

Phenotype Data Analysis Plots

PhenoData day range = 12 - 41

Analysis cutoff day = 41

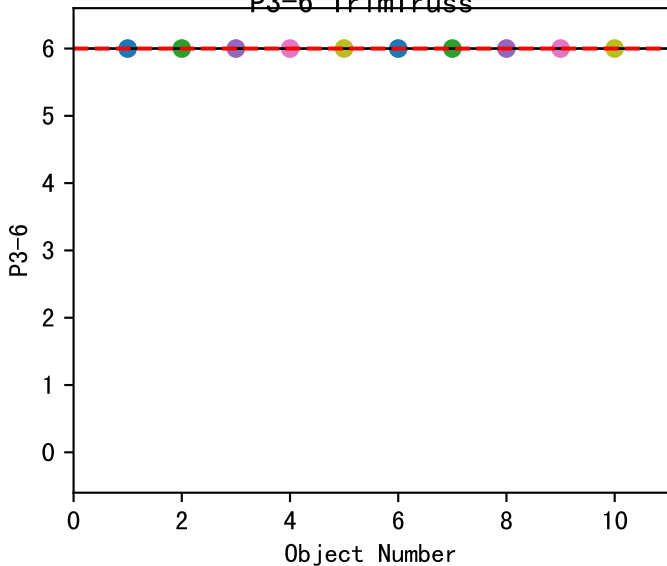
NC11 P3-6

2025-05-10 (Day 42)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

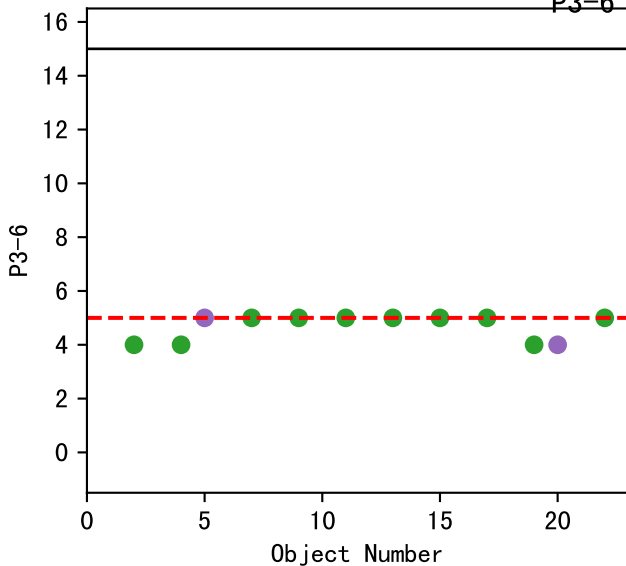
P3-6 TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

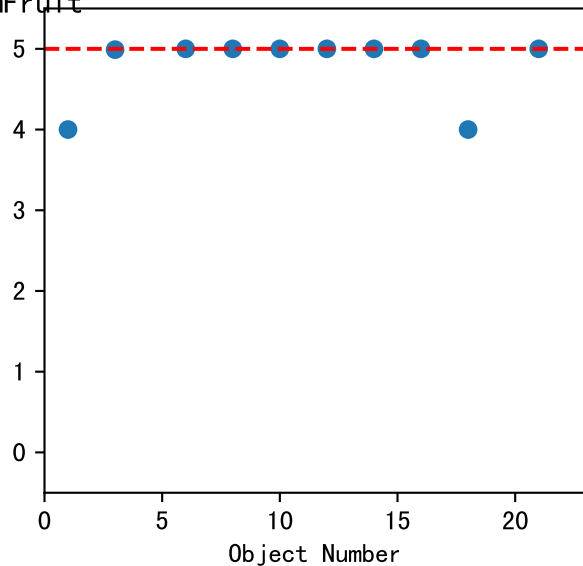
avg1=5.0~10% avg2=na

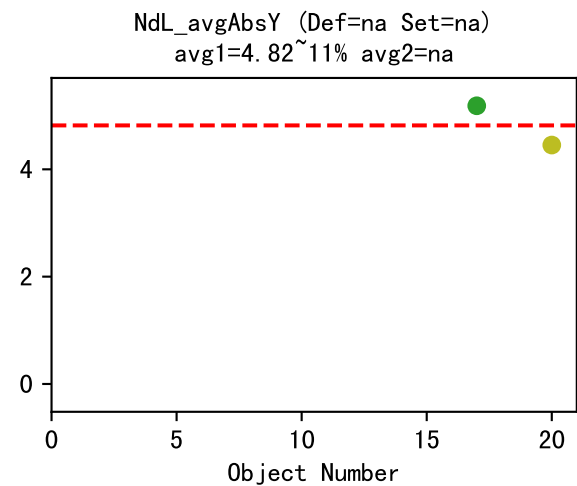
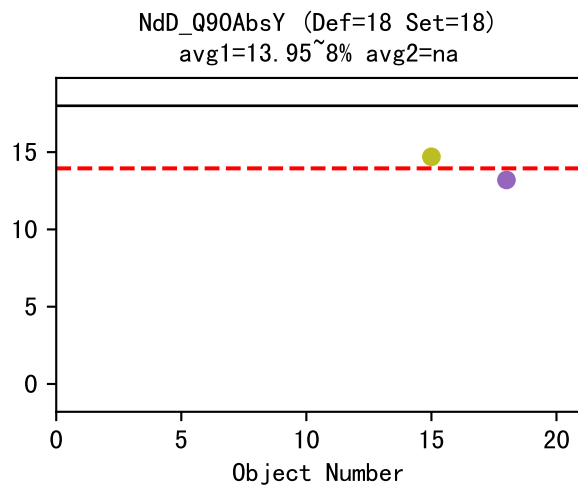
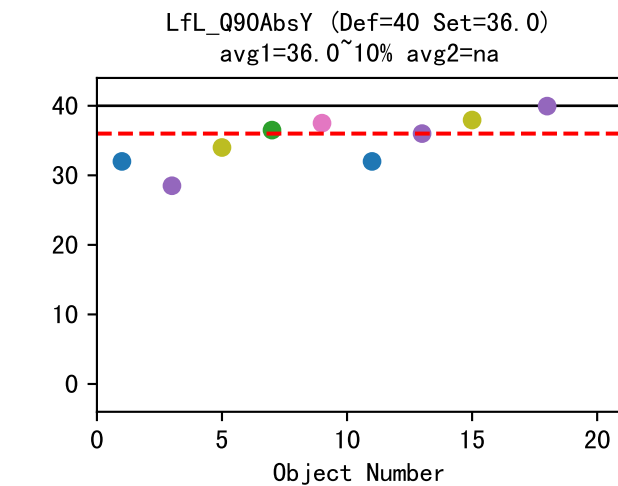
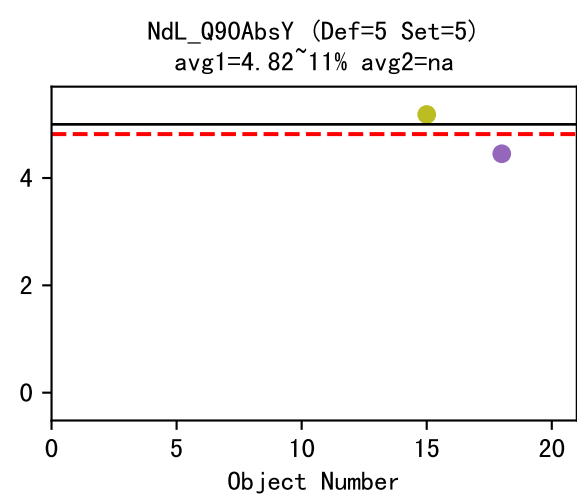
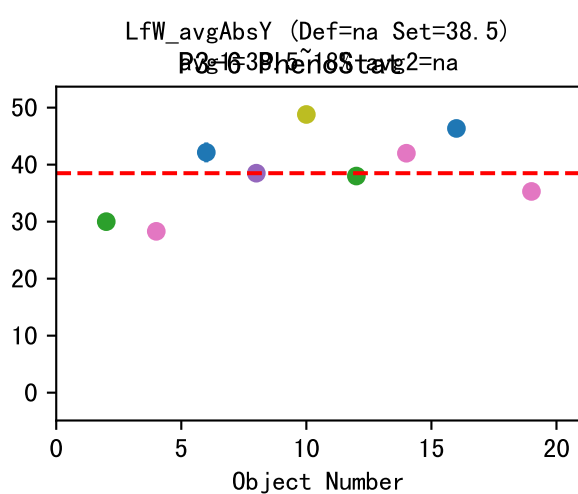
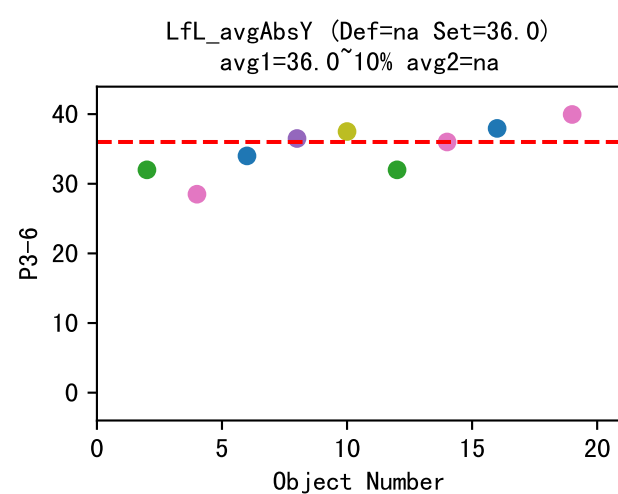
P3-6 TrimFruit



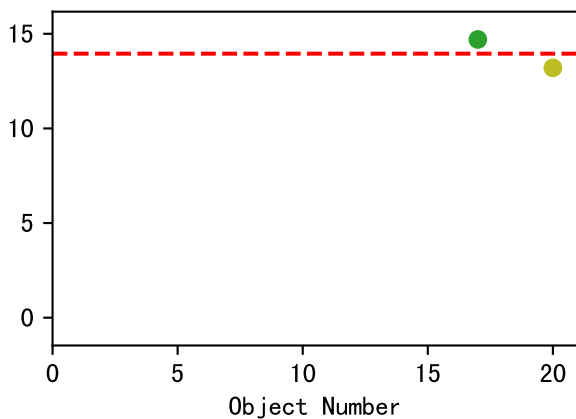
FruitNumMaxPerTruss (Def=na Set=5)

avg1=5.0~0% avg2=na

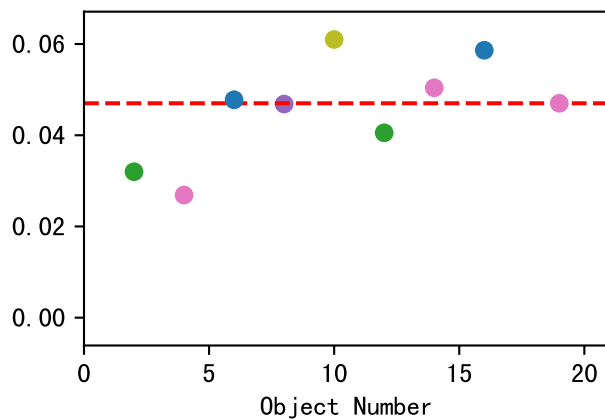




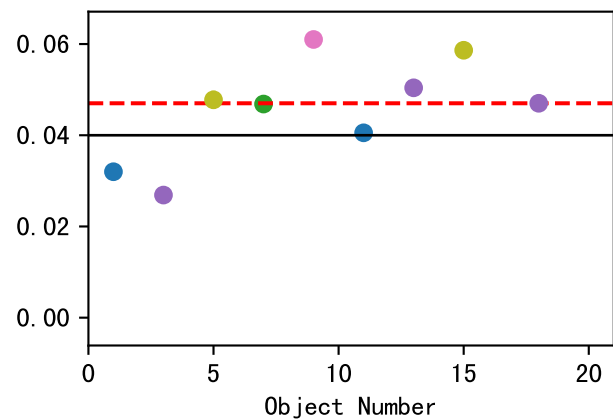
NdD_avgAbsY (Def=na Set=na)
avg1=13.95~8% avg2=na



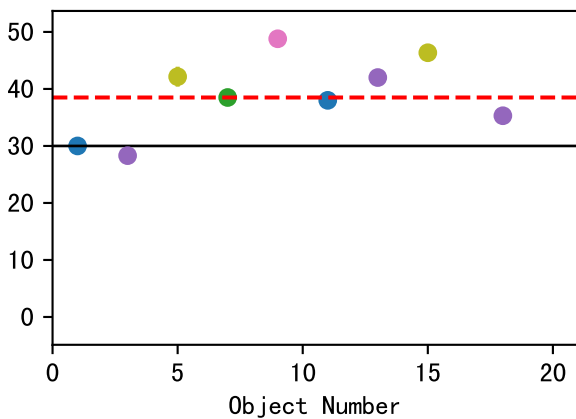
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~24% avg2=na



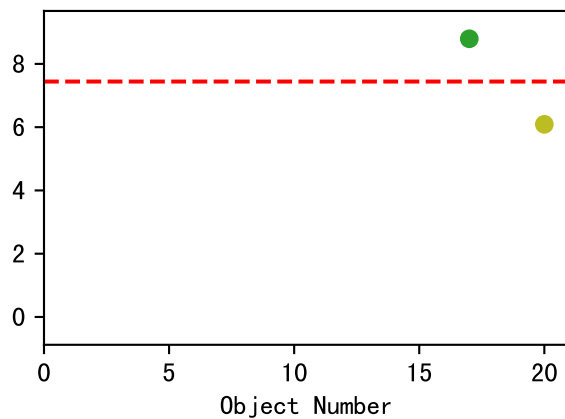
LfA_Q90AbsY (Def=0.04 Set=0.05)
avg1=0.05~24% avg2=na



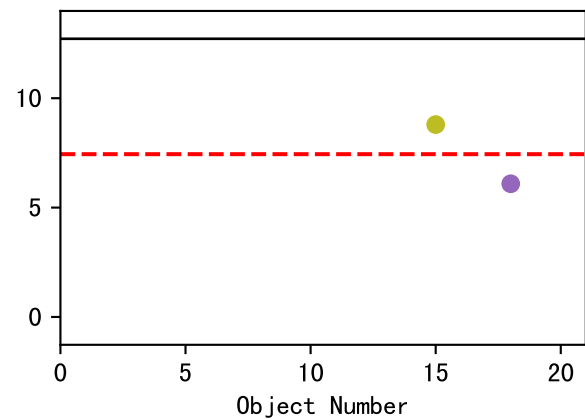
LfW_Q90AbsY (Def=30 Set=38.5)
avg1=38.5~18% avg2=na



NdV_avgAbsY (Def=na Set=na)
avg1=7.44~26% avg2=na

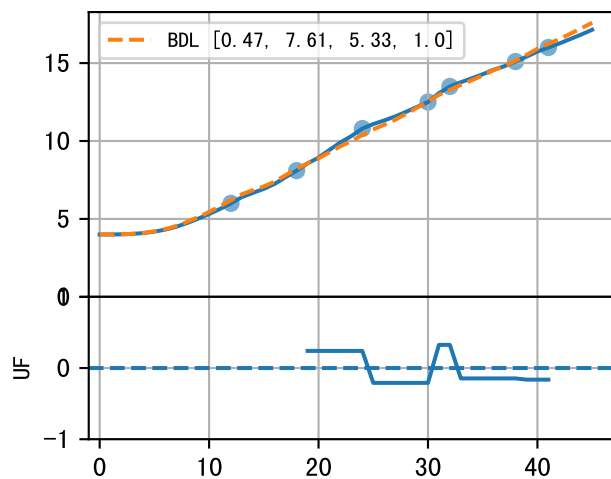


NdV_Q90AbsY (Def=12.72 Set=12.72)
avg1=7.44~26% avg2=na

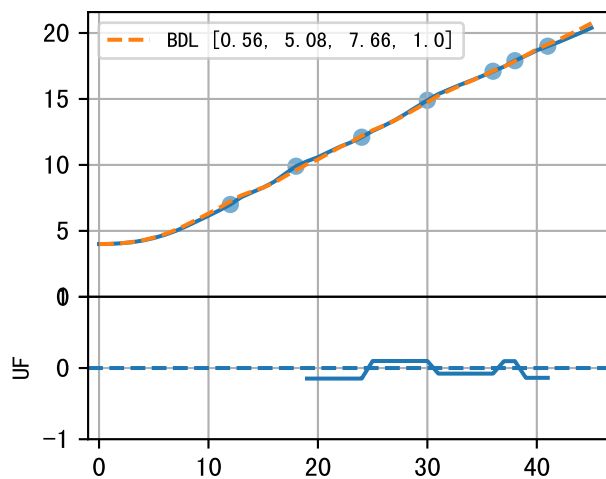


$N_d N$

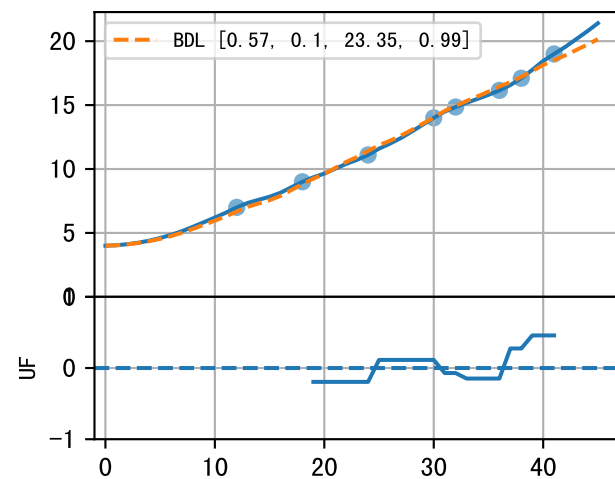
P3-6-003-24 (fit failed)



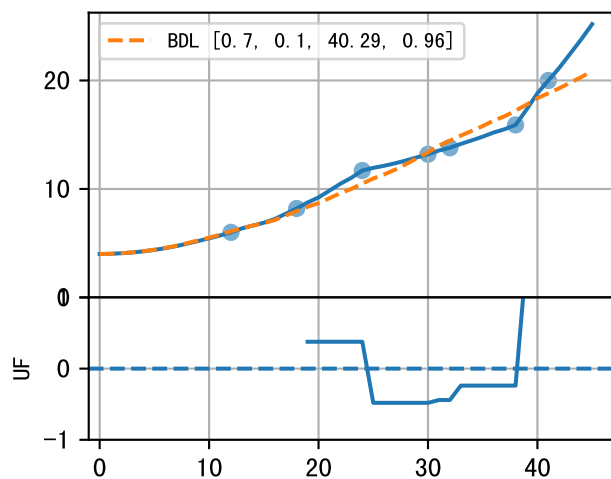
P3-6-007-11 (fit failed)



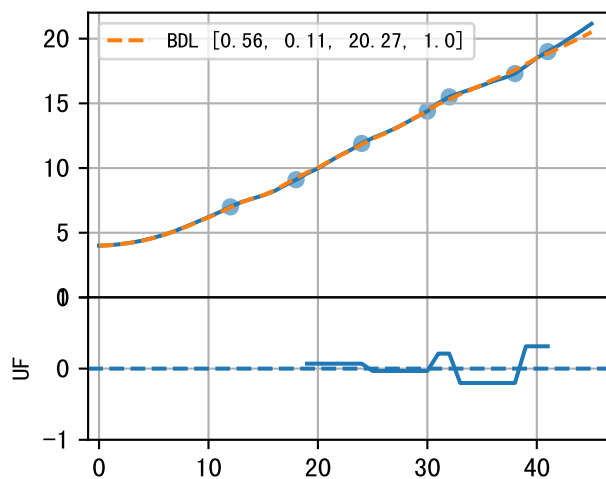
P3-6-011-7 (fit failed)



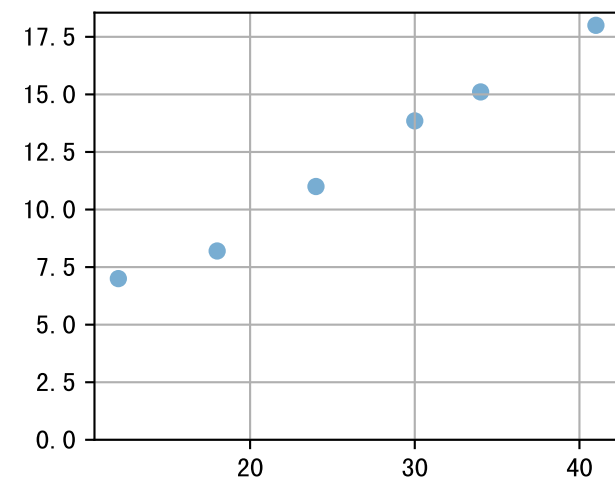
P3-6-015-30 (fit failed)



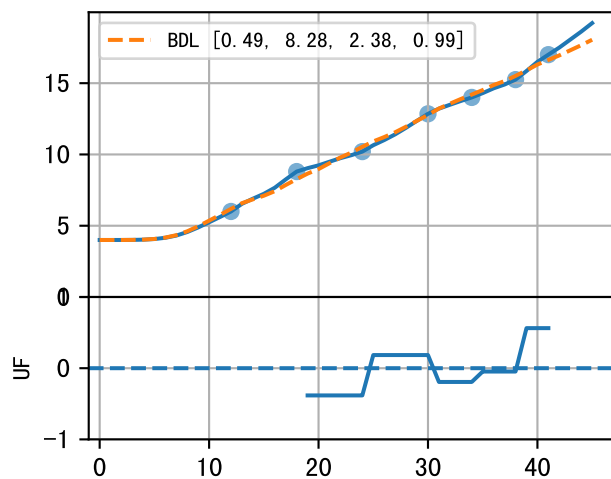
P3-6-019-12 (fit failed)



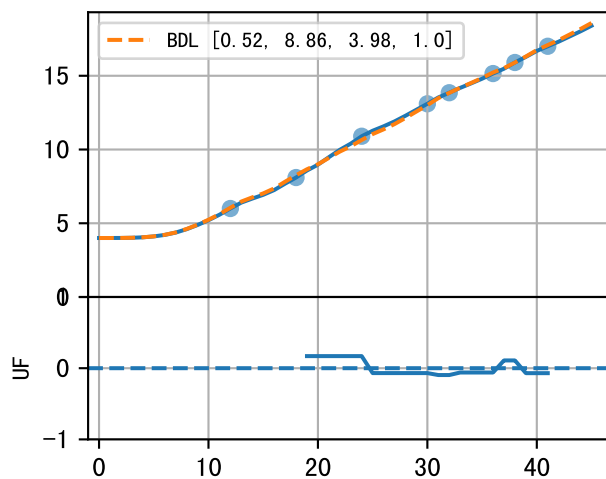
P3-6-024-25 (fit failed)



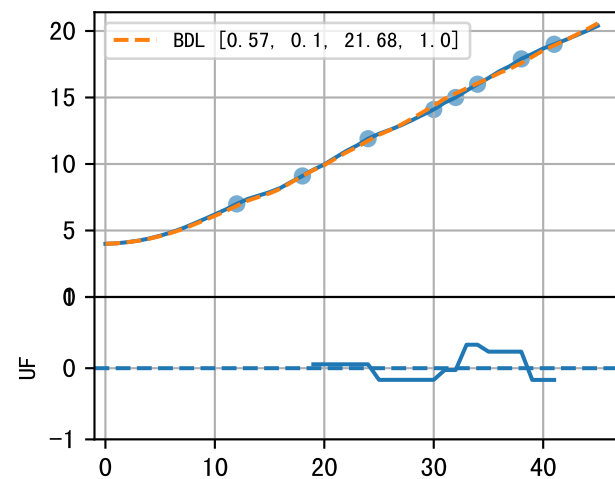
P3-6-028-32 (fit failed)



P3-6-033-9 (fit failed)

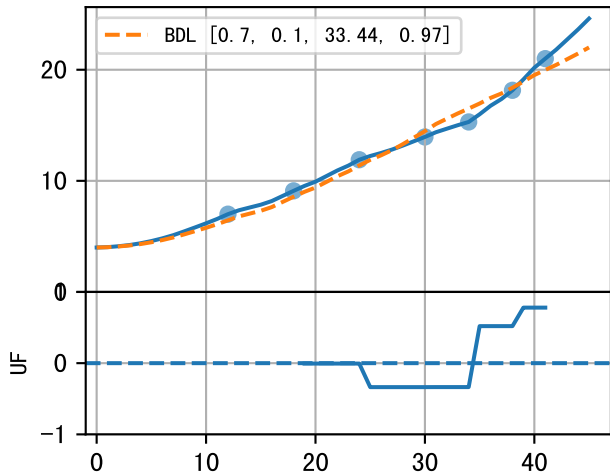


P3-6-038-21 (fit failed)



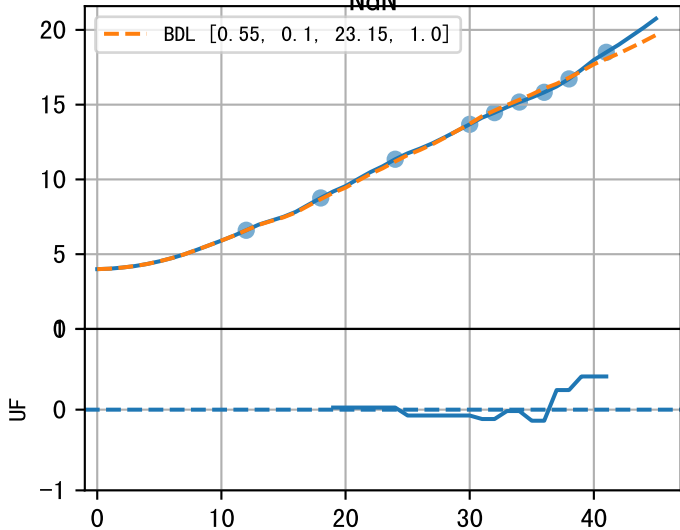
P3-6-042-4 (fit failed)

NdN

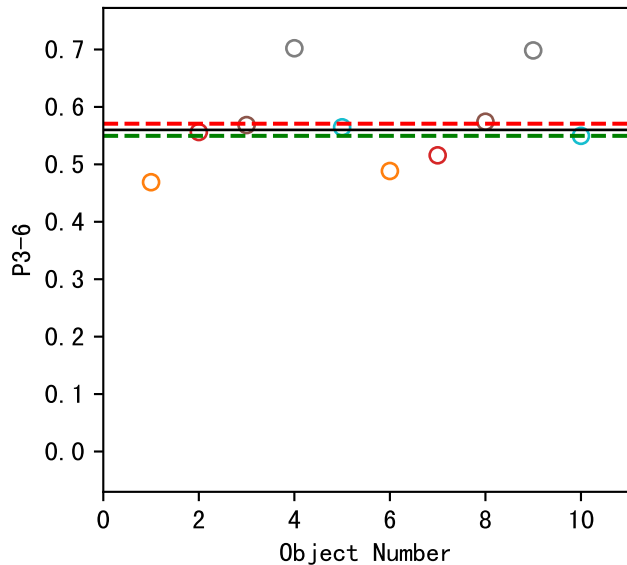


P3-6avg (fit failed)

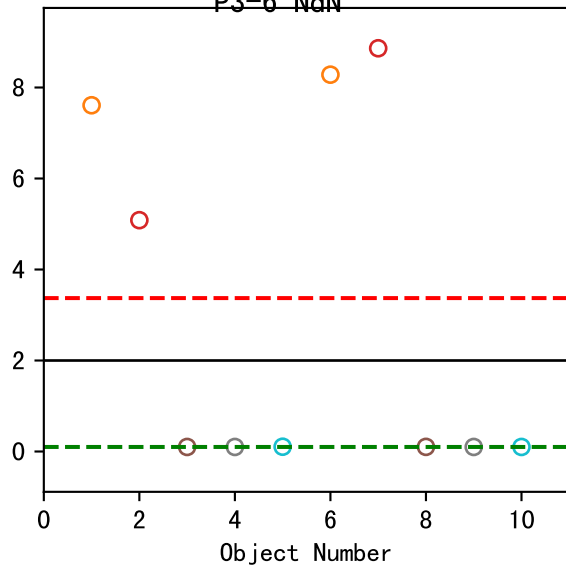
NdN



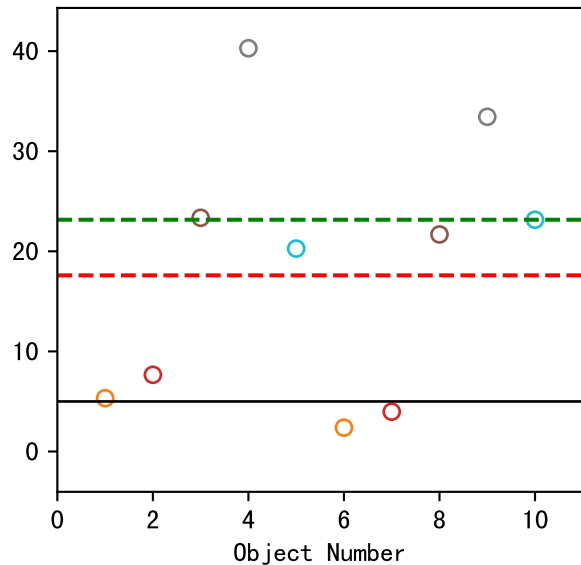
a (Def=0.56 Set=0.55)
avg1=0.57(fail) avg2=0.55



dm (Def=2 Set=0.1)
avg1=3.37(fail) avg2=0.1

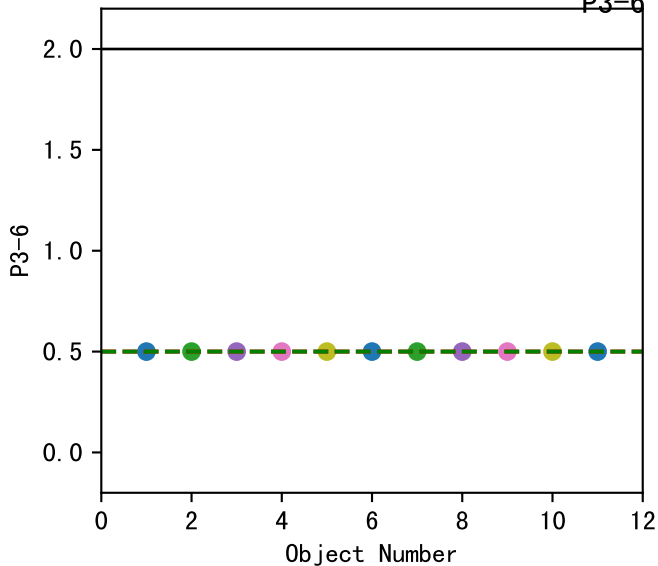


de (Def=5 Set=23.15)
avg1=17.6(fail) avg2=23.15



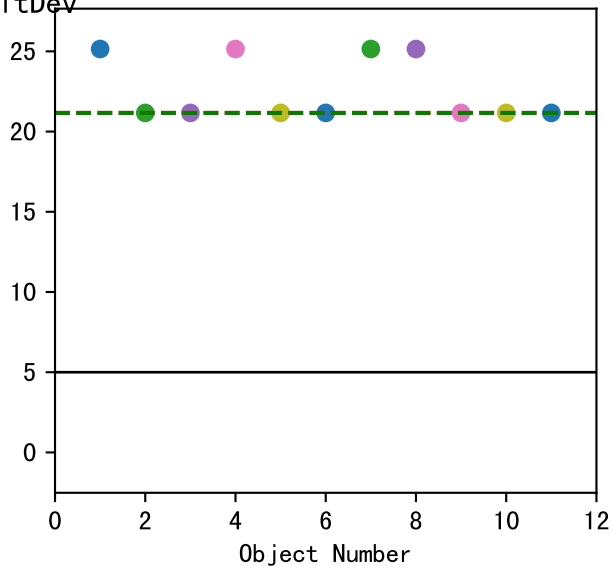
InitDev_dm (Def=2 Set=0.5)
avg1=0.5~0% avg2=0.5

