

Phenotype Data Analysis Plots

PhenoData day range = 12 – 45

Analysis cutoff day = 45

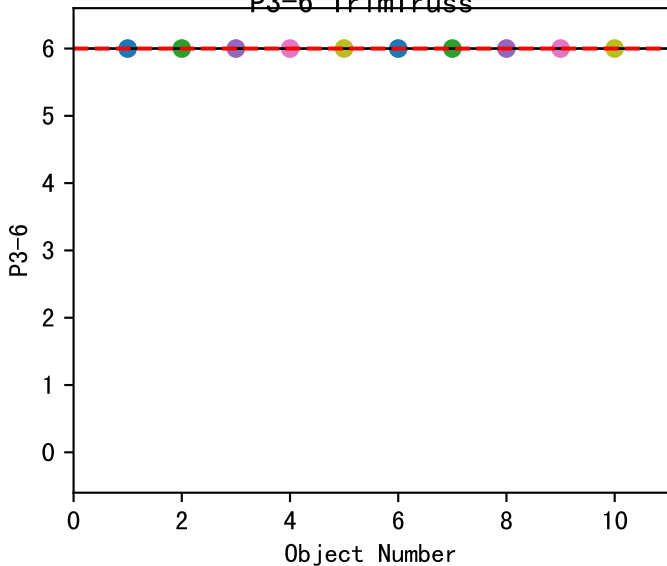
NC11 P3–6

2025-05-14 (Day 46)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

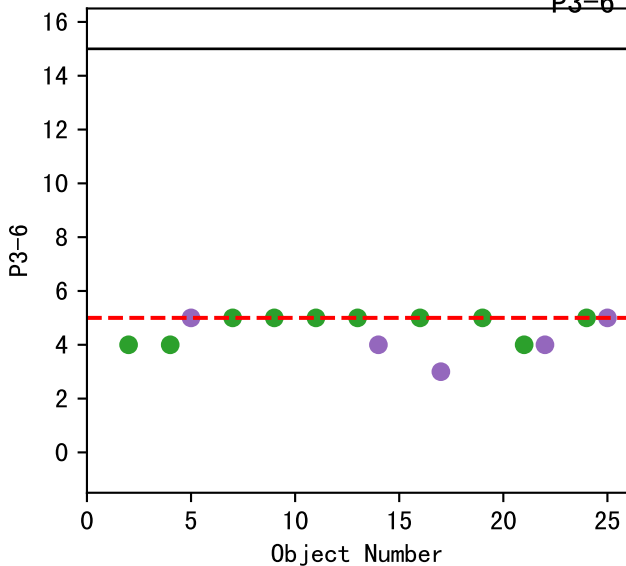
P3-6 TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

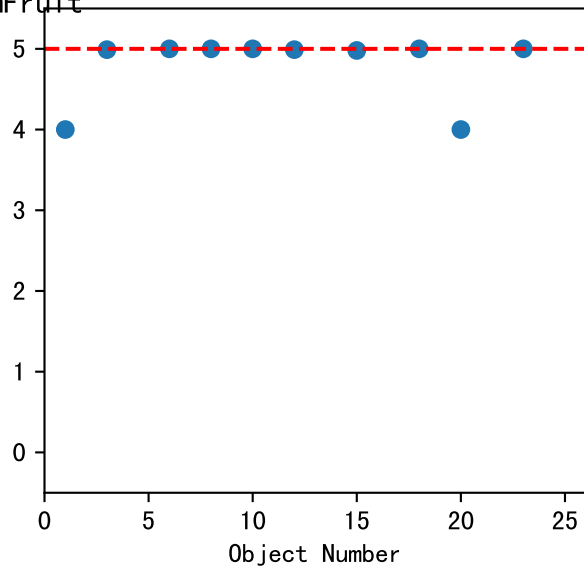
avg1=5.0~13% avg2=na

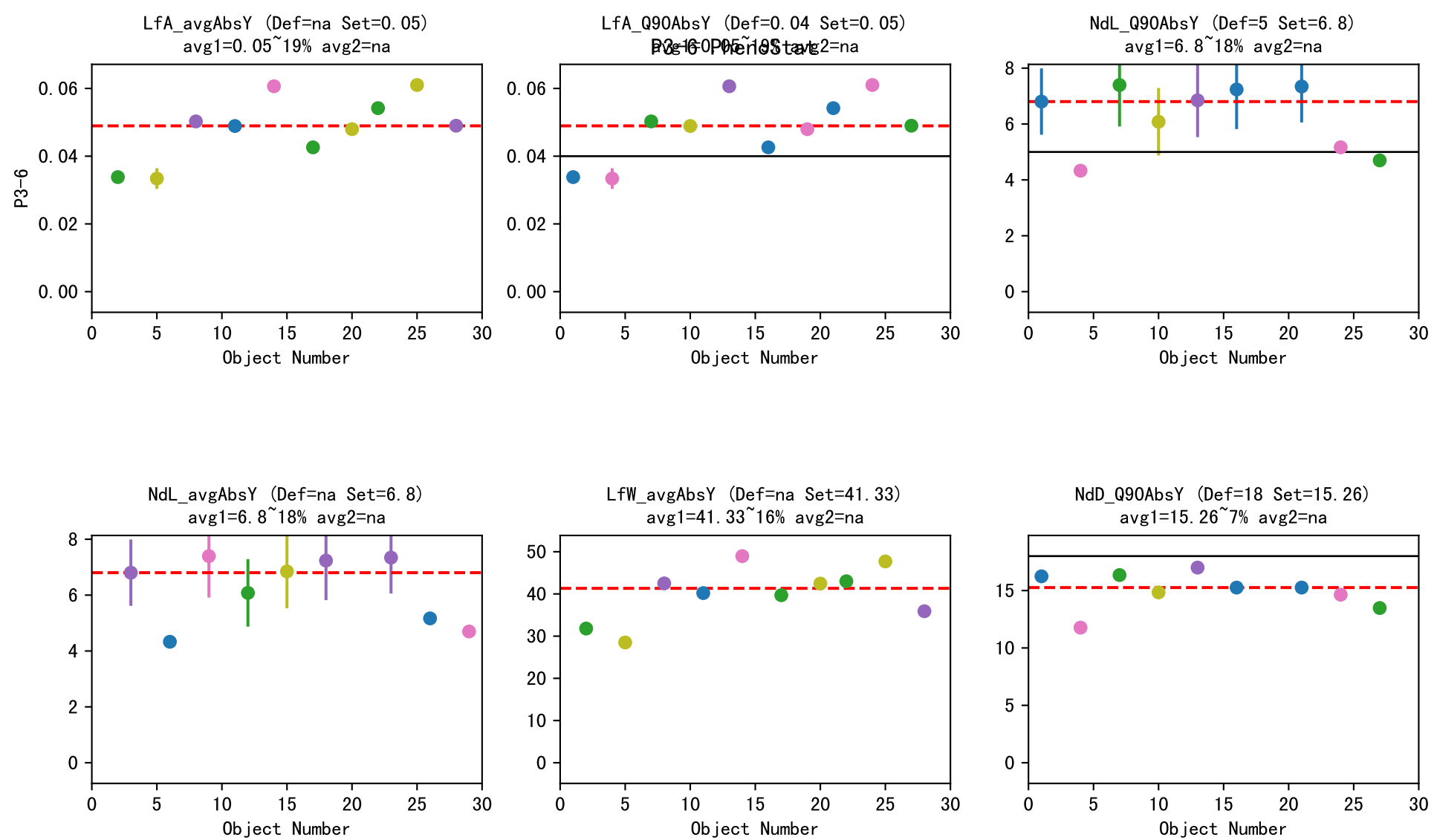
P3-6 TrimFruit



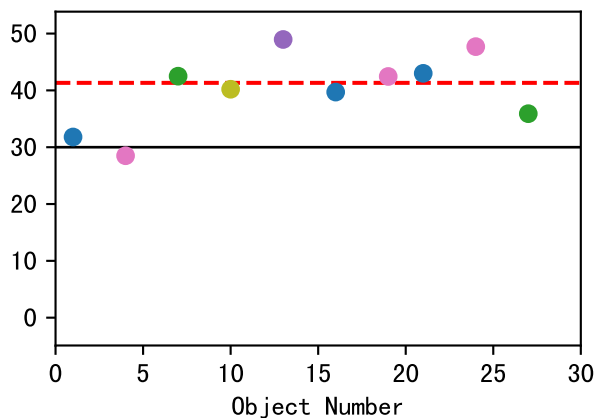
FruitNumMaxPerTruss (Def=na Set=5)

avg1=5.0~0% avg2=na

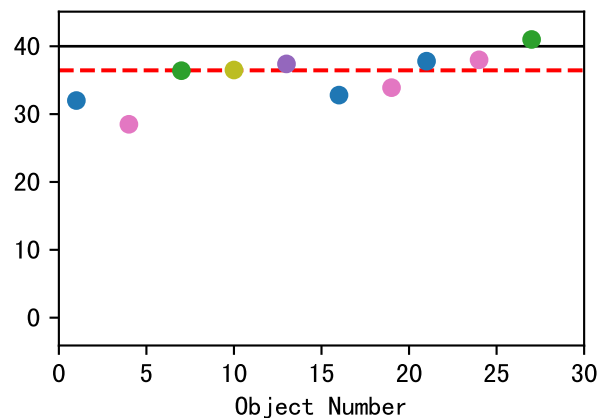




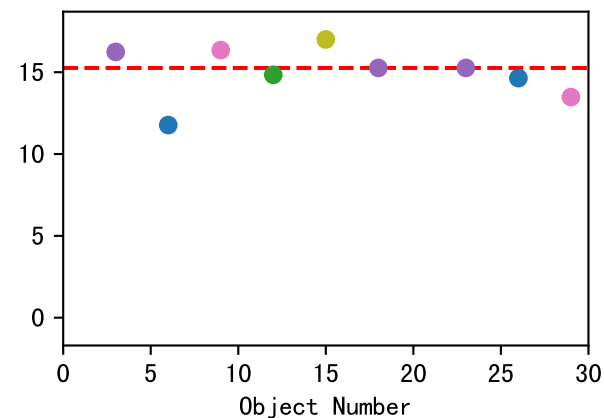
LfW_Q90AbsY (Def=30 Set=41.33)
avg1=41.33~16% avg2=na



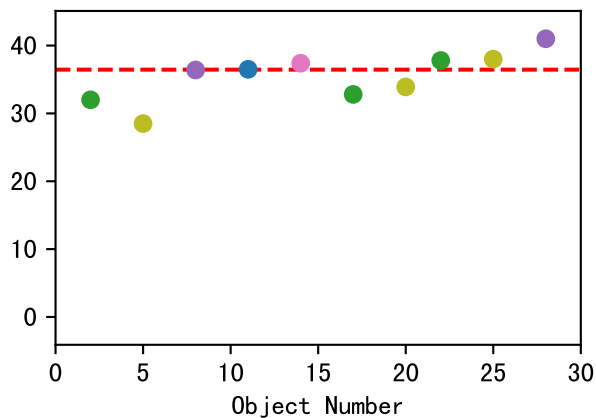
LfL_Q90AbsY (Def=40 Set=36.45)
avg1=36.45~10% avg2=na



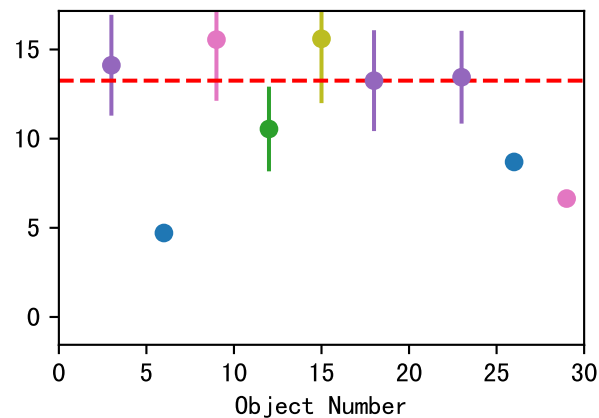
NdD_avgAbsY (Def=na Set=15.26)
avg1=15.26~7% avg2=na



