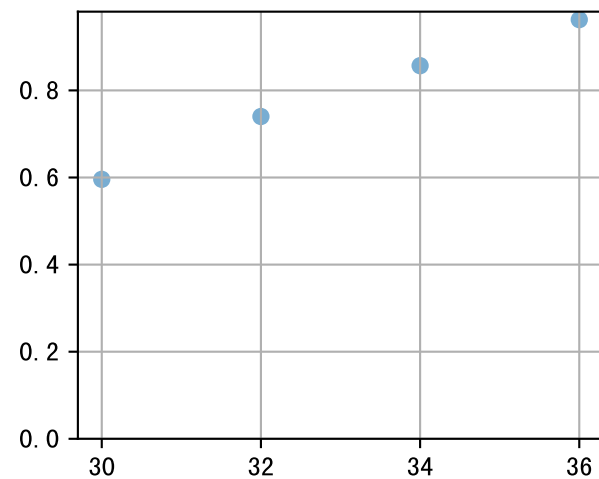
P3-6-024-25L6 (fit failed)



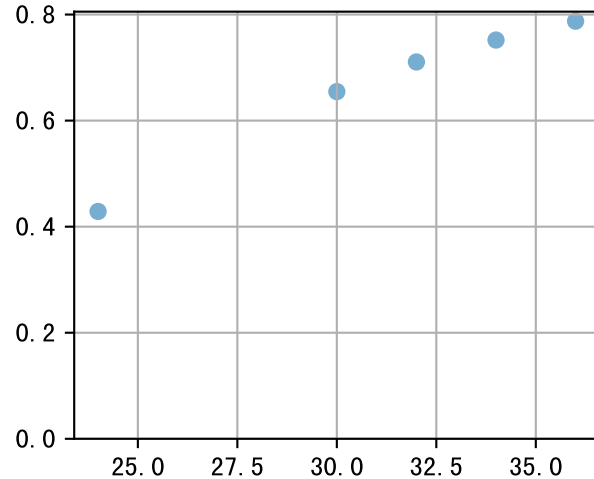
P3-6-024-25L9 (fit failed)



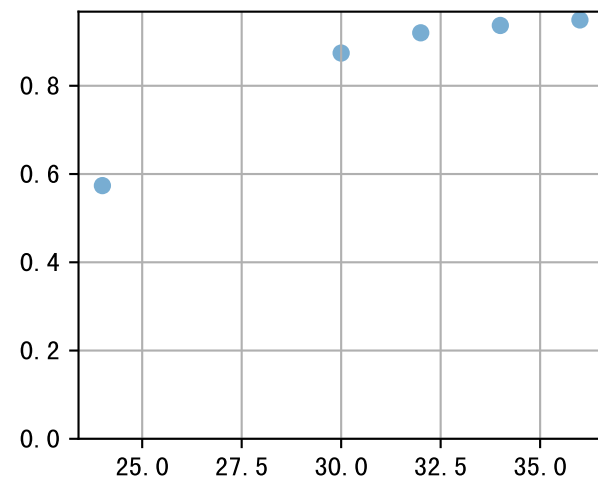
P3-6-028-32L10 (fit failed)



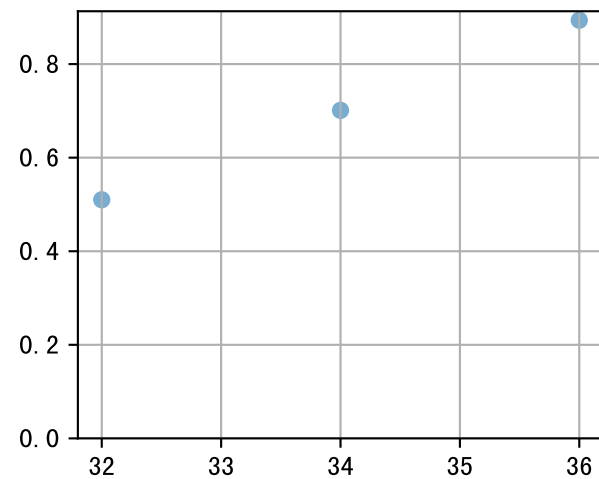
P3-6-028-32L7 (fit failed)



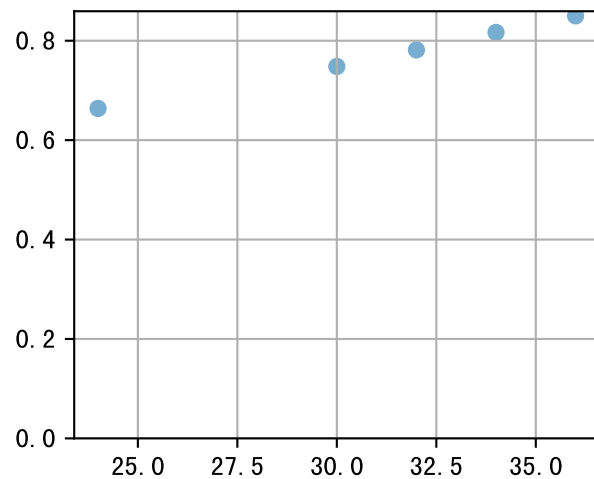
P3-6-033-9L6 (fit failed)



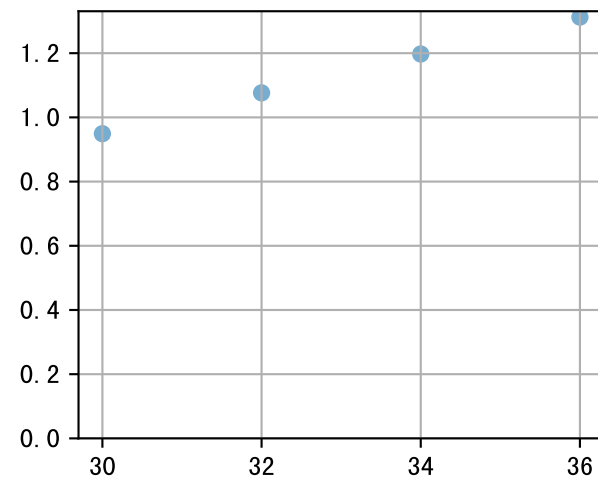
P3-6-033-9L9 (fit failed)



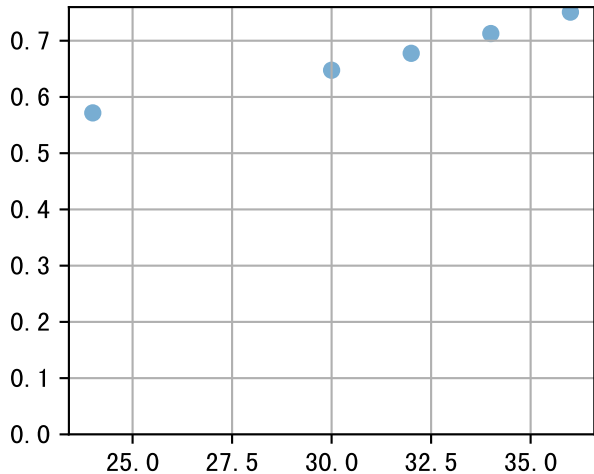
P3-6-038-21L6 (fit failed)



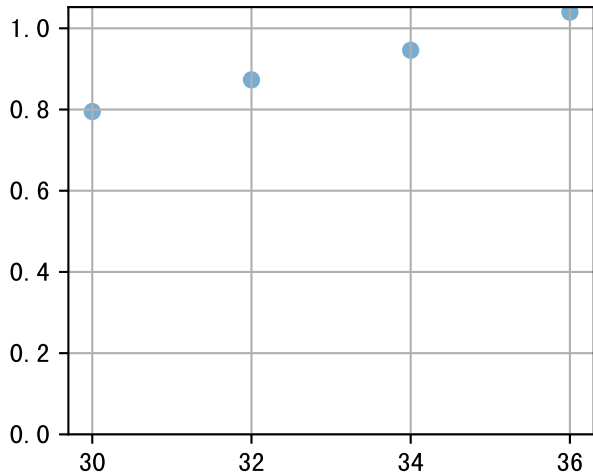
P3-6-038-21L9 (fit failed)

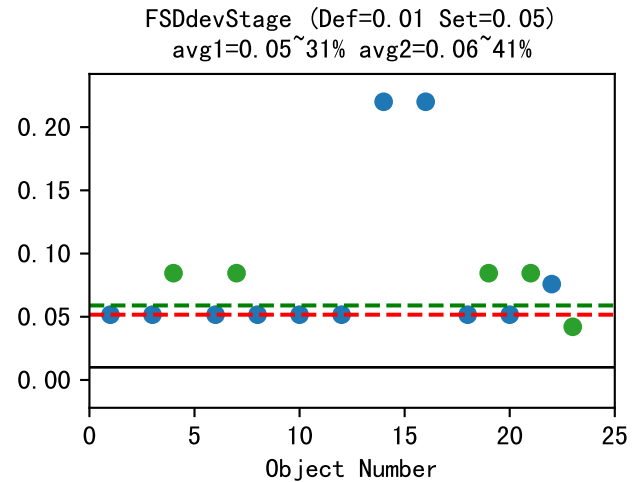
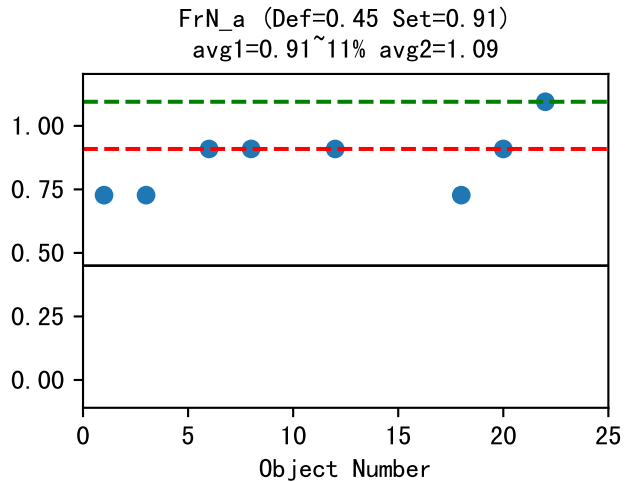
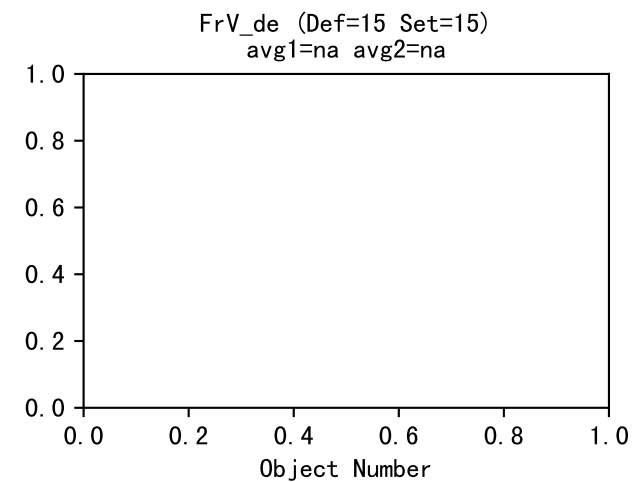
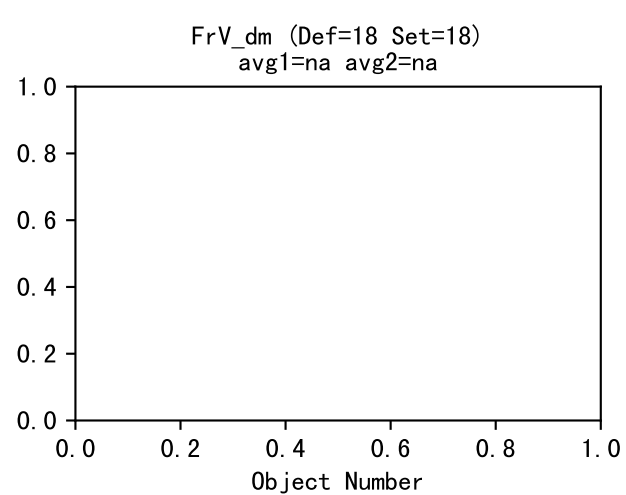
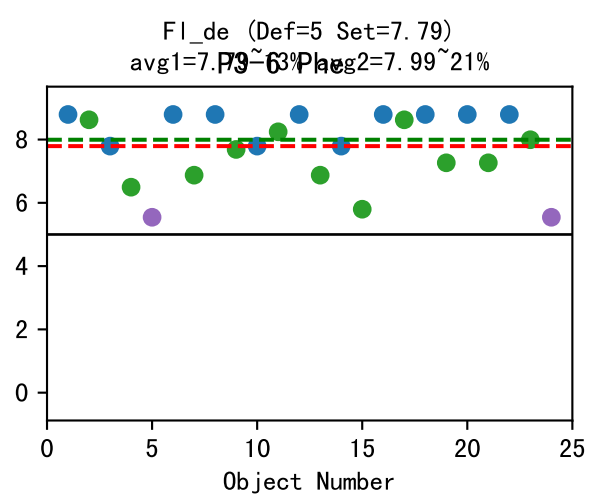
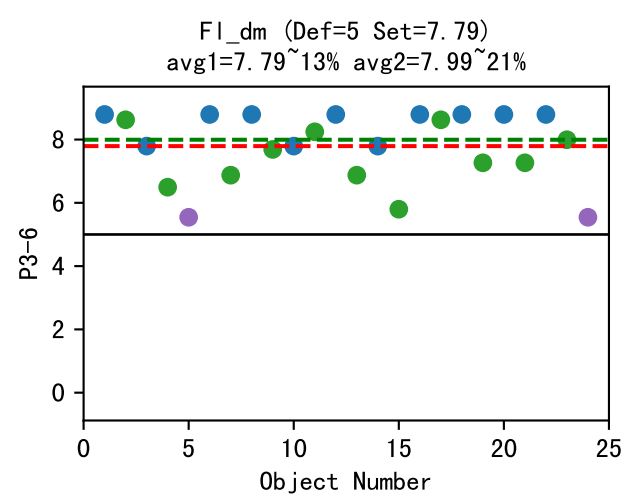