P3-6



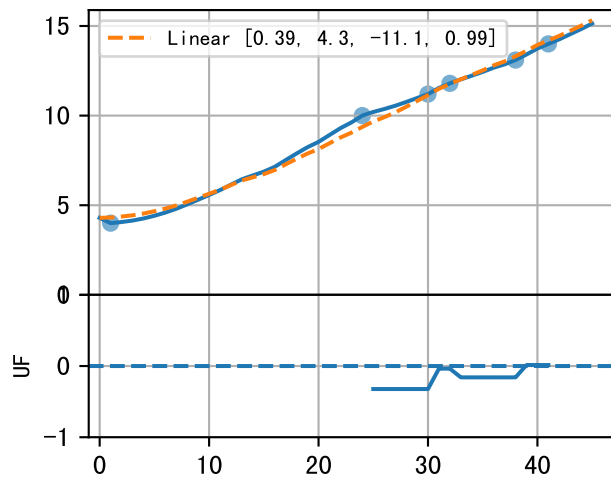
InitDev_de (Def=5 Set=21.16)
avg1=21.16~10% avg2=21.16

InitDev

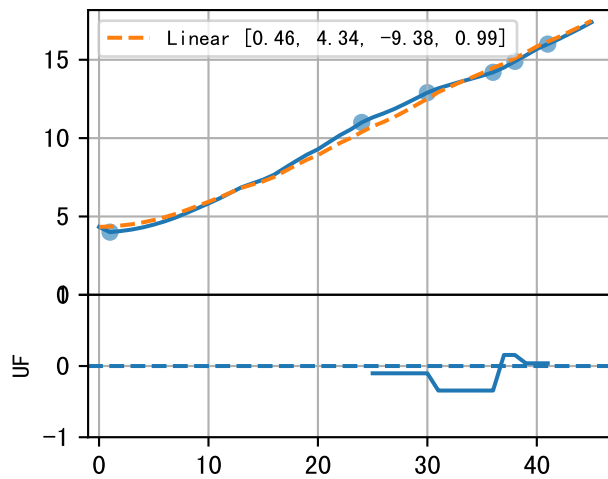


LFN

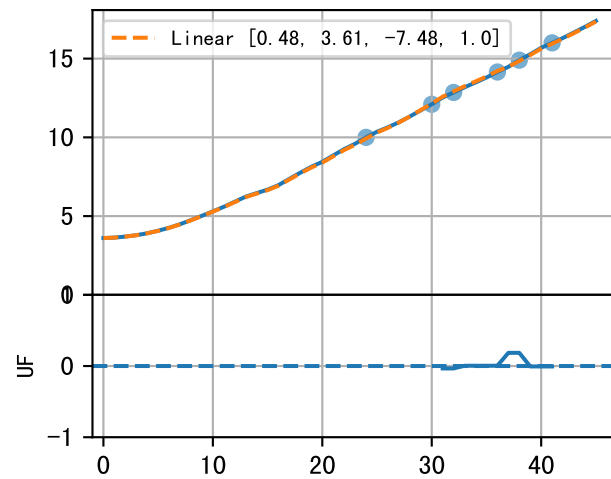
P3-6-003-24



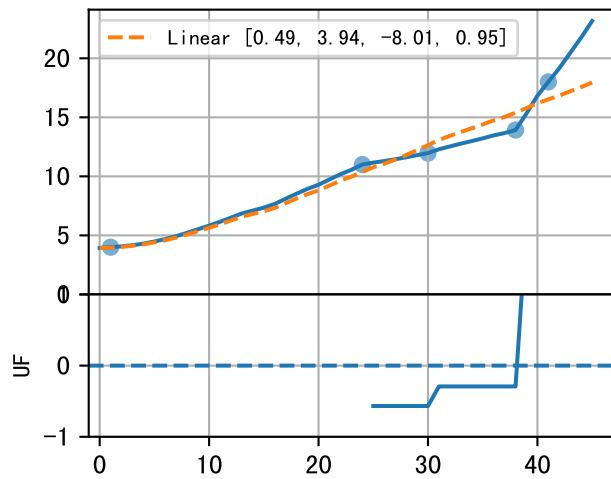
P3-6-007-11



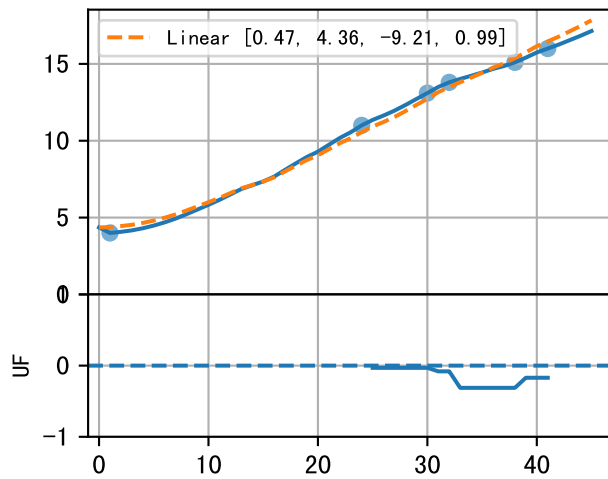
P3-6-011-7



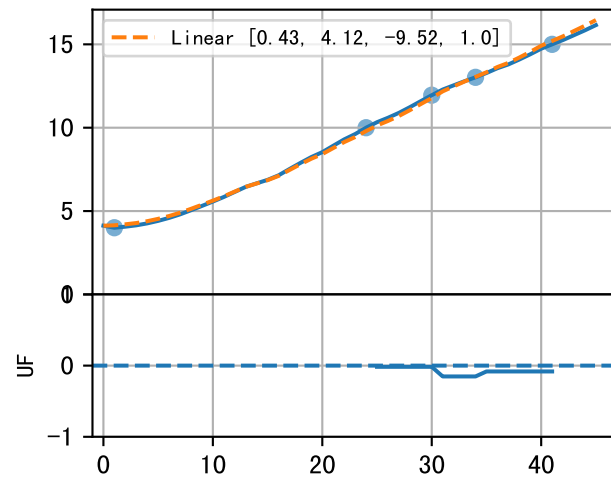
P3-6-015-30



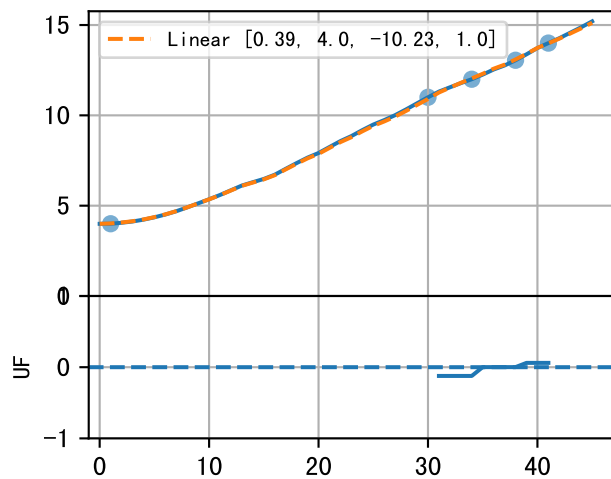
P3-6-019-12



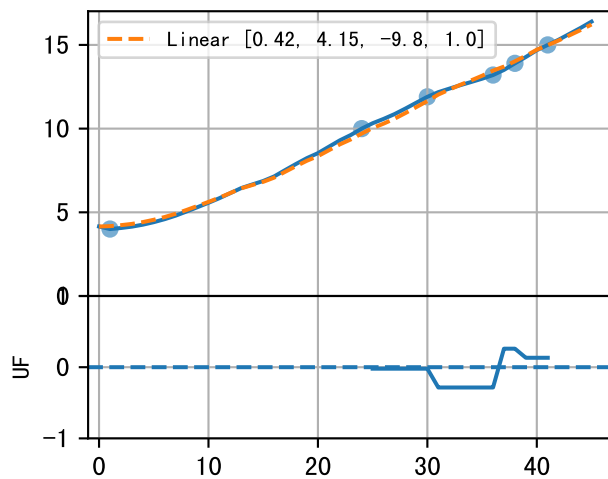
P3-6-024-25



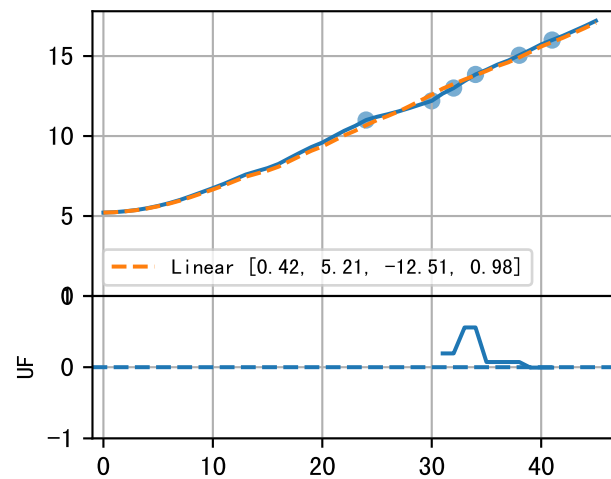
P3-6-028-32



P3-6-033-9

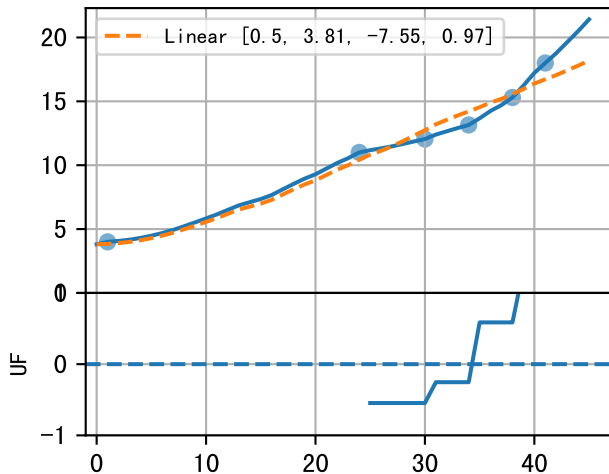


P3-6-038-21



P3-6-042-4

LfN



P3-6avg
Lfn

Linear [0.41, 4.82, -11.73, 0.98]

UF

15

10

5

0

0

-1

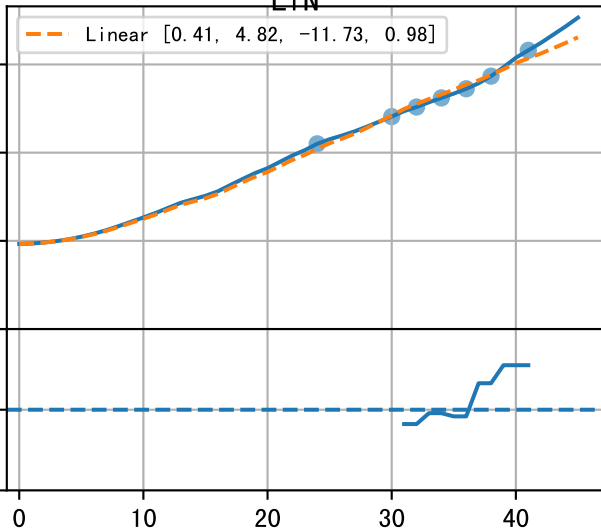
0

10

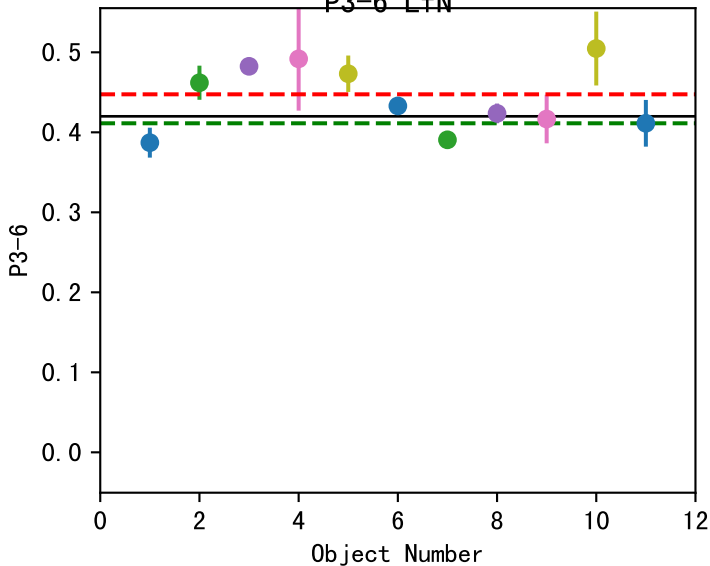
20

30

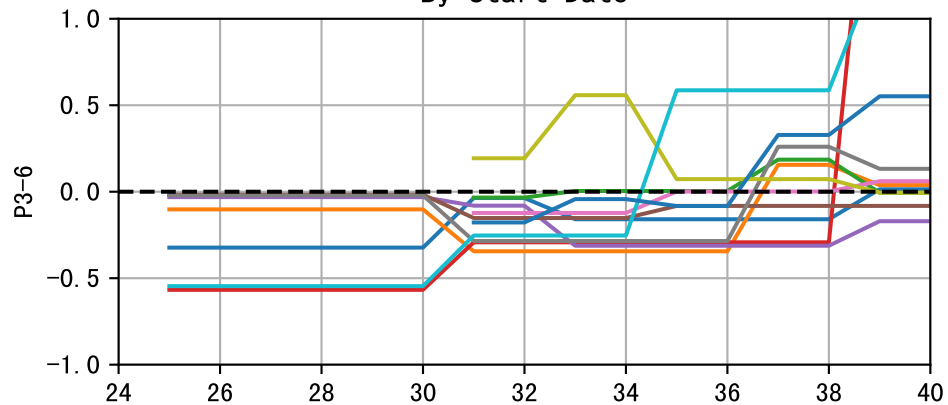
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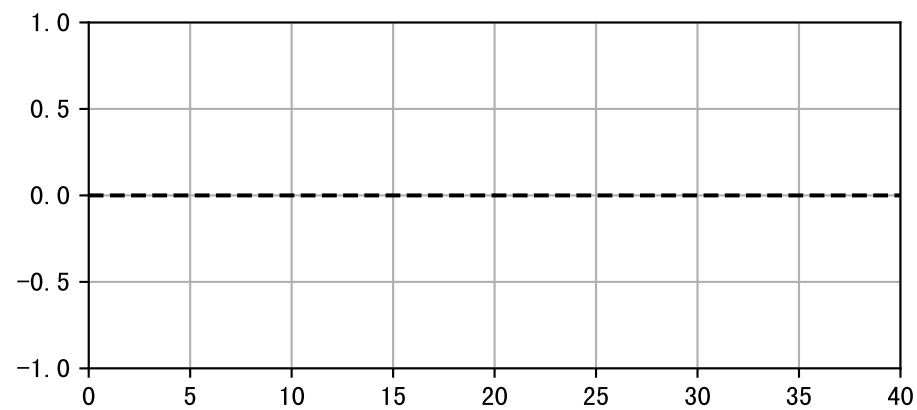
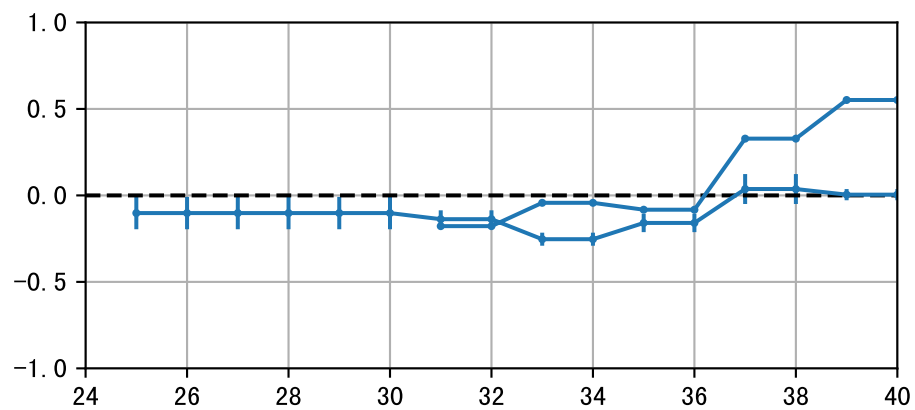
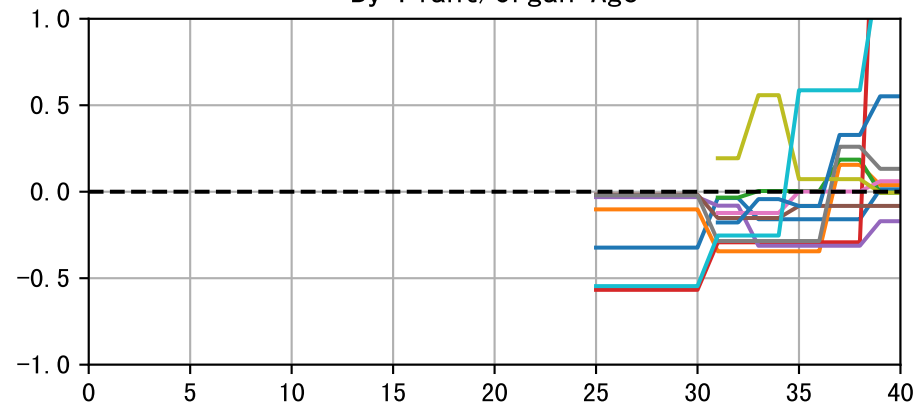
a (Def=0.42 Set=0.41)
avg1=0.45 $\sim$ 9% avg2=0.41 $\sim$ 22%
P3-6 LfN