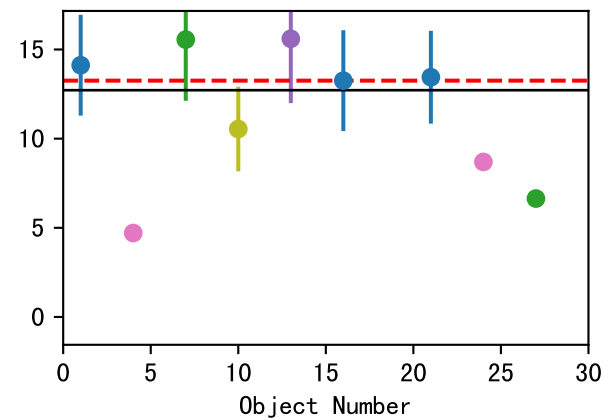
LfL_avgAbsY (Def=na Set=36.45)
avg1=36.45~10% avg2=na



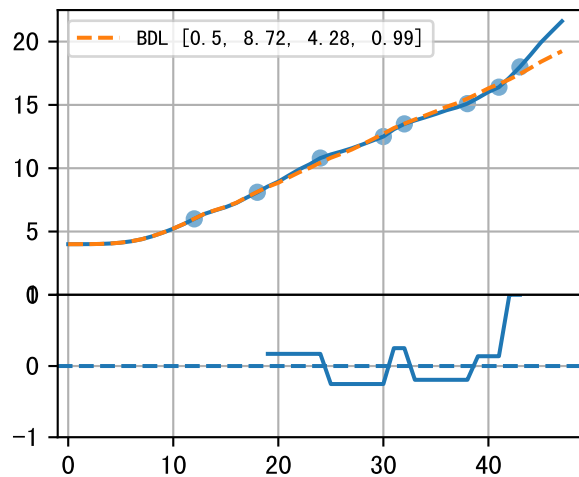
NdV_avgAbsY (Def=na Set=13.25)
avg1=13.25~30% avg2=na



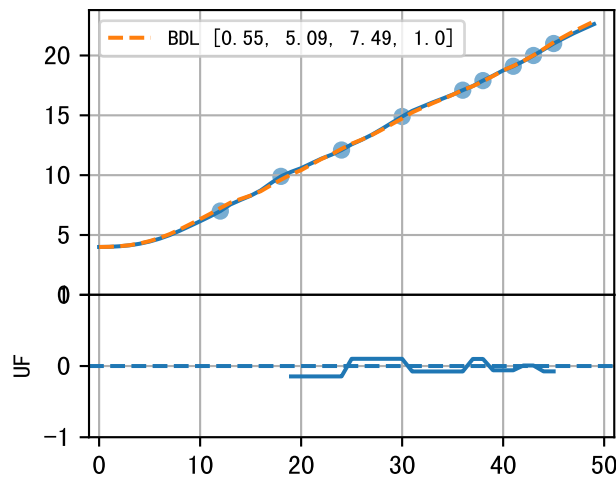
NdV_Q90AbsY (Def=12.72 Set=13.25)
avg1=13.25~30% avg2=na



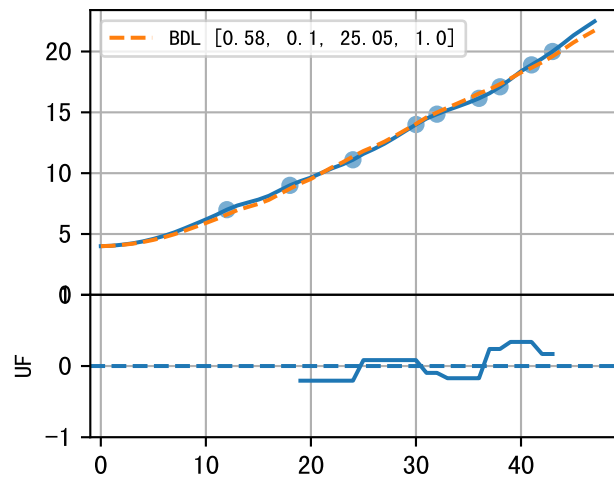
P3-6-003-24 (fit failed)



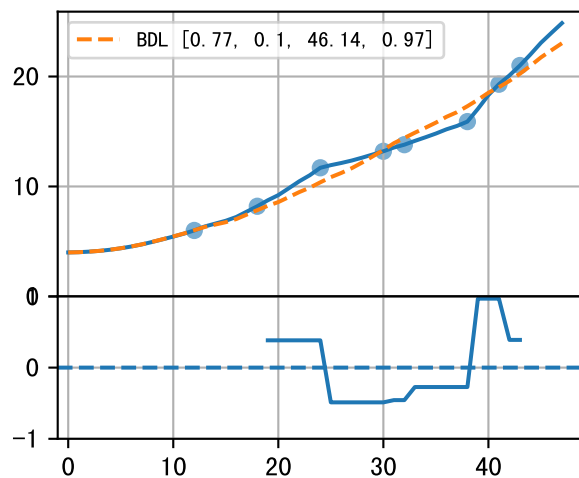
P3-6-007-11 (fit failed)



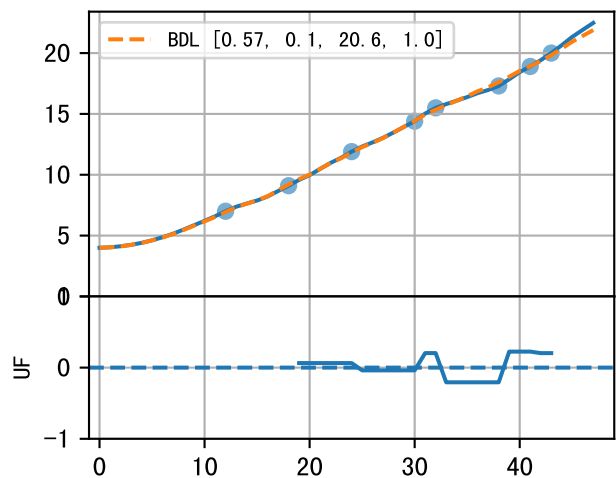
P3-6-011-7 (fit failed)



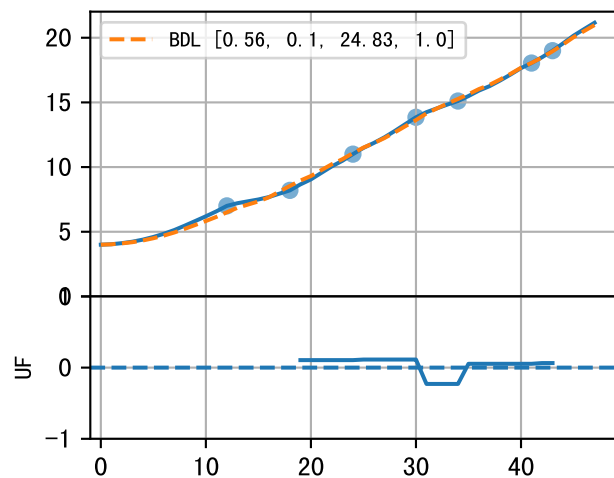
P3-6-015-30 (fit failed)



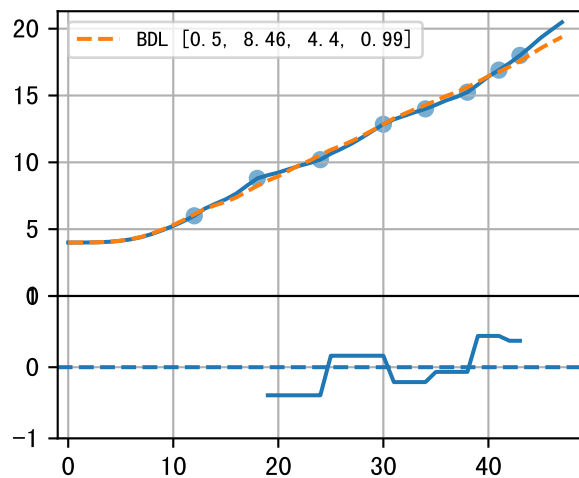
P3-6-019-12 (fit failed)



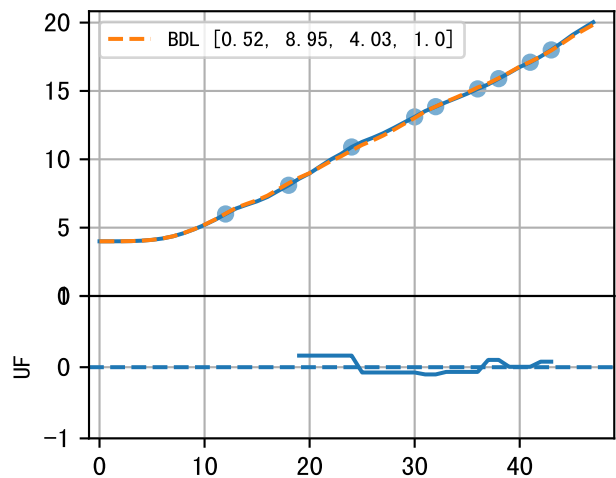
P3-6-024-25 (fit failed)



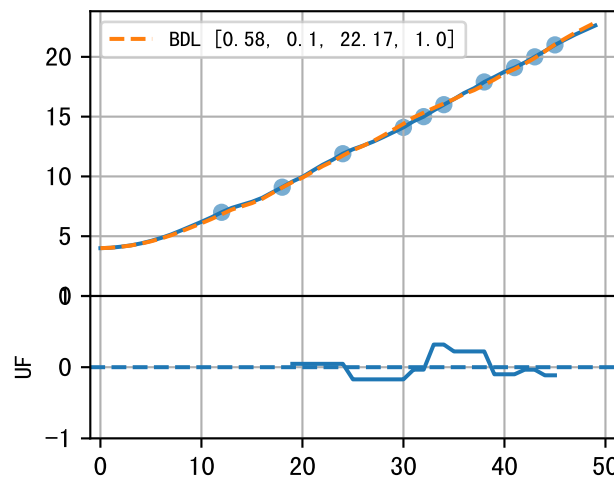
P3-6-028-32 (fit failed)



P3-6-033-9 (fit failed)

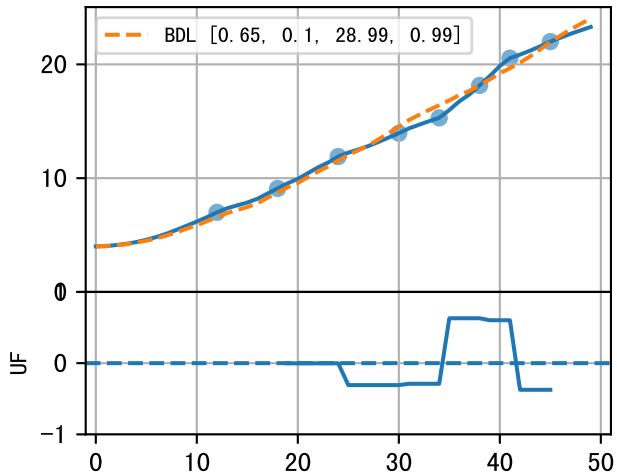


P3-6-038-21 (fit failed)



P3-6-042-4 (fit failed)

NdN

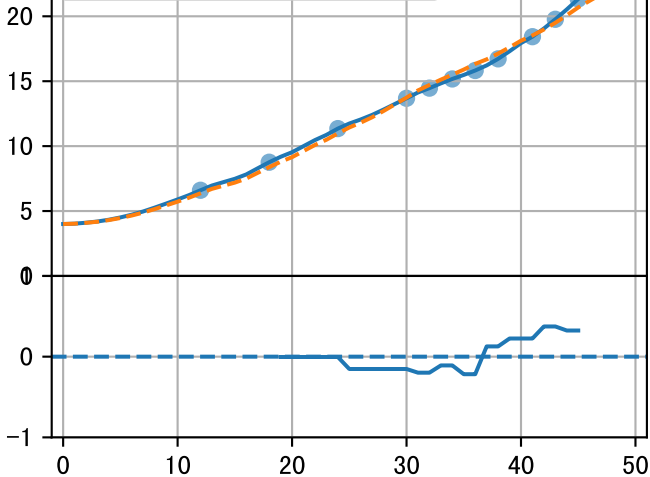


P3-6avg (fit failed)