P3-6-042-4L6 (fit failed)

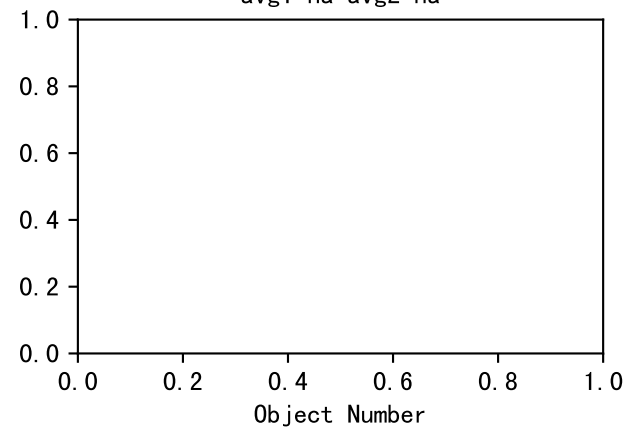


P3-6-042-4L9 (fit failed)

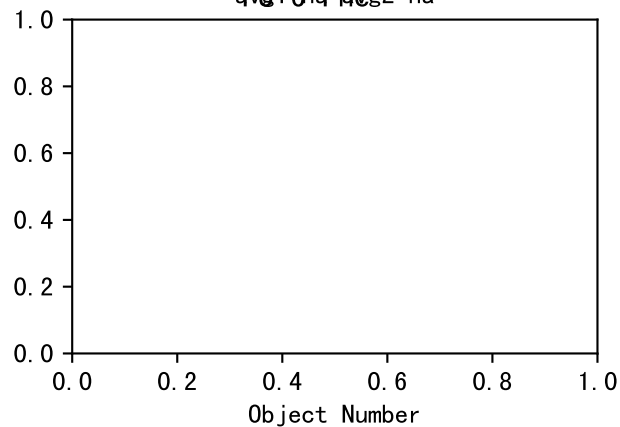




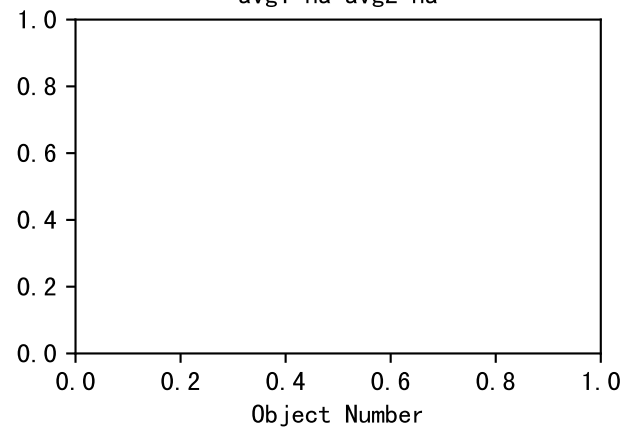
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



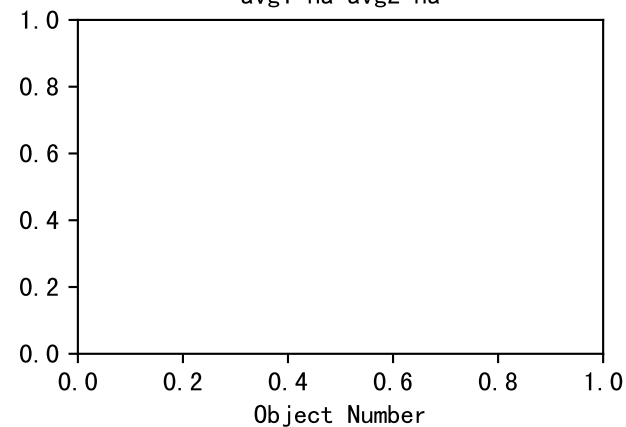
FMDDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



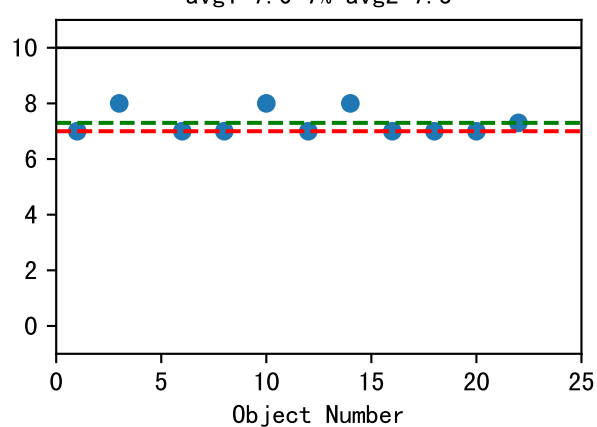
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