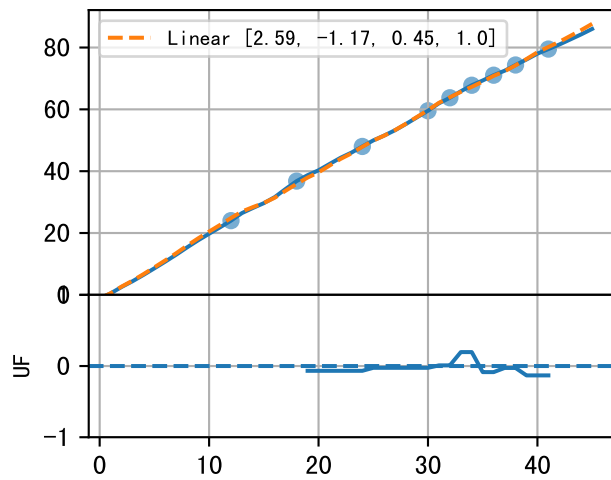
By Start Date



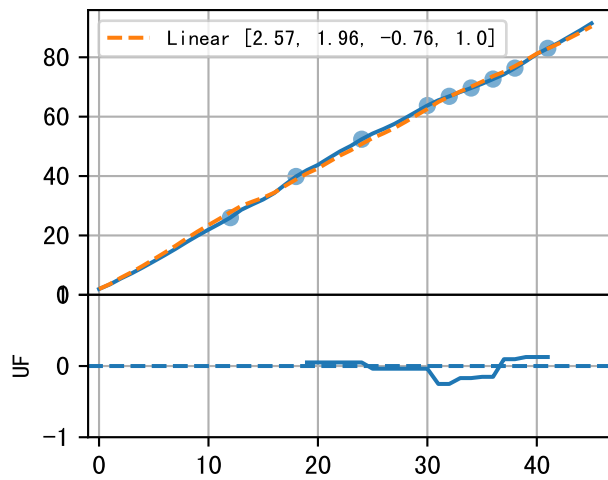
By Plant/Organ Age



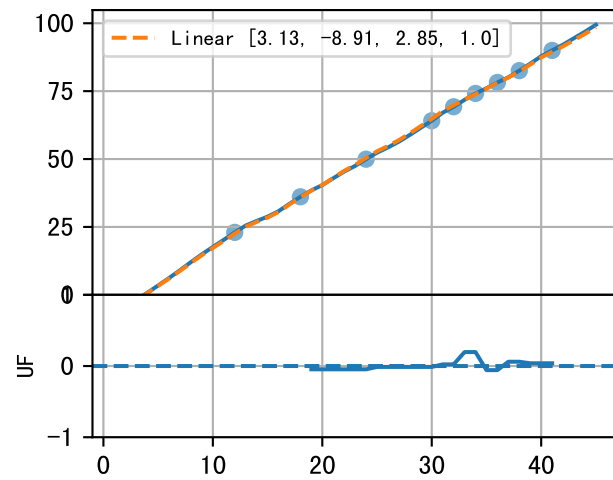
P3-6-003-24



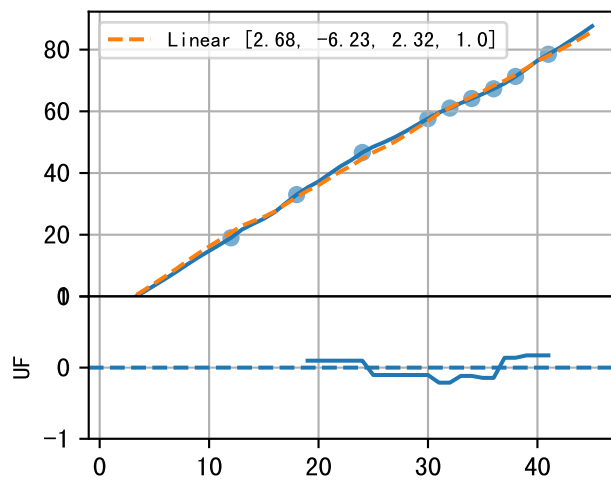
P3-6-007-11



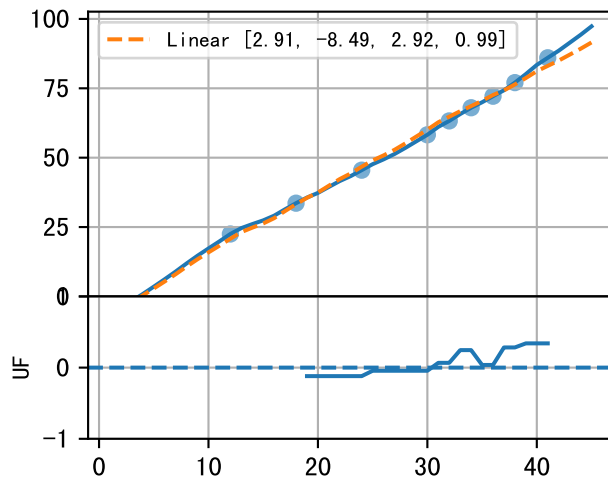
P3-6-011-7



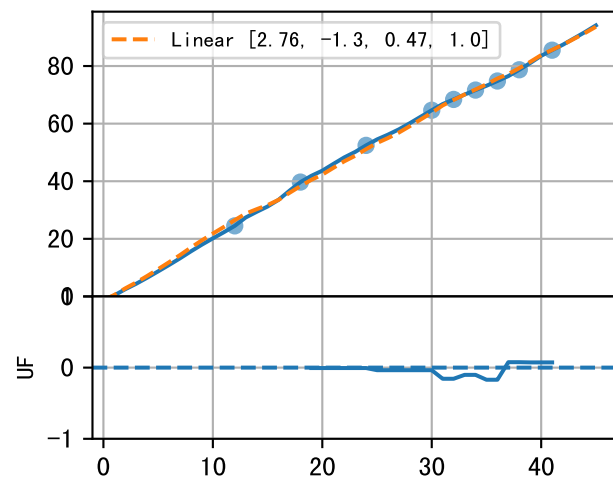
P3-6-015-30



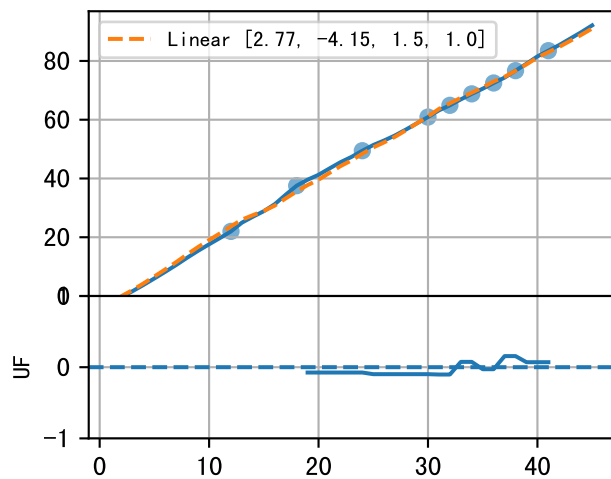
P3-6-019-12



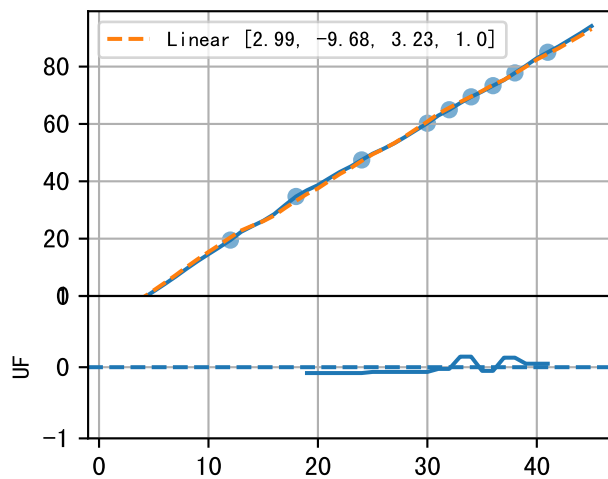
P3-6-024-25



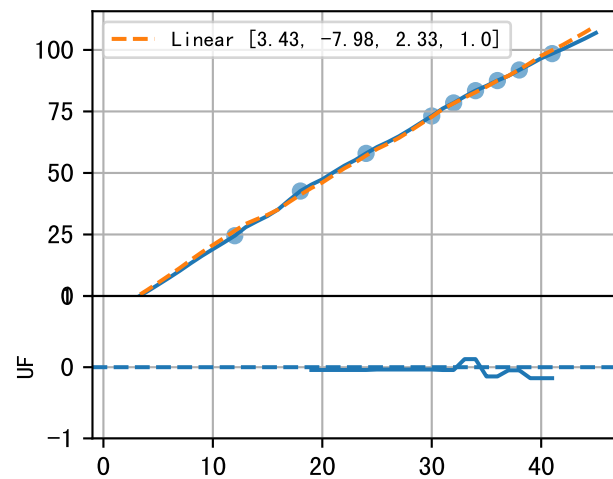
P3-6-028-32



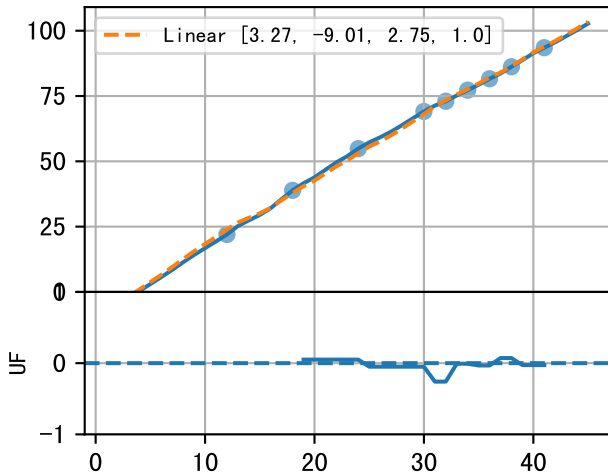
P3-6-033-9



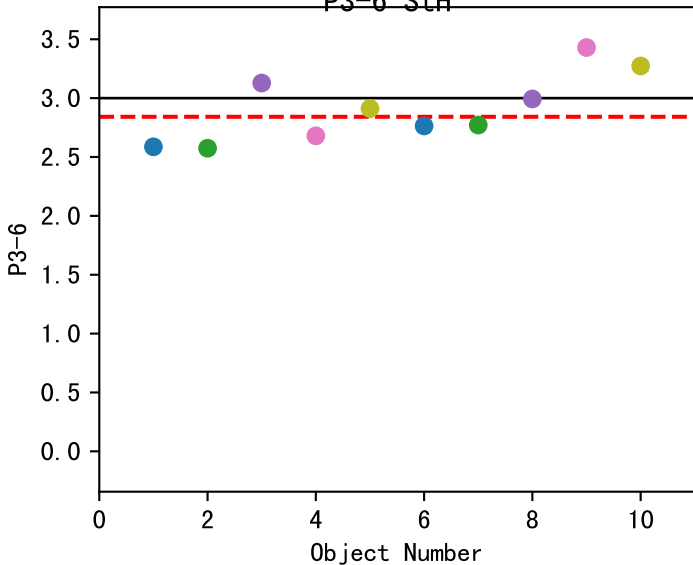
P3-6-038-21



P3-6-042-4

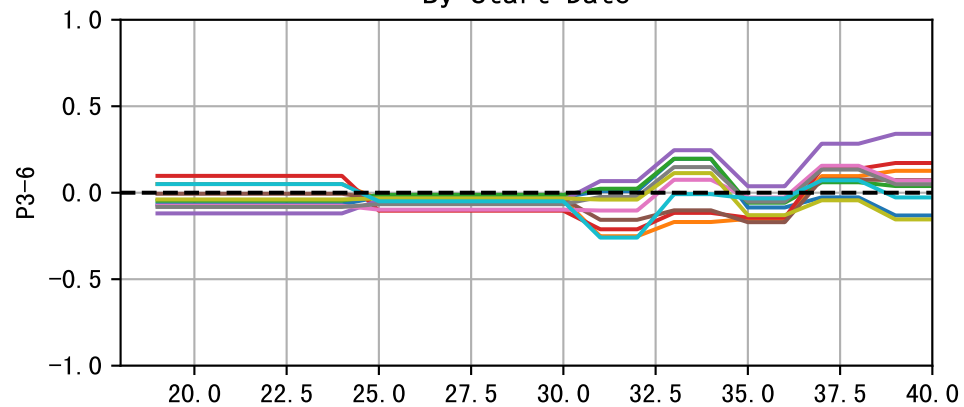


a (Def=3 Set=2.84)
avg1=2.84~10% avg2=na
P3-6 StH

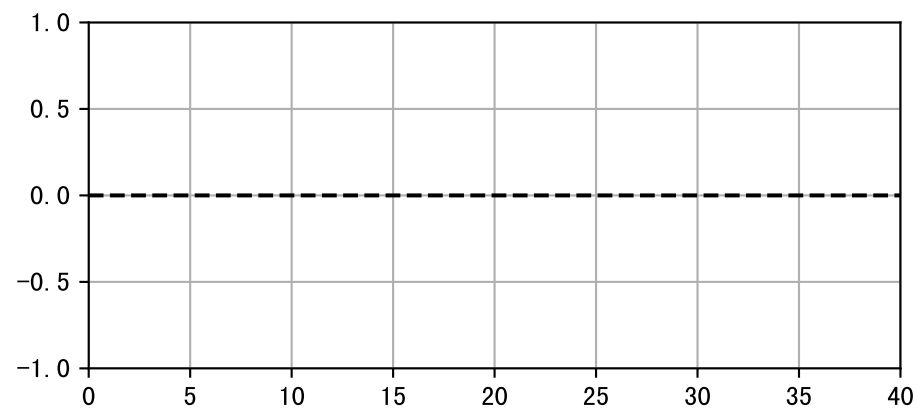
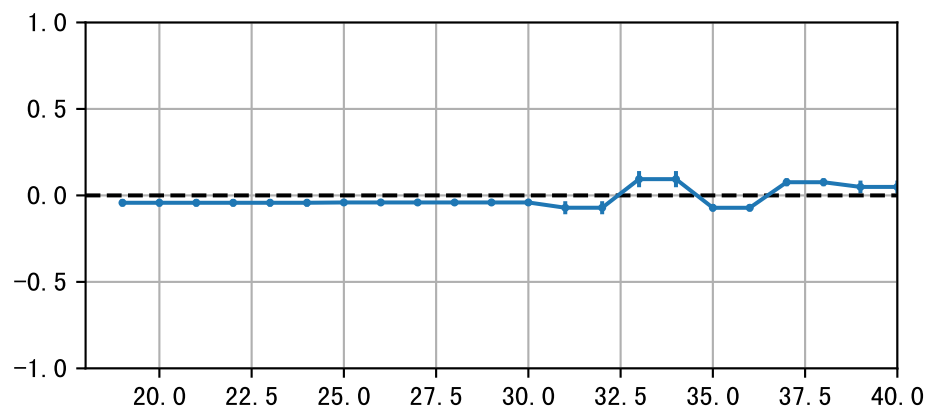
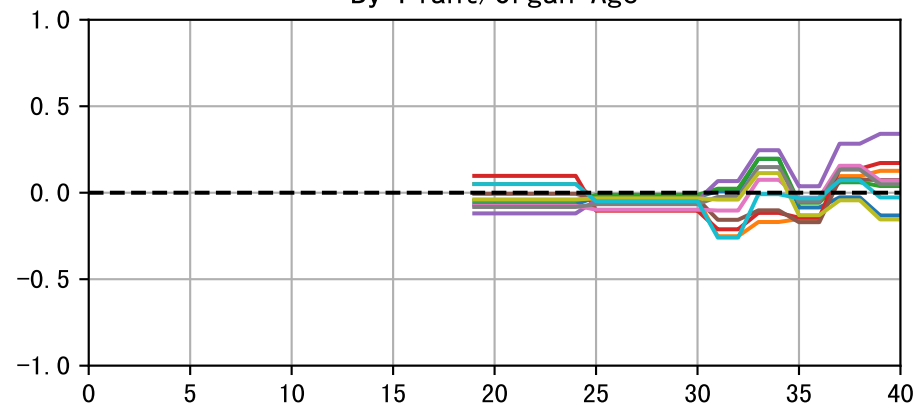


StH

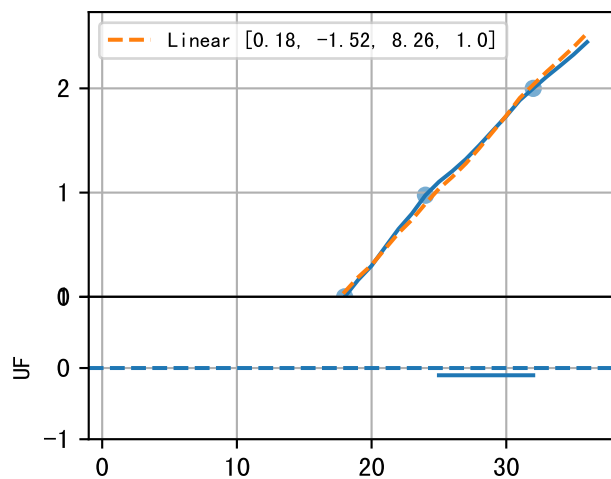
By Start Date



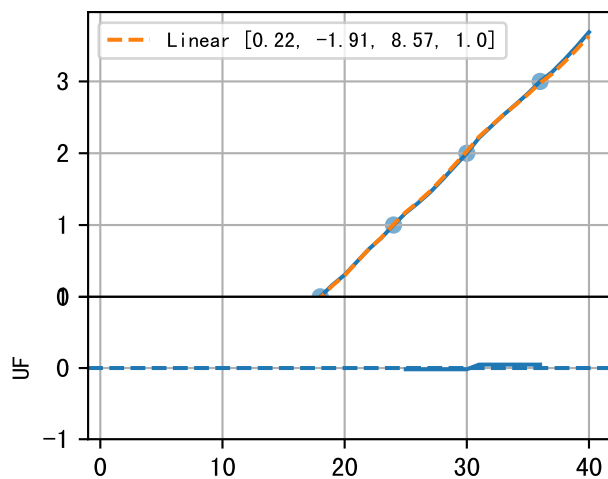
By Plant/Organ Age



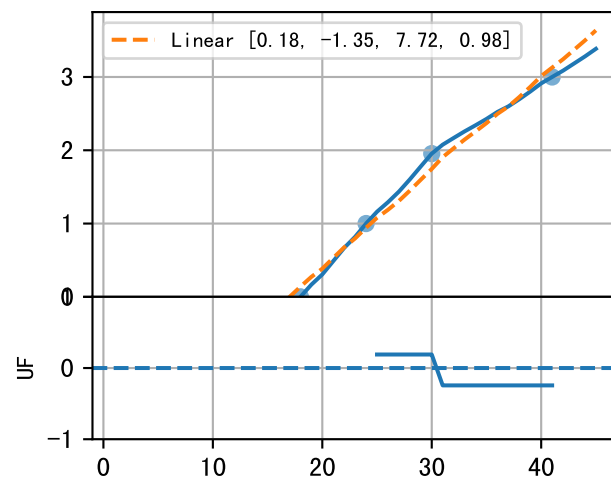
P3-6-003-24



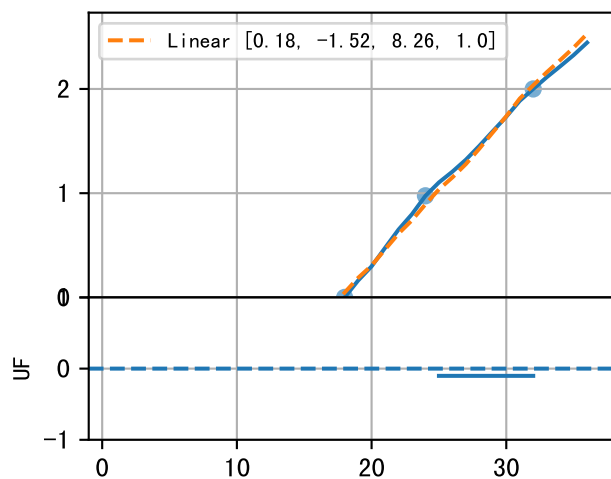
P3-6-007-11



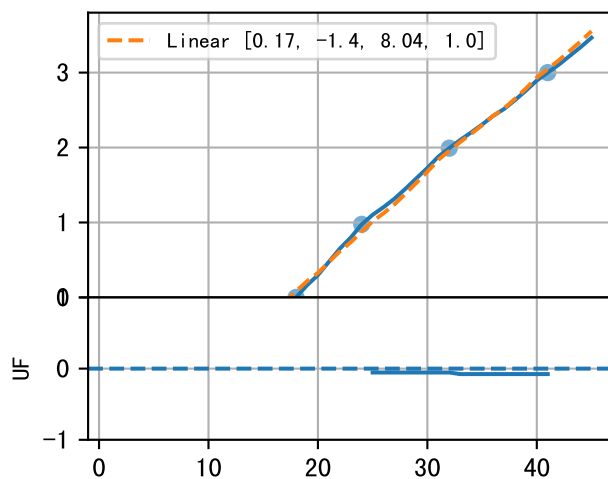
P3-6-011-7



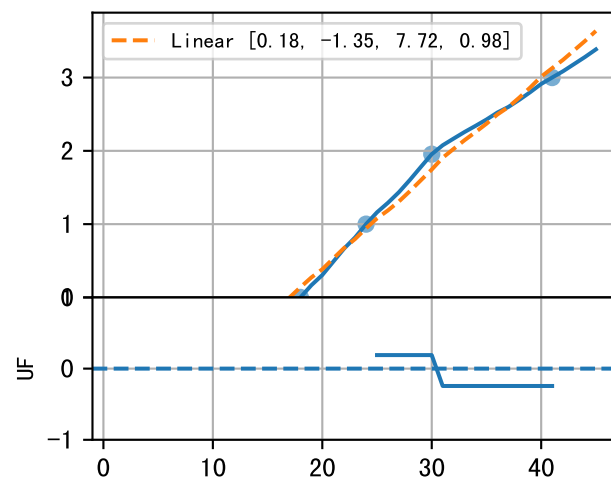
P3-6-015-30



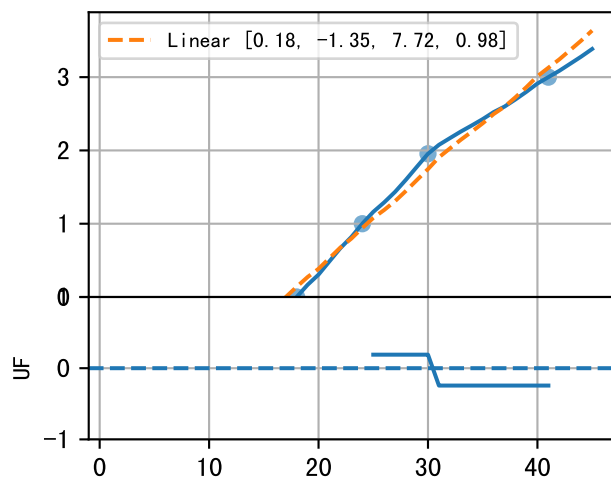
P3-6-019-12



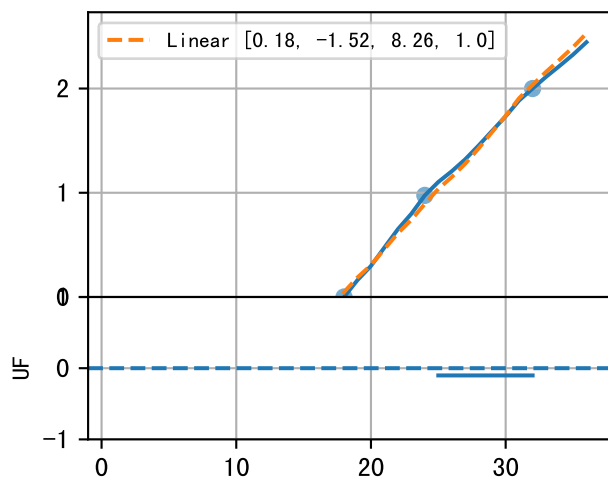
P3-6-024-25



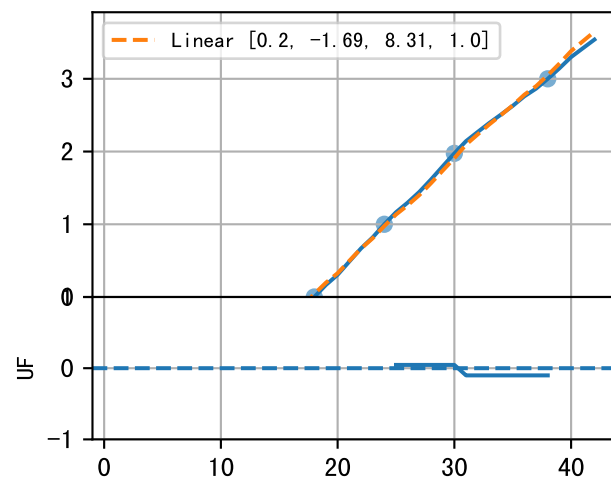
P3-6-028-32



P3-6-033-9

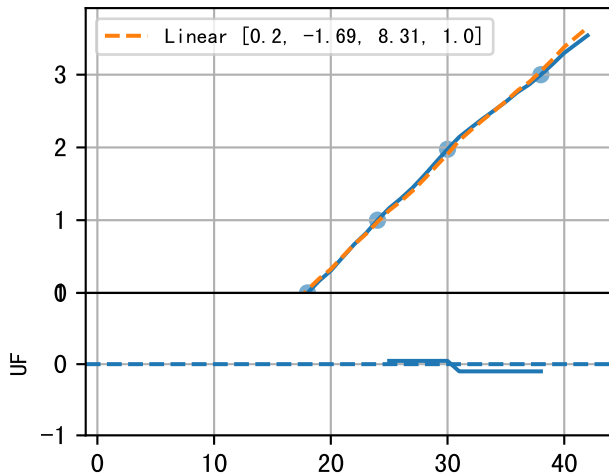


P3-6-038-21



P3-6-042-4

TsN



P3-6avg
T_{SN}

Linear [0.16, -1.07, 6.52, 0.99]

UF

3
2
1
0
0
-1

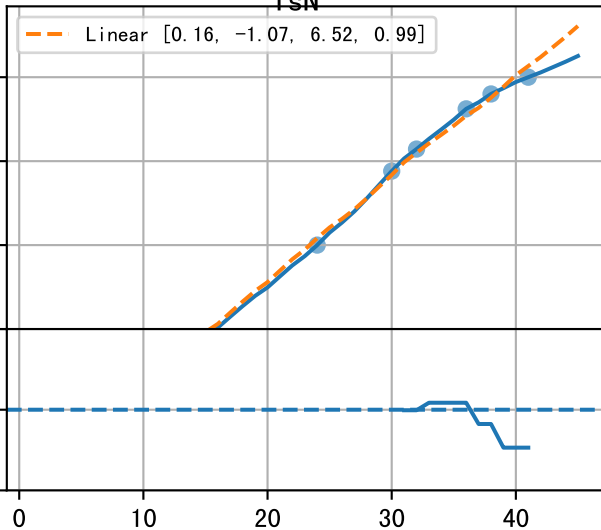
0

10

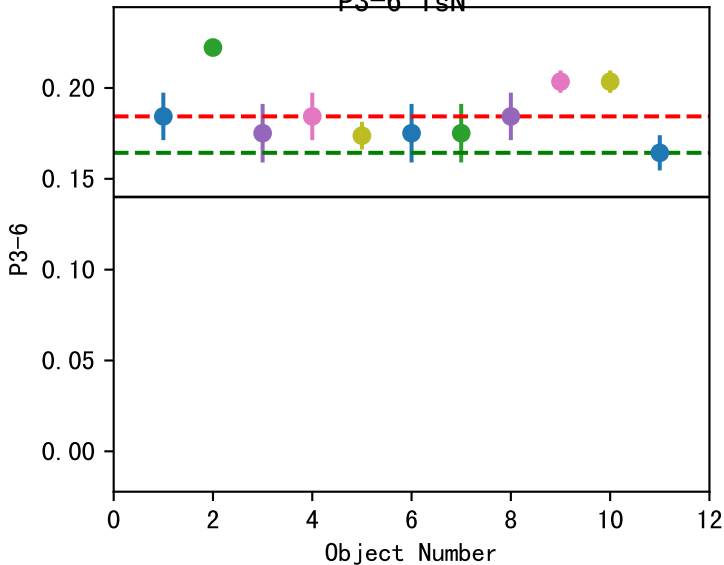
20

30

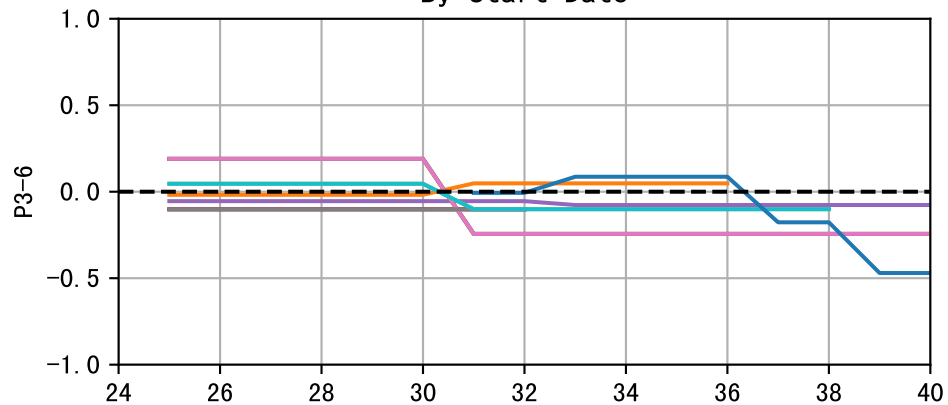
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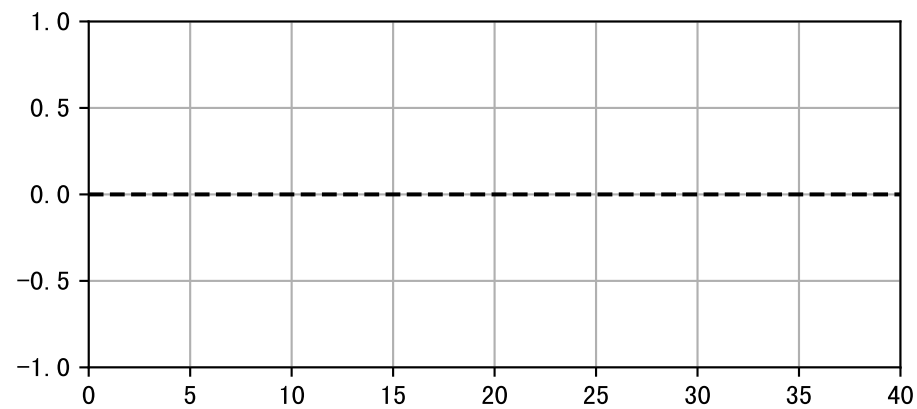
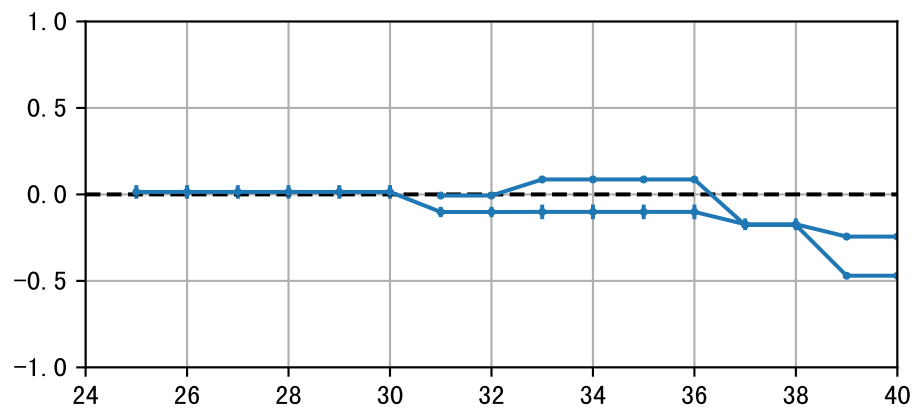
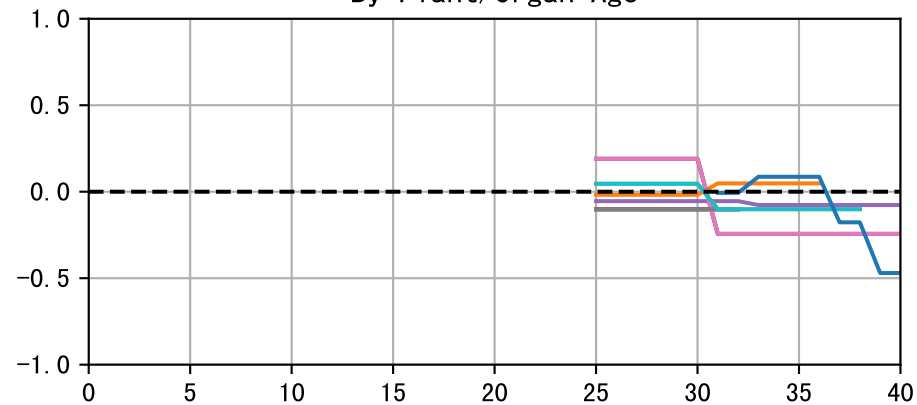
a (Def=0.14 Set=0.16)
avg1=0.18 $\sim$ 9% avg2=0.16 $\sim$ 17%
P3-6 TSN



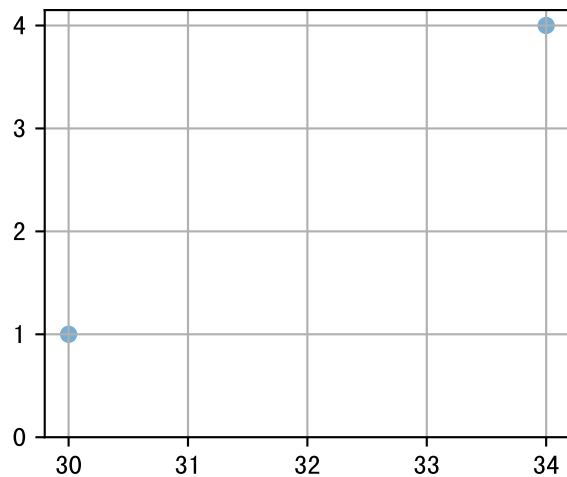
By Start Date



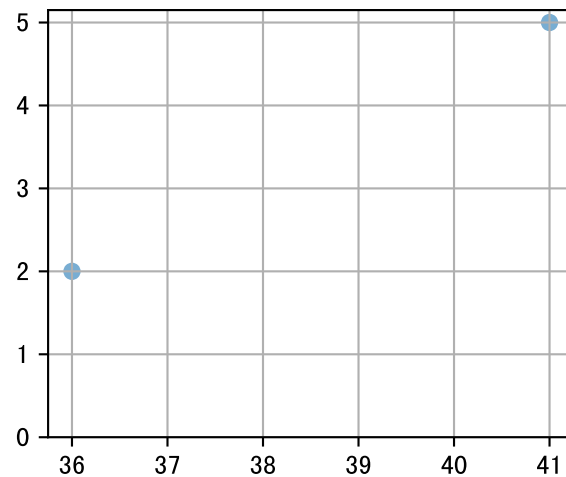
By Plant/Organ Age



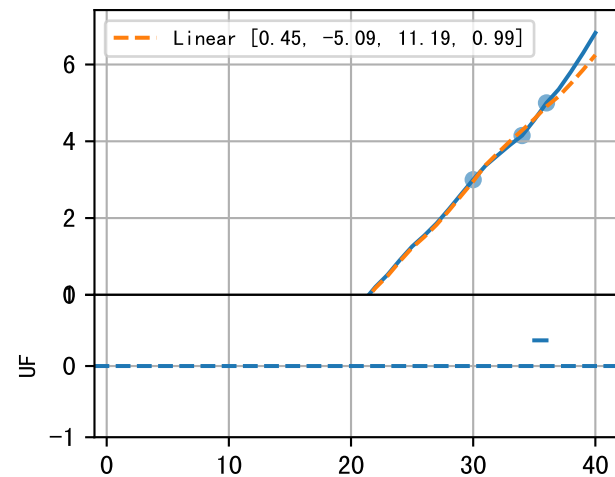
P3-6-003-24T1 (fit failed)



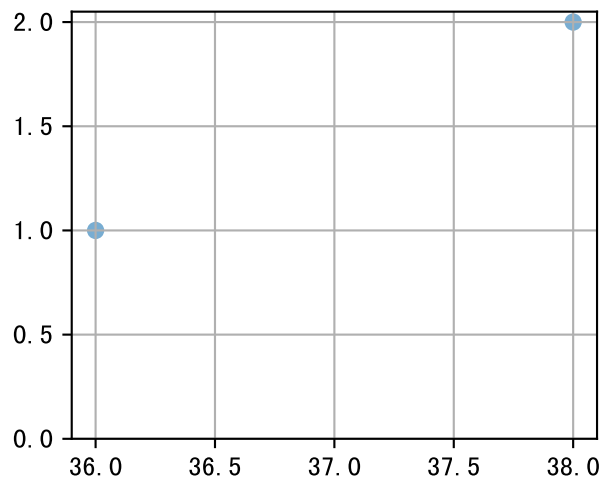
P3-6-007-11T2 (fit failed)



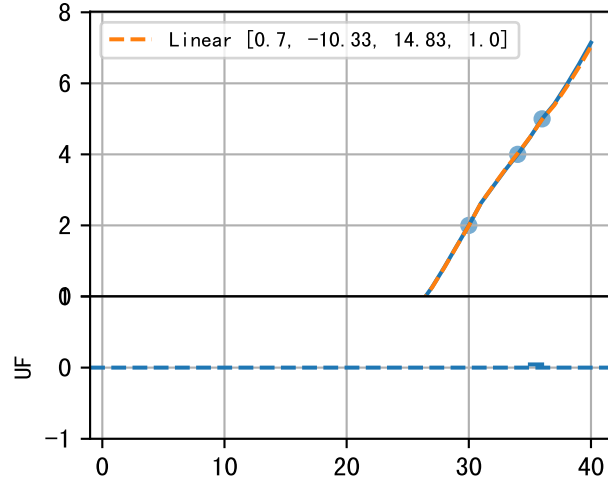
P3-6-011-7T1



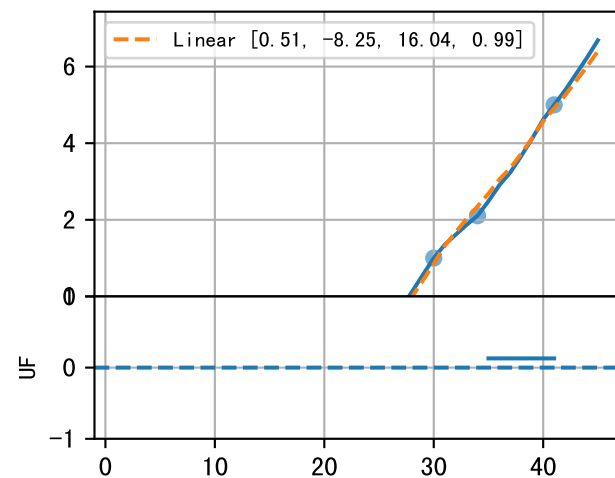
P3-6-011-7T2 (fit failed)



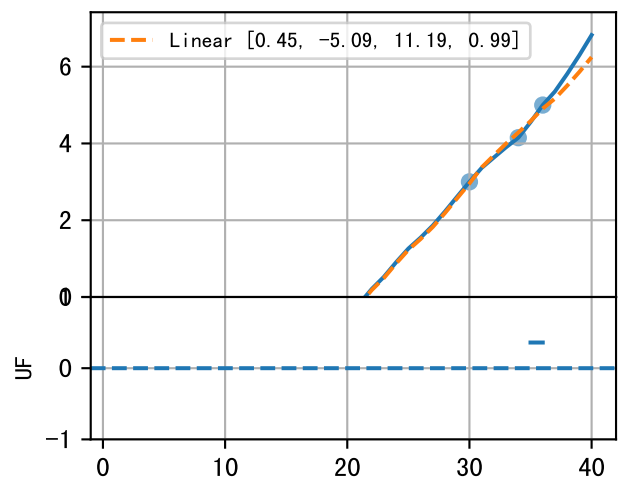
P3-6-015-30T1



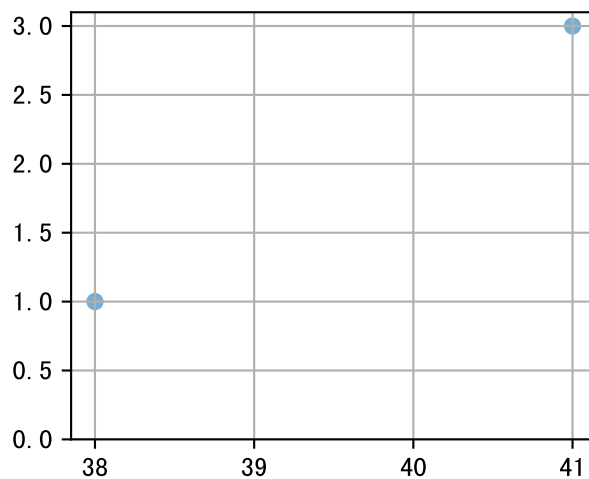
P3-6-019-12T1



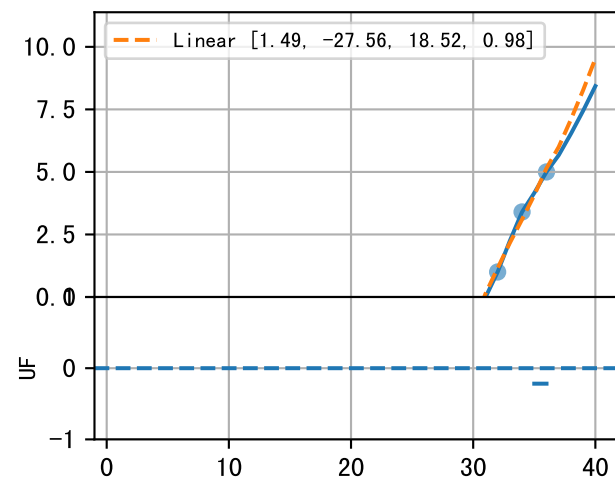
P3-6-024-25T1



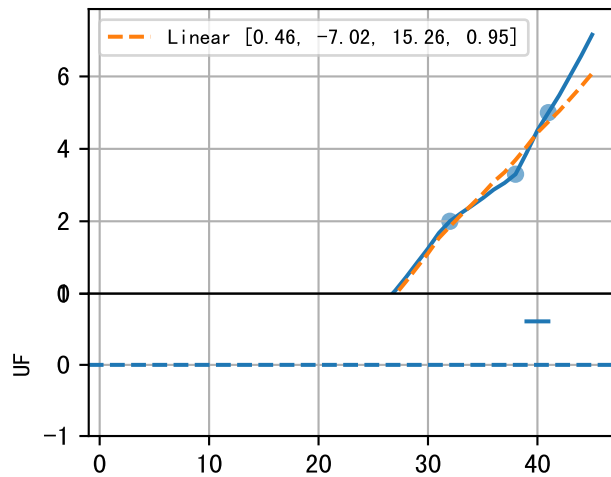
P3-6-024-25T2 (fit failed)