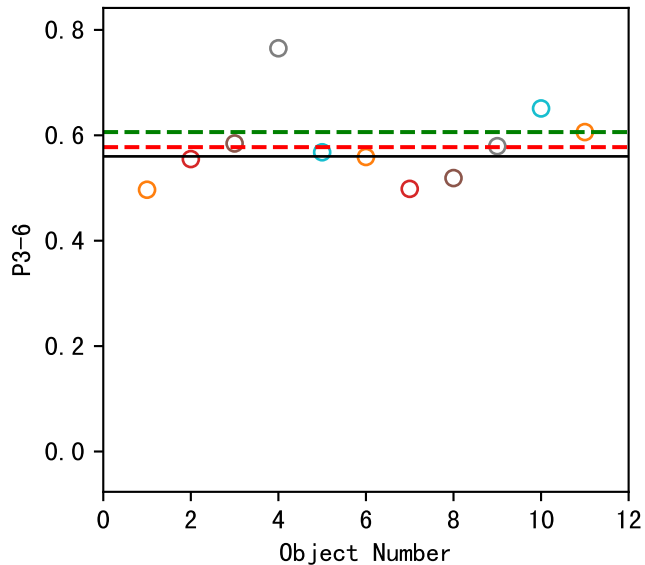
NdN

BDL [0.61, 0.1, 29.33, 0.99]

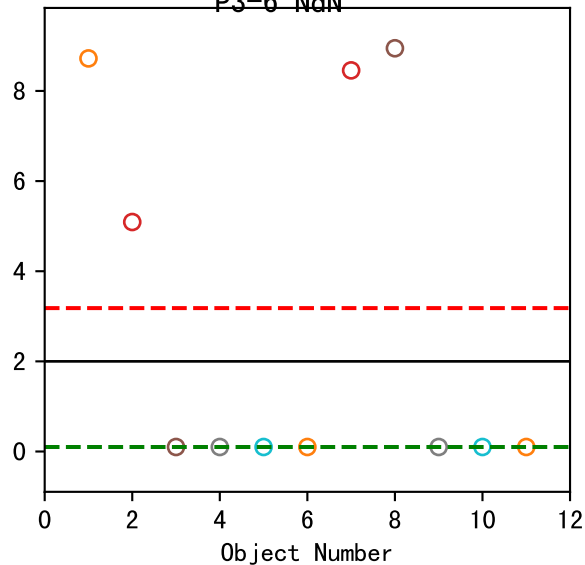
UF



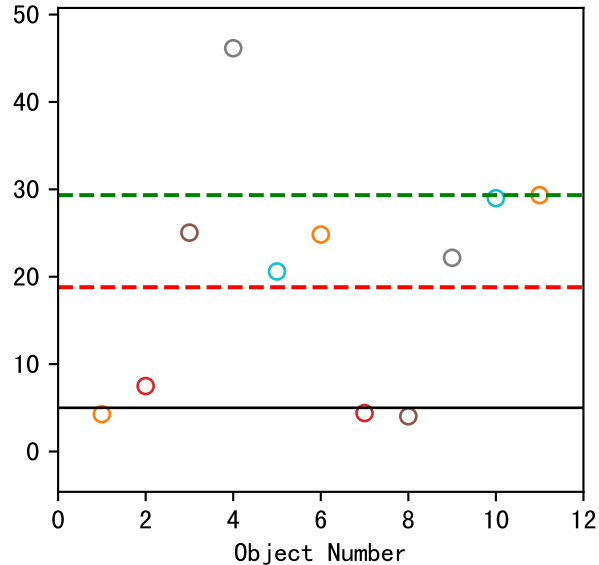
a (Def=0.56 Set=0.61)
avg1=0.58(fail) avg2=0.61



dm (Def=2 Set=0.1)
avg1=3.18(fail) avg2=0.1



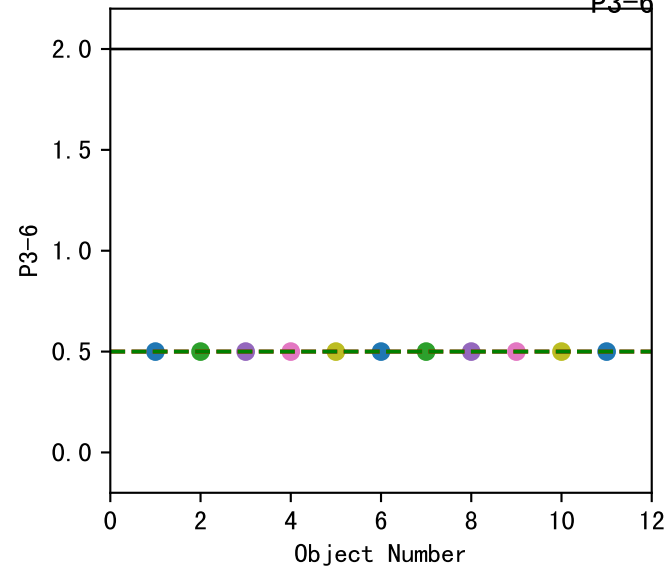
de (Def=5 Set=29.33)
avg1=18.8(fail) avg2=29.33



InitDev_dm (Def=2 Set=0.5)

avg1=0.5~0% avg2=0.5

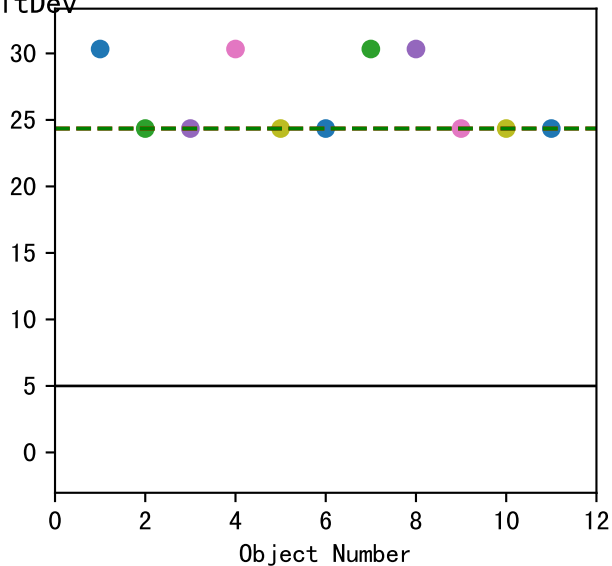
P3-6



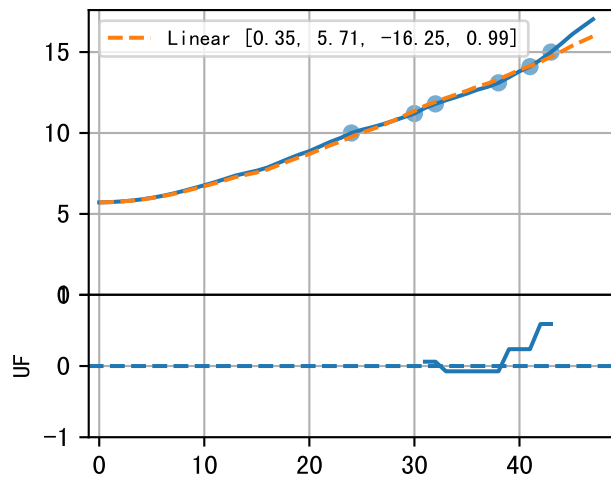
InitDev_de (Def=5 Set=24.35)