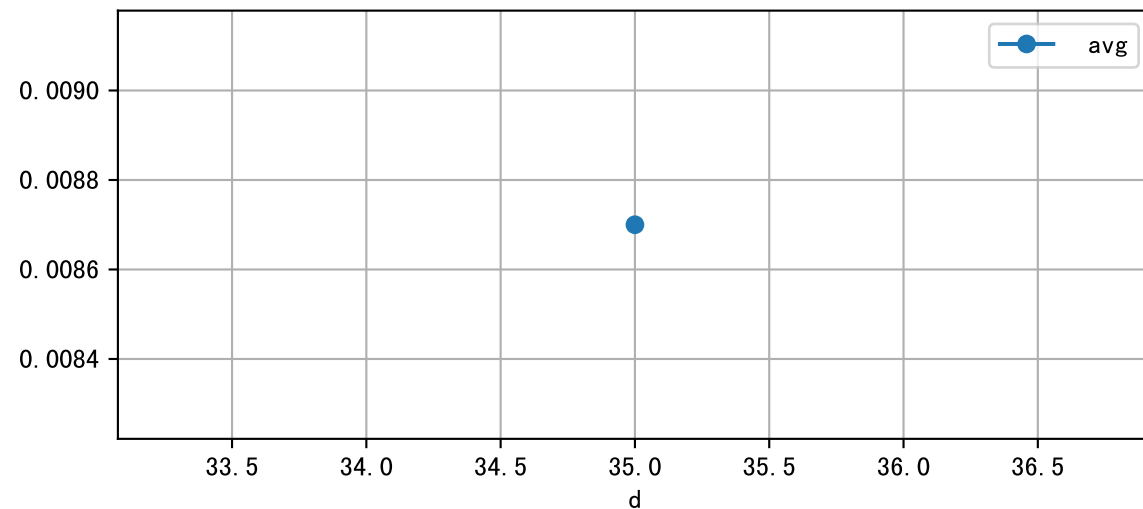


NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

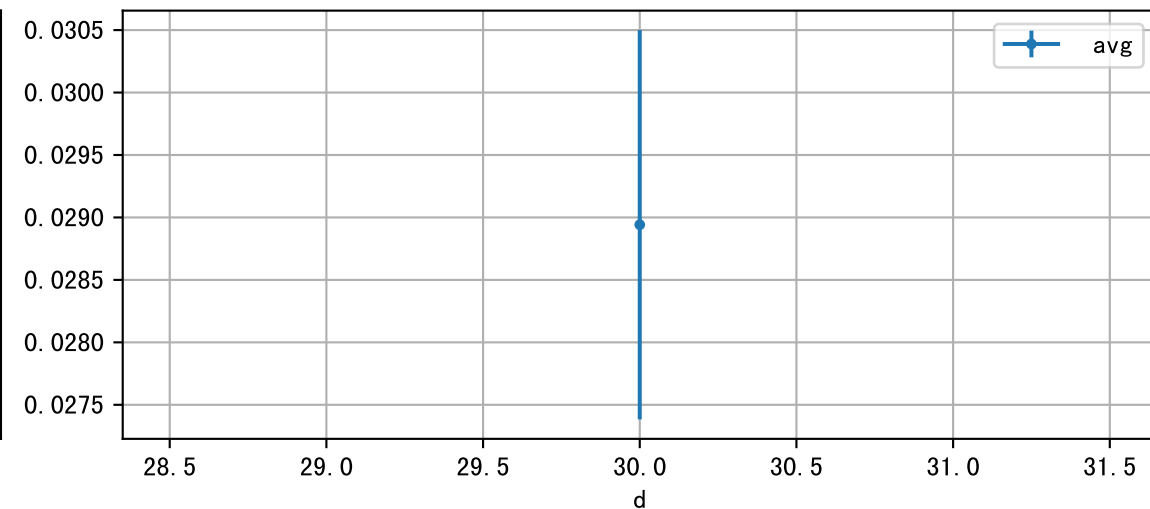


LfA: avg vs. d at each age group

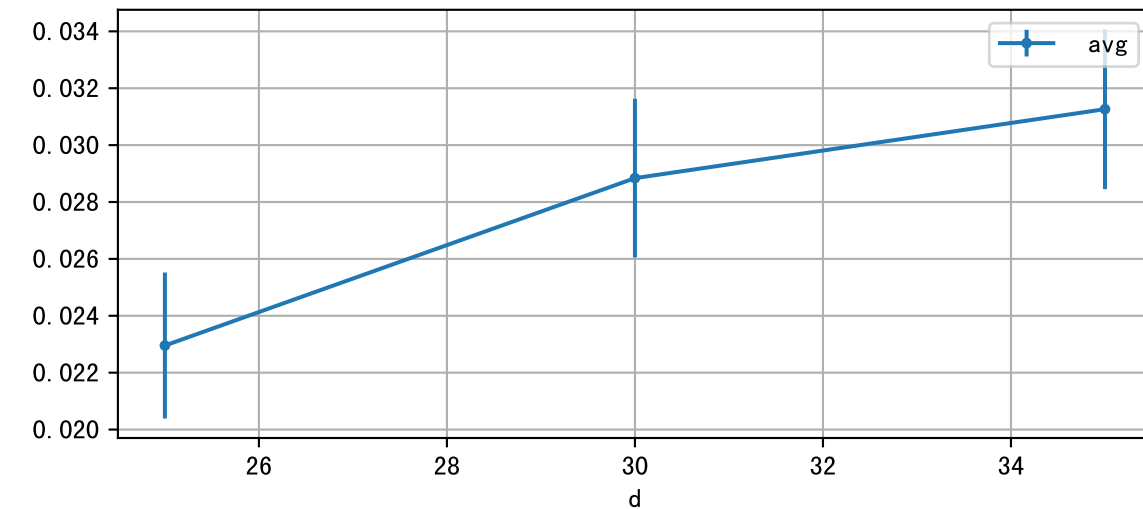
age=15



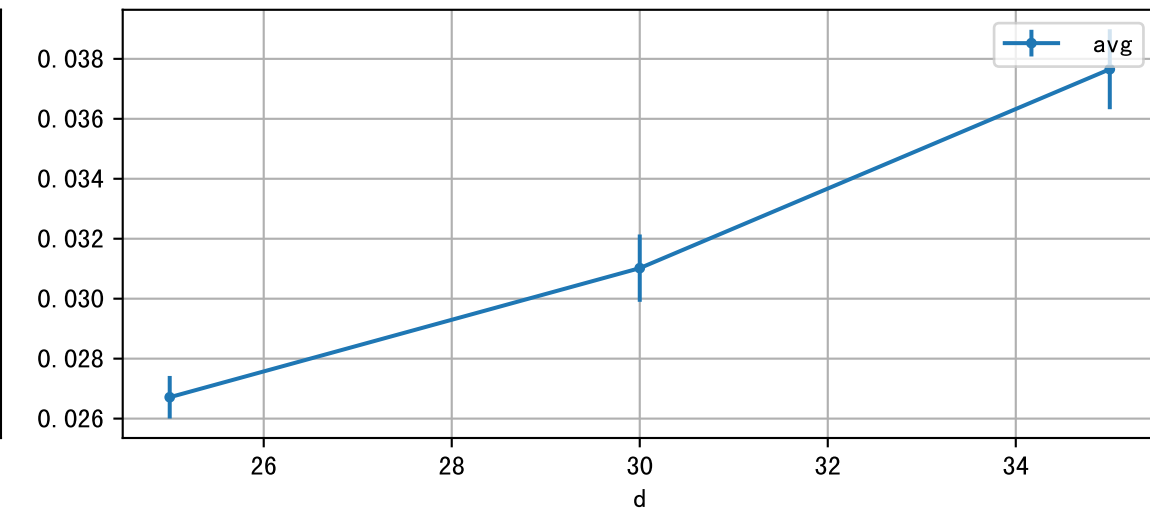
age=20



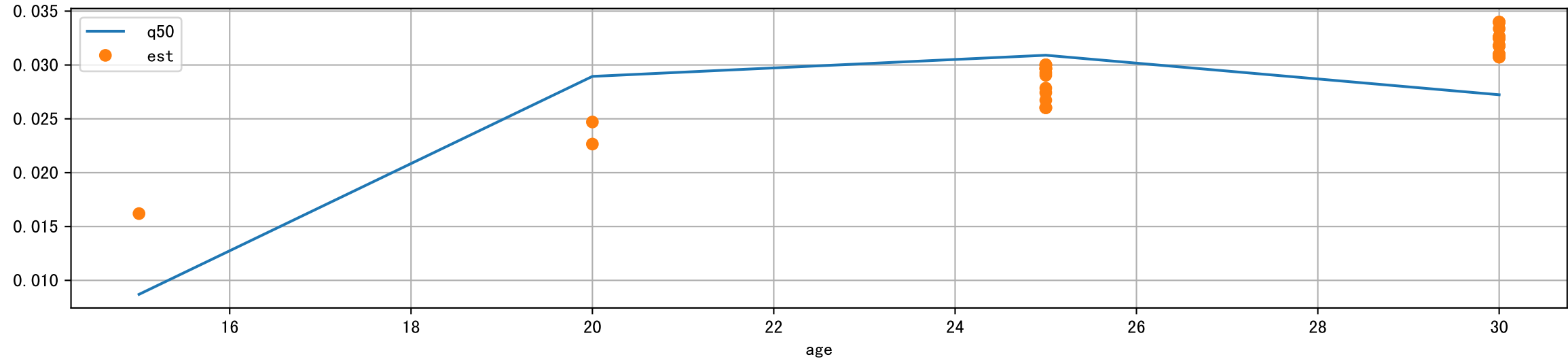
age=25



age=30

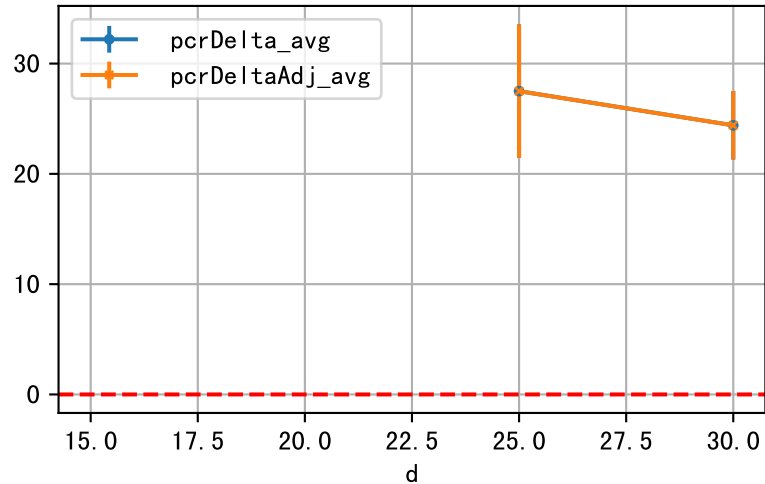


LfA: model est vs obs0v@Q50

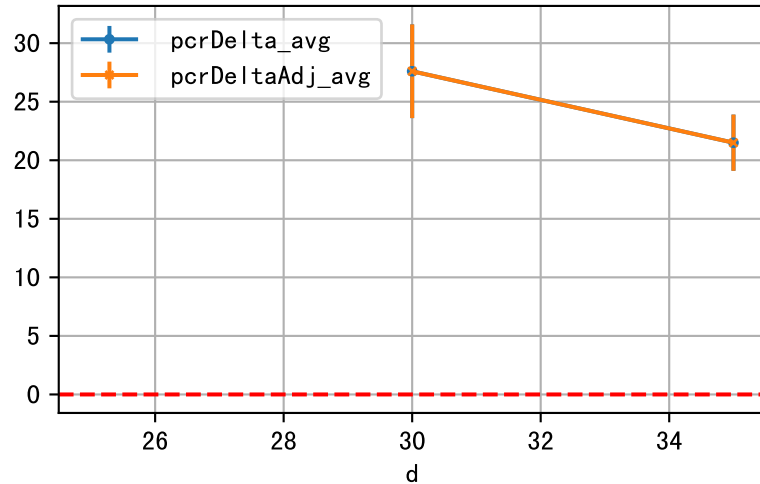


P3-6 LfA: D_5d_LfA

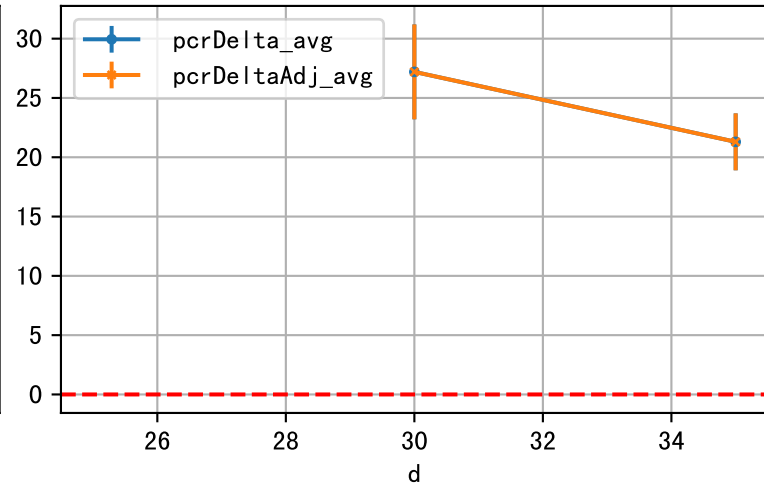
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

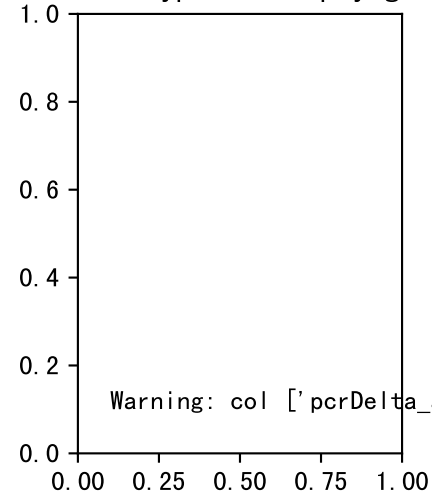


DeltaTypeAbbr=WeiAvgByD

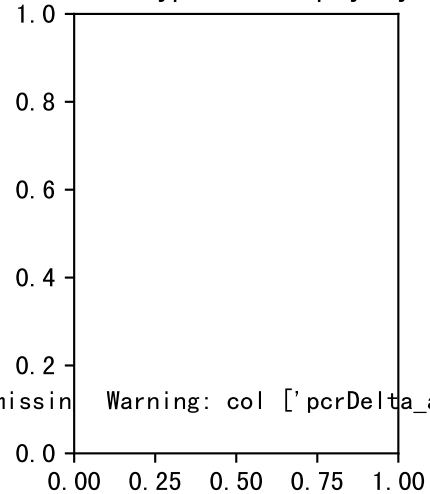


P3-6 LfA: D_15d_LfA

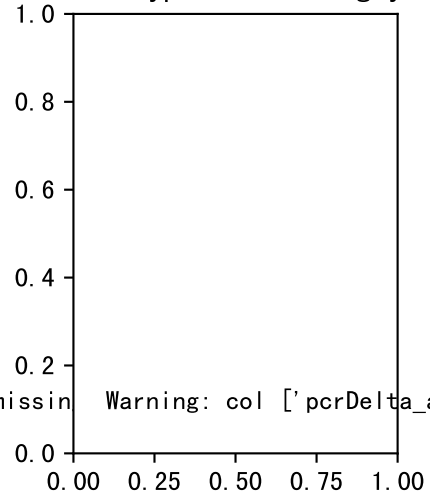
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