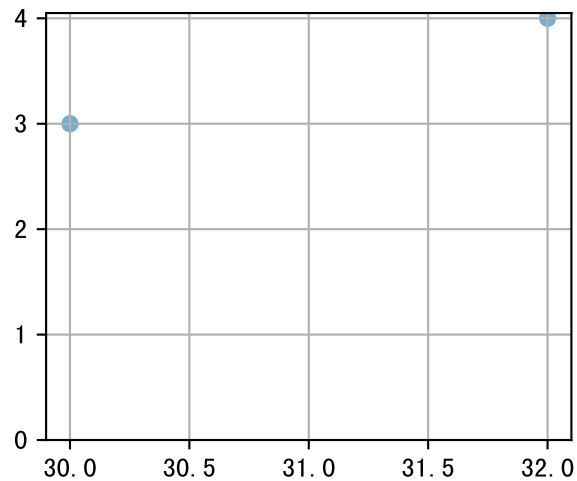
P3-6-028-32T1



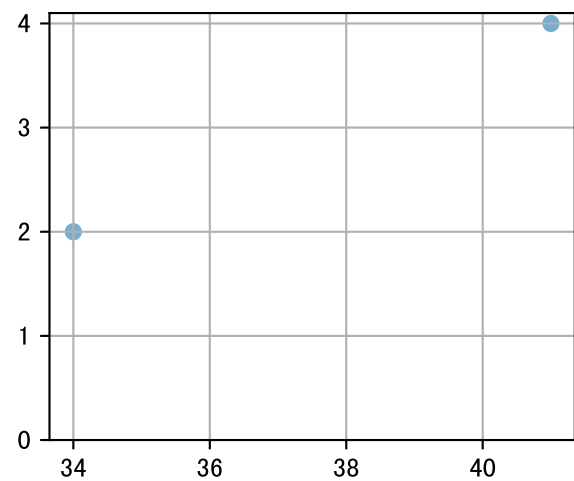
P3-6-033-9T1



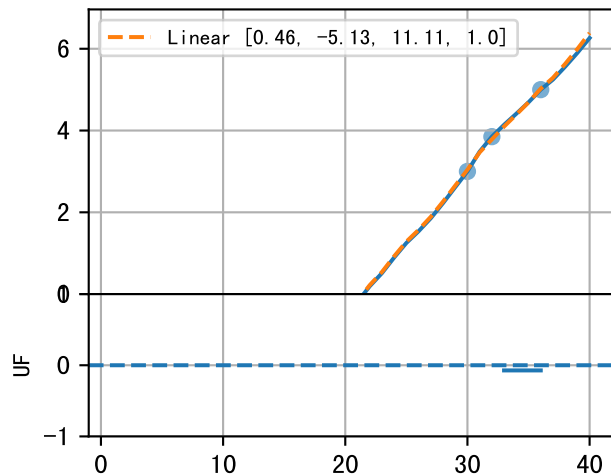
P3-6-038-21T1 (fit failed)



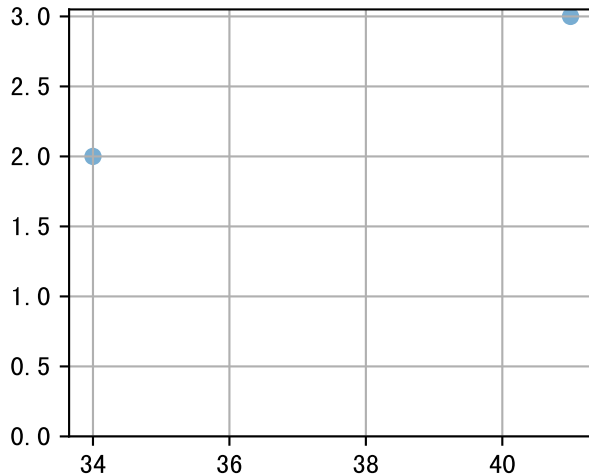
P3-6-038-21T2 (fit failed)



P3-6-042-4T1



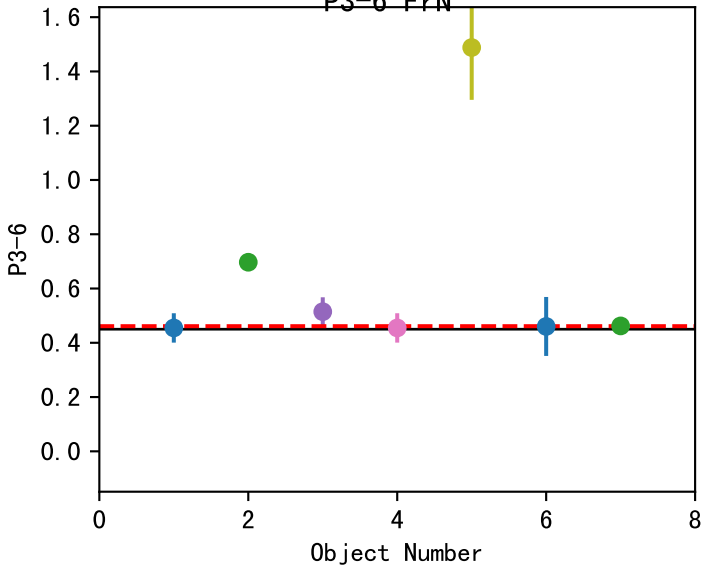
P3-6-042-4T2 (fit failed)



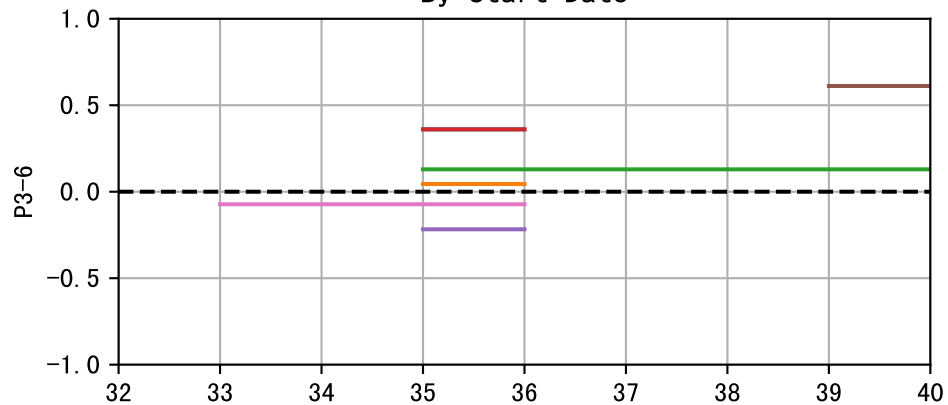
a (Def=0.45 Set=0.46)

avg1=0.46^{+0.21%} avg2=na

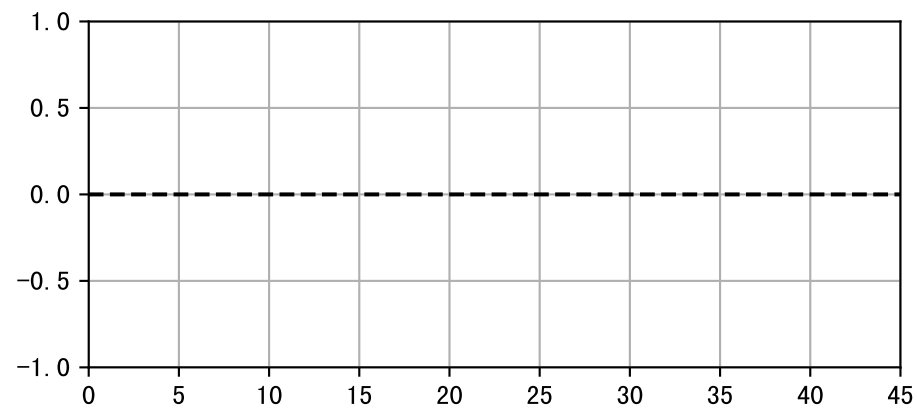
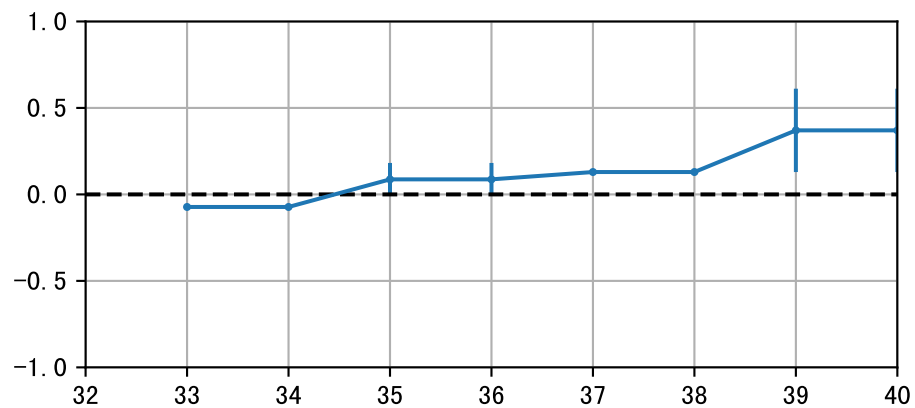
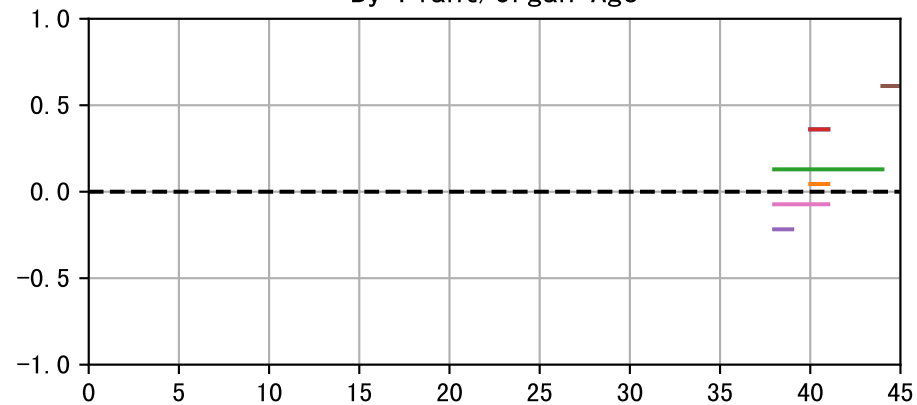
P3-6 FrN



By Start Date

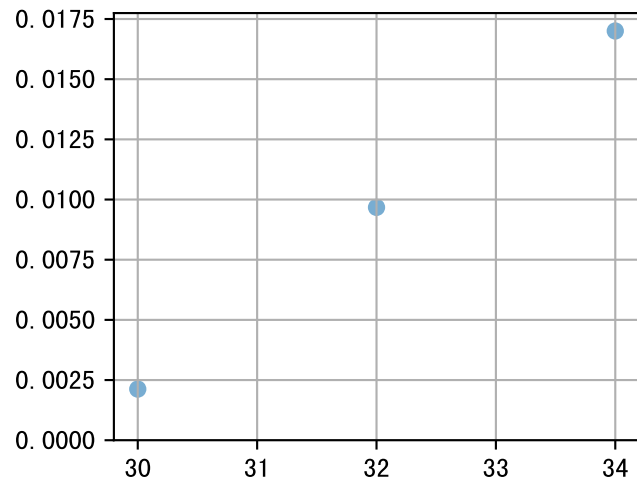


By Plant/Organ Age

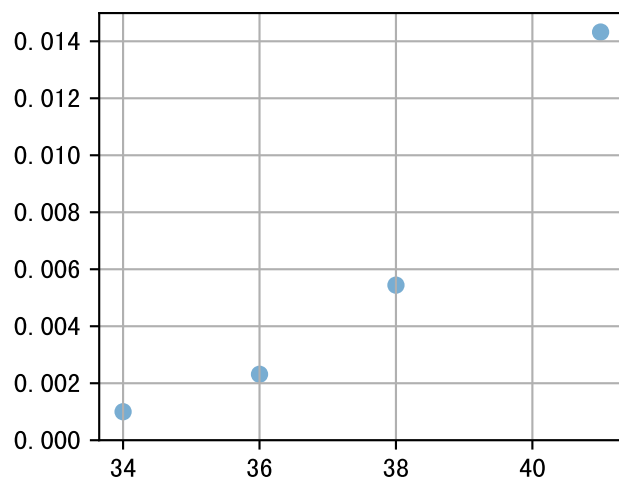


FrV

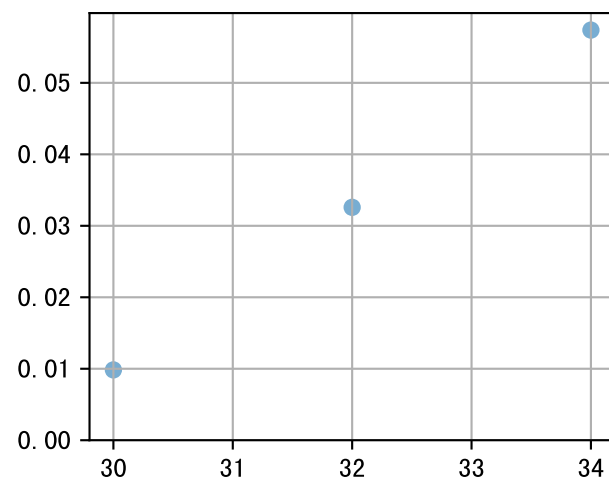
P3-6-003-24T1Fr1 (fit failed)



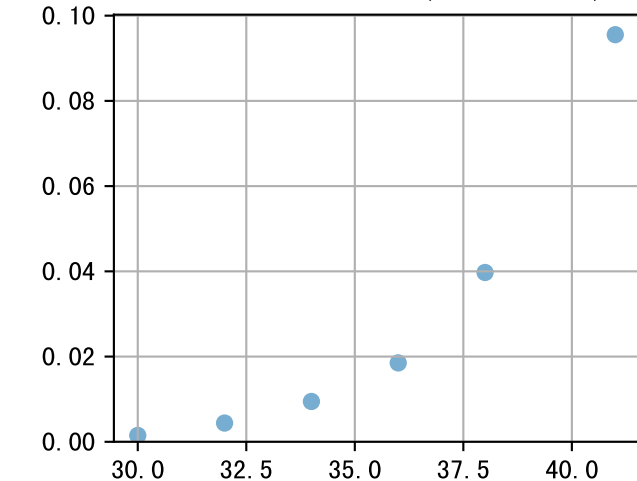
P3-6-003-24T1Fr5 (fit failed)



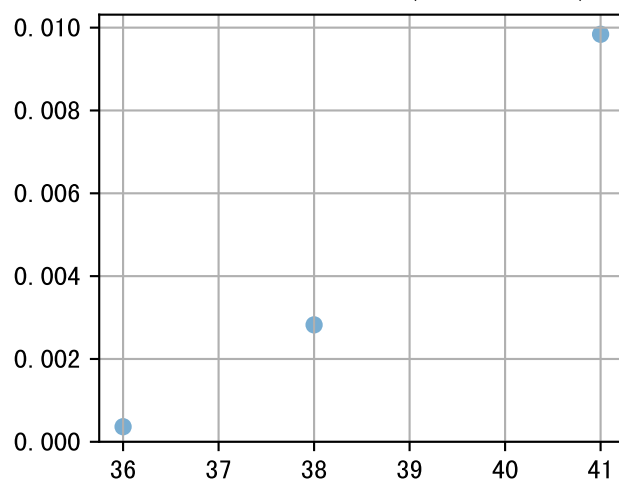
P3-6-007-11T1Fr1 (fit failed)



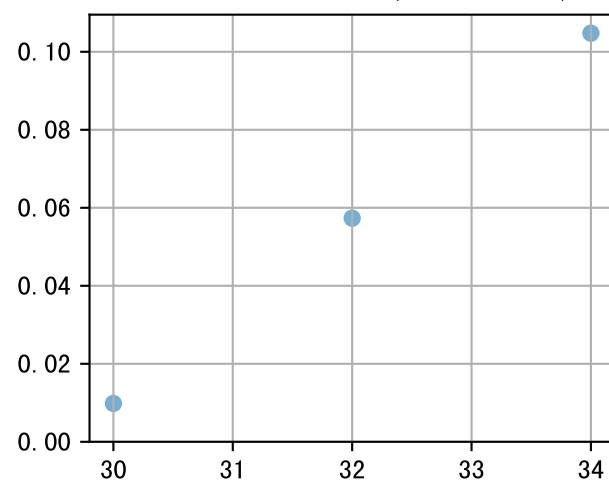
P3-6-007-11T1Fr5 (fit failed)



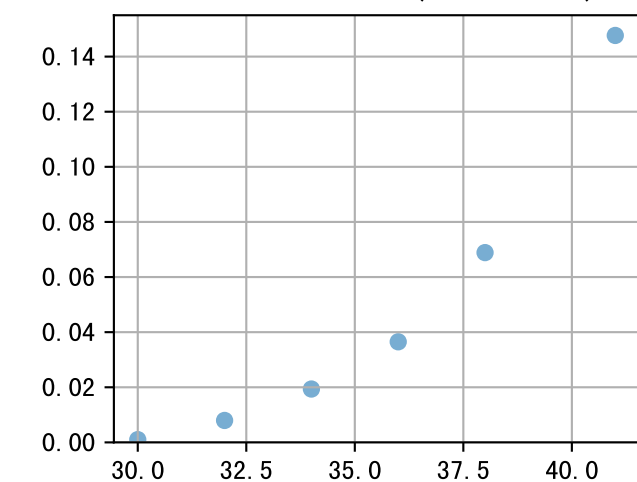
P3-6-007-11T2Fr1 (fit failed)



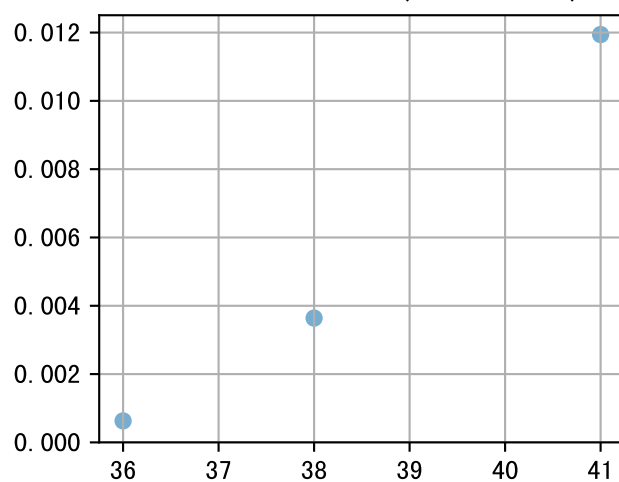
P3-6-011-7T1Fr1 (fit failed)



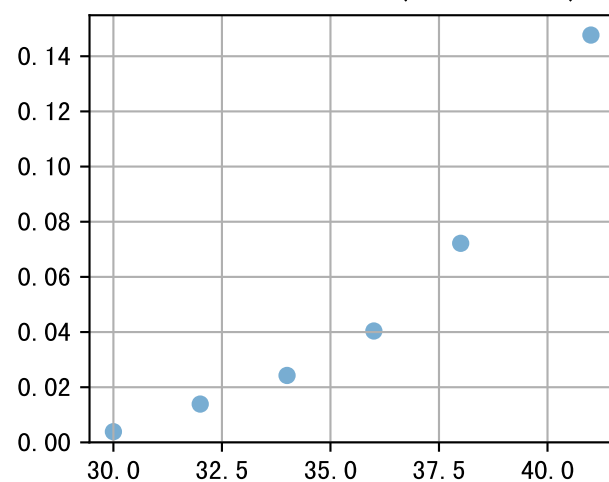
P3-6-011-7T1Fr5 (fit failed)



P3-6-011-7T2Fr1 (fit failed)

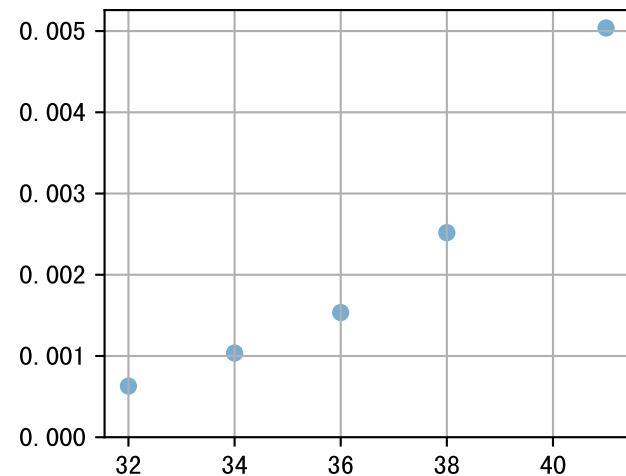


P3-6-015-30T1Fr1 (fit failed)

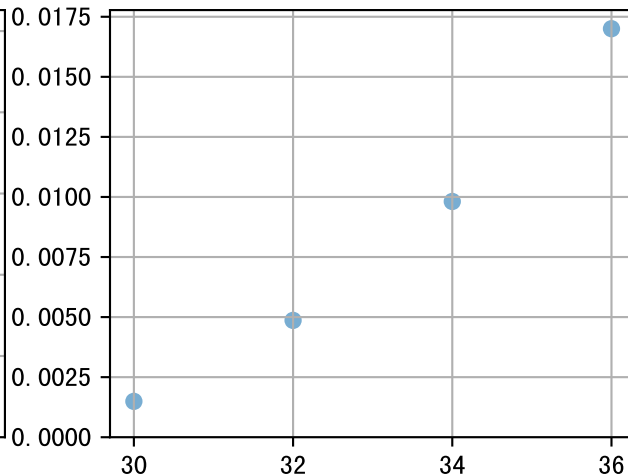


FrY

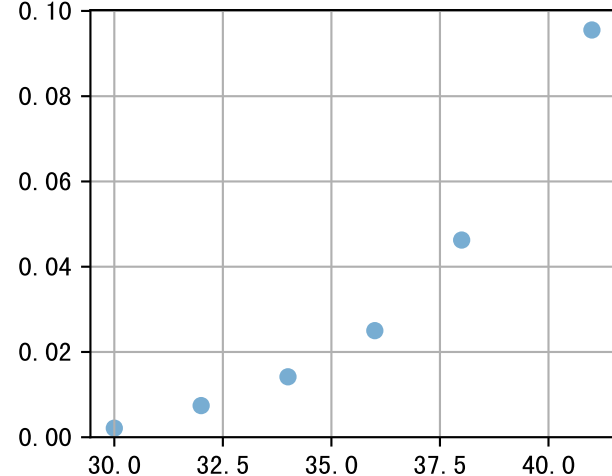
P3-6-015-30T1Fr5 (fit failed)



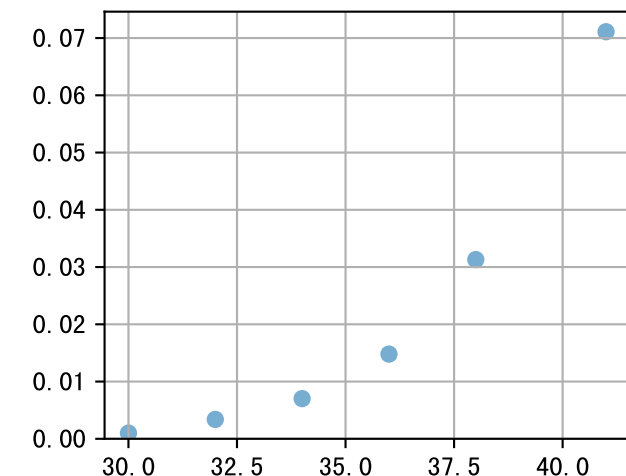
P3-6-019-12T1Fr1 (fit failed)



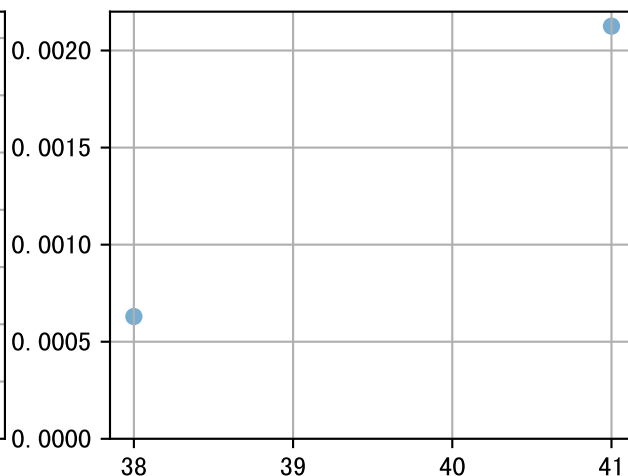
P3-6-024-25T1Fr1 (fit failed)



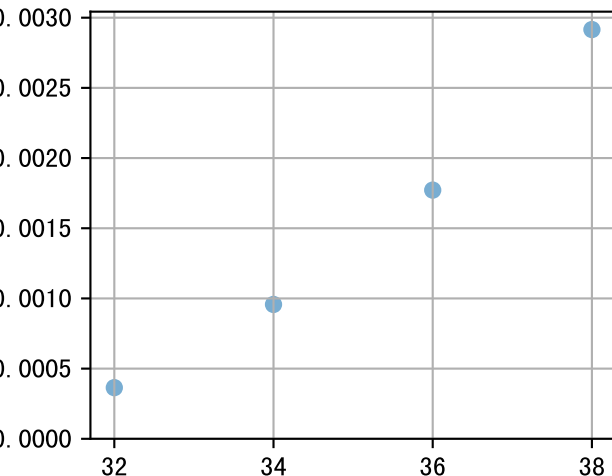
P3-6-024-25T1Fr5 (fit failed)



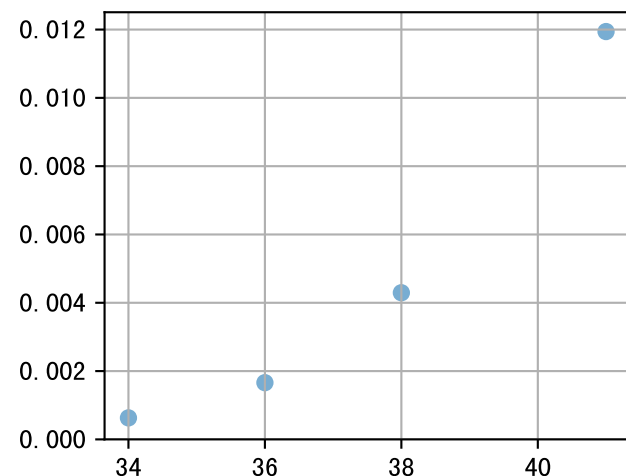
P3-6-024-25T2Fr1 (fit failed)



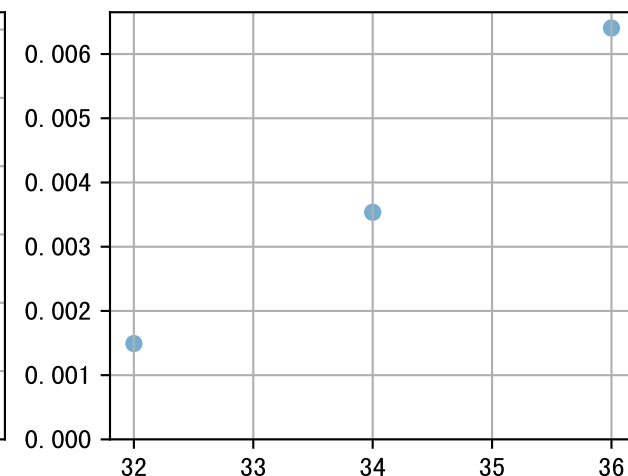
P3-6-028-32T1Fr1 (fit failed)



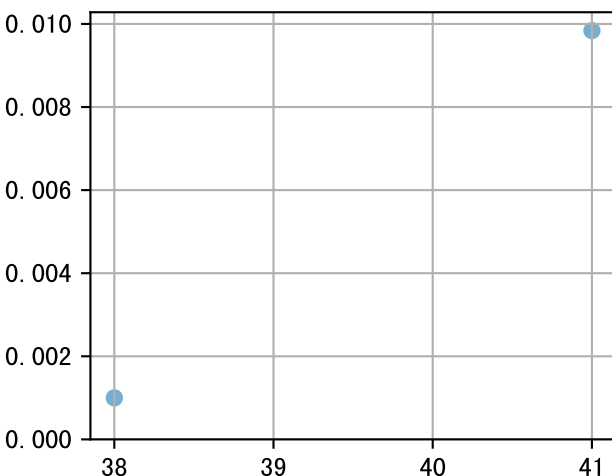
P3-6-028-32T1Fr5 (fit failed)