avg1=24.35~13% avg2=24.35

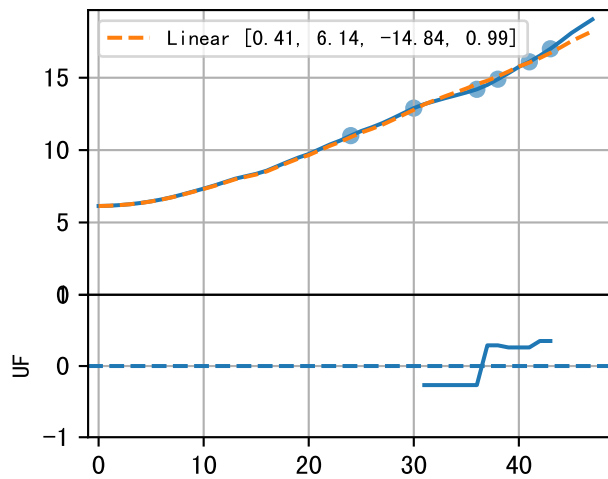
InitDev



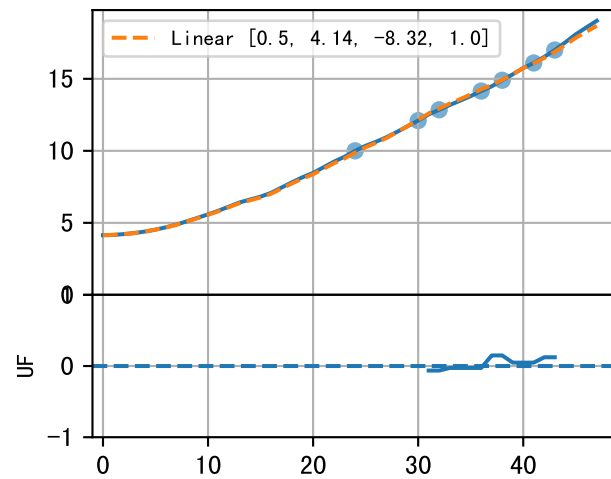
P3-6-003-24



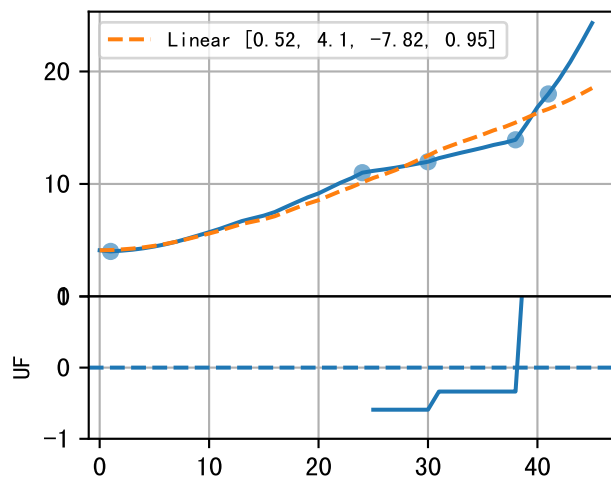
P3-6-007-11



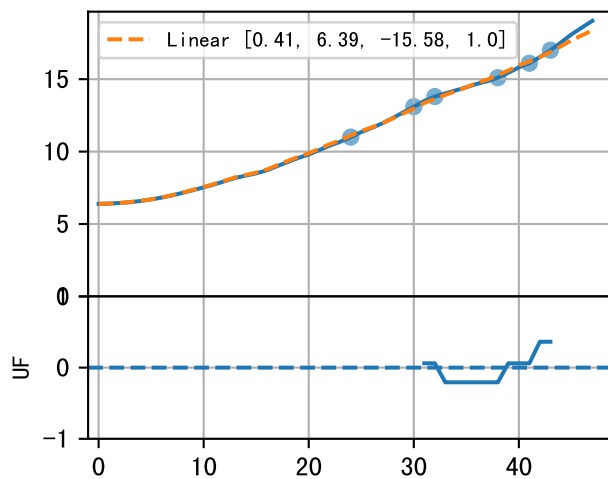
P3-6-011-7



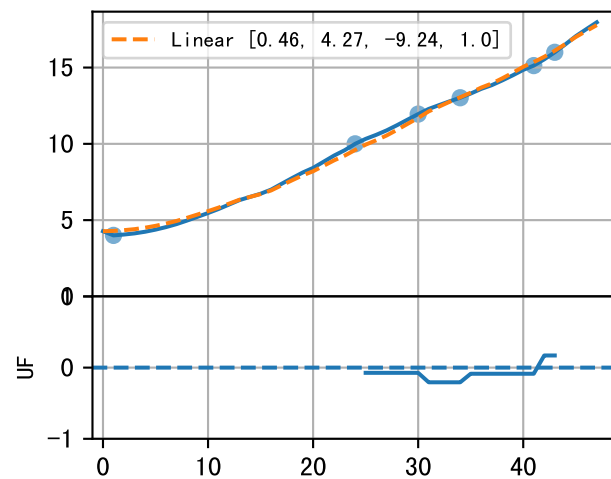
P3-6-015-30



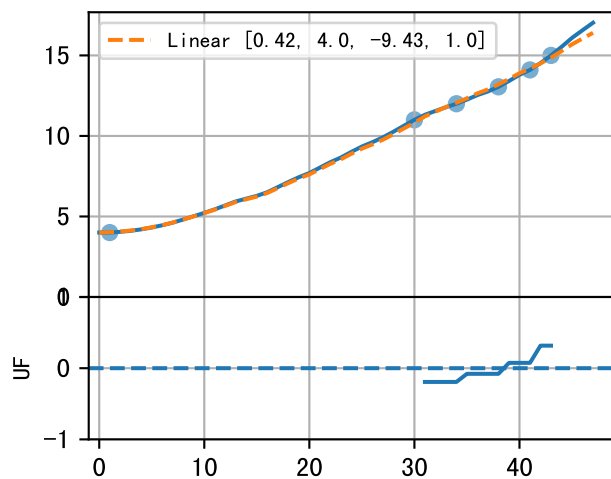
P3-6-019-12



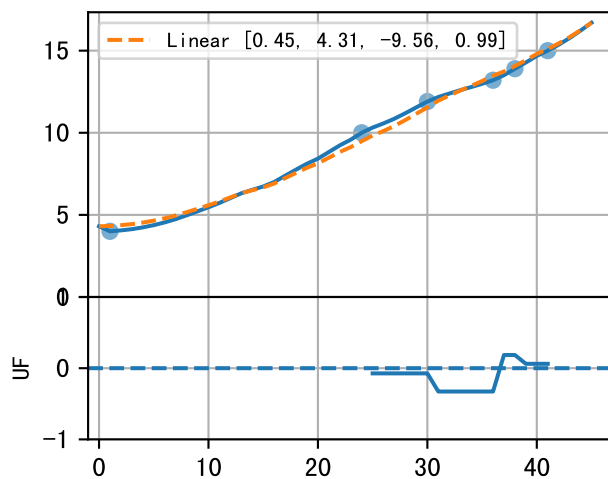
P3-6-024-25



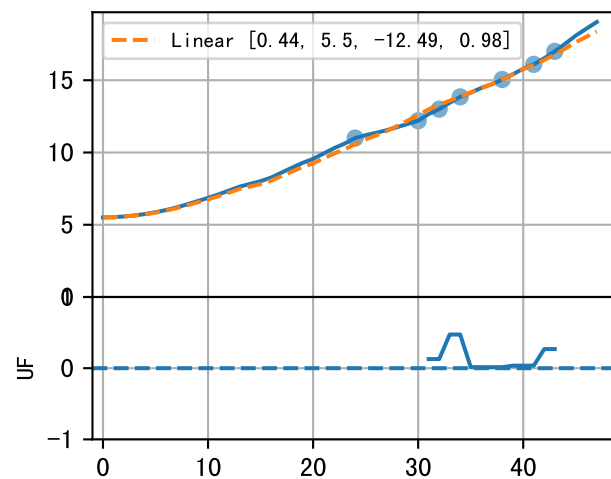
P3-6-028-32



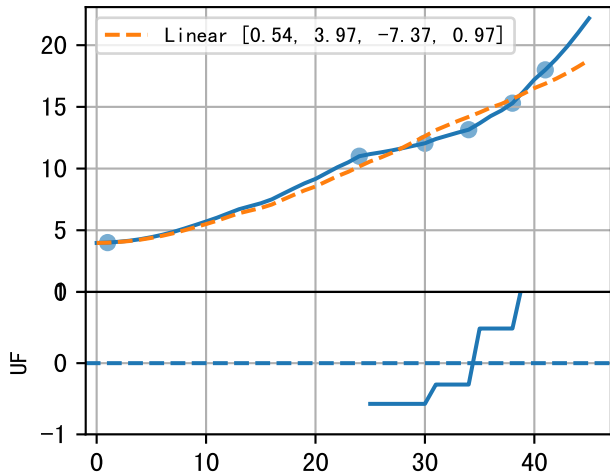
P3-6-033-9



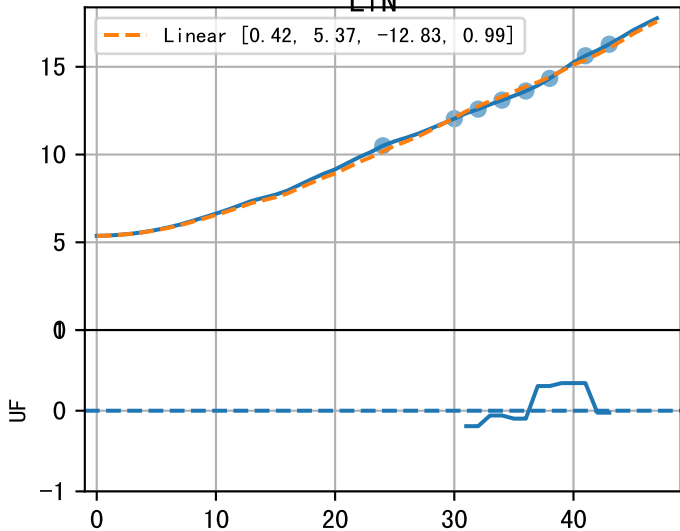
P3-6-038-21

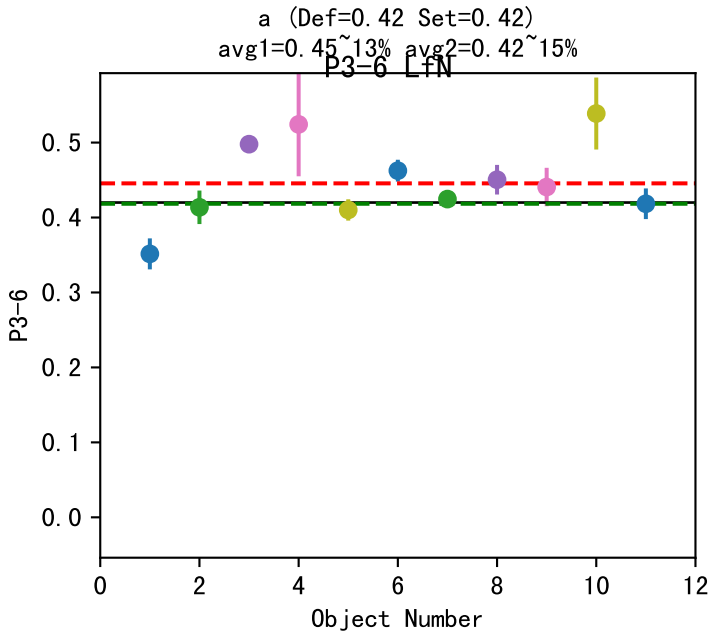


P3-6-042-4

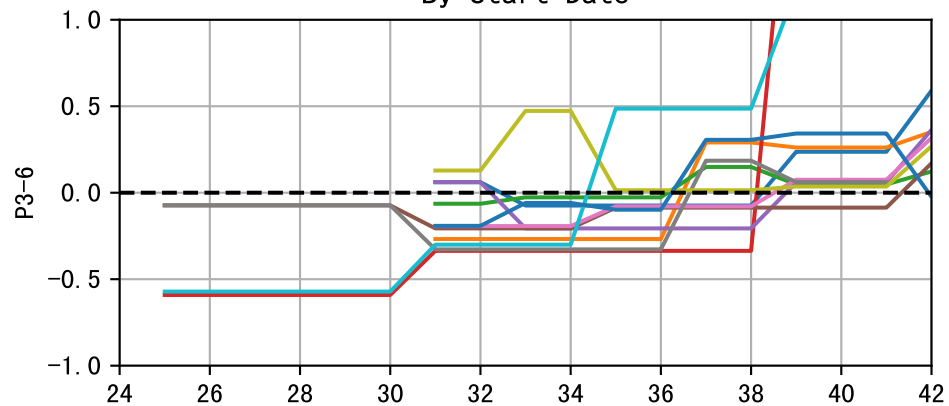


P3-6avg
Lfn

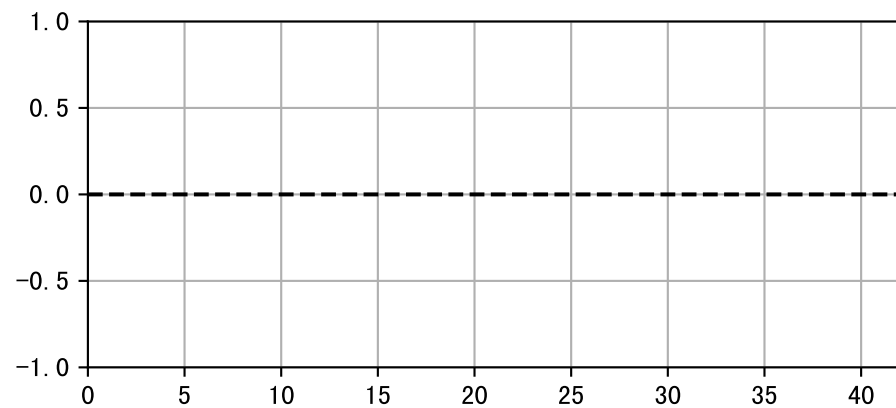
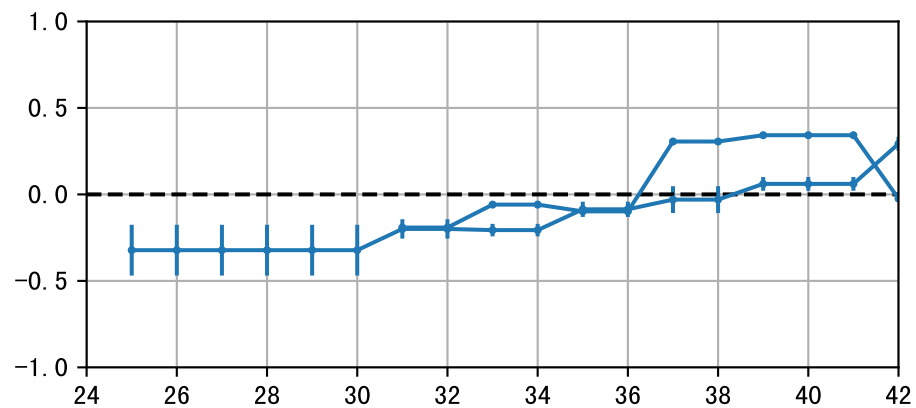
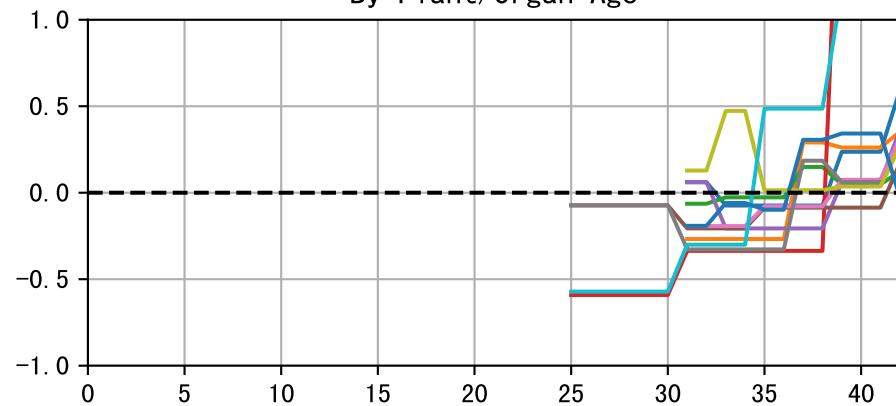