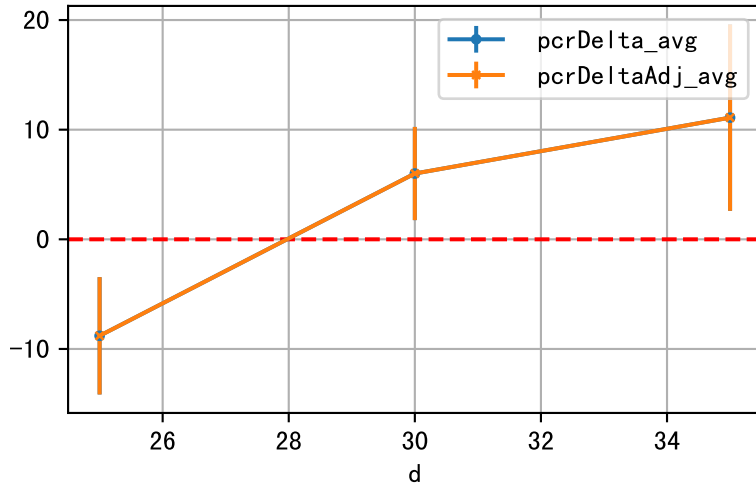


DeltaTypeAbbr=WeiAvgByD

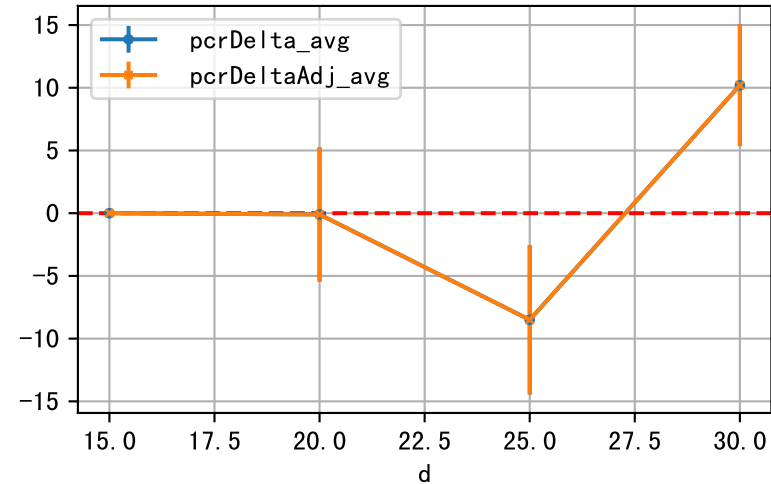


P3-6 LfA: D_Q50_LfA

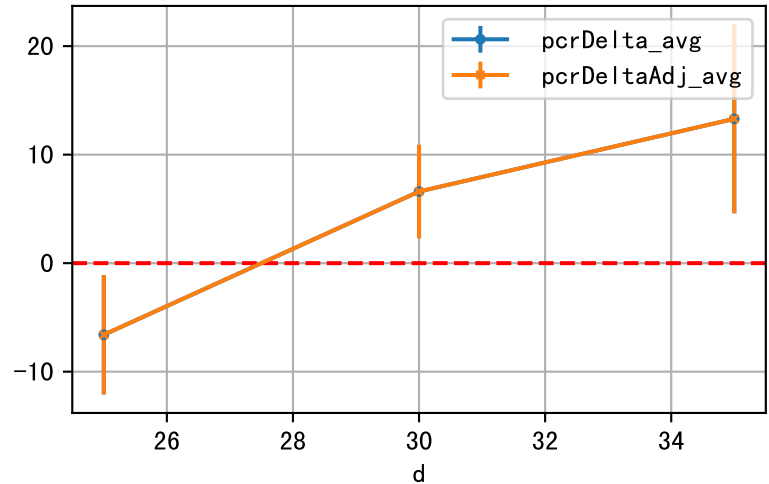
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

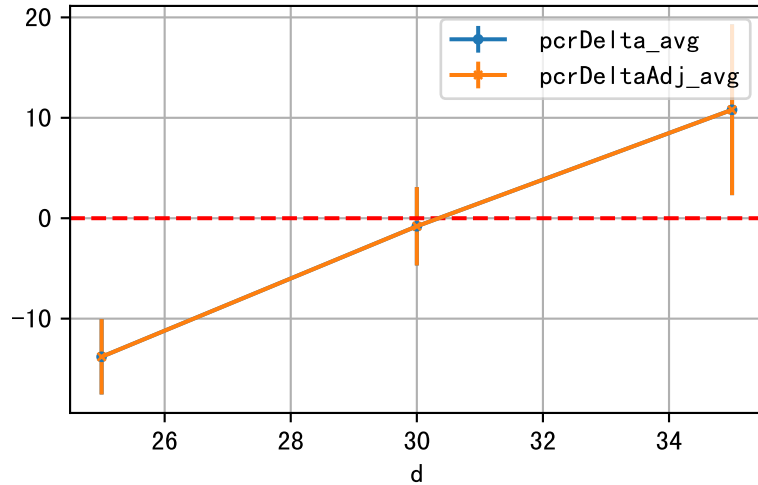


DeltaTypeAbbr=Wei AvgByD

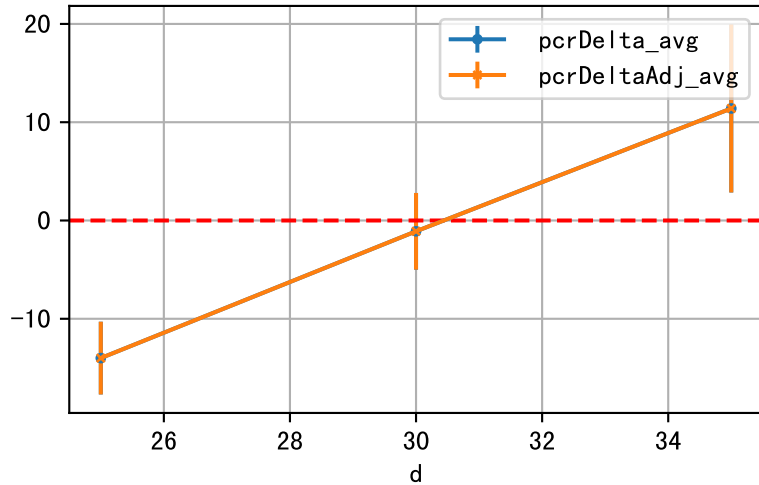


P3-6 LfA: D_Est_LfA

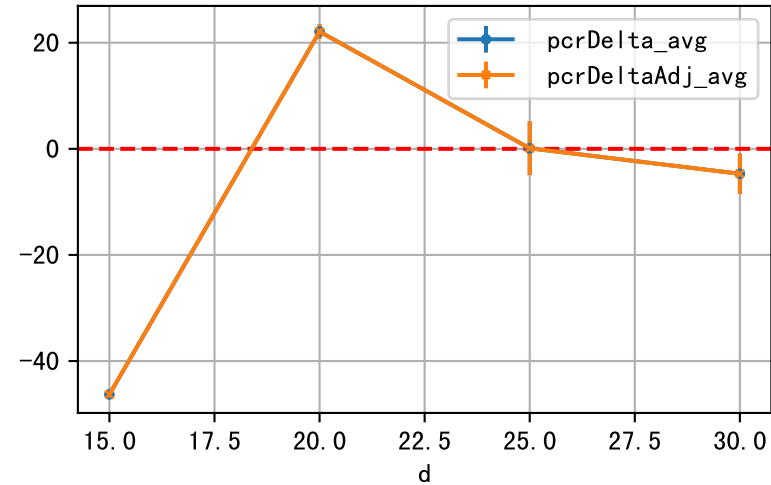
DeltaTypeAbbr=GrpByDay



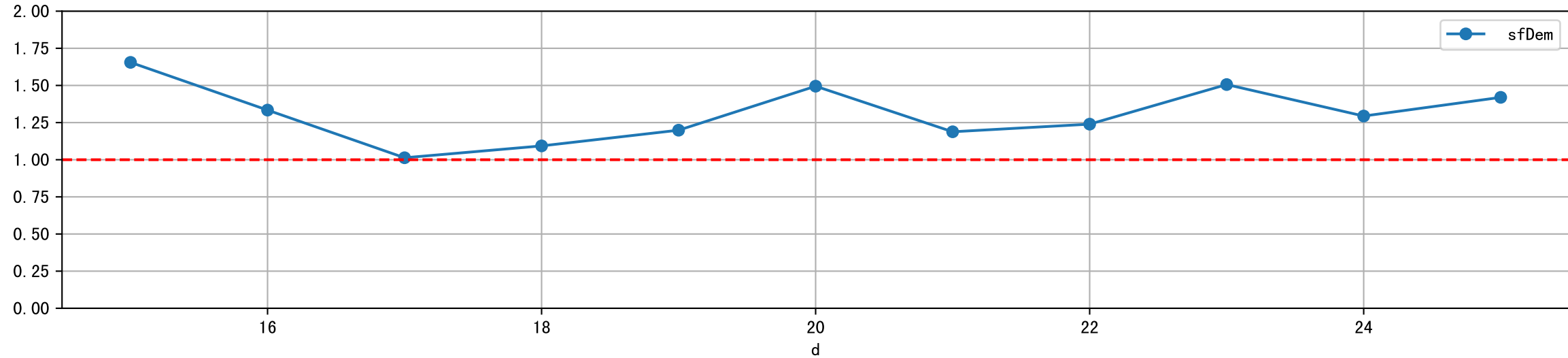
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge



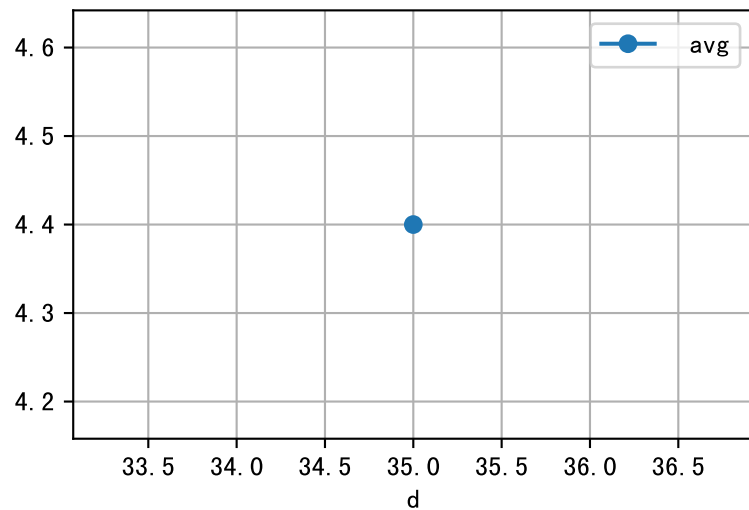
LfA: sfDem



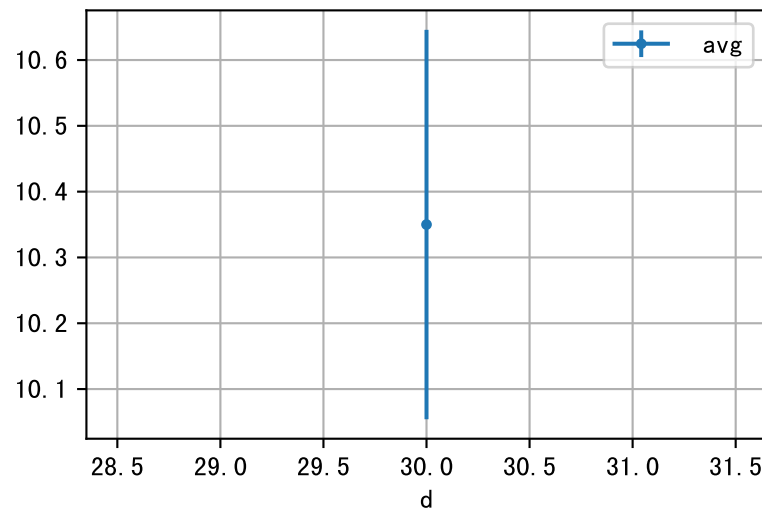


NdD: avg. vs. d at each age group

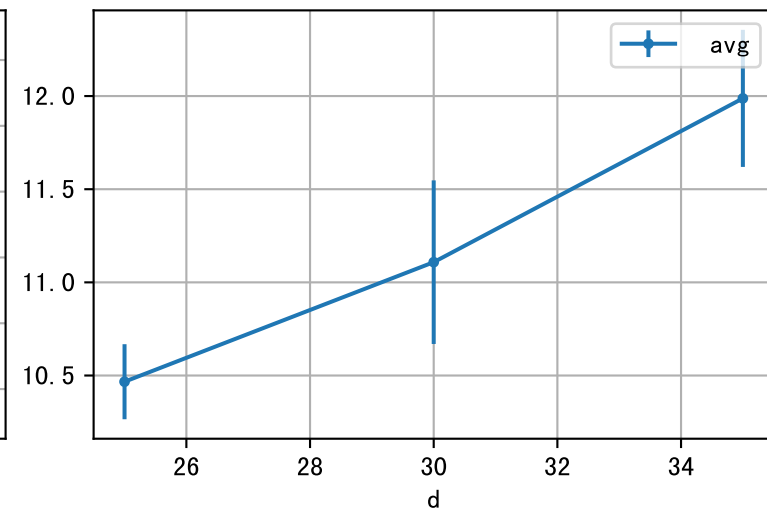
age=15



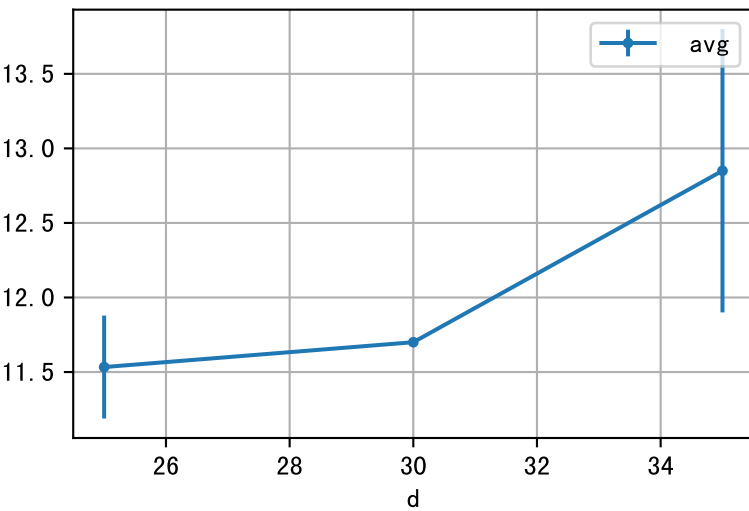
age=20



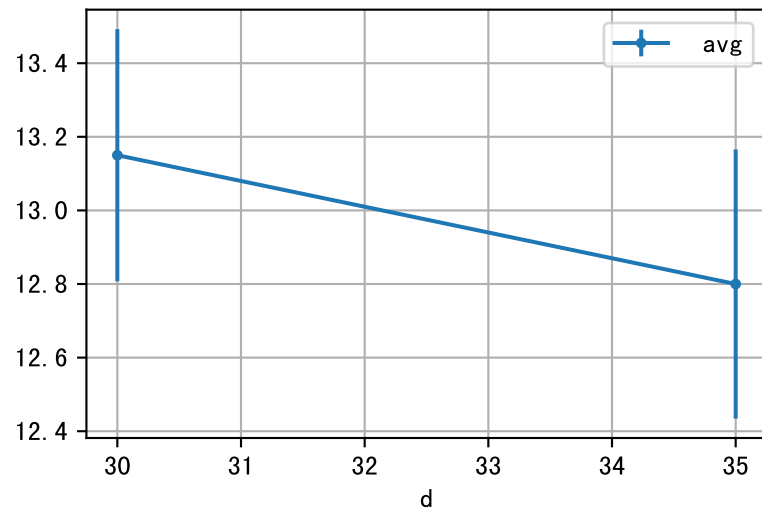
age=25



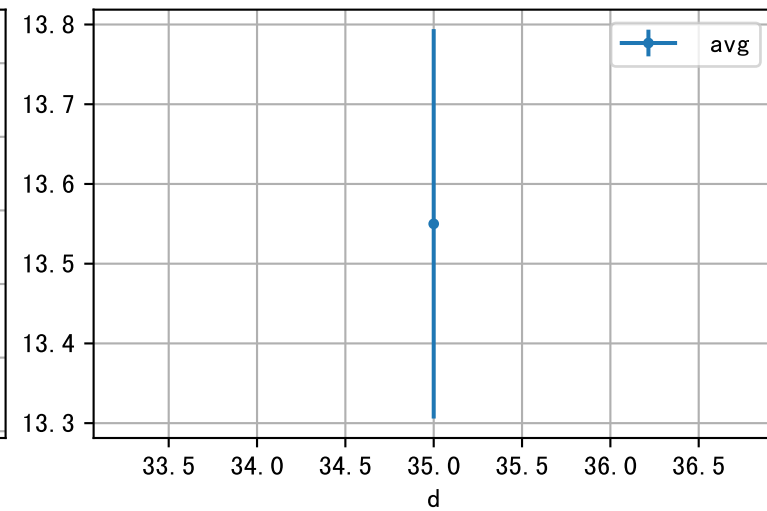
age=30



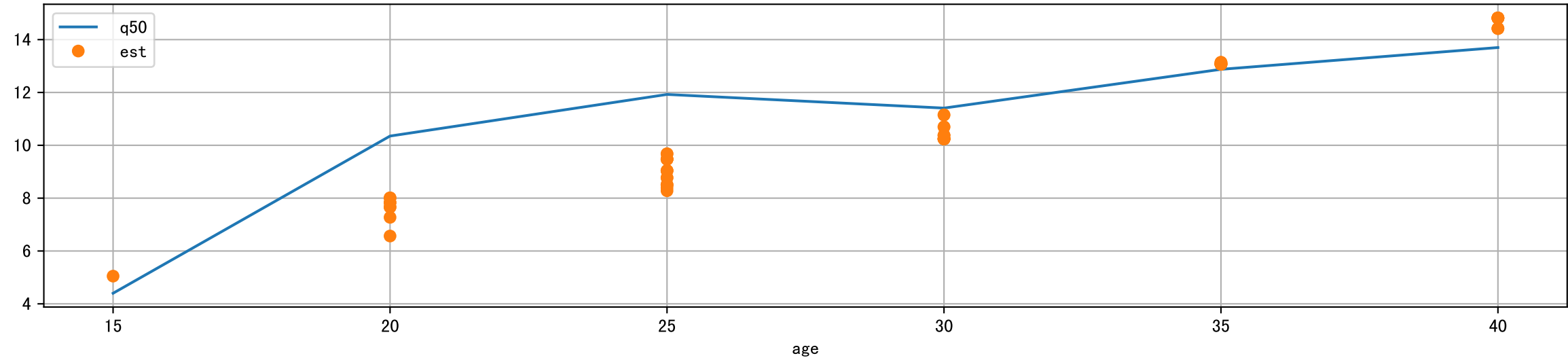
age=35



age=40

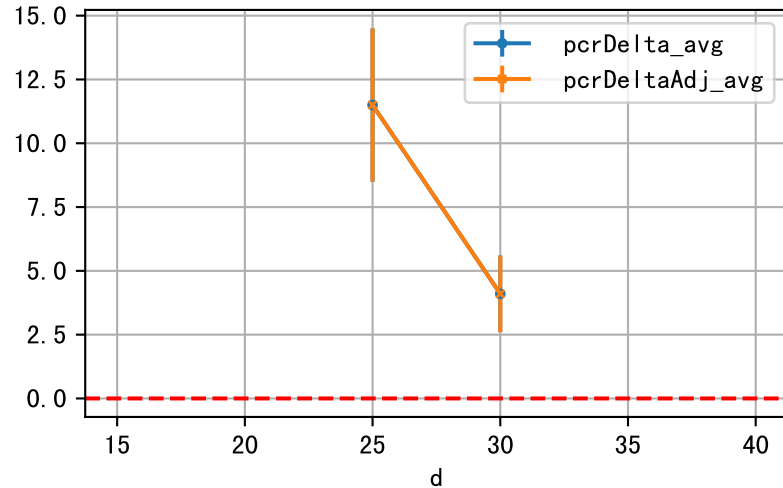


NdD: model est vs obs0v@Q50

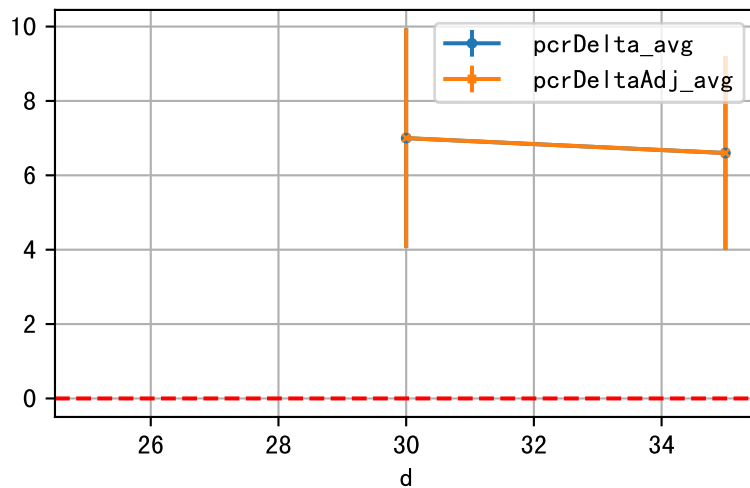


P3-6 NdD: D_5d_NdD

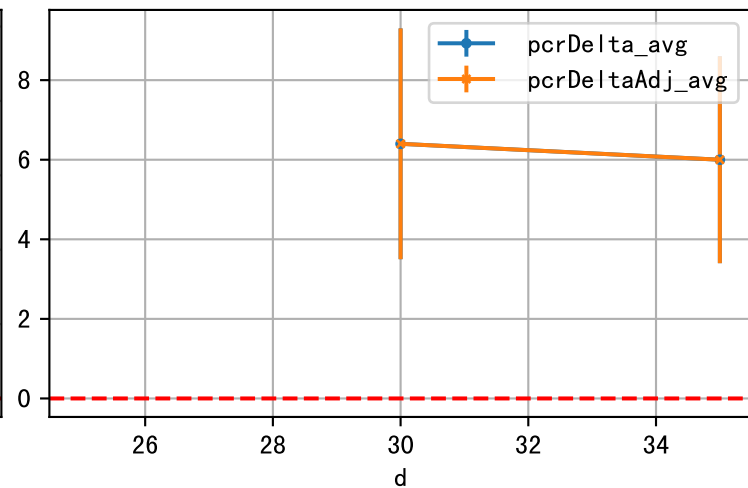
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

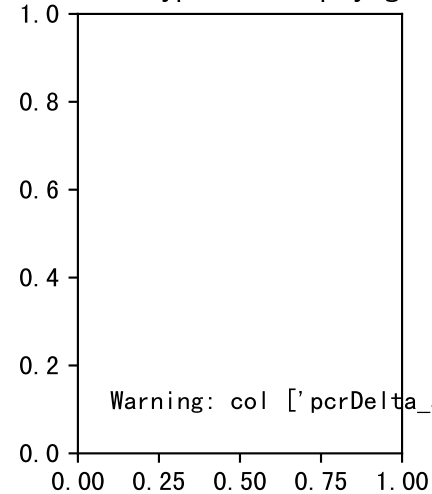


DeltaTypeAbbr=Wei AvgByD

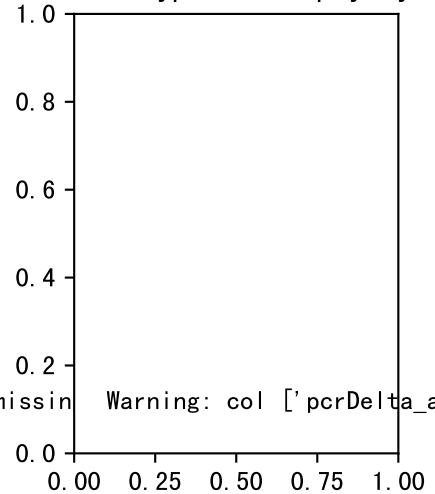


P3-6 NdD: D_15d_NdD

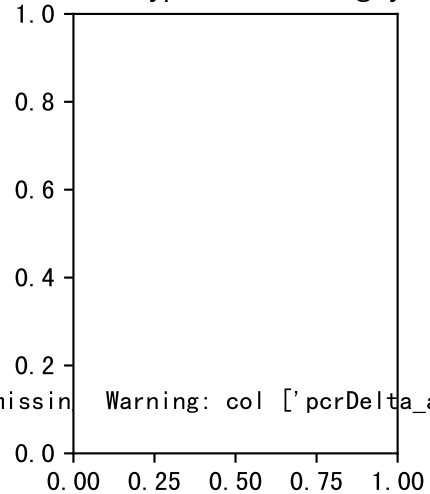
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