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

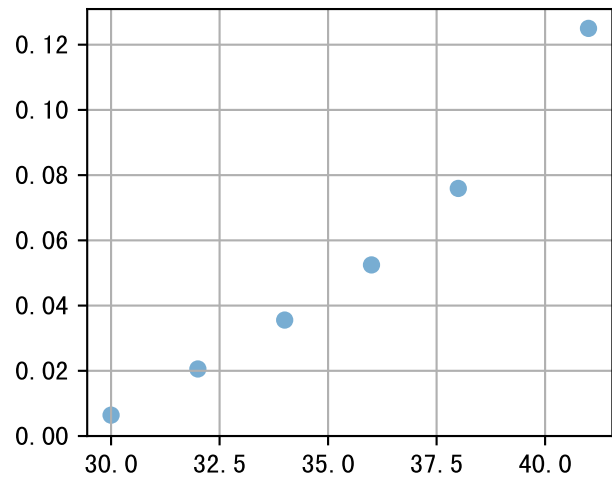


P3-6-033-9T1Fr5 (fit failed)

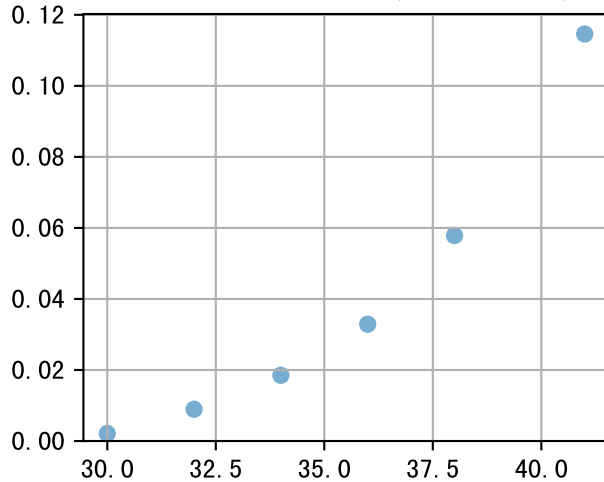


FrV

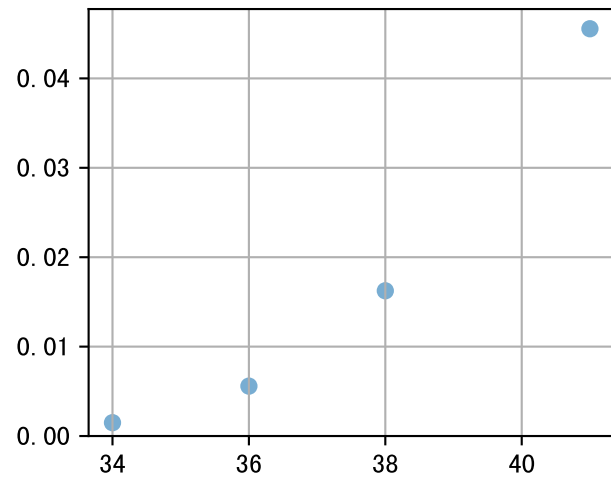
P3-6-038-21T1Fr1 (fit failed)



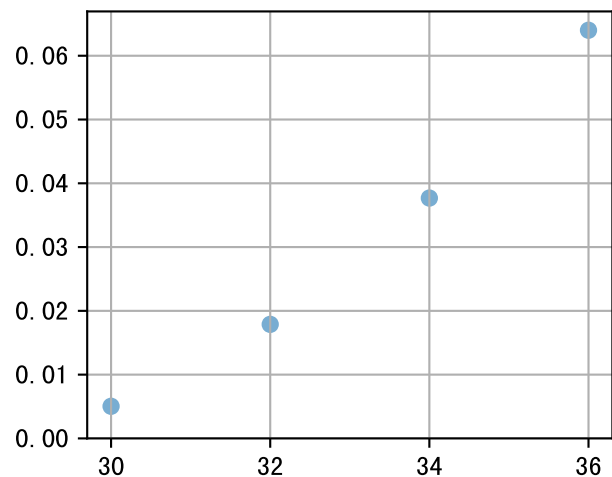
P3-6-038-21T1Fr5 (fit failed)



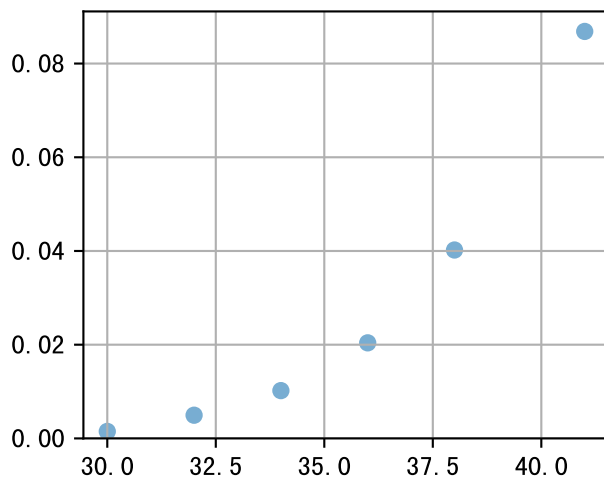
P3-6-038-21T2Fr1 (fit failed)



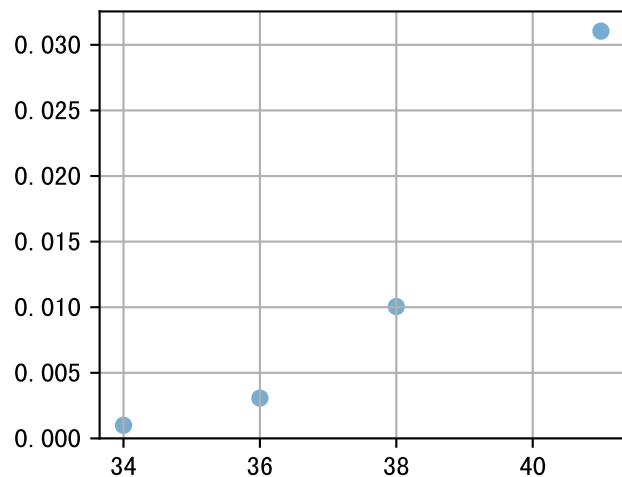
P3-6-042-4T1Fr1 (fit failed)



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

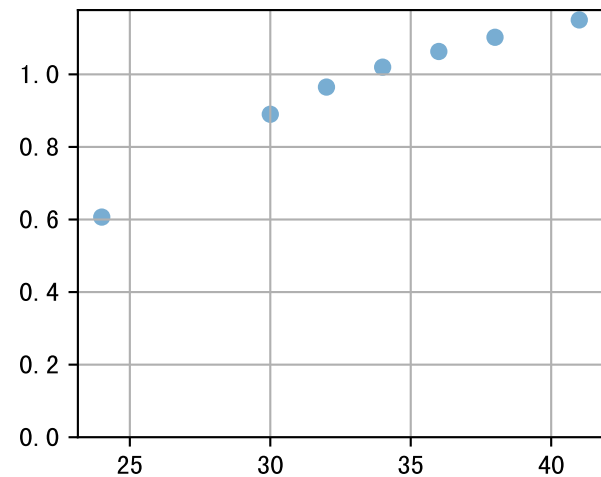


P3-6-042-4T2Fr1 (fit failed)

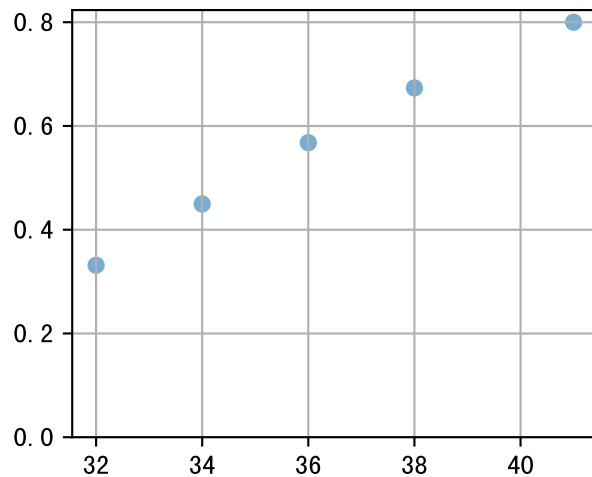


1fA

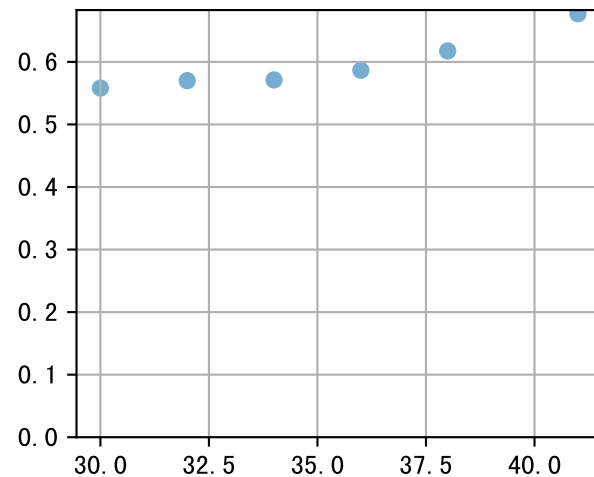
P3-6-003-24L6 (fit failed)



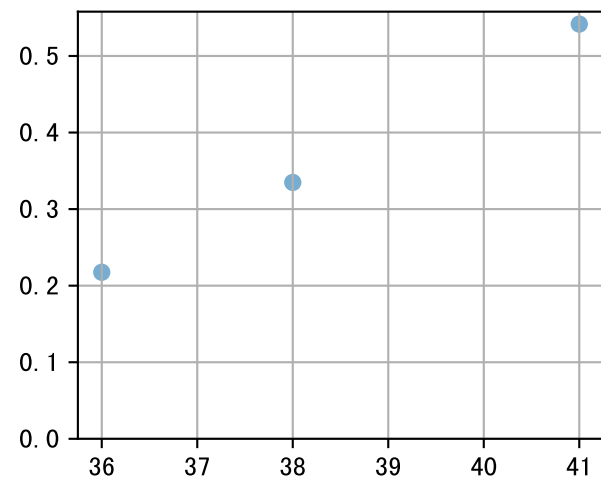
P3-6-003-24L9 (fit failed)



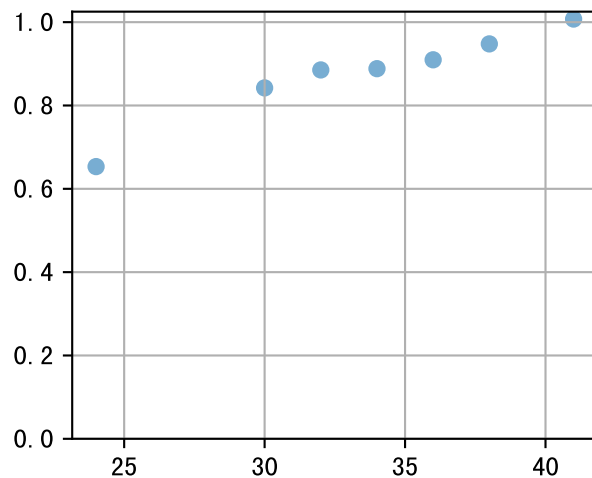
P3-6-007-11L10 (fit failed)



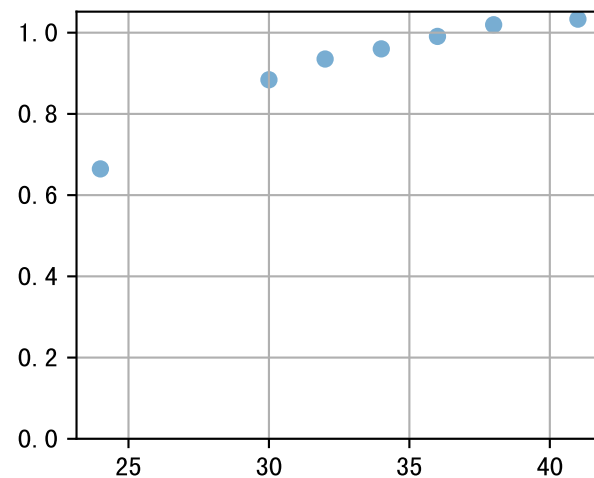
P3-6-007-11L13 (fit failed)



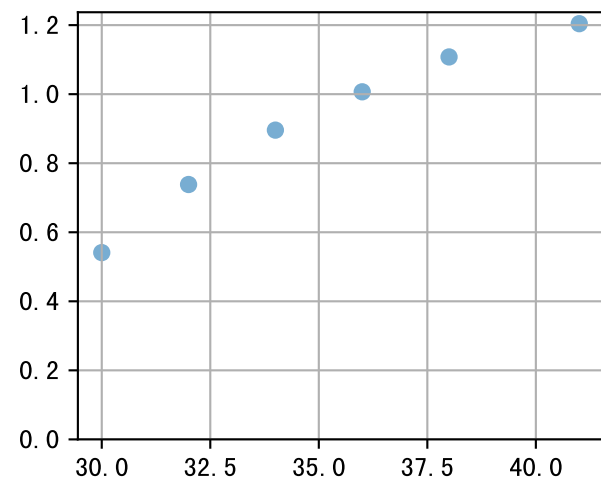
P3-6-007-11L7 (fit failed)



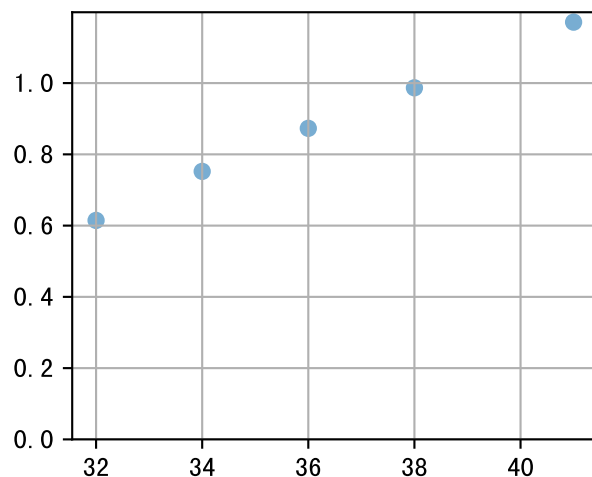
P3-6-011-7L6 (fit failed)



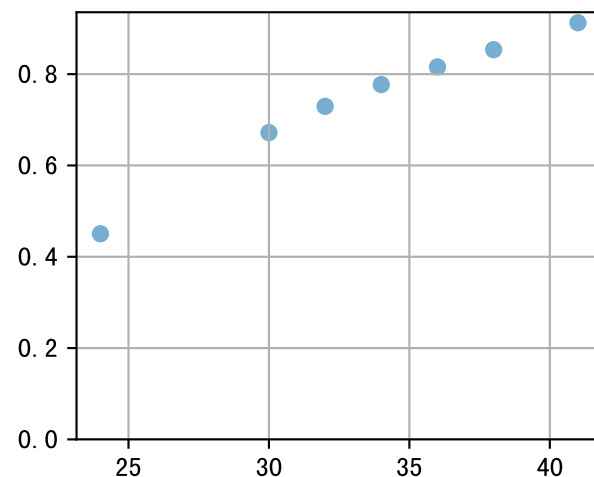
P3-6-011-7L9 (fit failed)



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

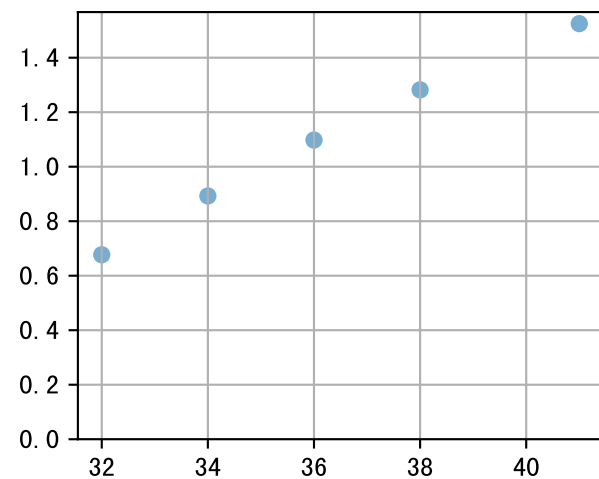


P3-6-015-30L6 (fit failed)

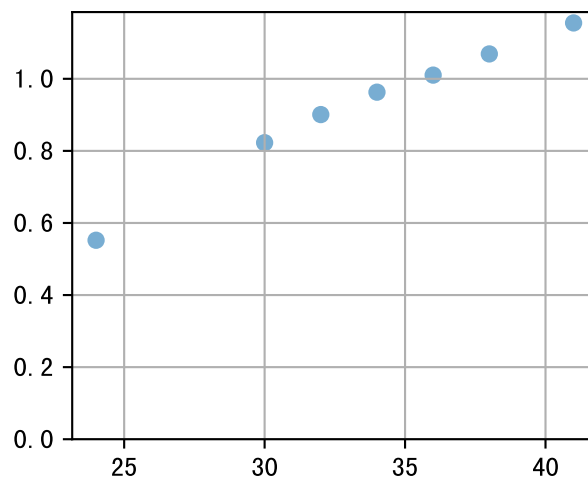


1-fA

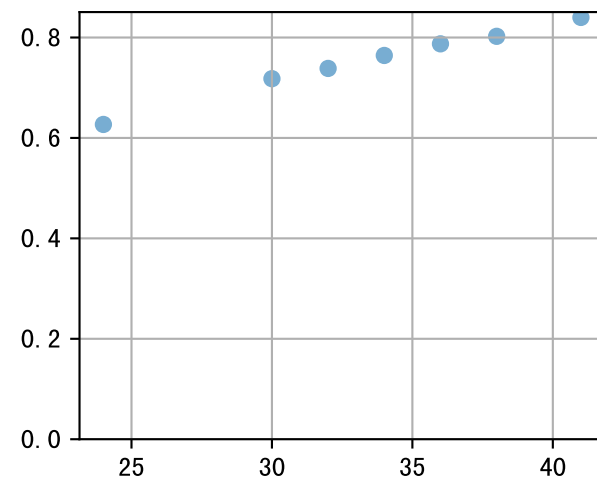
P3-6-019-12L10 (fit failed)



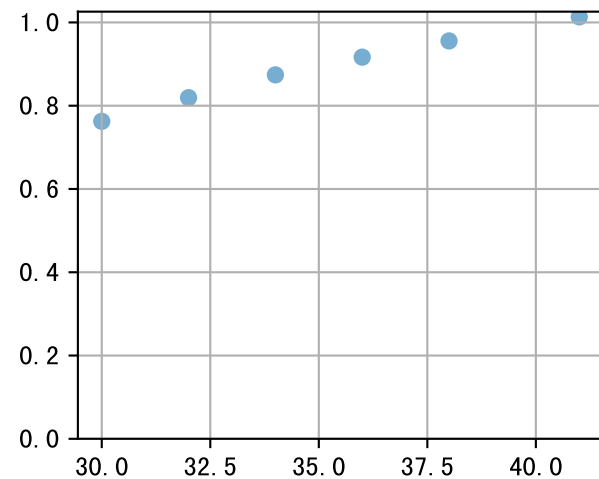
P3-6-019-12L7 (fit failed)



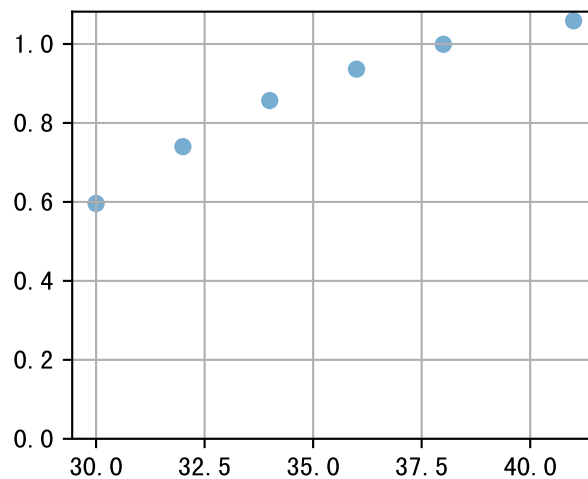
P3-6-024-25L6 (fit failed)



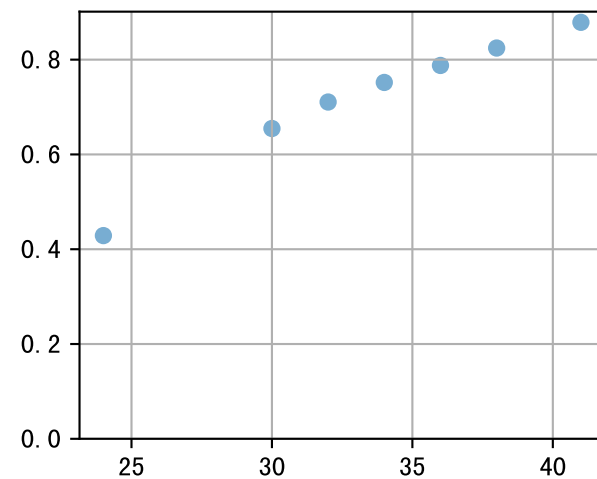
P3-6-024-25L9 (fit failed)



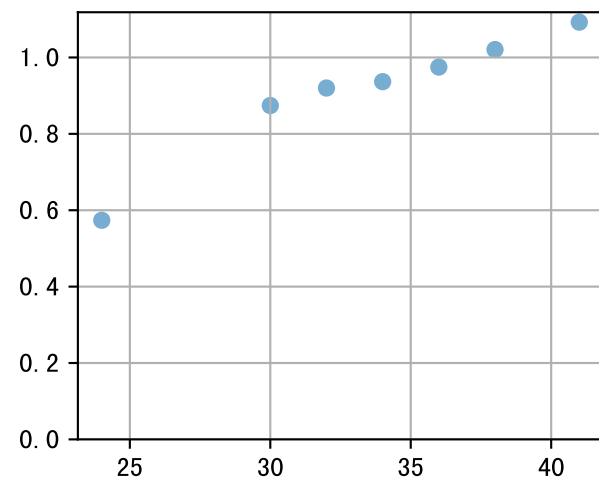
P3-6-028-32L10 (fit failed)



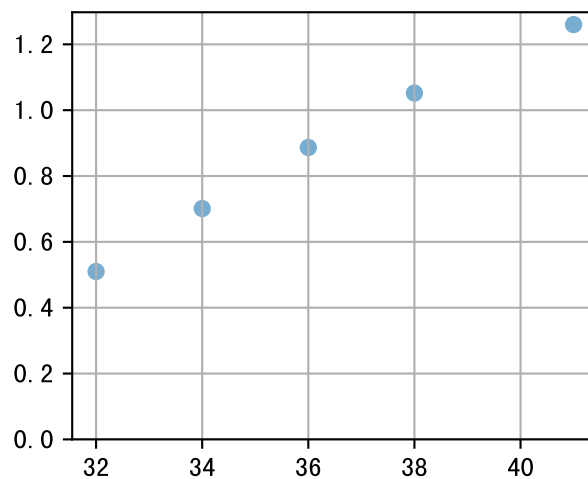
P3-6-028-32L7 (fit failed)



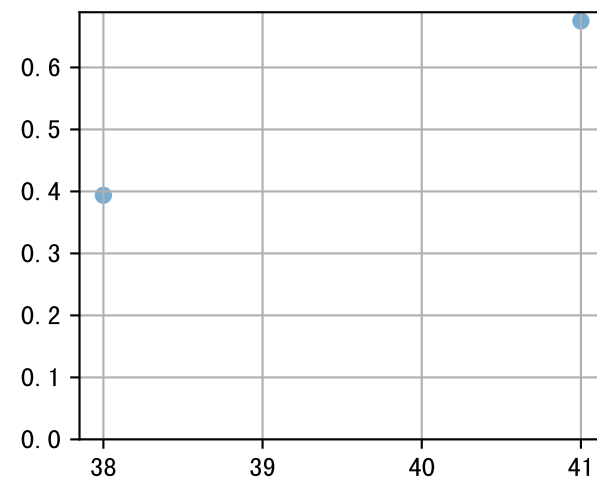
P3-6-033-9L6 (fit failed)



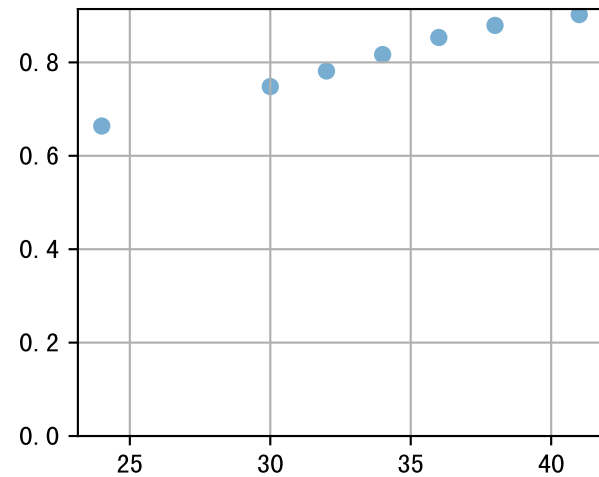
P3-6-033-9L9 (fit failed)



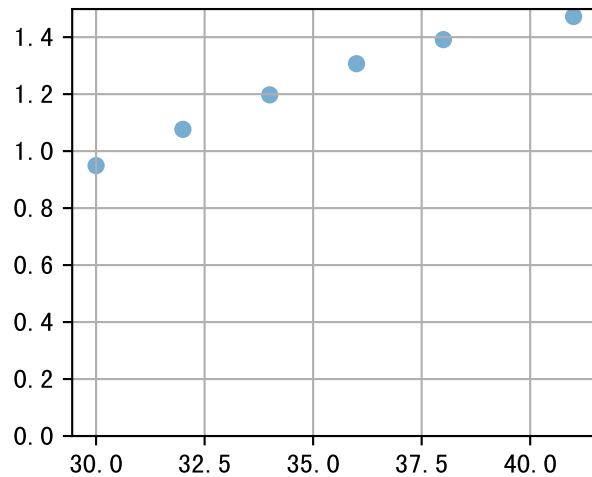
P3-6-038-21L12 (fit failed)



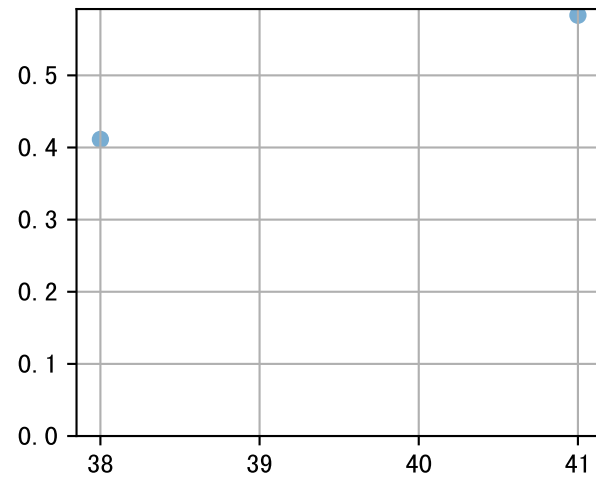
P3-6-038-21L6 (fit failed)



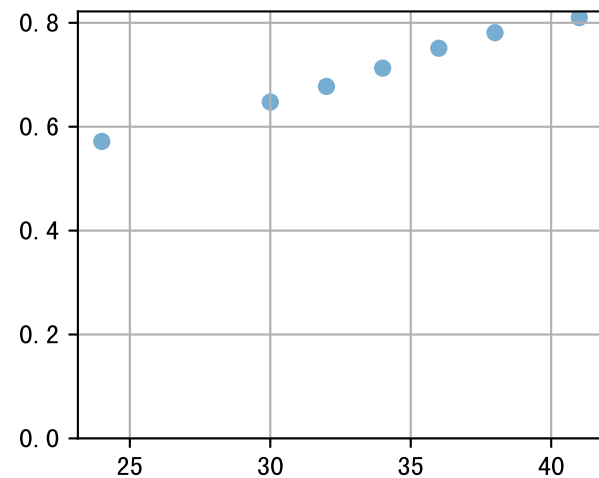
P3-6-038-21L9 (fit failed)



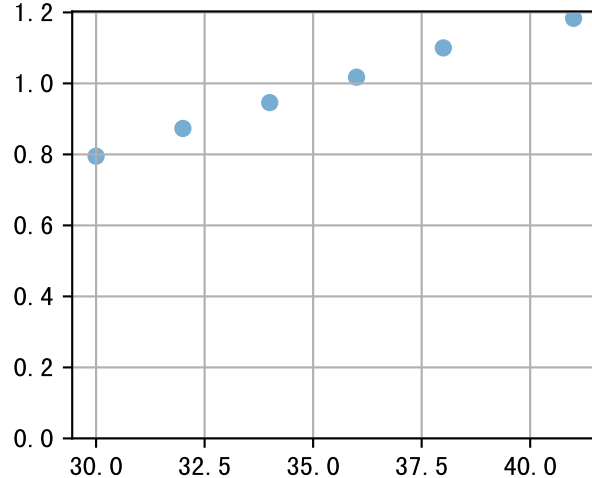
P3-6-042-4L12 (fit failed)