By Start Date

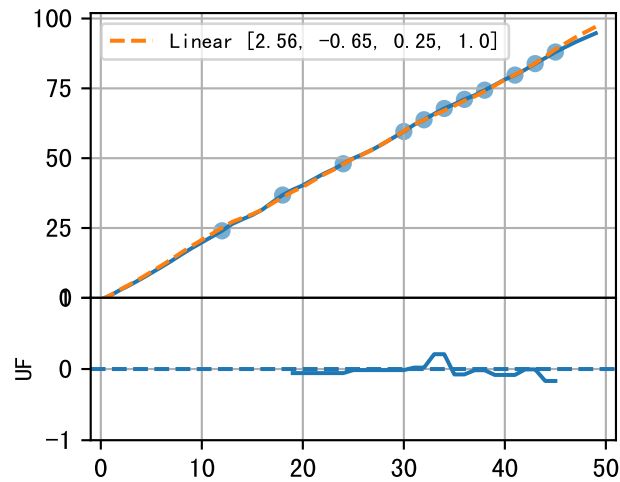


By Plant/Organ Age

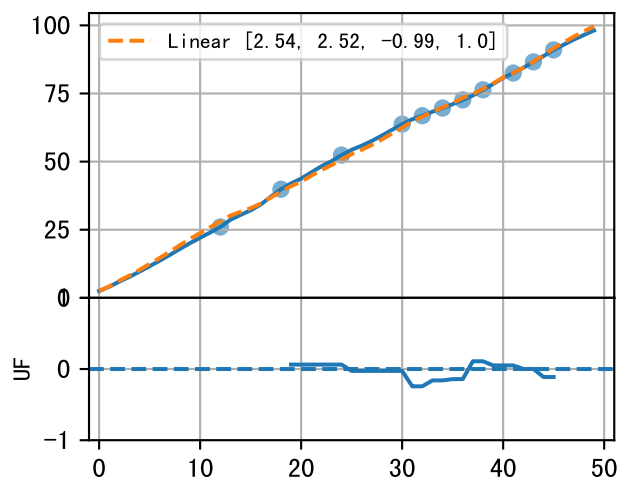


StH

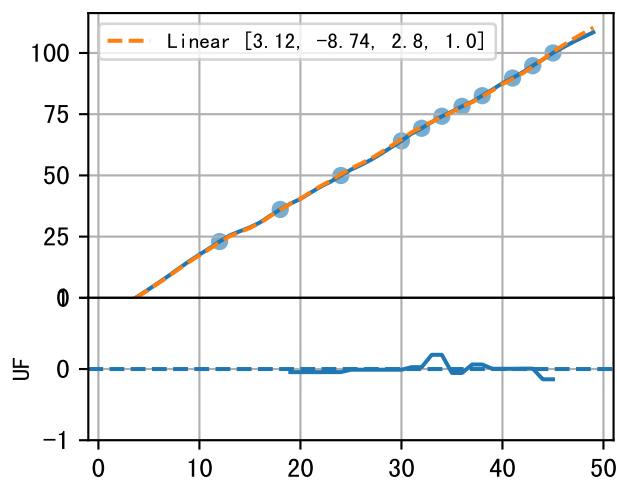
P3-6-003-24



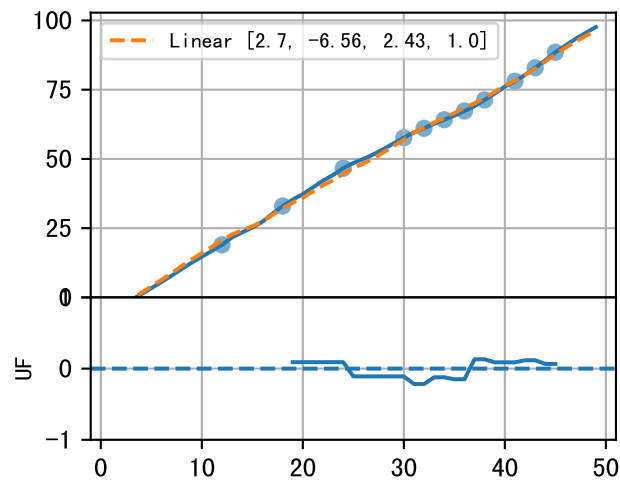
P3-6-007-11



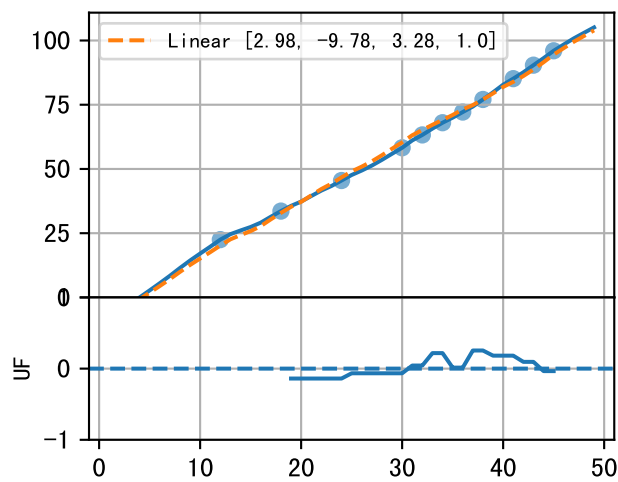
P3-6-011-7



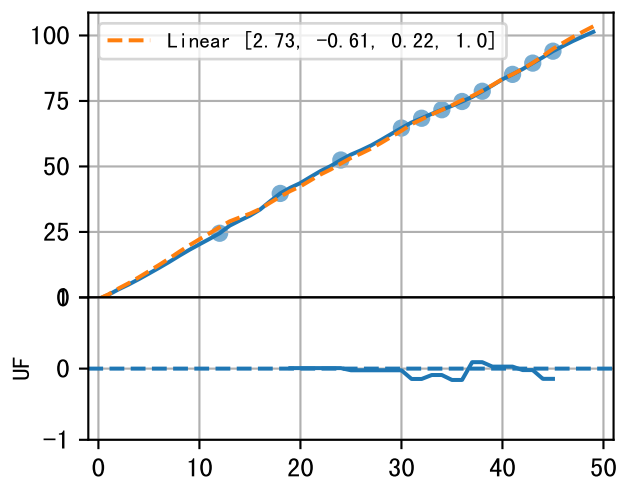
P3-6-015-30



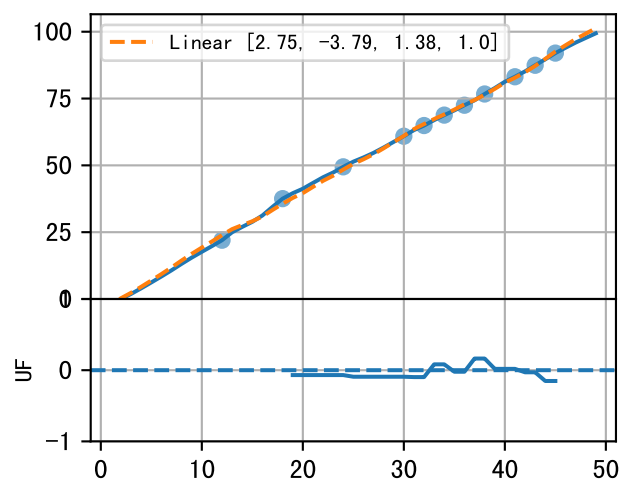
P3-6-019-12



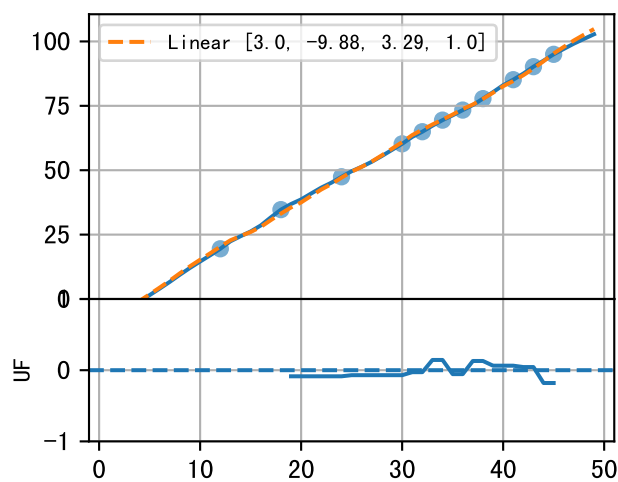
P3-6-024-25



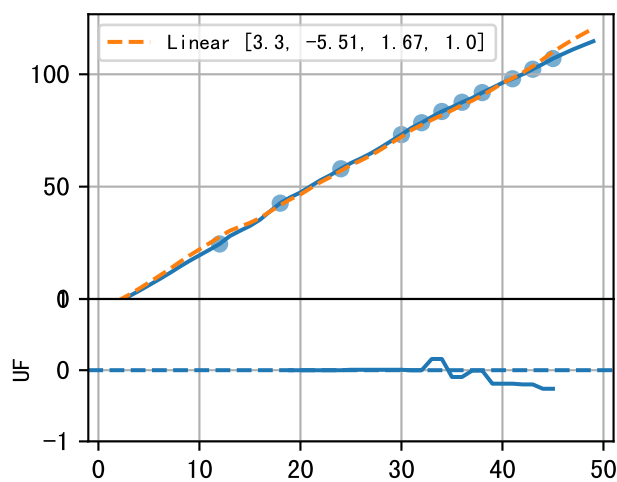
P3-6-028-32



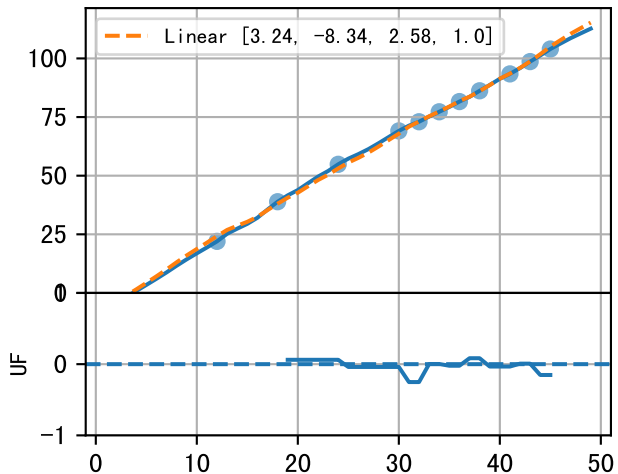
P3-6-033-9



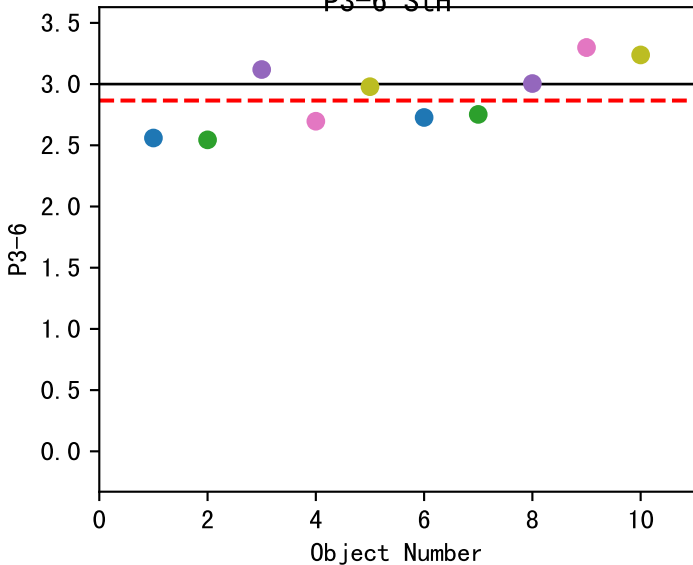
P3-6-038-21



P3-6-042-4

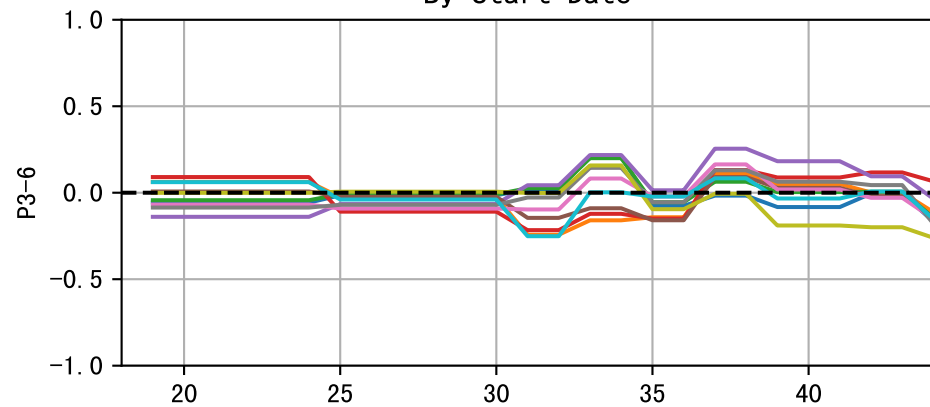


a (Def=3 Set=2.87)
avg1=2.87~10% avg2=na
P3-6 StH

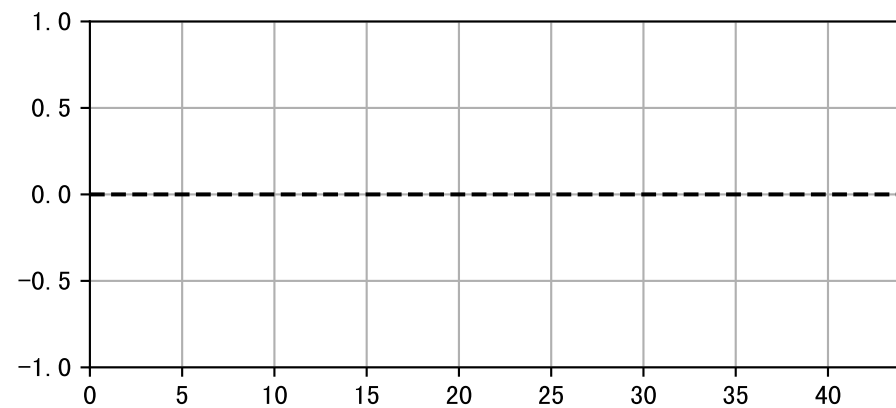
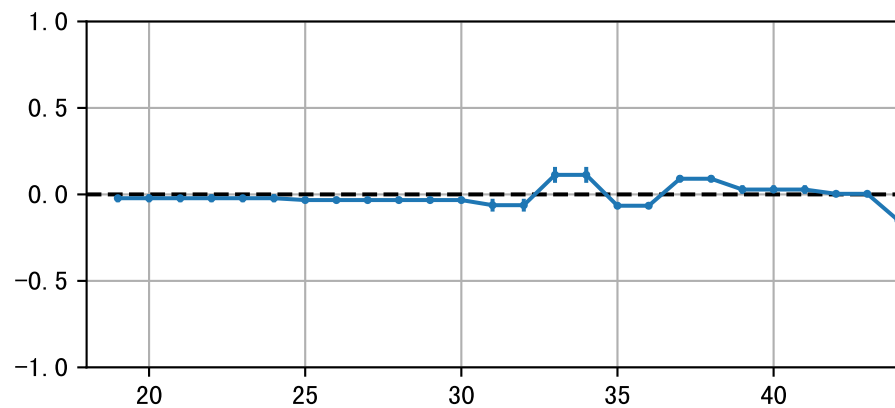
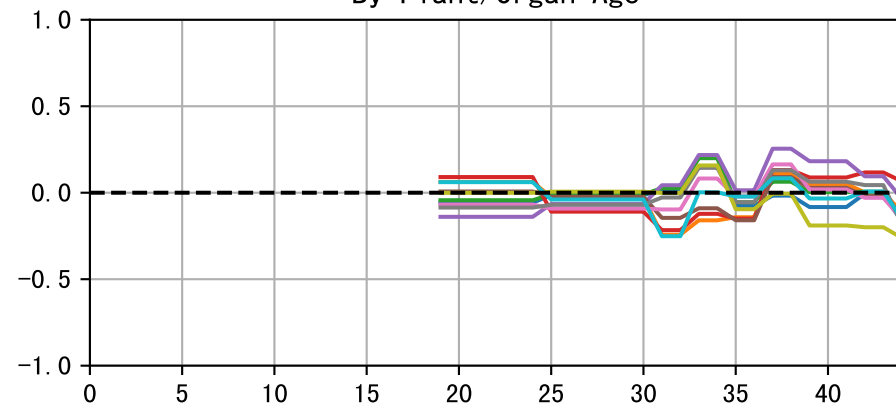