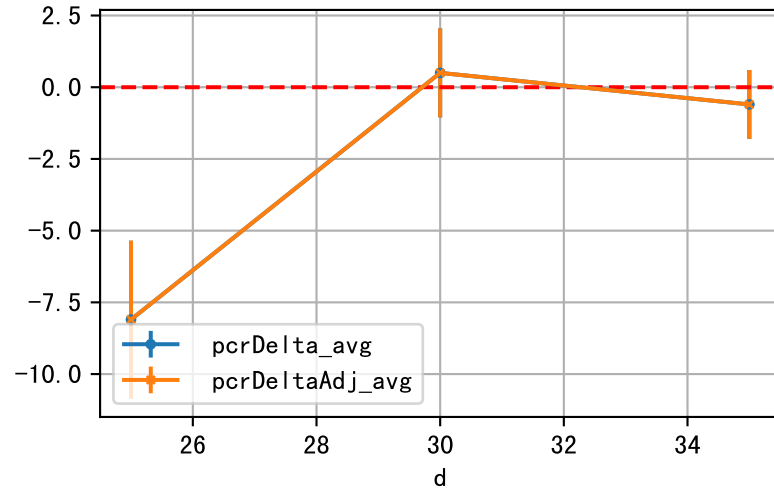


DeltaTypeAbbr=WeiAvgByD

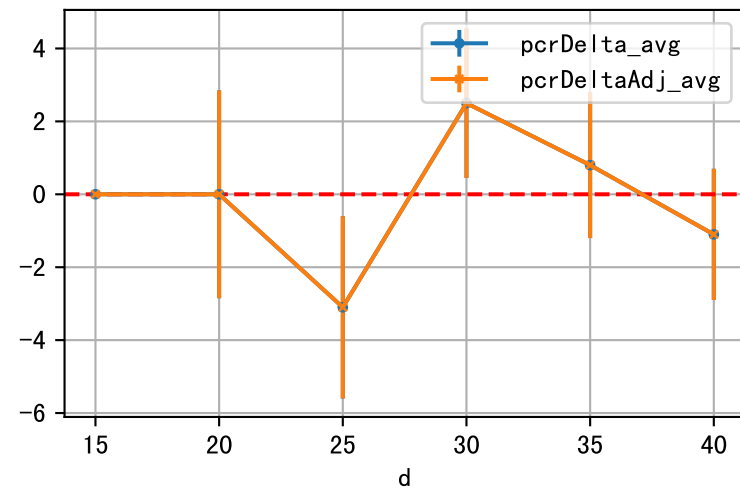


P3-6 NdD: D_Q50_NdD

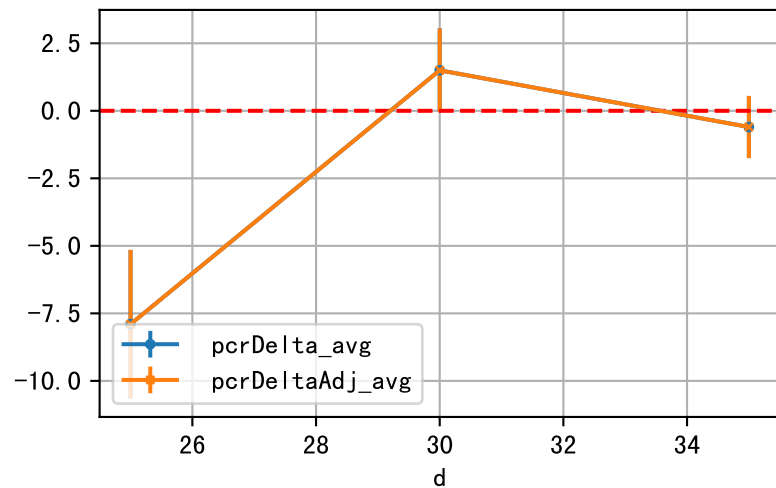
DeltaTypeAbbr=GrpByDay



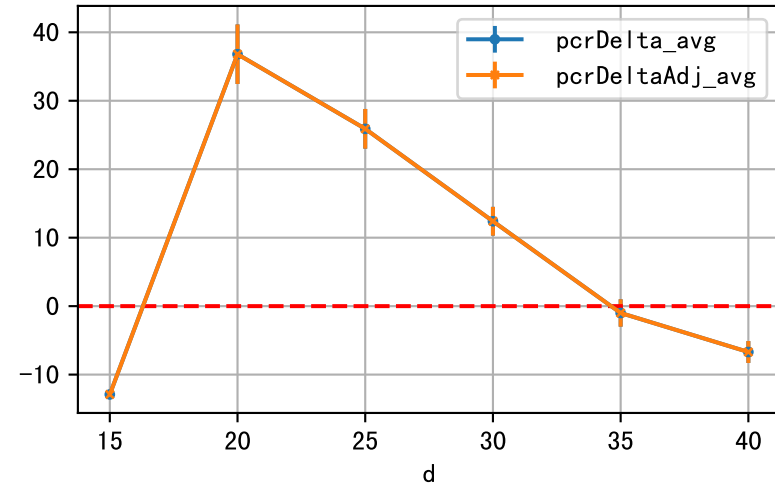
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD

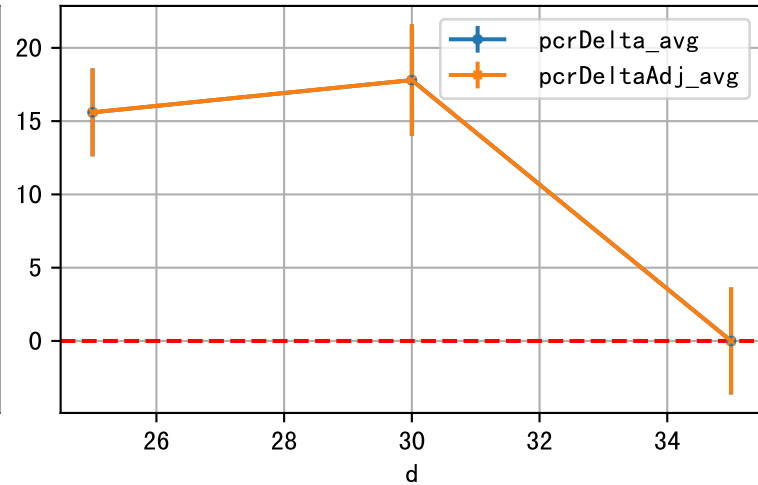


DeltaTypeAbbr=GrpByAge

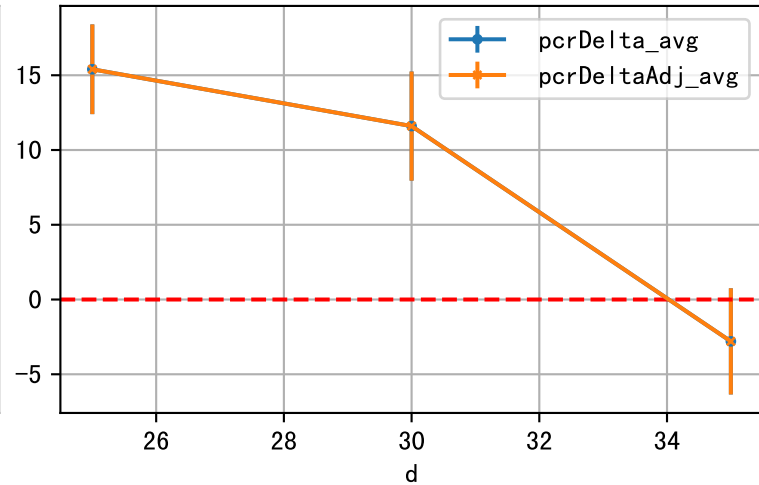


P3-6 NdD: D_Est_NdD

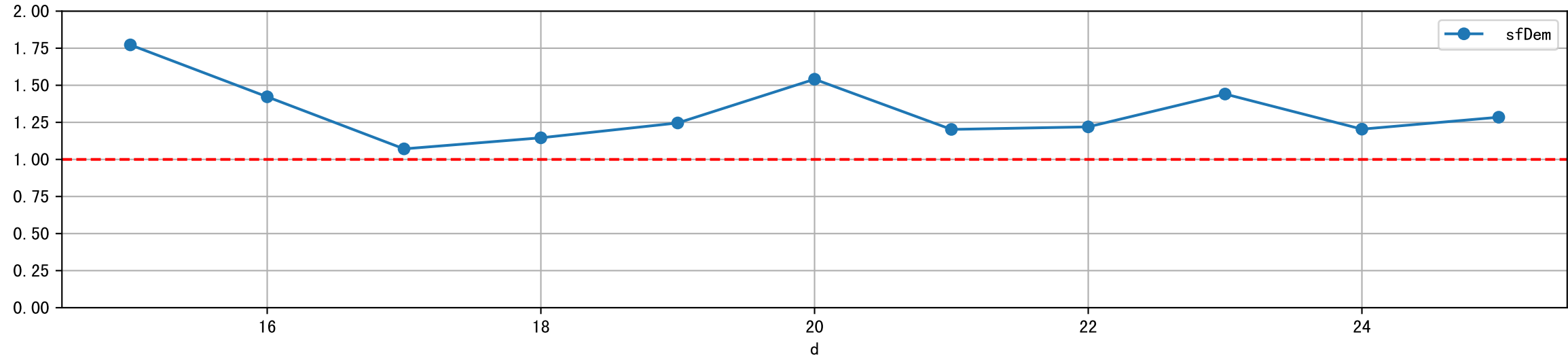
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