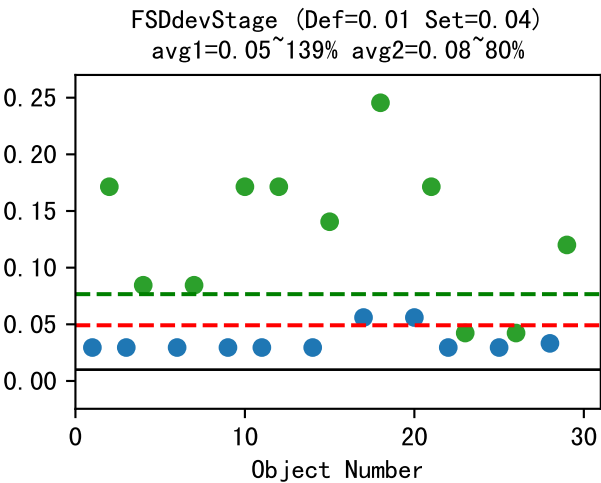
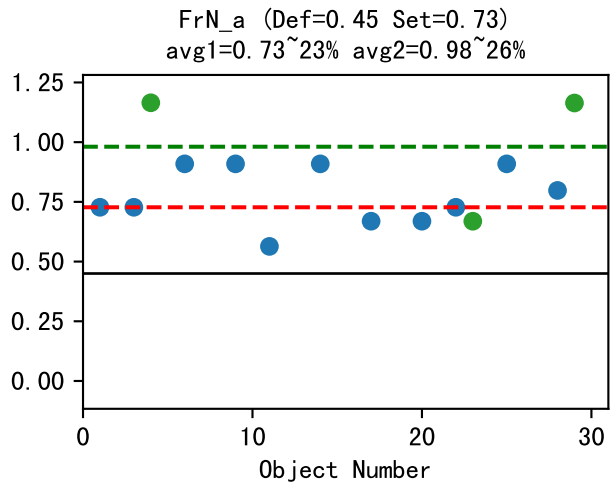
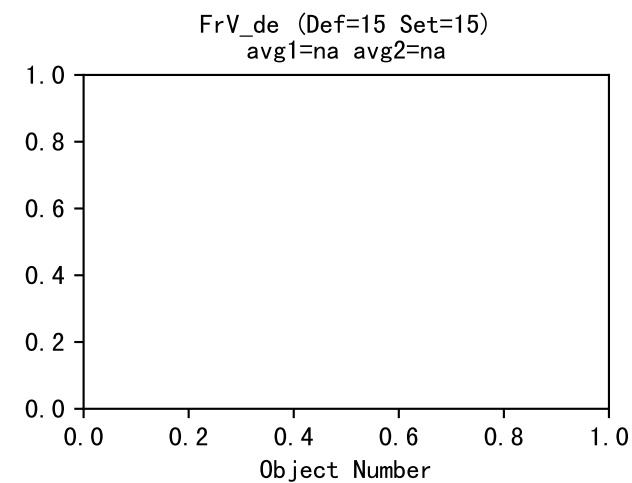
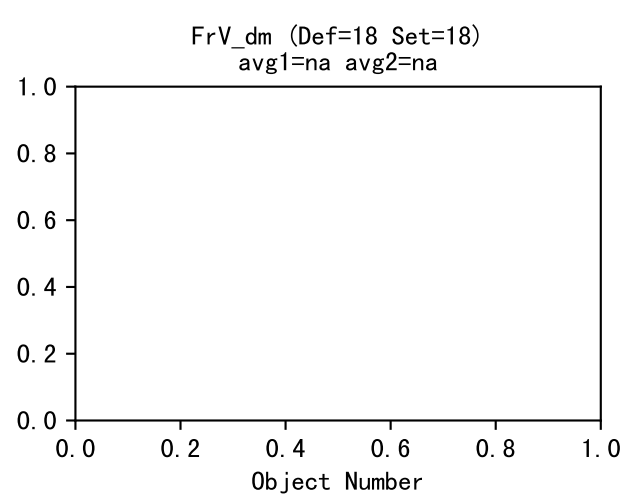
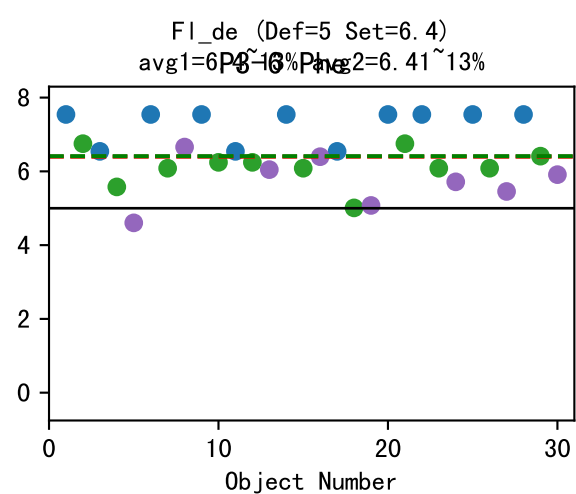
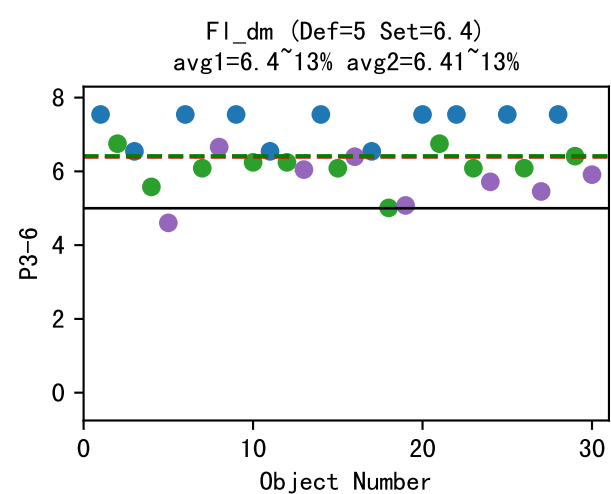


P3-6-042-4L6 (fit failed)

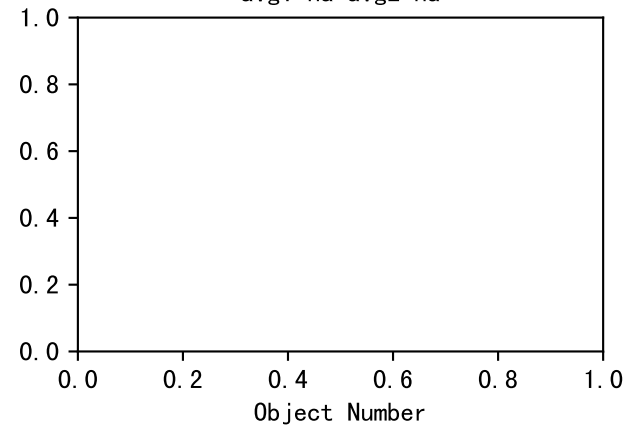


P3-6-042-4L9 (fit failed)

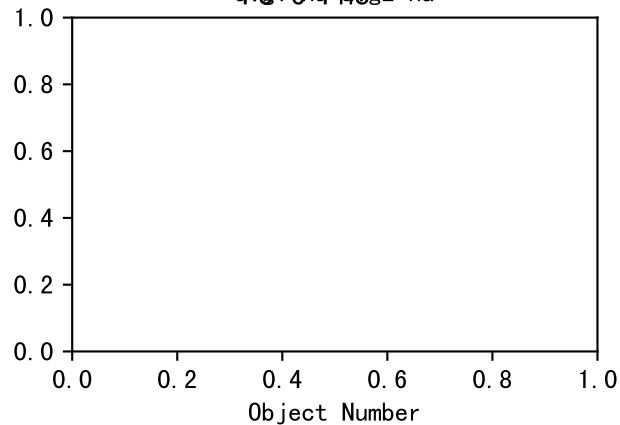




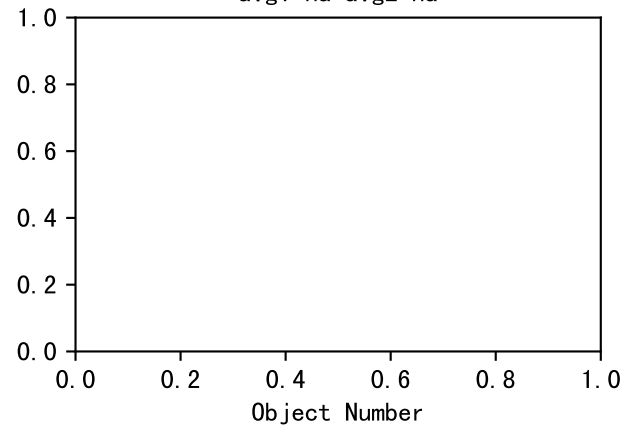
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



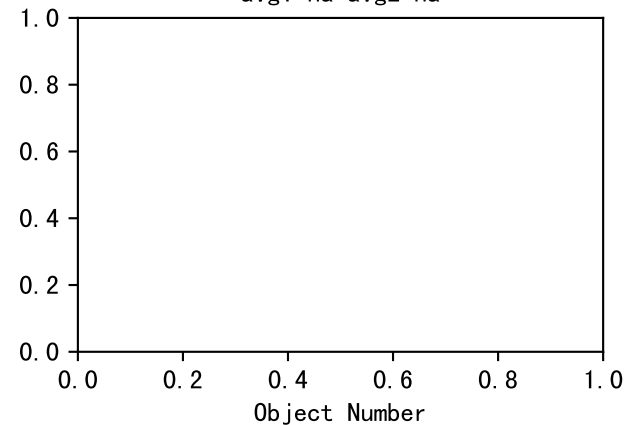
FMBdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



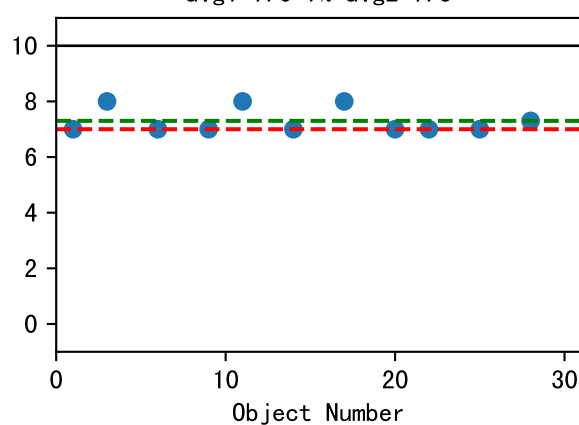
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

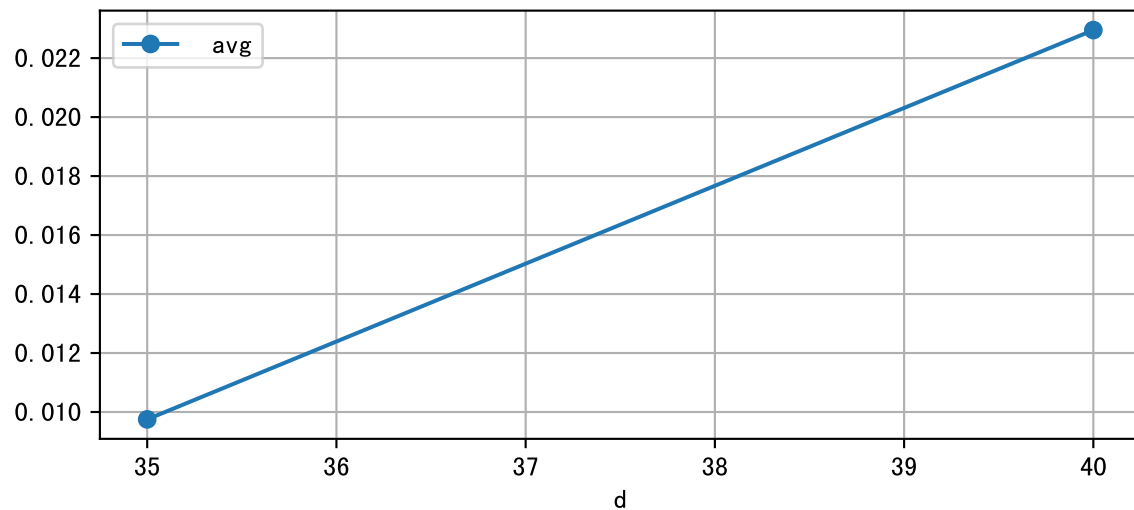


NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

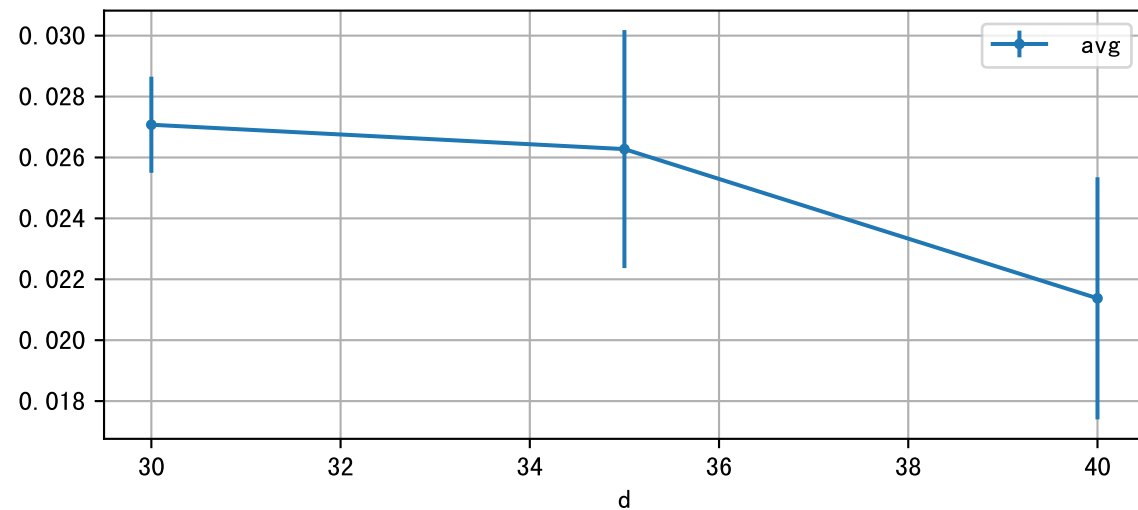


LfA: avg vs. d at each age group

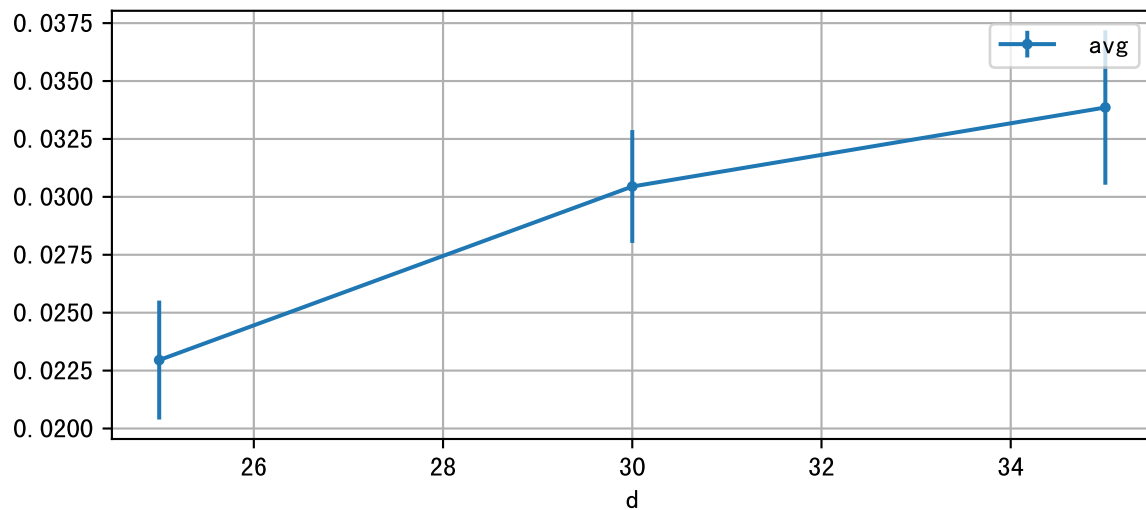
age=15



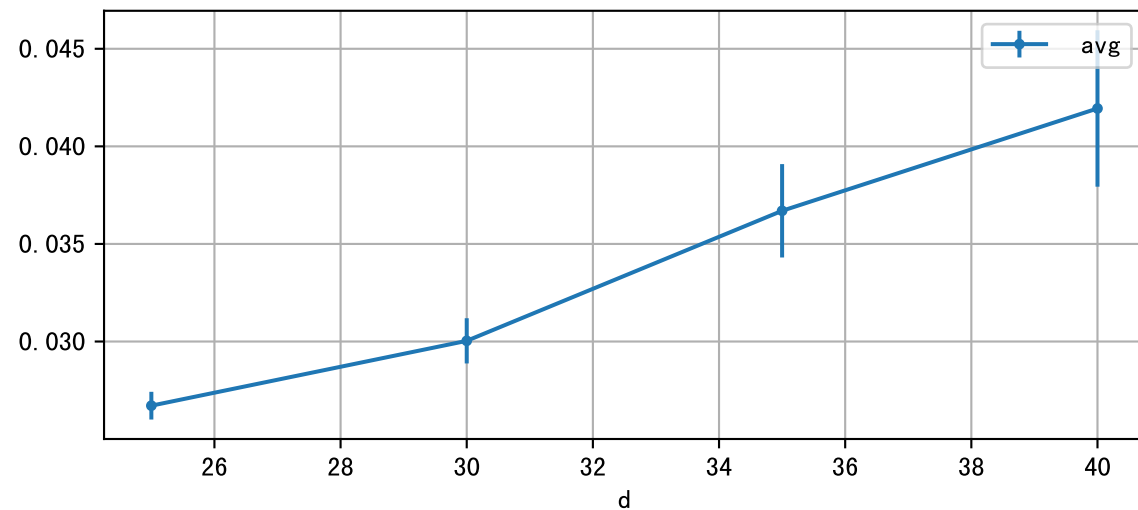
age=20



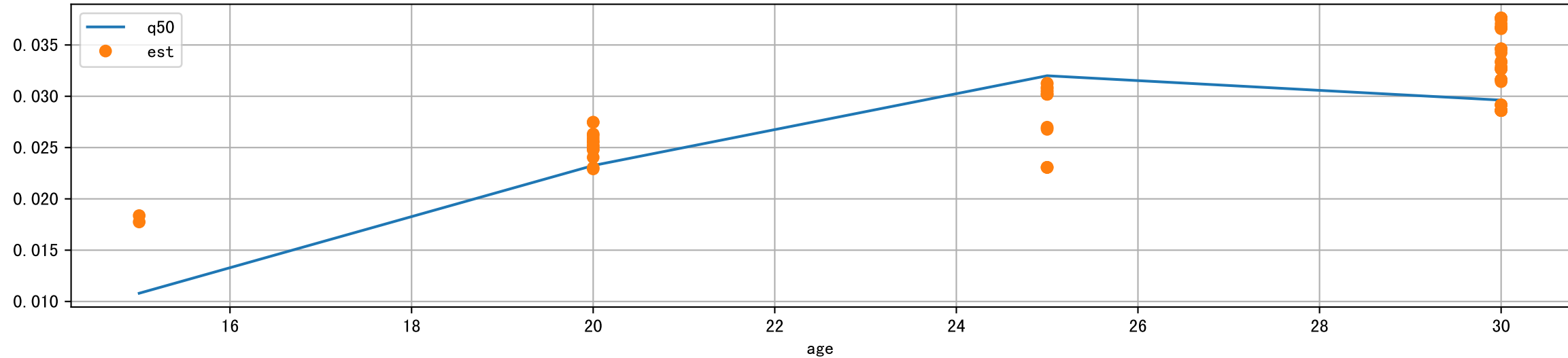
age=25



age=30

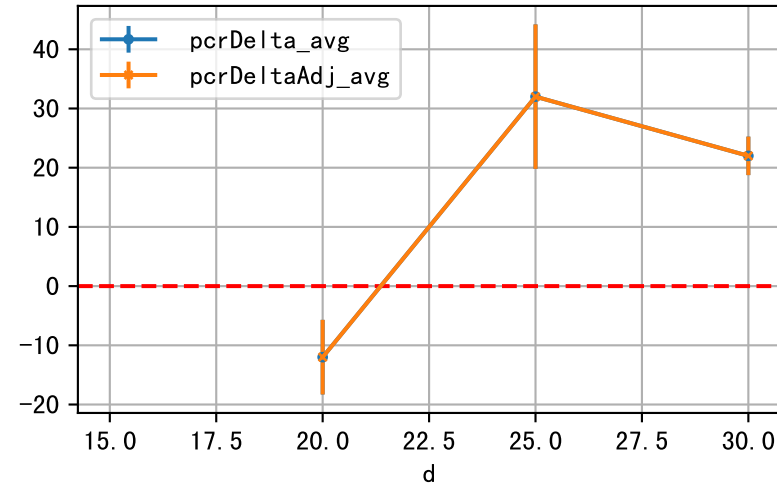


LfA: model est vs obs0v@Q50

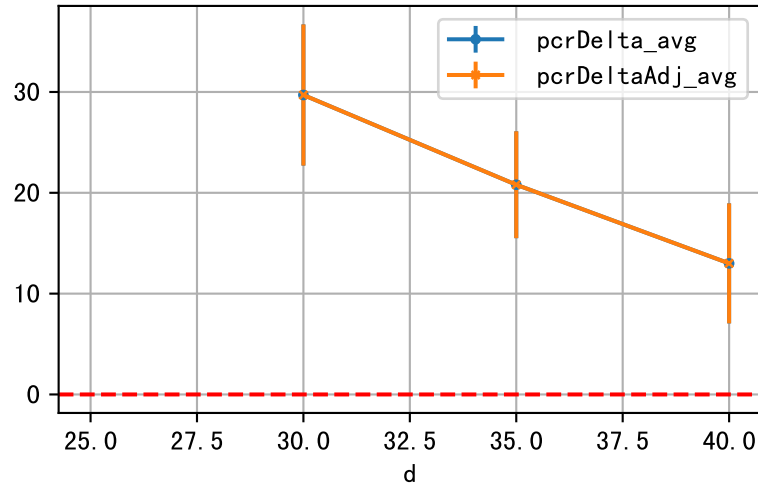


P3-6 LfA: D_5d_LfA

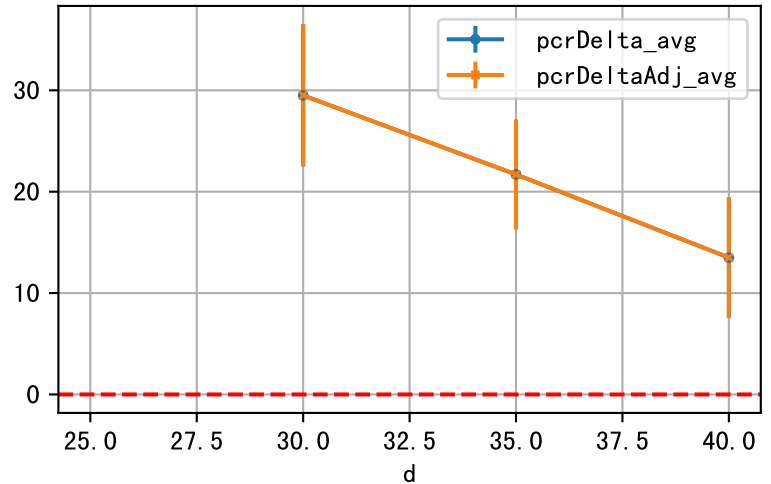
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

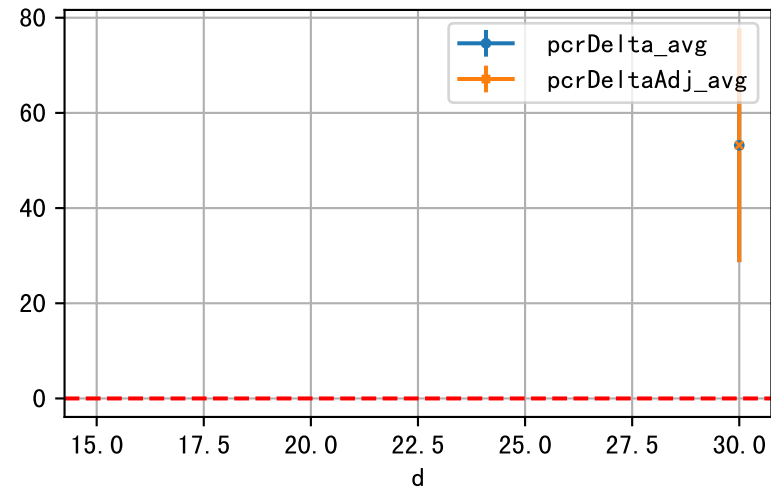


DeltaTypeAbbr=Wei AvgByD

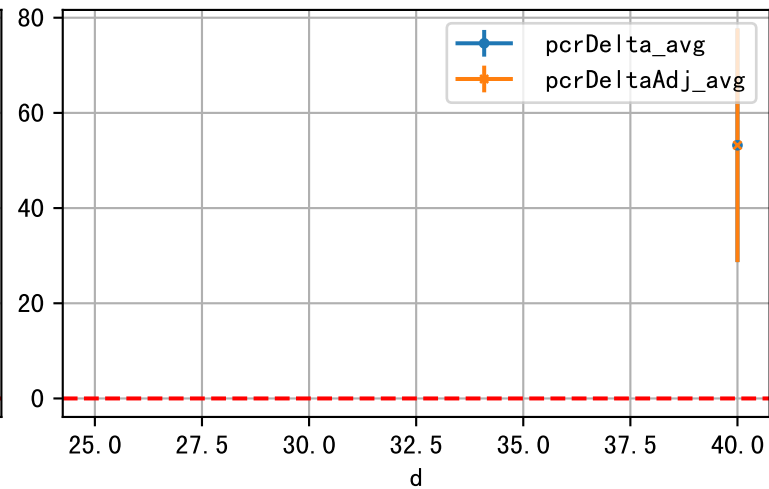


P3-6 LfA: D_15d_LfA

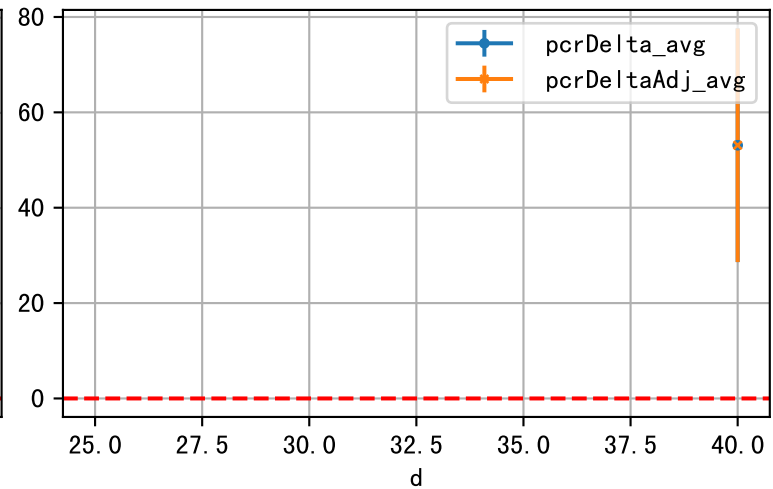
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

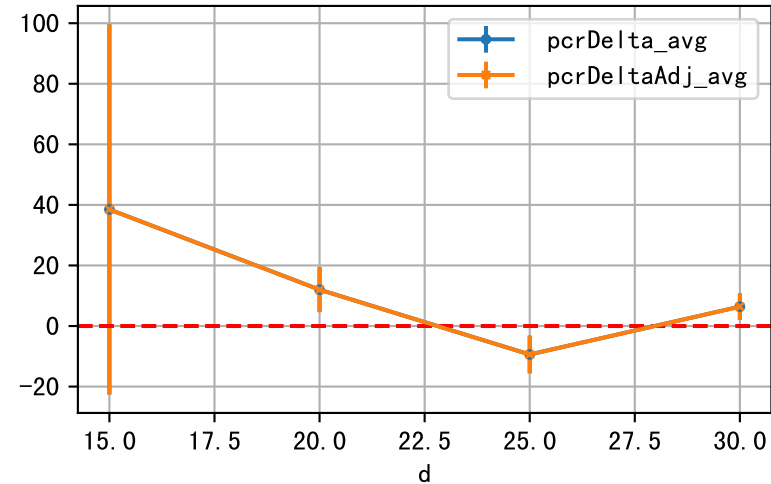


DeltaTypeAbbr=Wei AvgByD

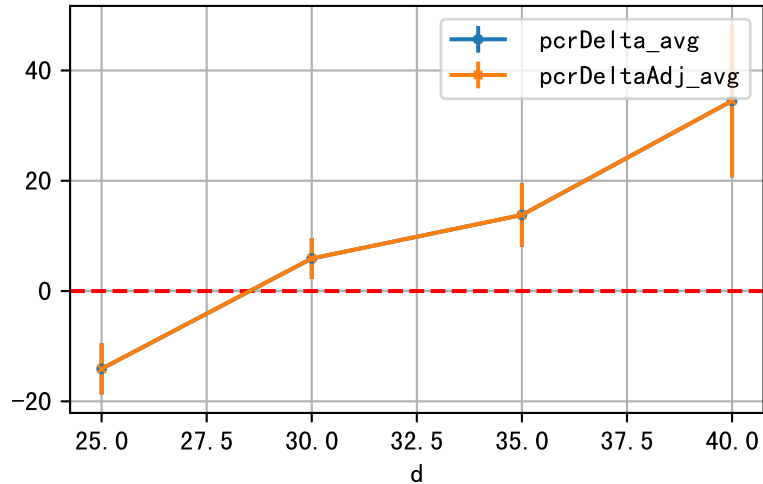


P3-6 LfA: D_Q50_LfA

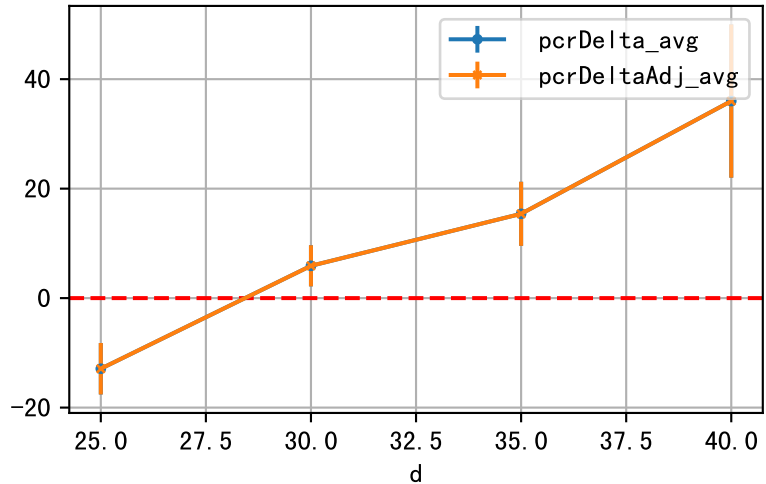
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