StH

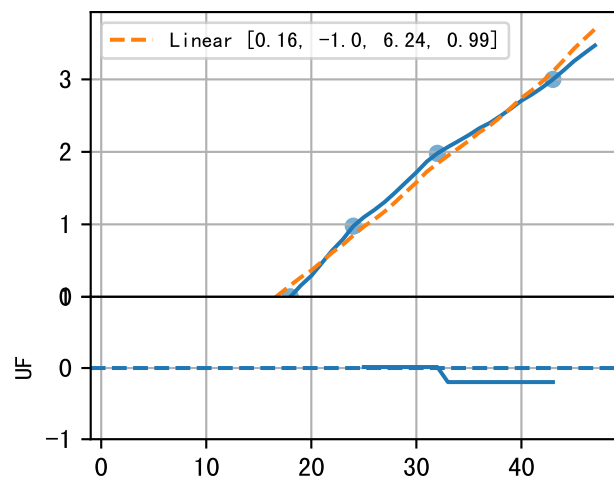
By Start Date



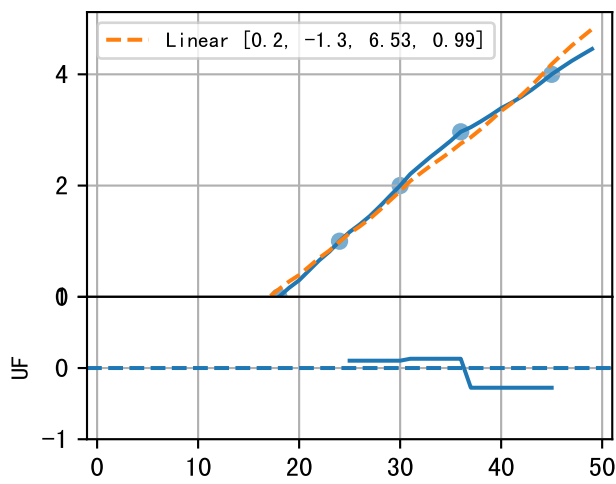
By Plant/Organ Age



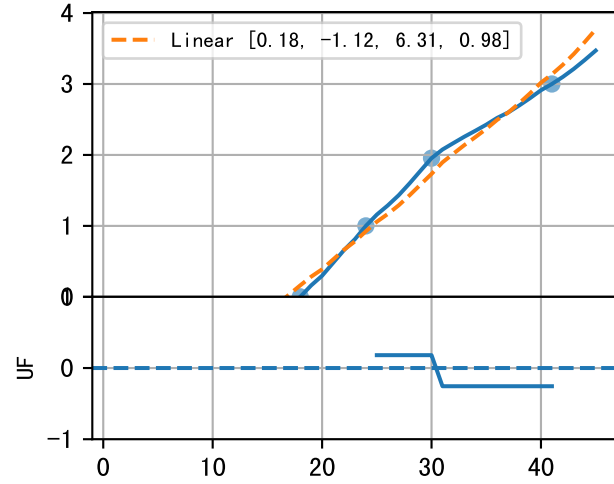
P3-6-003-24



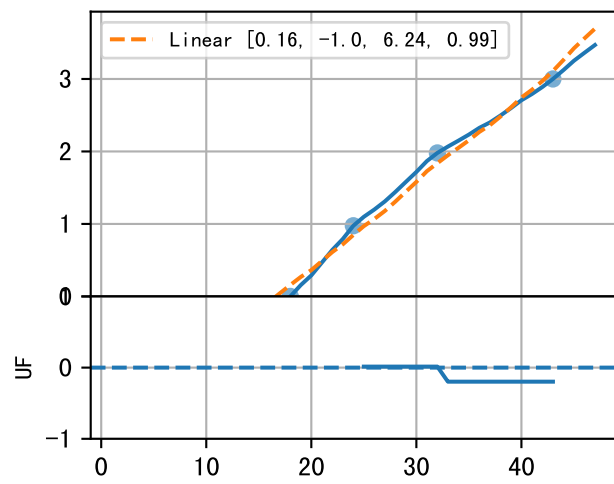
P3-6-007-11



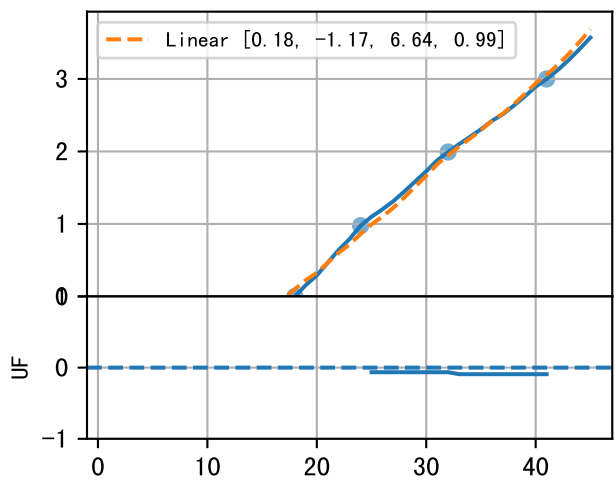
P3-6-011-7



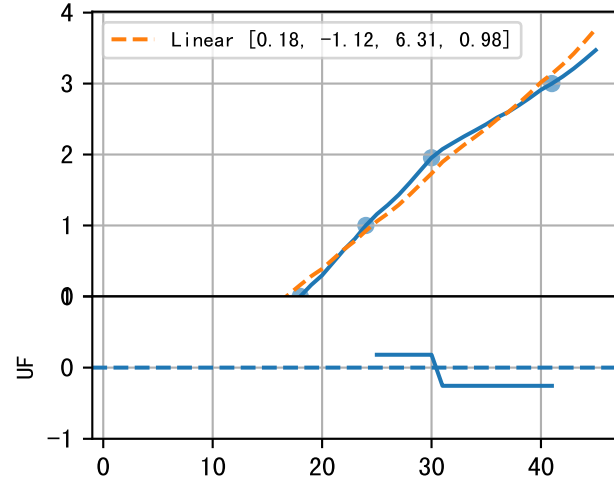
P3-6-015-30



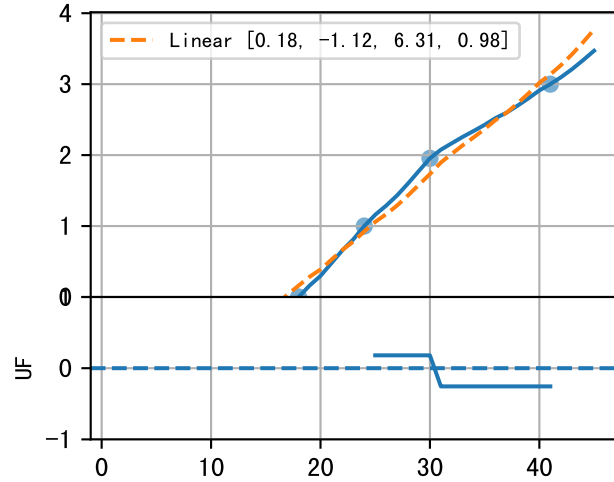
P3-6-019-12



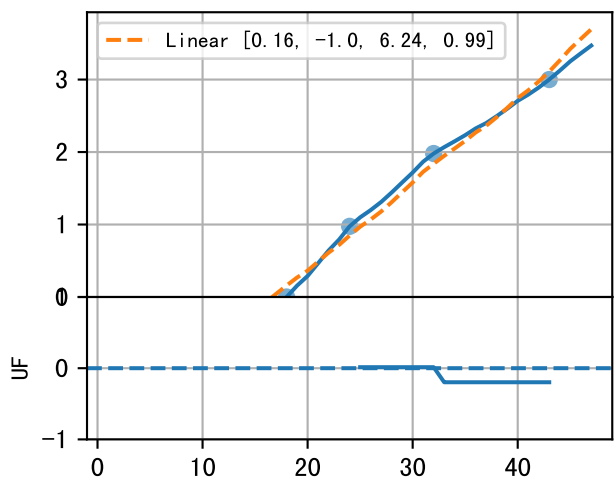
P3-6-024-25



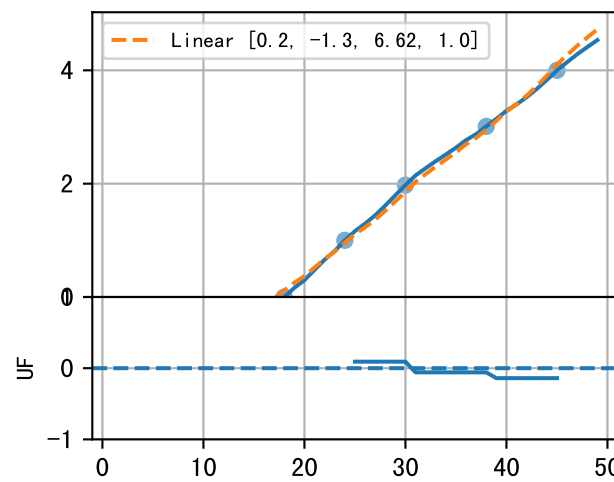
P3-6-028-32



P3-6-033-9

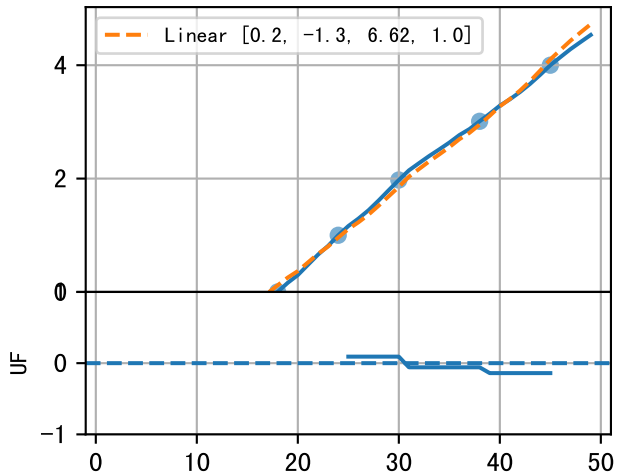


P3-6-038-21

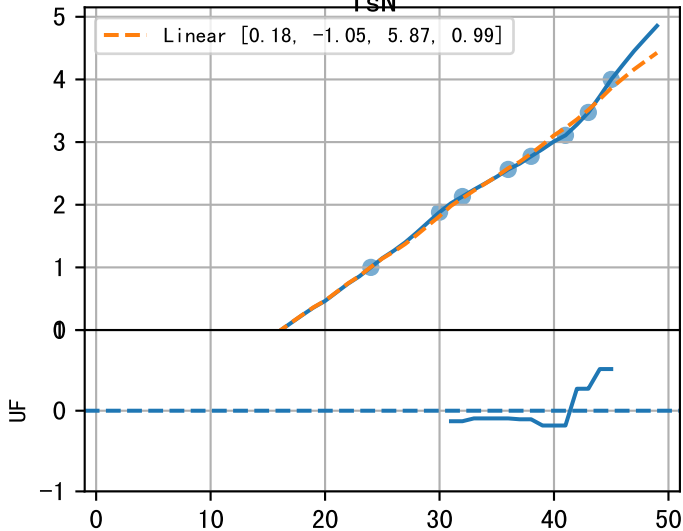