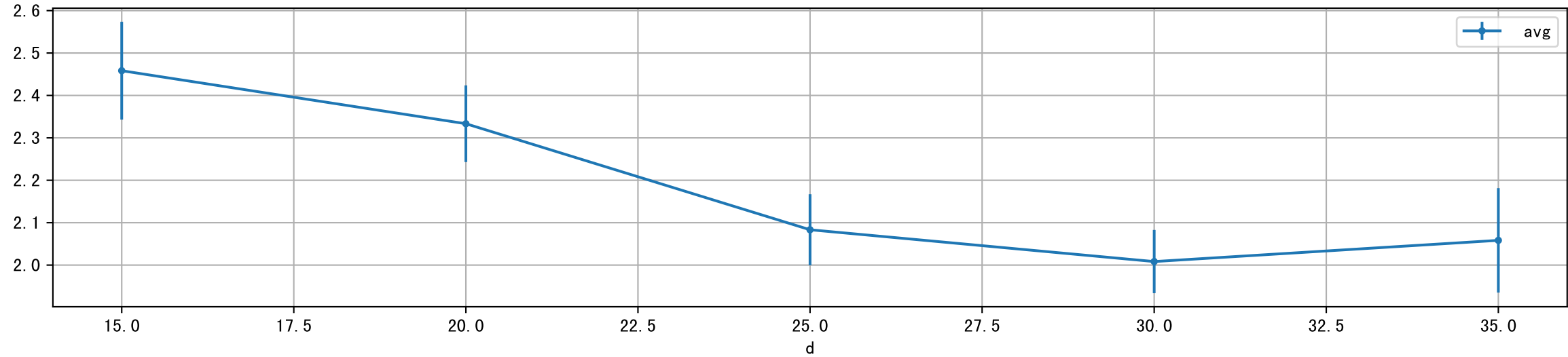


NdD: sfDem

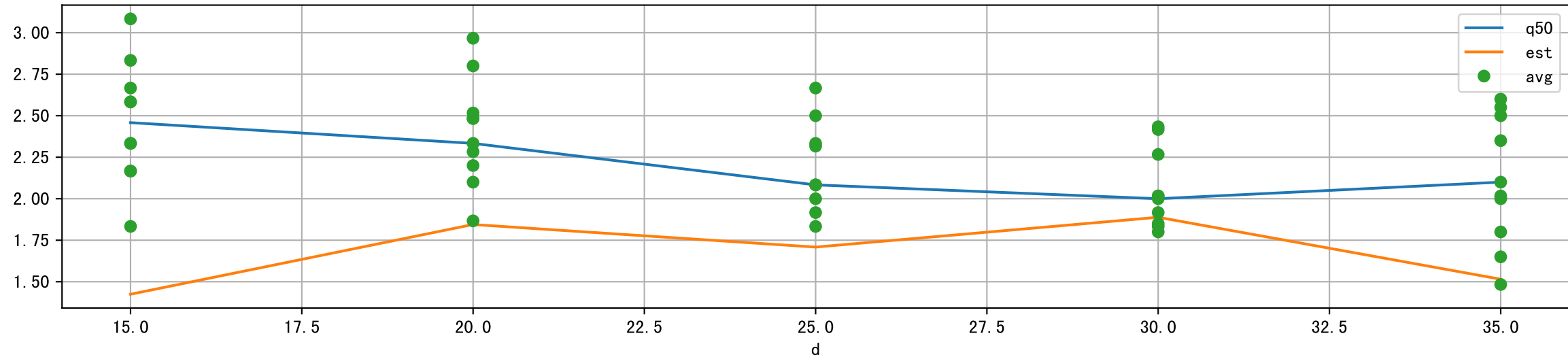




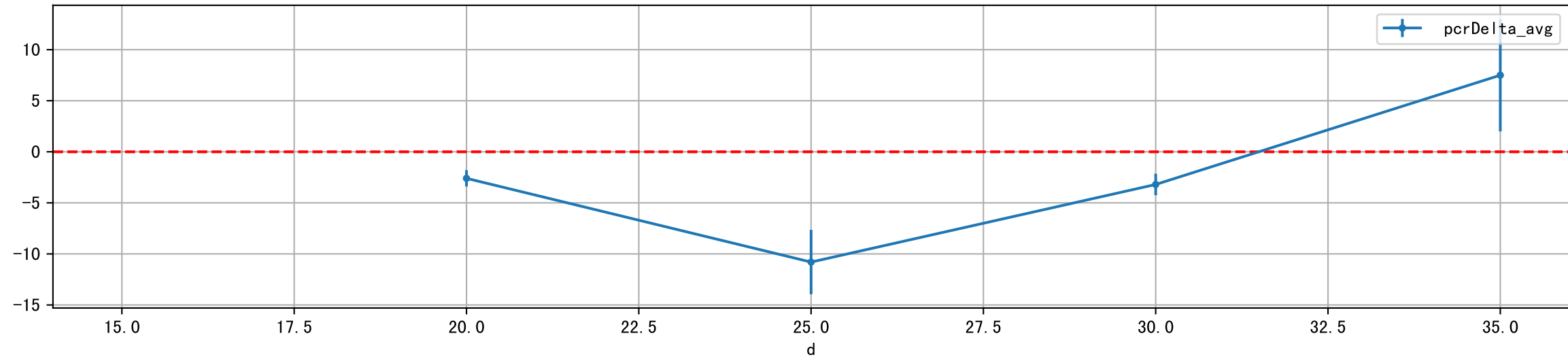
dStH: avg vs. d



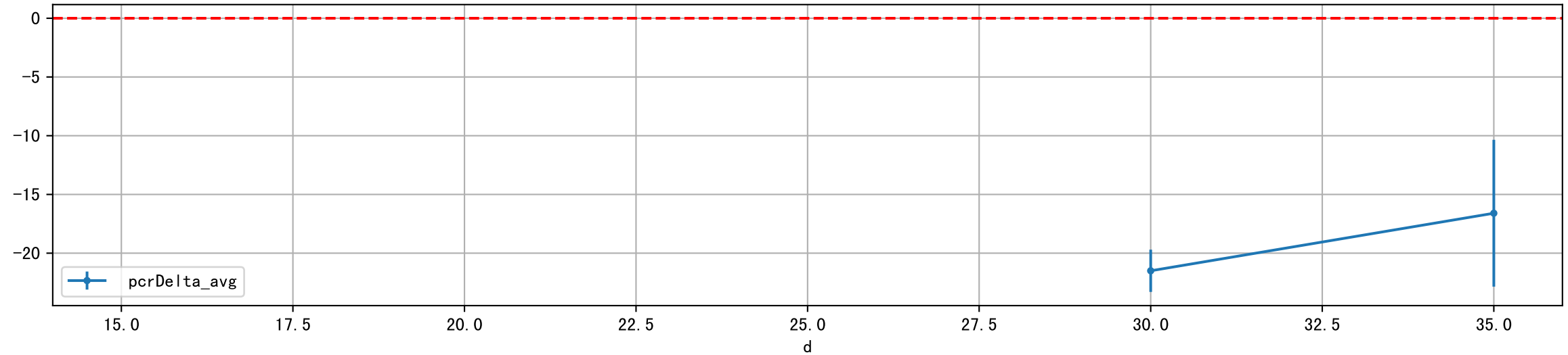
dStH: obsAvg vs obs0v@Q50



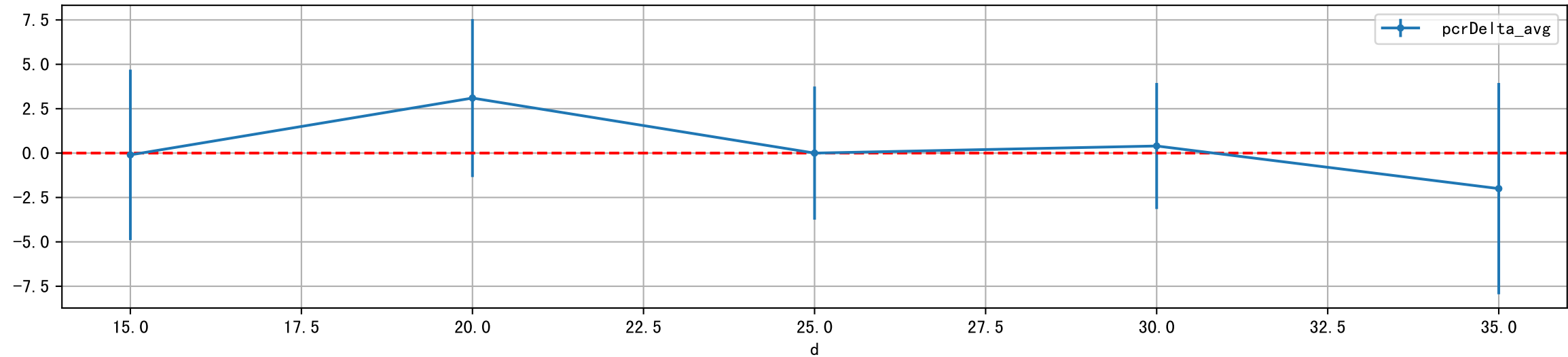
dStH: D_5d_StH



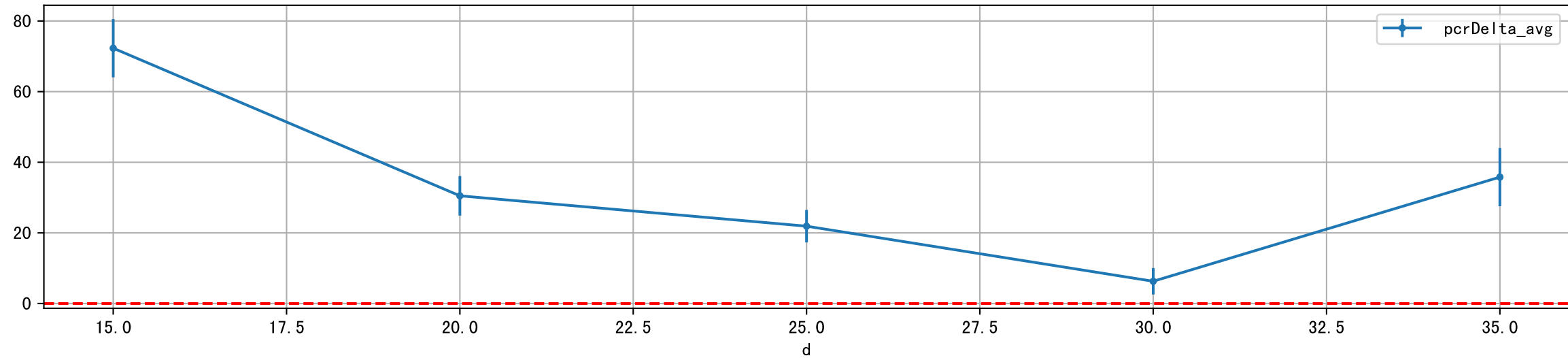
dStH: D_15d_StH



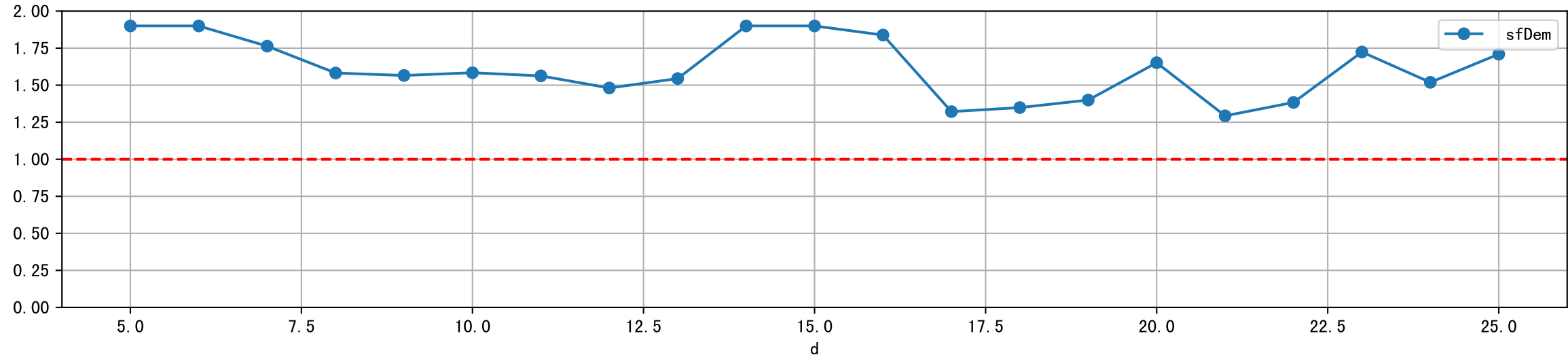
dStH: D_Q50_StH



dStH: D_Est_StH

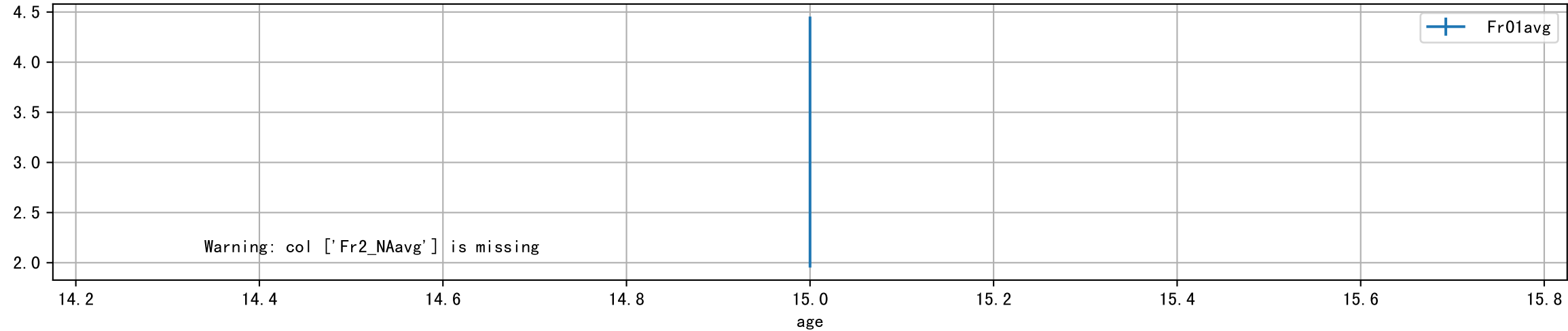


dStH: sfDem



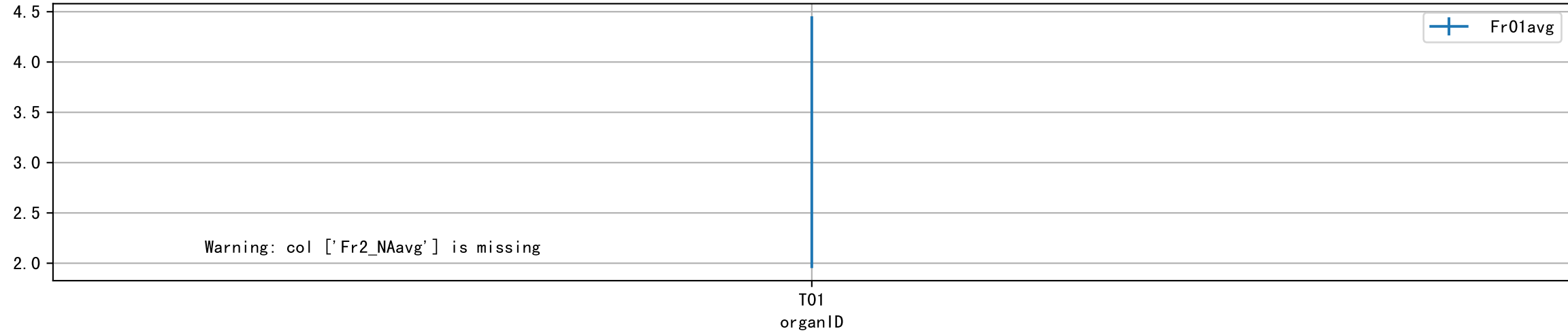


FrV: Fr01 vs Fr2_NA at each truss
organID=T01