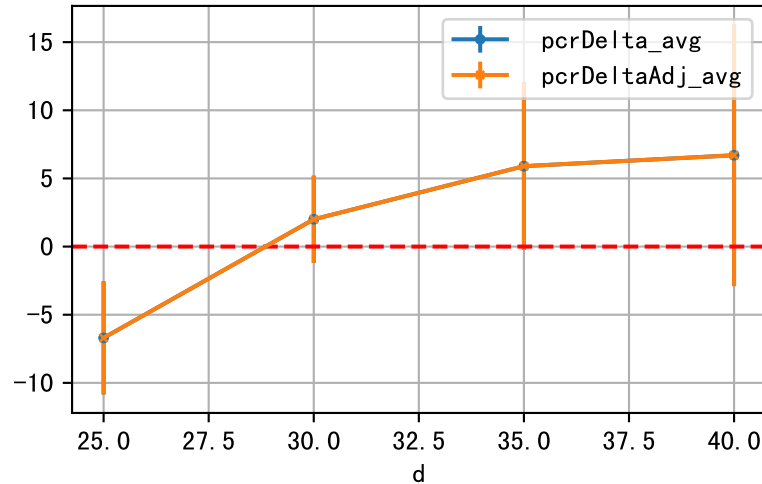


DeltaTypeAbbr=Wei AvgByD

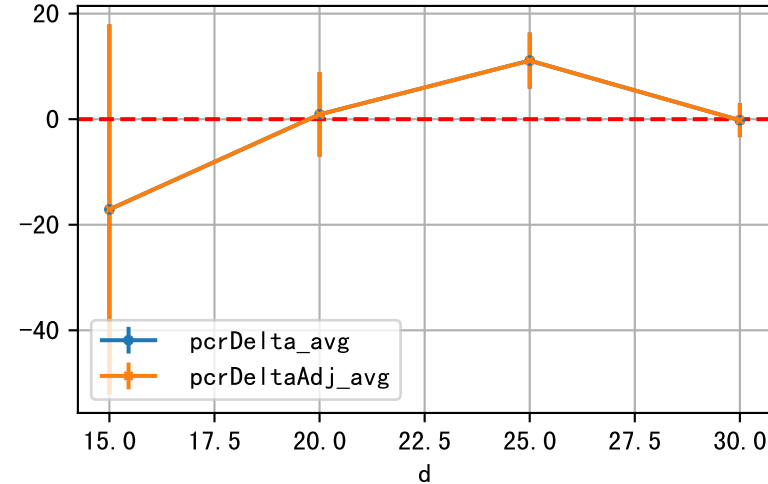


P3-6 LfA: D_Est_LfA

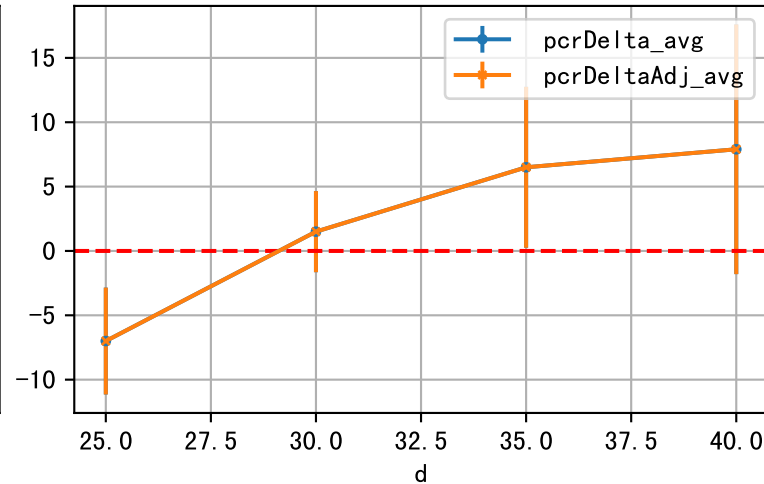
DeltaTypeAbbr=GrpByDay



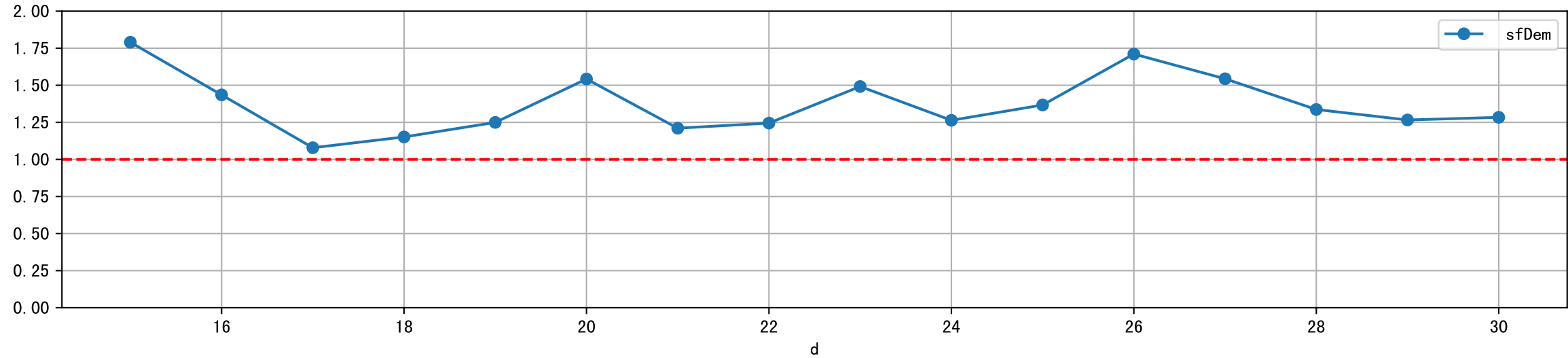
DeltaTypeAbbr=GrpByAge

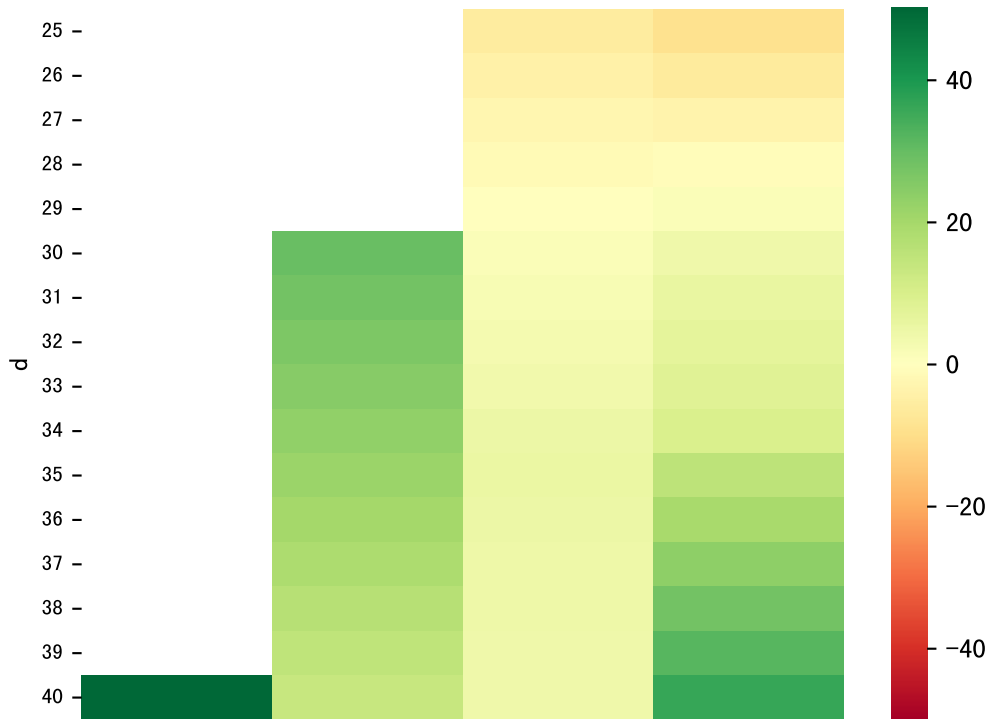


DeltaTypeAbbr=Wei AvgByD



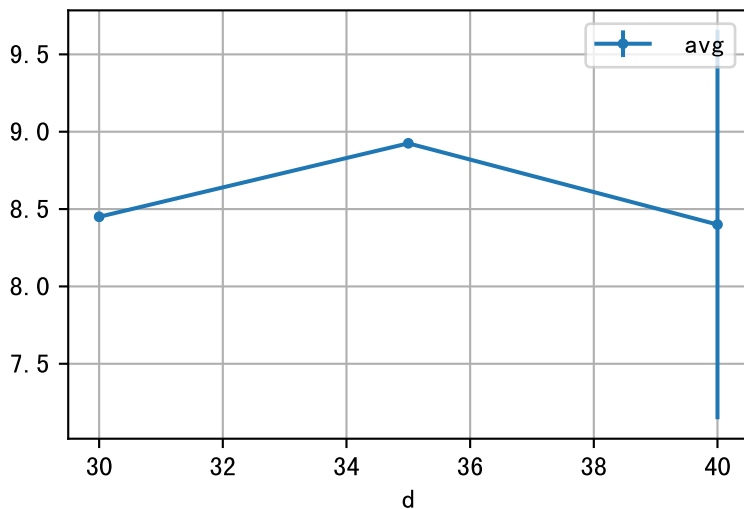
LfA: sfDem



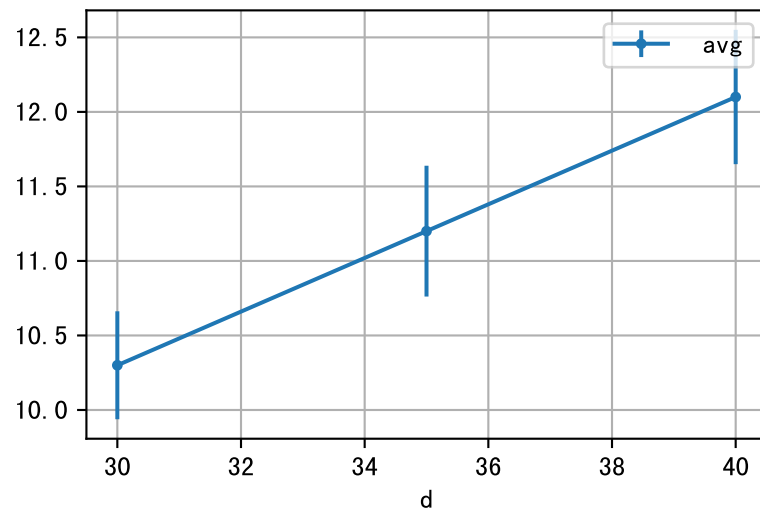


NdD: avg vs. d at each age group

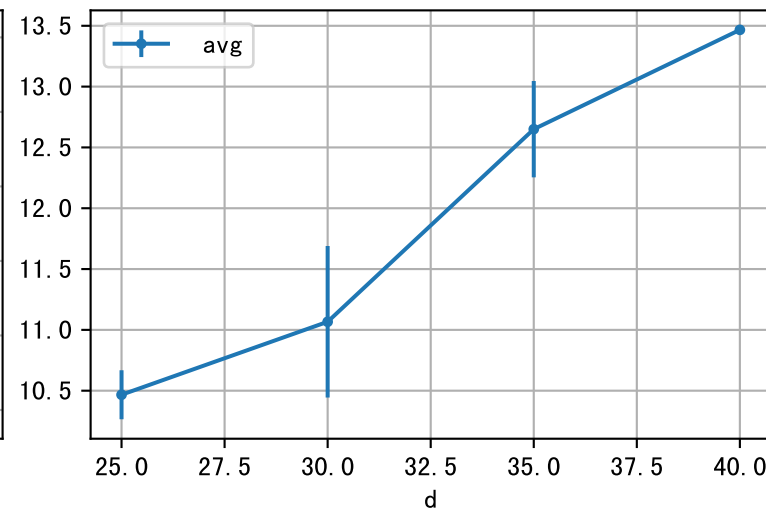
age=15



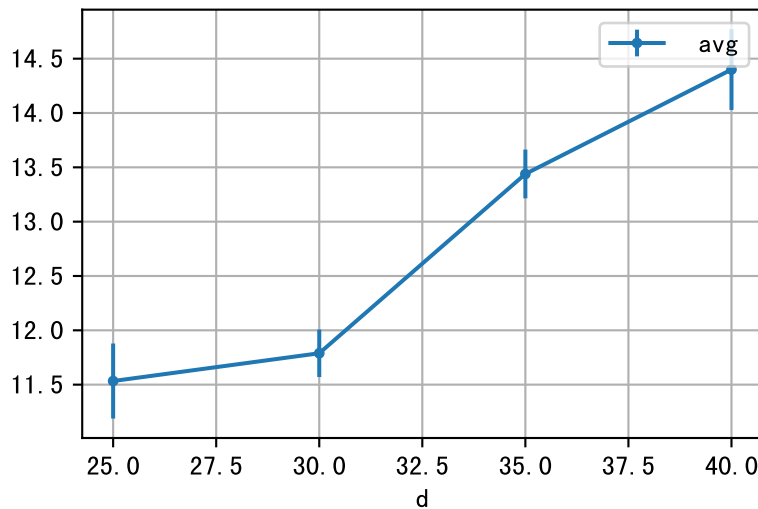
age=20



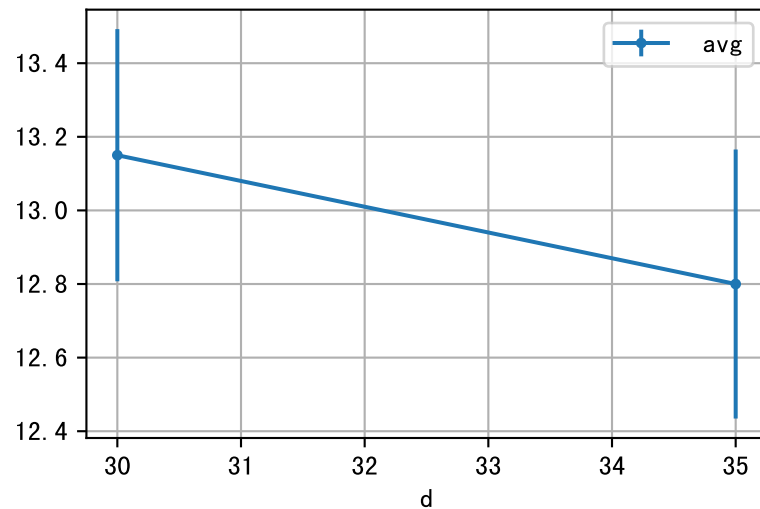
age=25



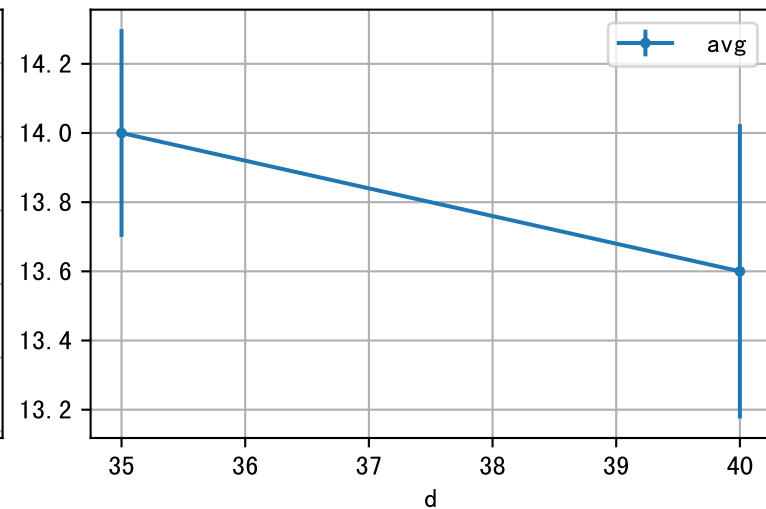
age=30



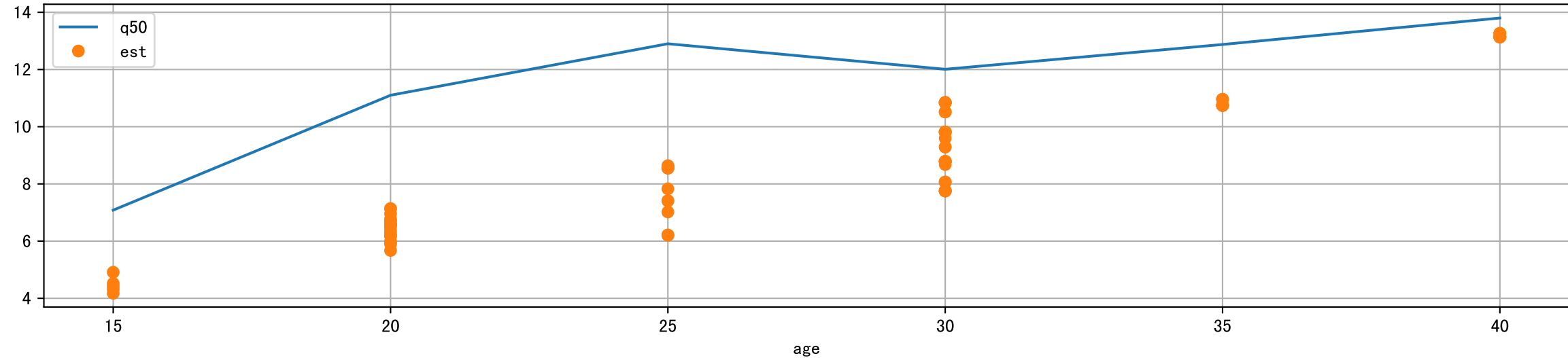
age=35



age=40

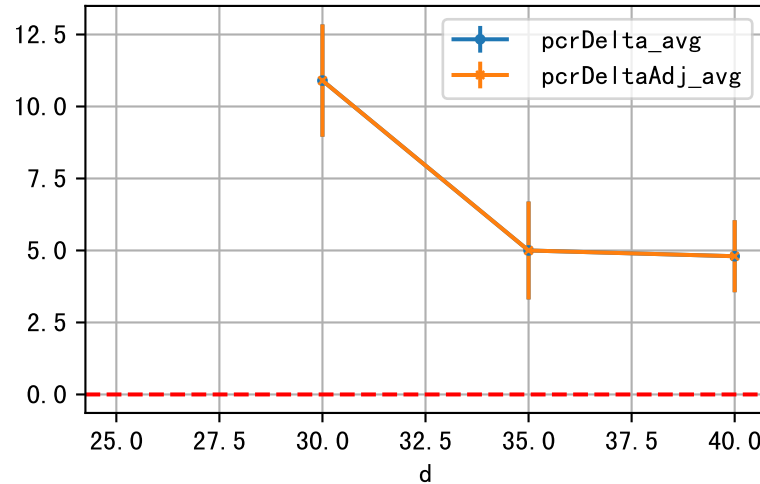


NdD: model est vs obs0v@Q50

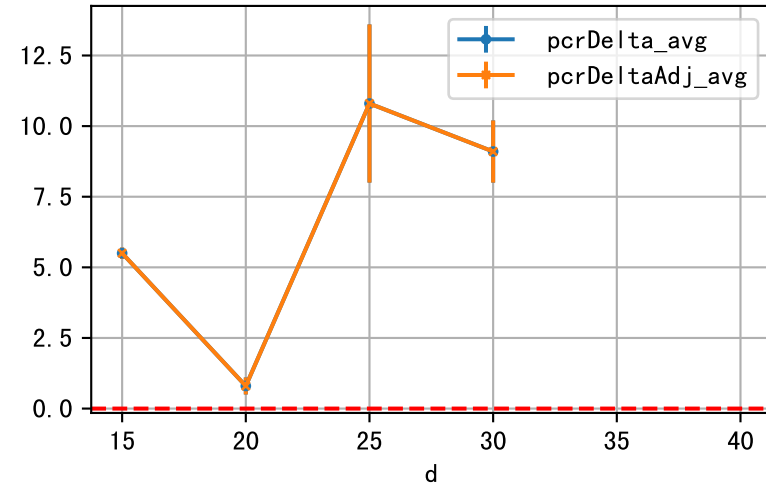


P3-6 NdD: D_5d_NdD

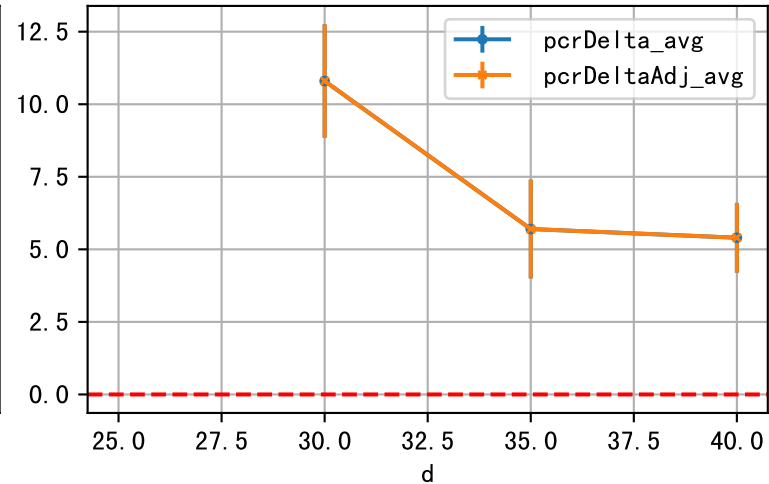
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=WeiAvgByD

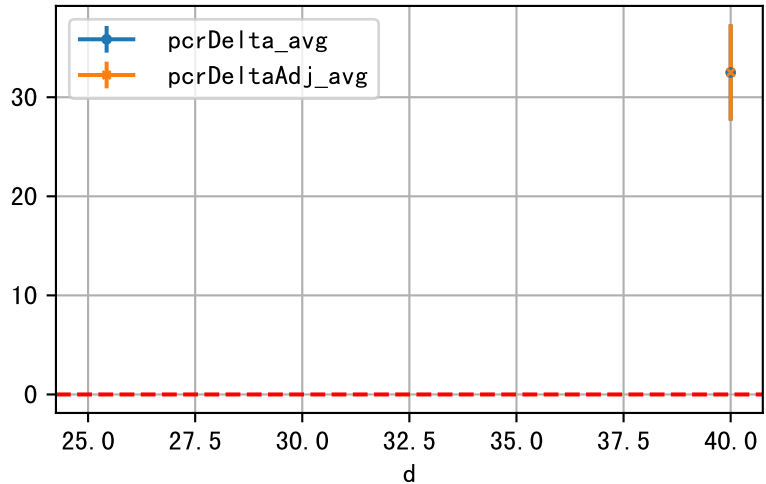
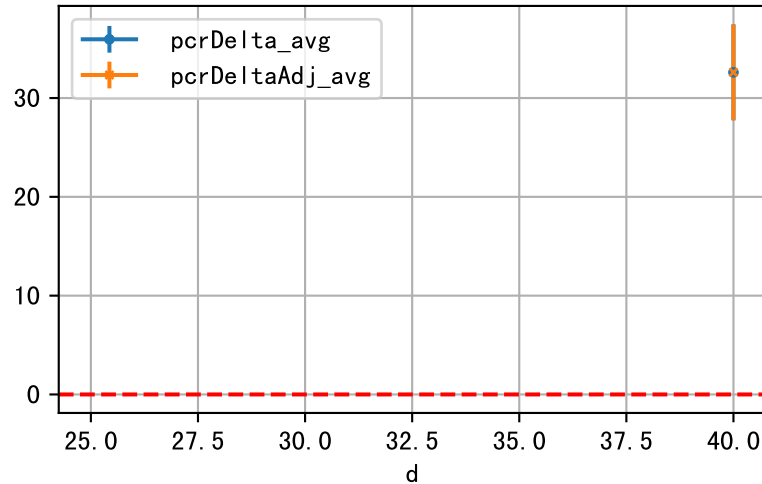
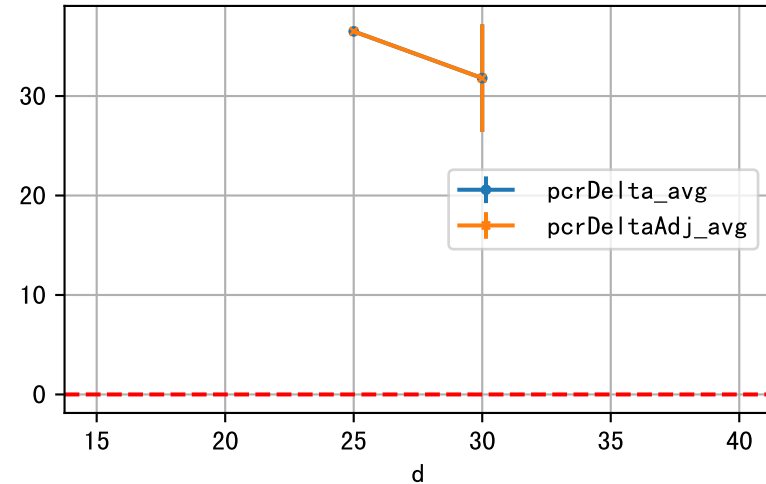


P3-6 NdD: D_15d_NdD

DeltaTypeAbbr=GrpByAge

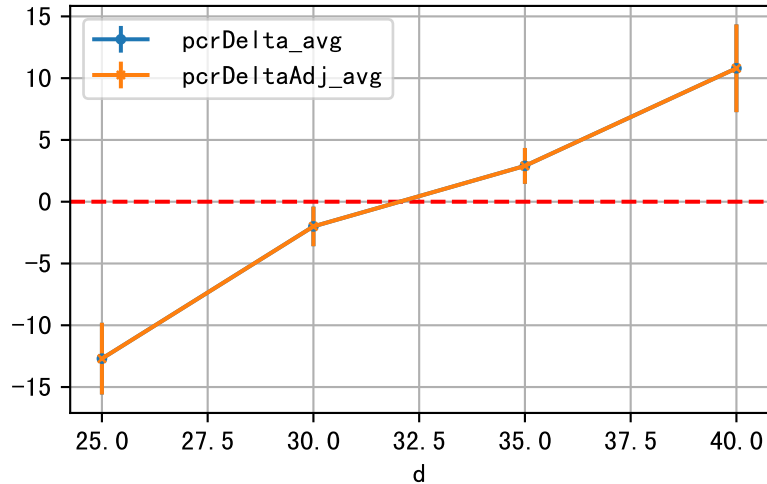
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

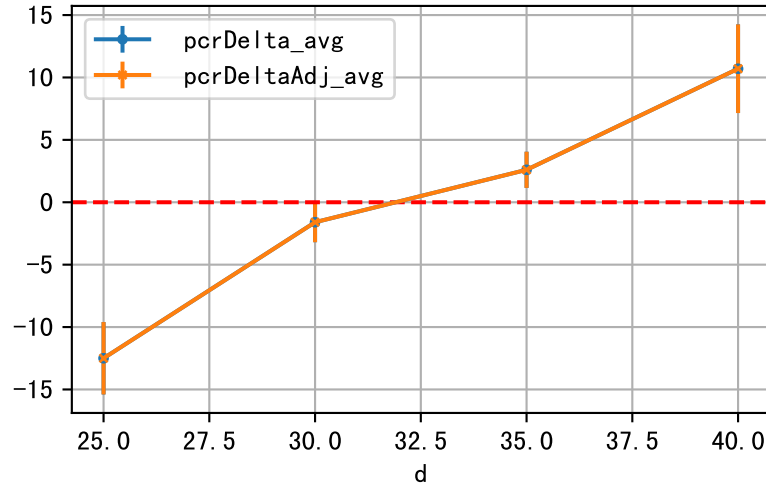


P3-6 NdD: D_Q50_NdD

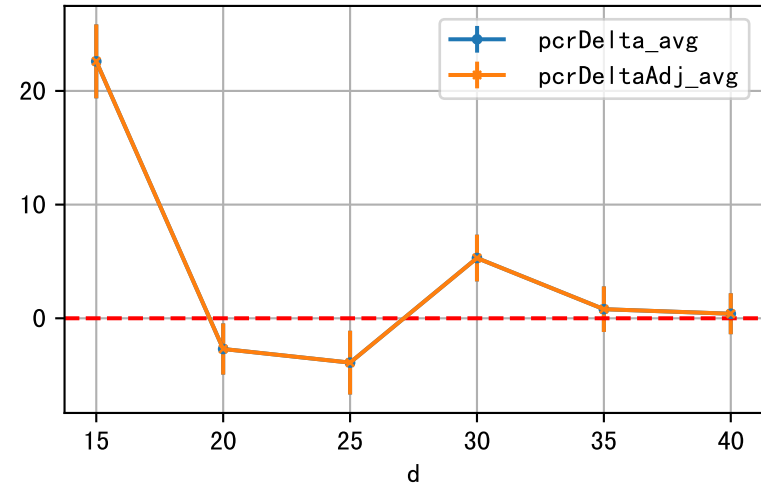
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