P3-6-042-4

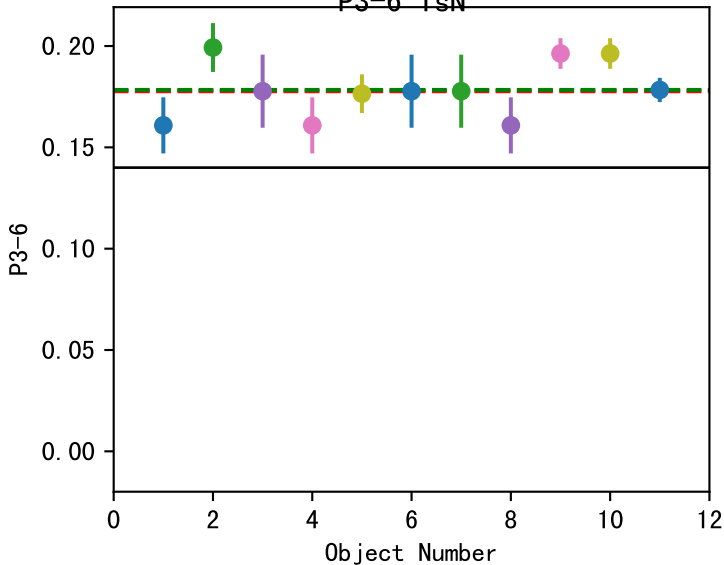
TsN



P3-6avg
TSN

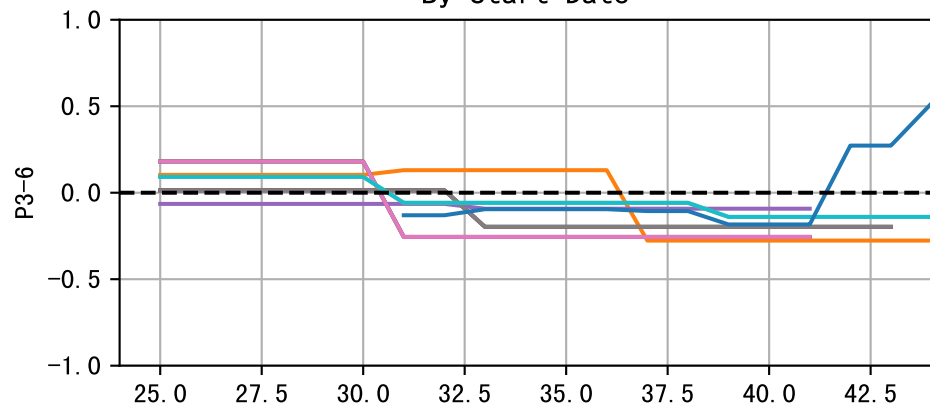


a (Def=0.14 Set=0.18)
avg1=0.18 $\sim$ 8% avg2=0.18 $\sim$ 10%
P3-6 TSN

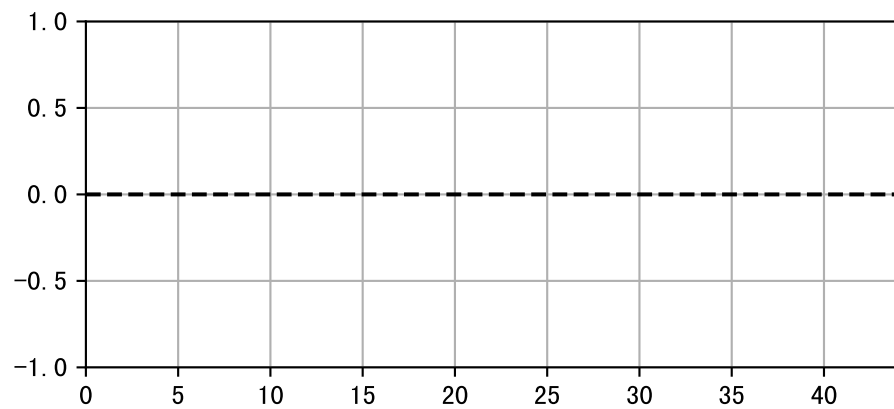
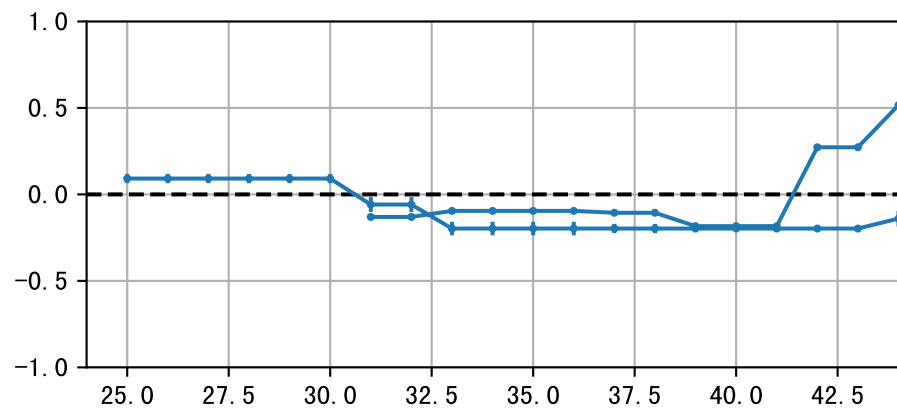
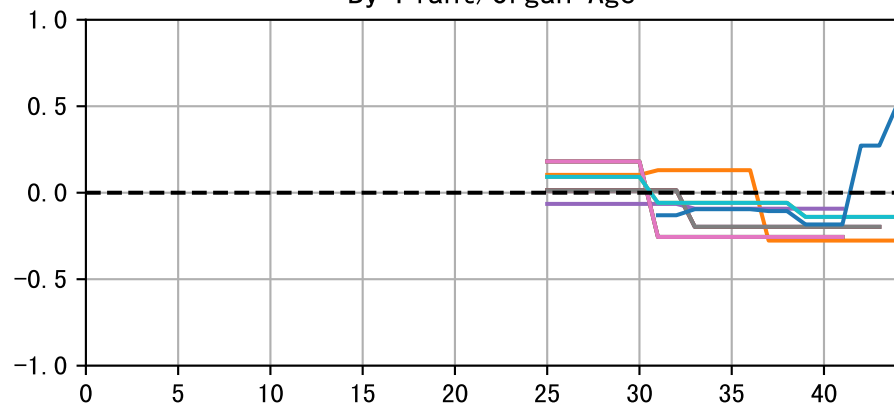


TsN

By Start Date

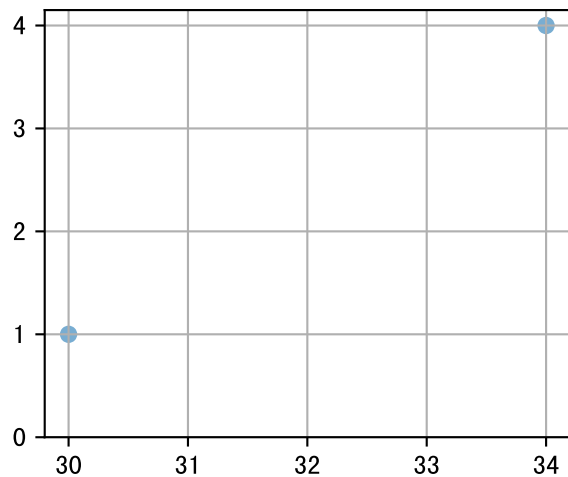


By Plant/Organ Age

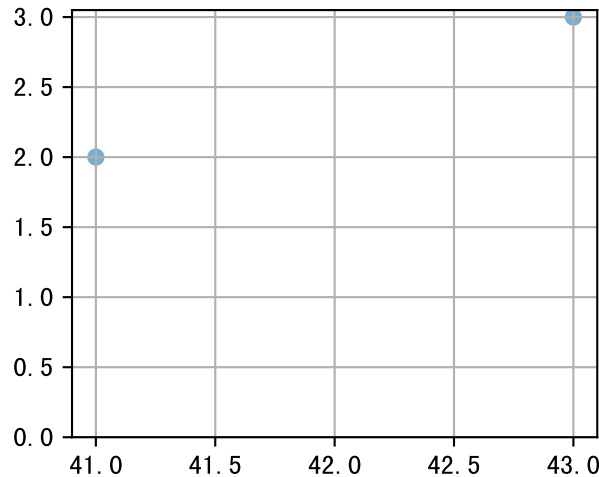


ErM

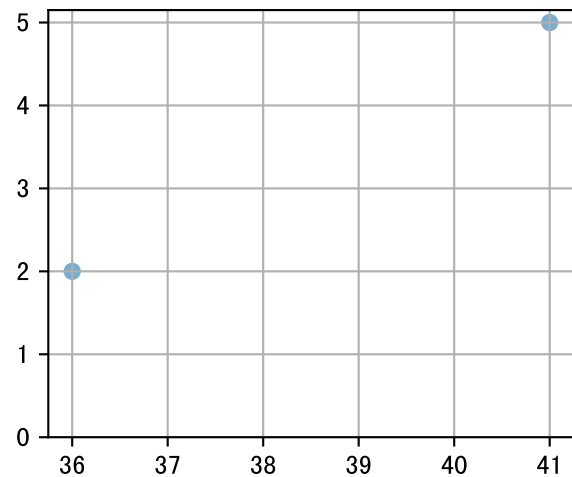
P3-6-003-24T1 (fit failed)



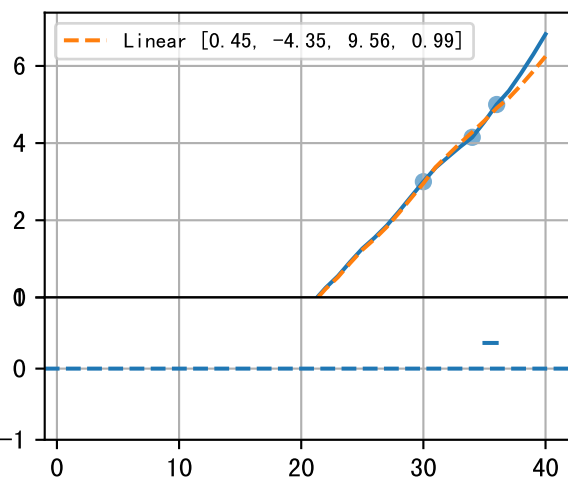
P3-6-003-24T2 (fit failed)