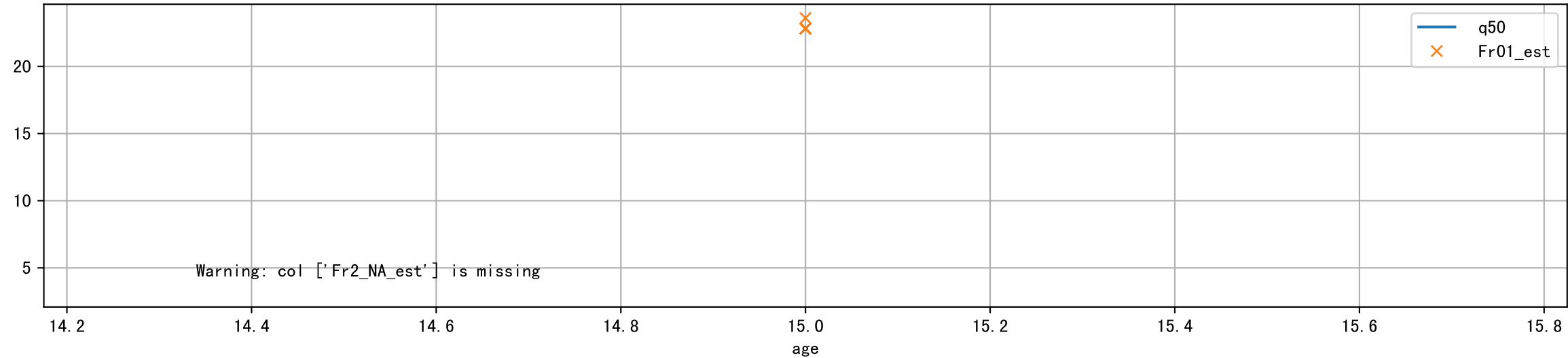


FrV trend at each age

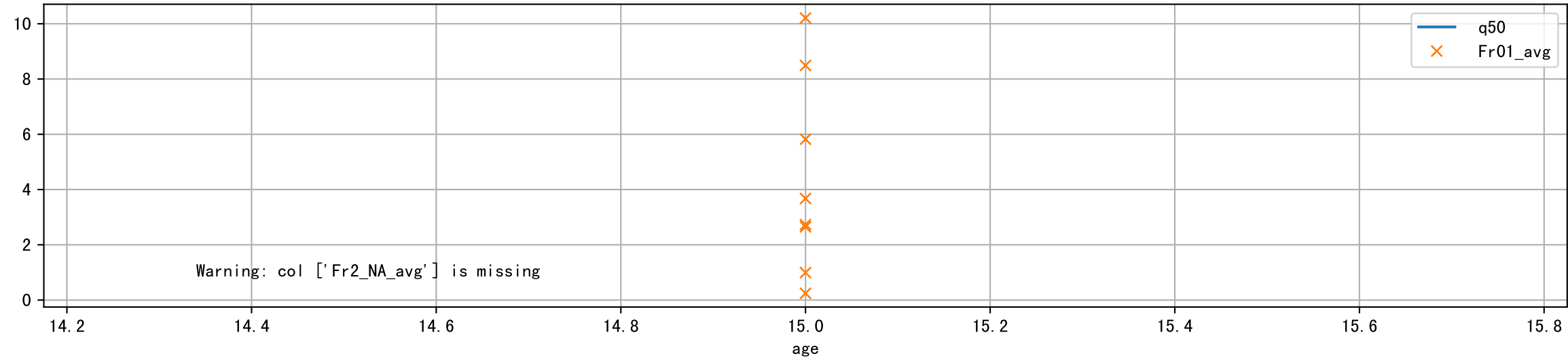
age=15



FrV: model Est vs obsFrV at Q90

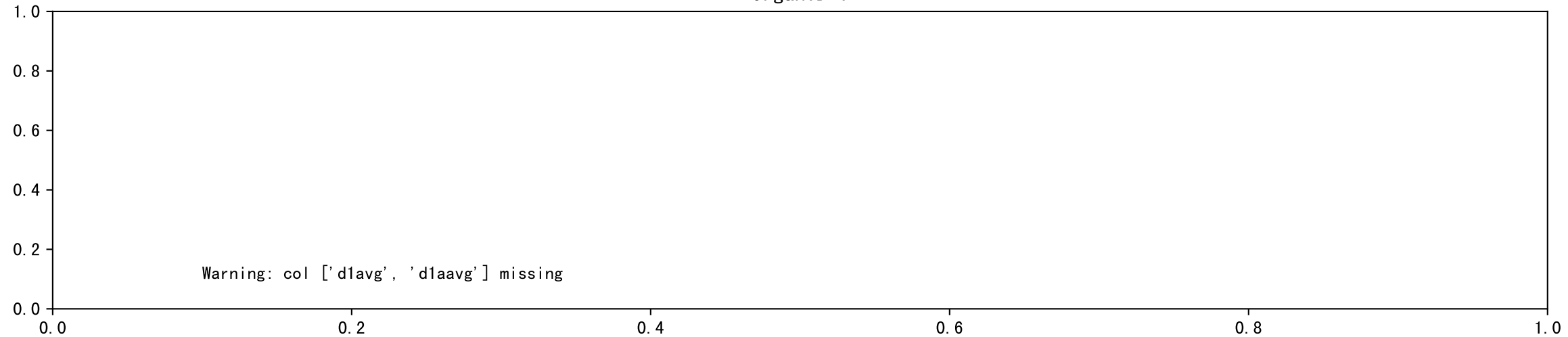


FrV: obsFrV vs obsFrV@Q90



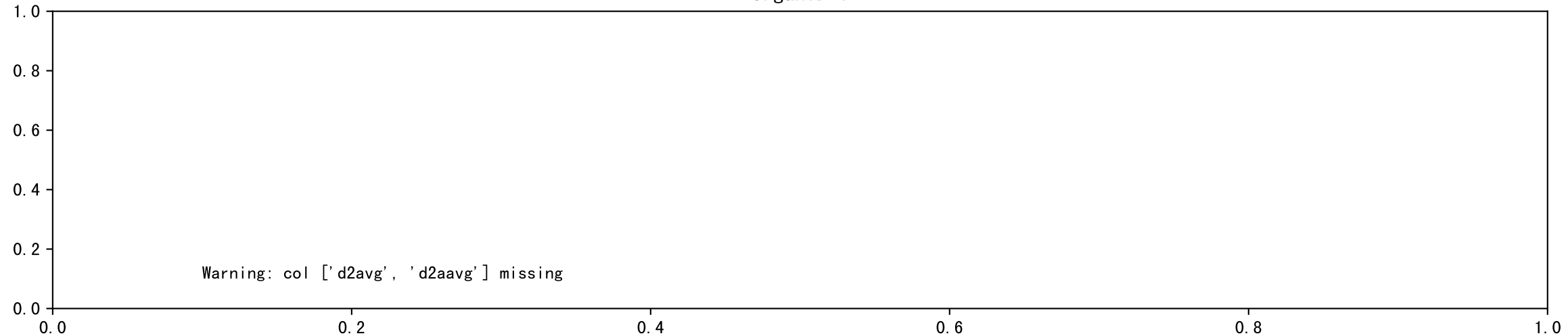
FrV: D_Fr1_FrV
organID=1

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

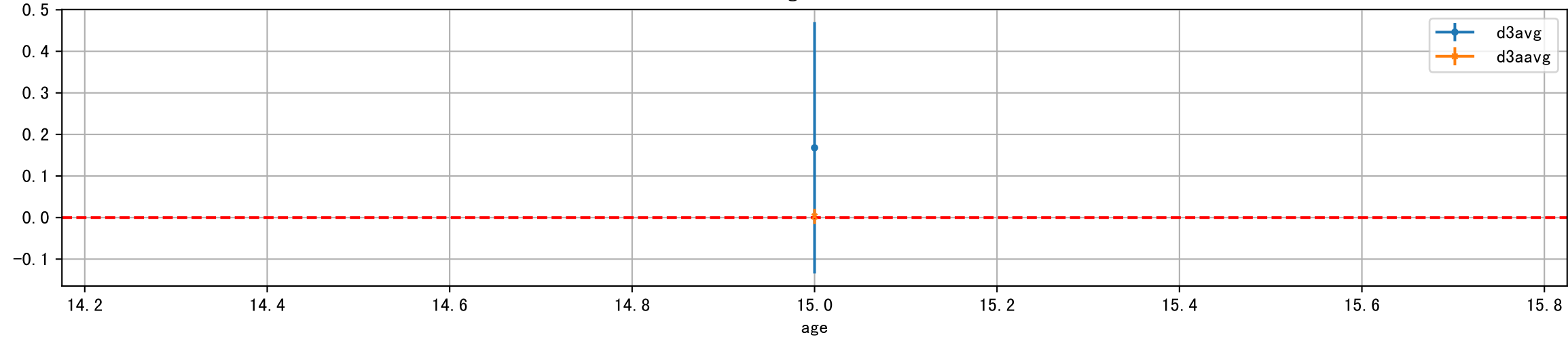


FrV: D_Ts_FrV
organID=1

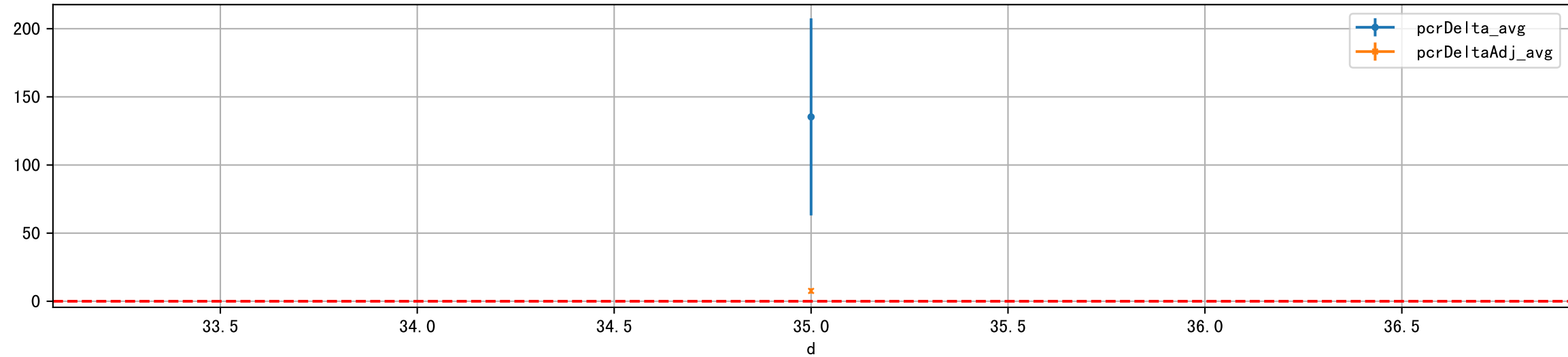
Warning: col ['d2avg', 'd2aavg'] missing



FrV: D_Q50_FrV
organID=1



P3-6 FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=1