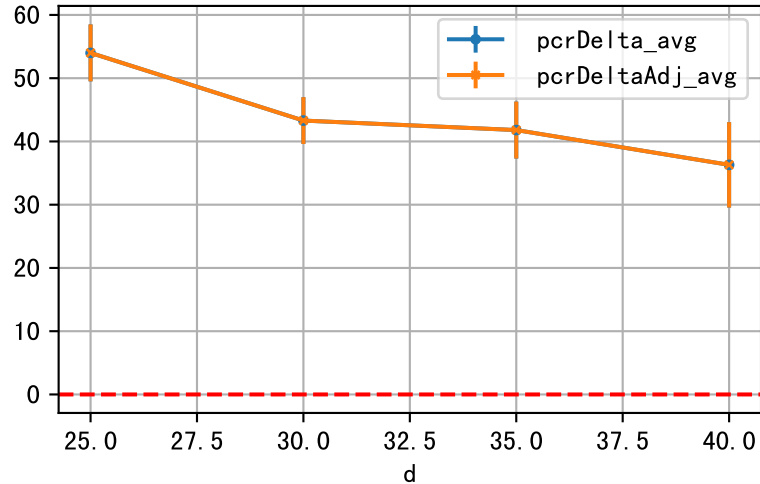


DeltaTypeAbbr=GrpByAge

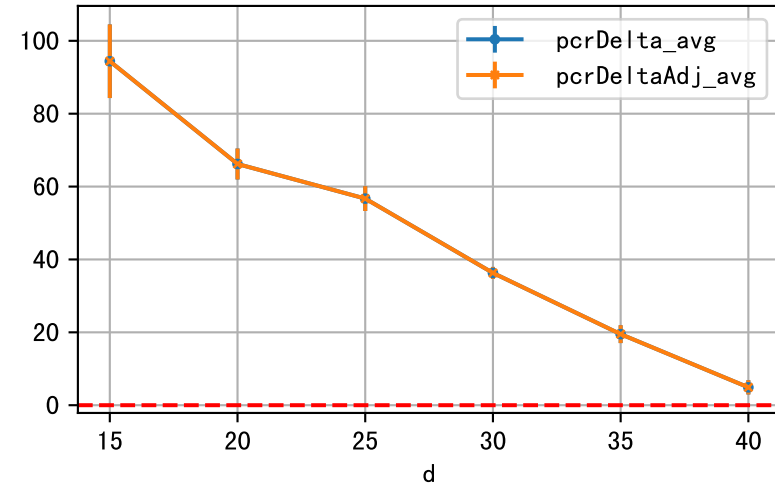


P3-6 NdD: D_Est_NdD

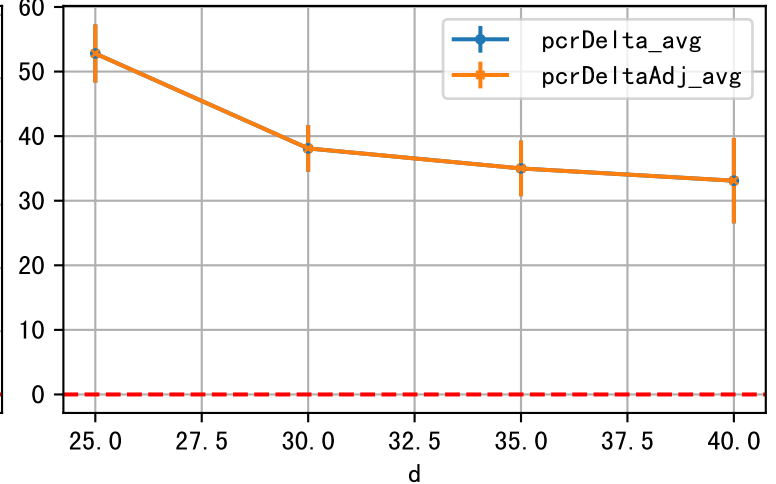
DeltaTypeAbbr=GrpByDay



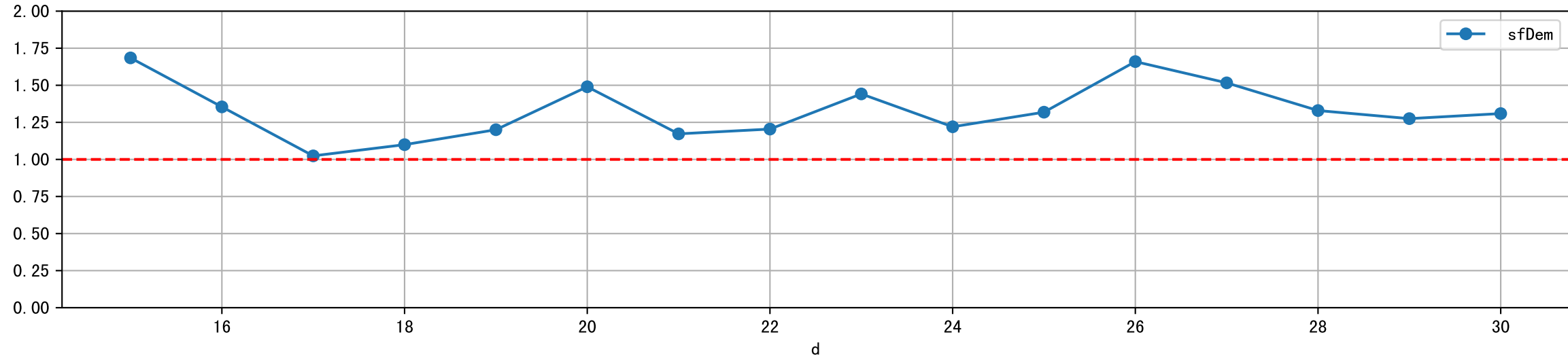
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD

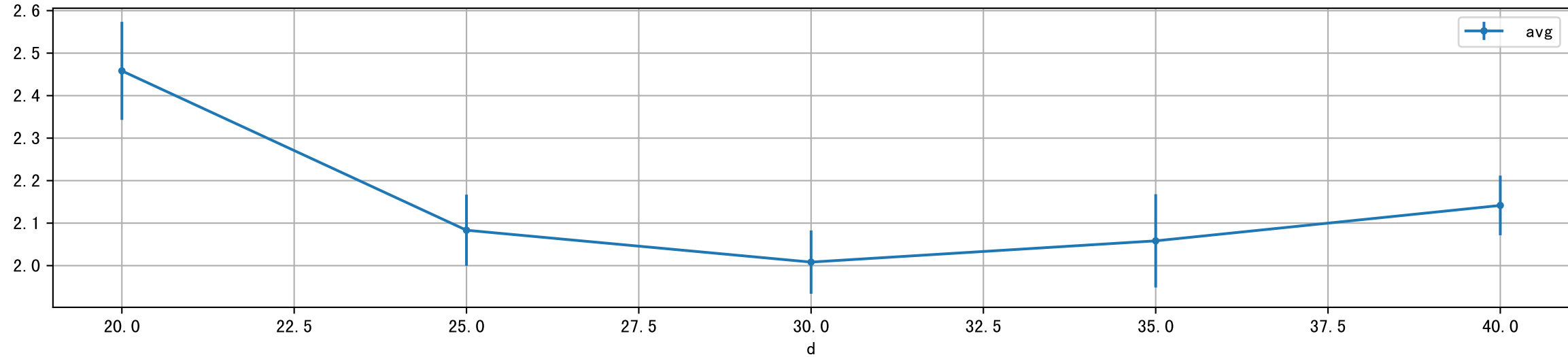


NdD: sfDem

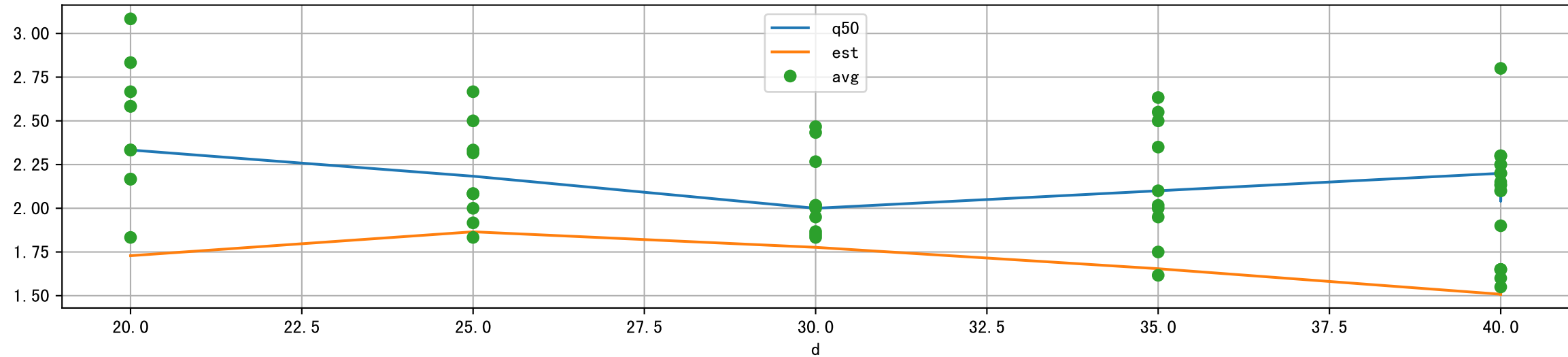




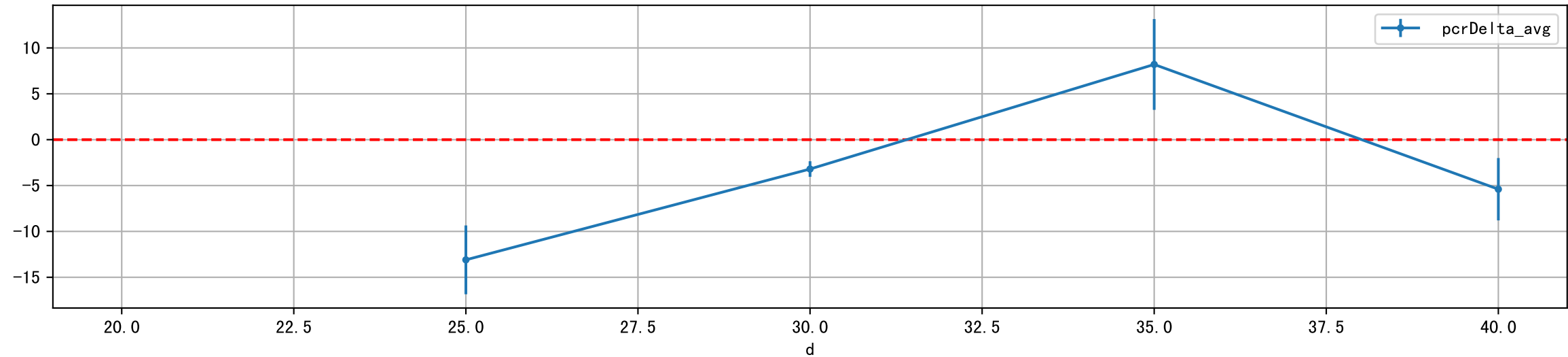
dStH: avg vs. d



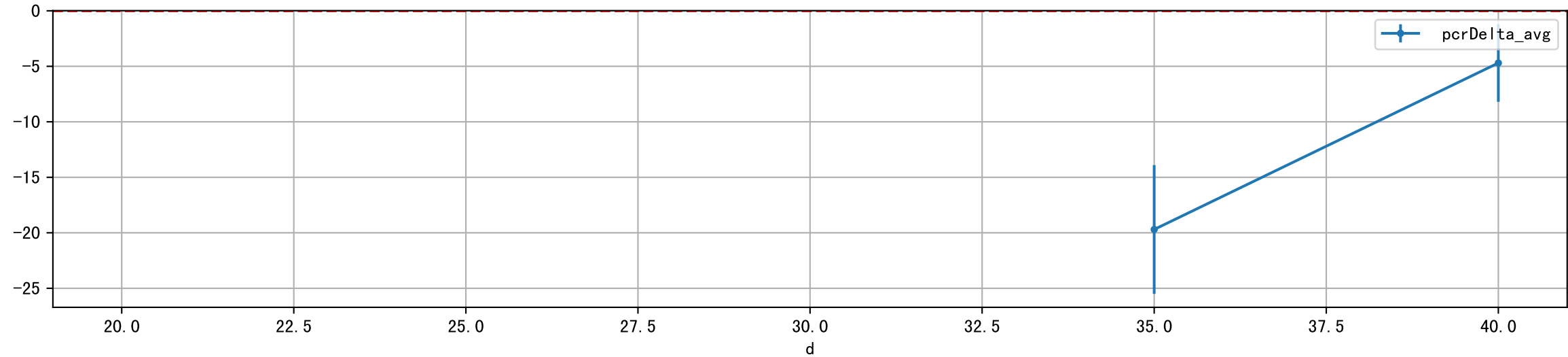
dStH: obsAvg vs obs0v@Q50



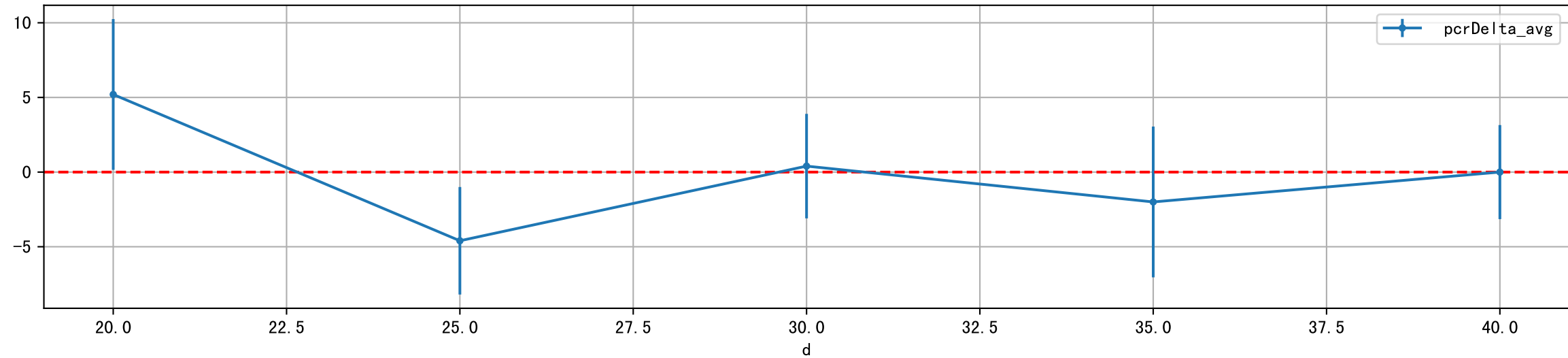
dStH: D_5d_StH



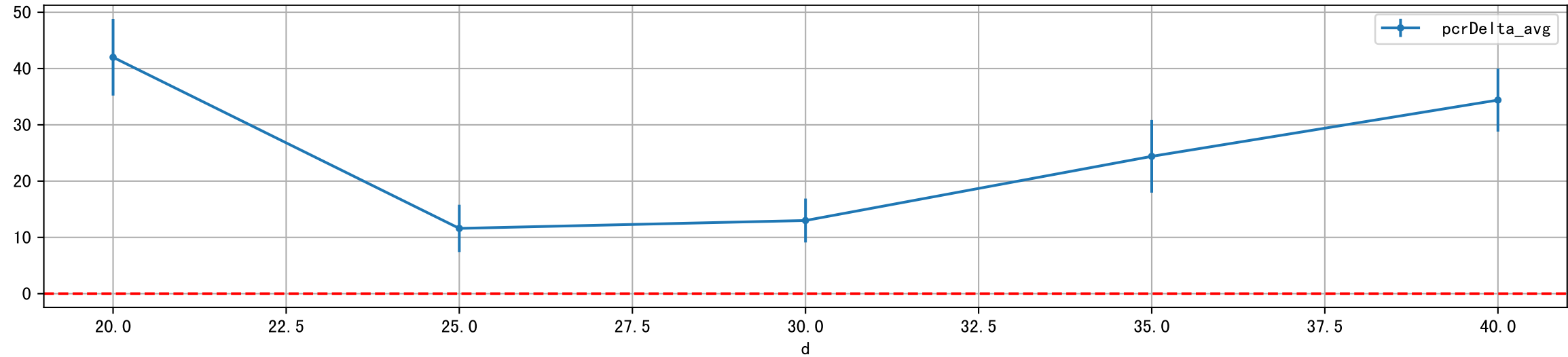
dStH: D_15d_StH



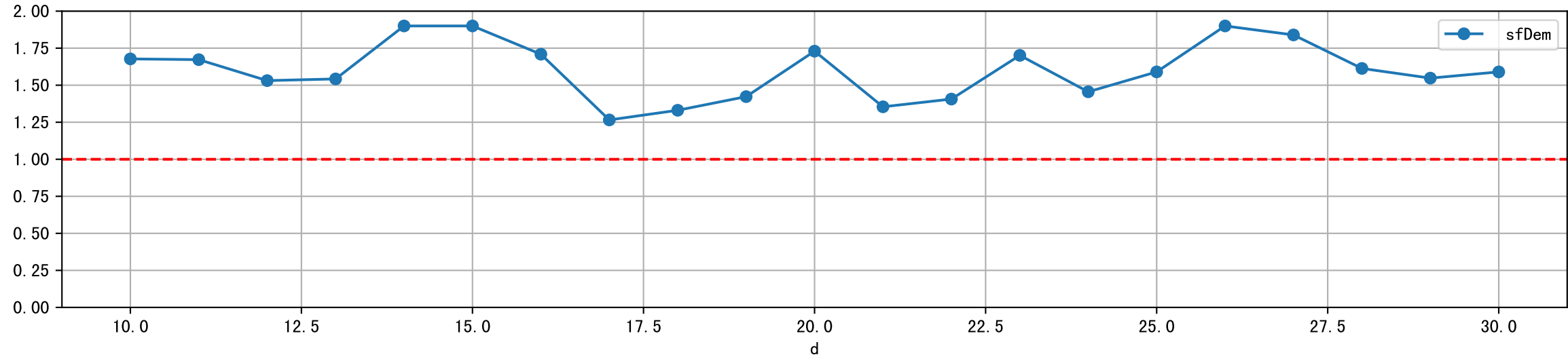
dStH: D_Q50_StH



dStH: D_Est_StH

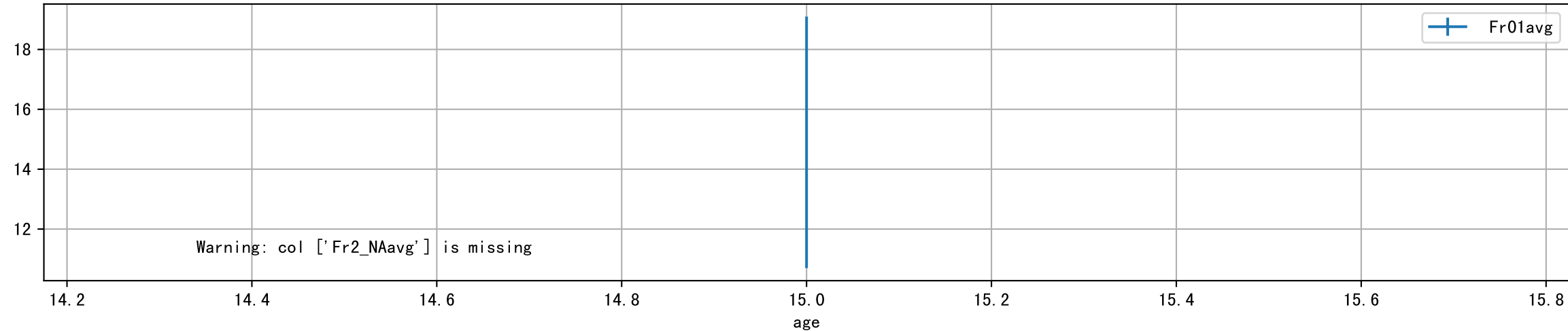


dStH: sfDem



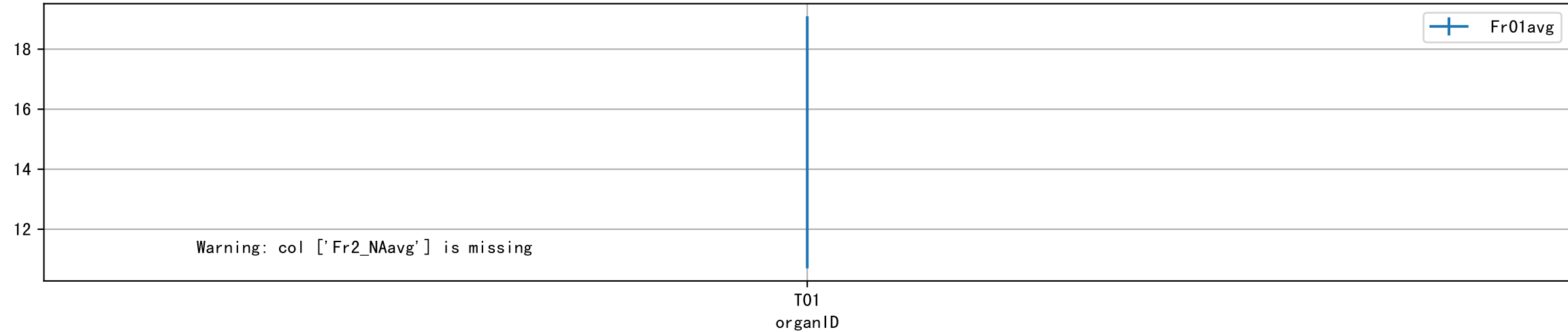


FrV: Fr01 vs Fr2_NA at each truss
organID=T01

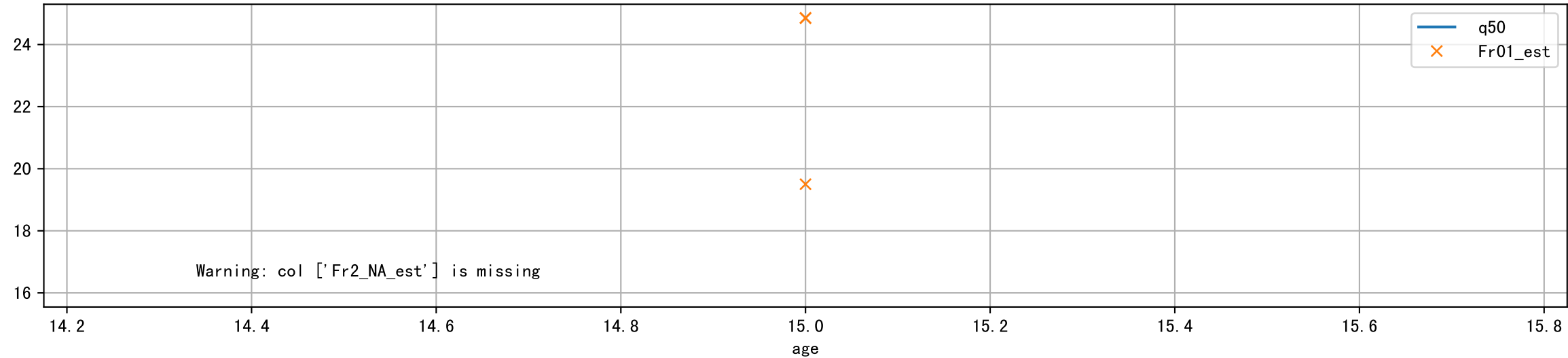


FrV trend at each age

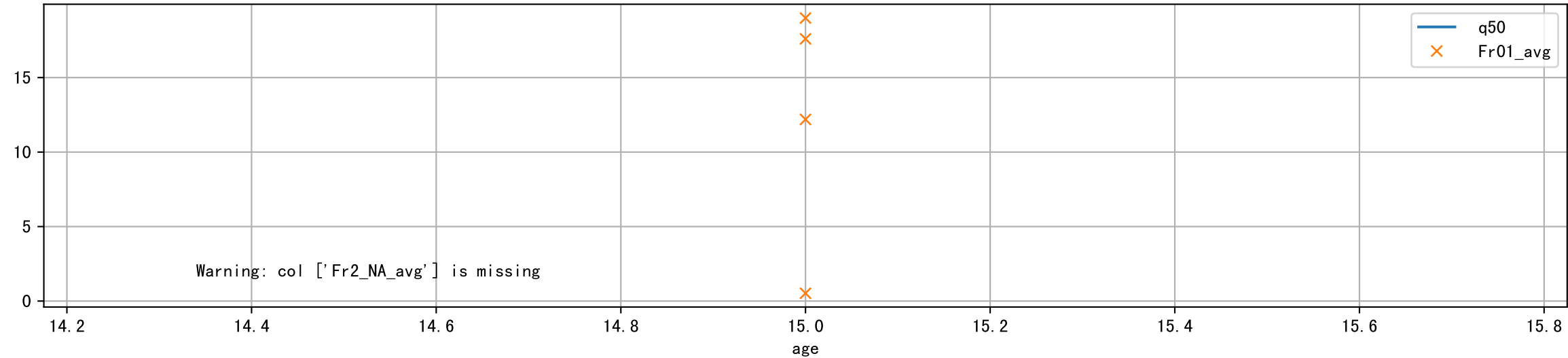
age=15



FrV: model Est vs obsFrV at Q90

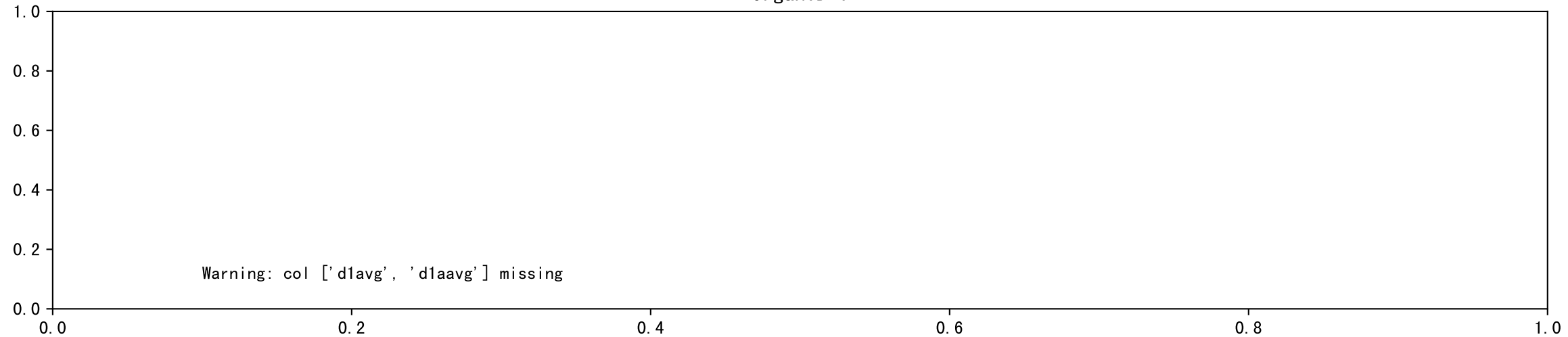


FrV: obsFrV vs obsFrV@Q90



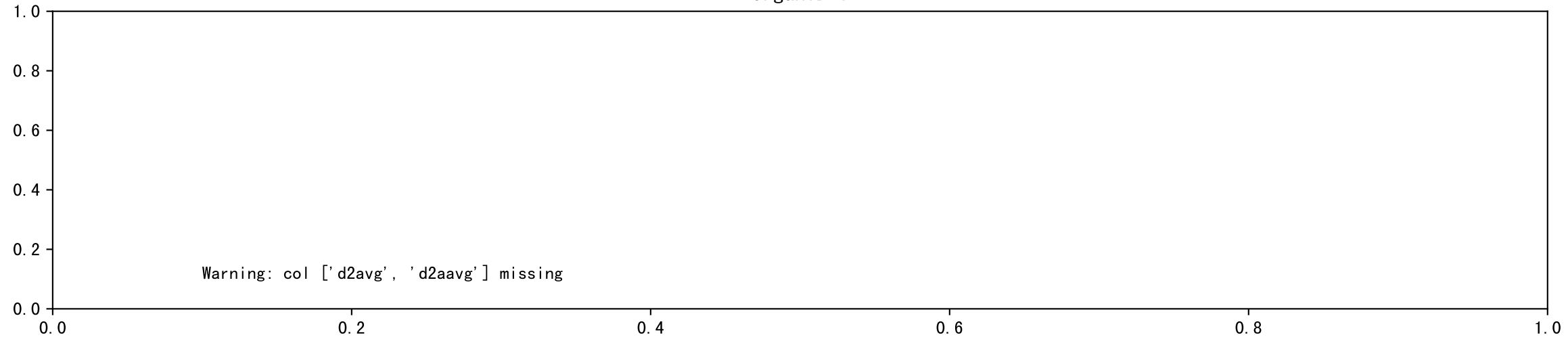
FrV: D_Fr1_FrV
organID=1

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

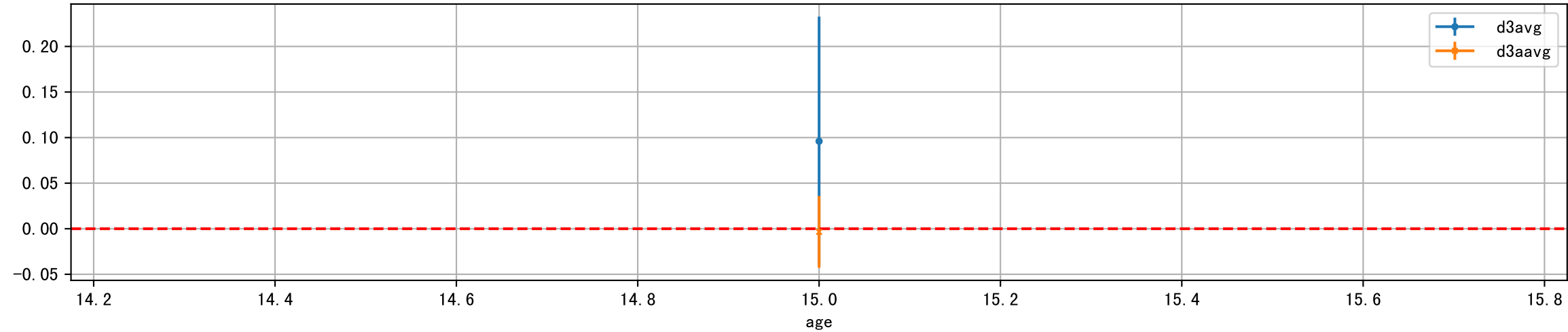


FrV: D_Ts_FrV
organID=1

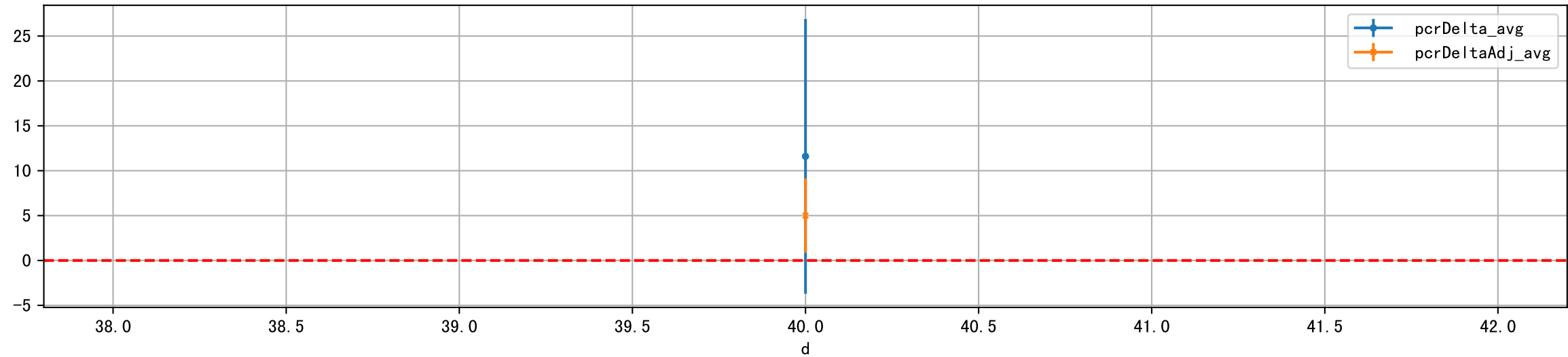
Warning: col ['d2avg', 'd2aavg'] missing



FrV: D_Q50_FrV
organID=1



P3-6 FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=1