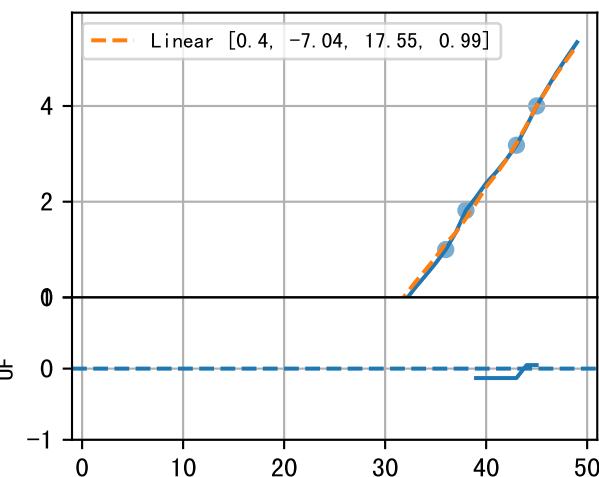
P3-6-007-11T2 (fit failed)



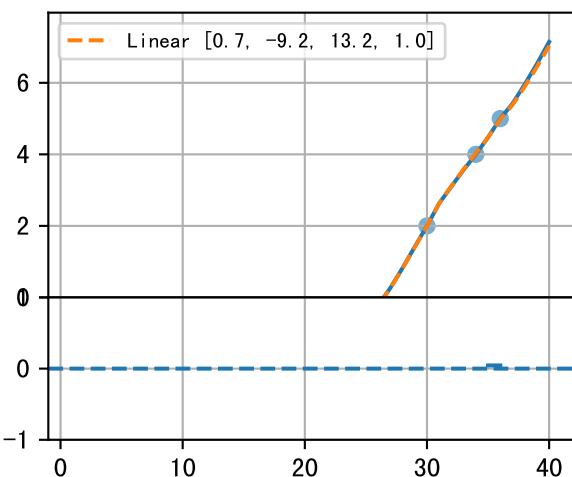
P3-6-011-7T1



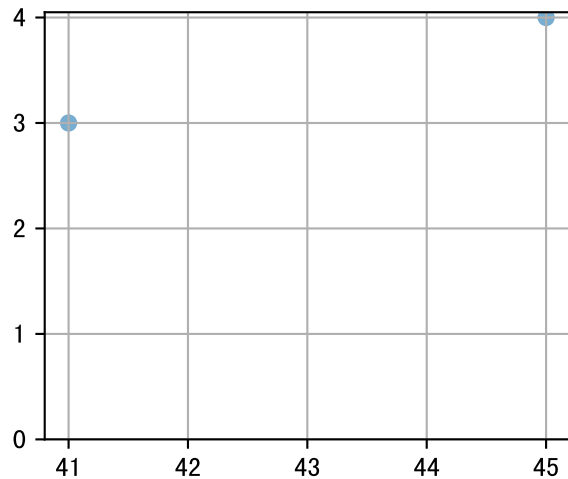
P3-6-011-7T2



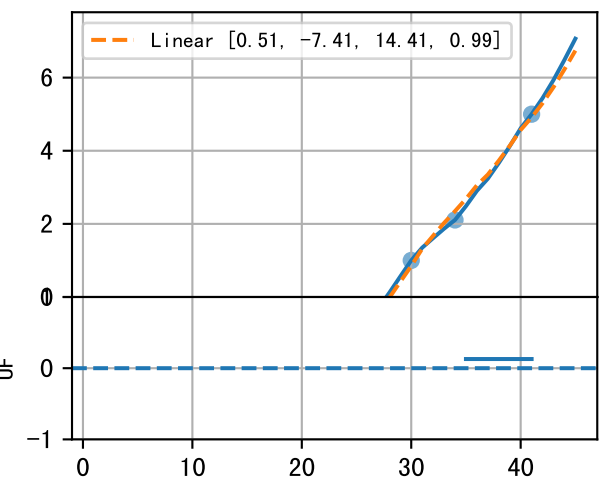
P3-6-015-30T1



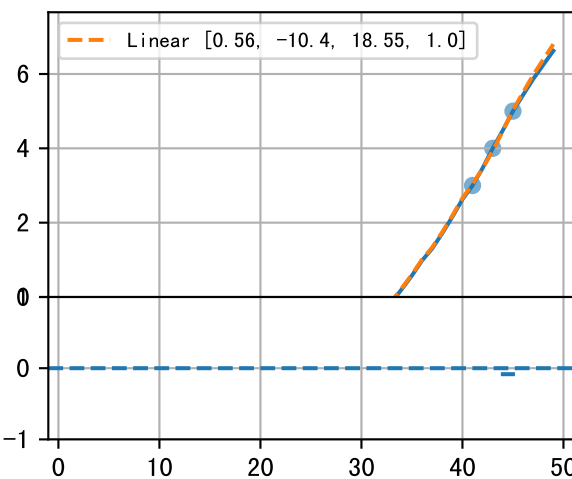
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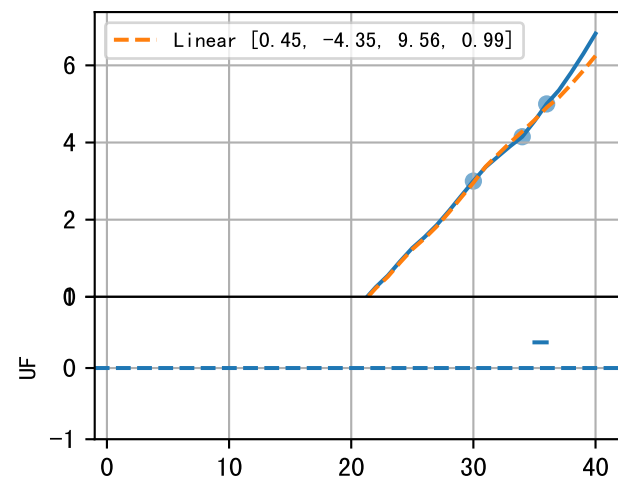
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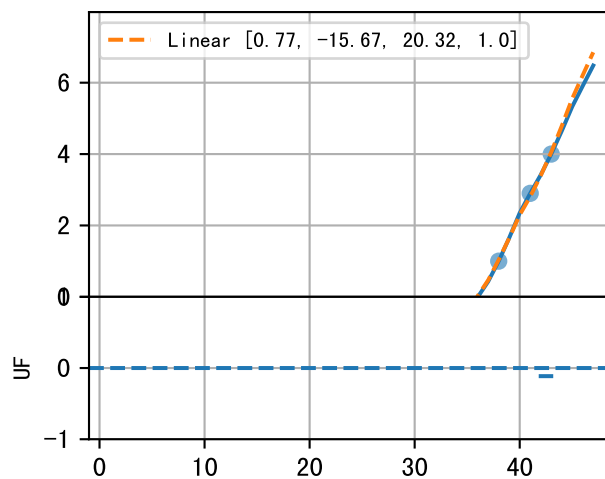
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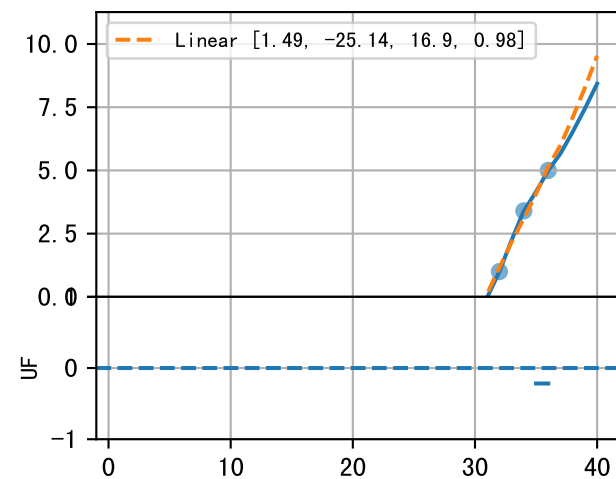
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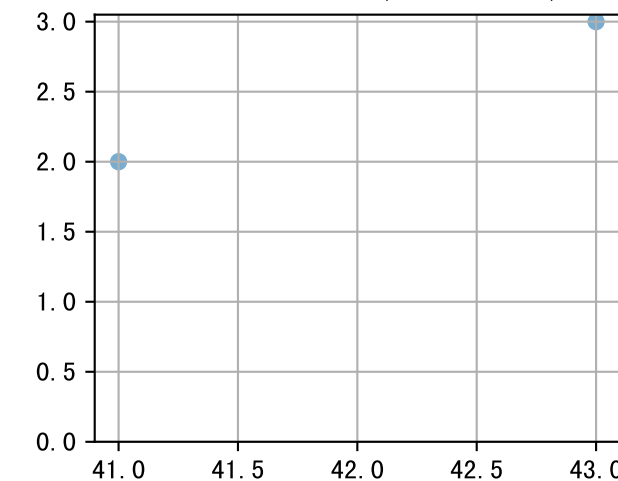
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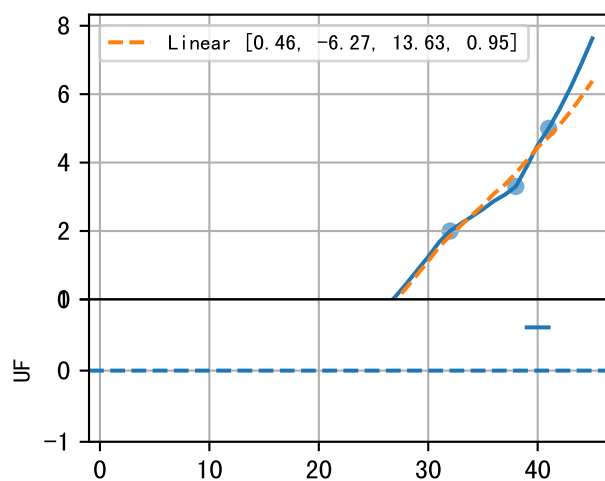
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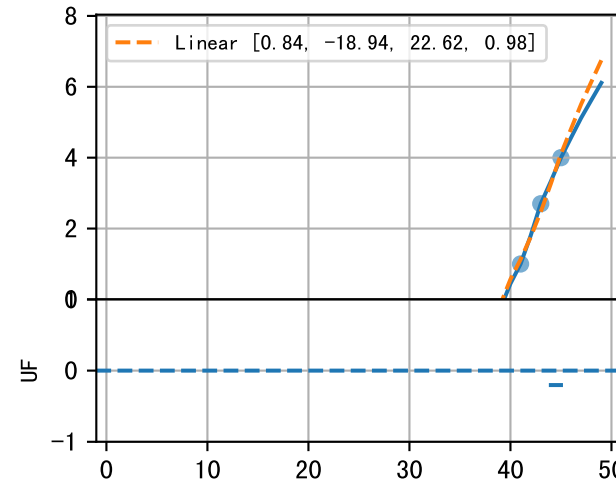
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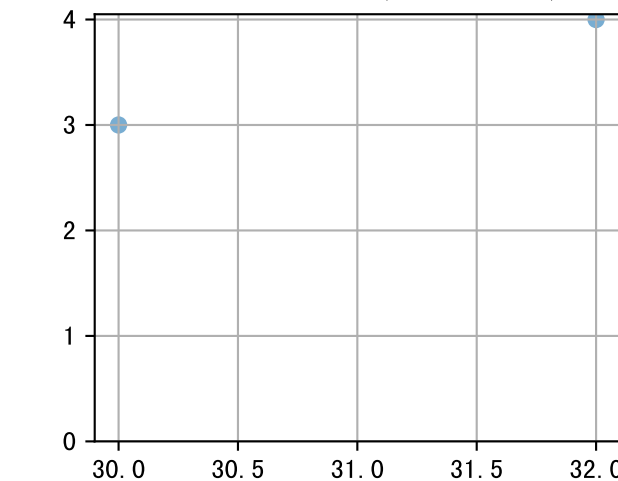
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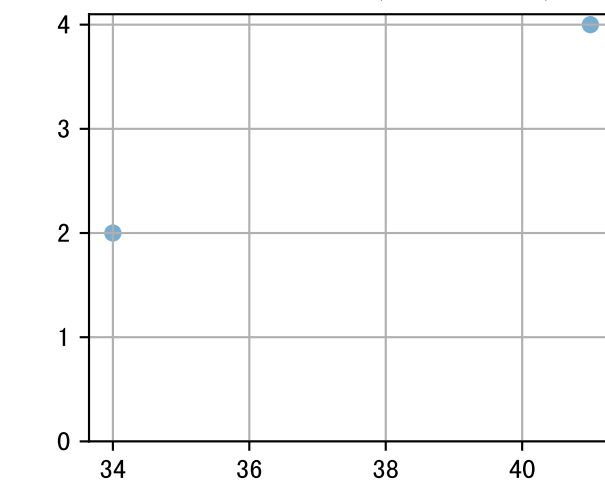
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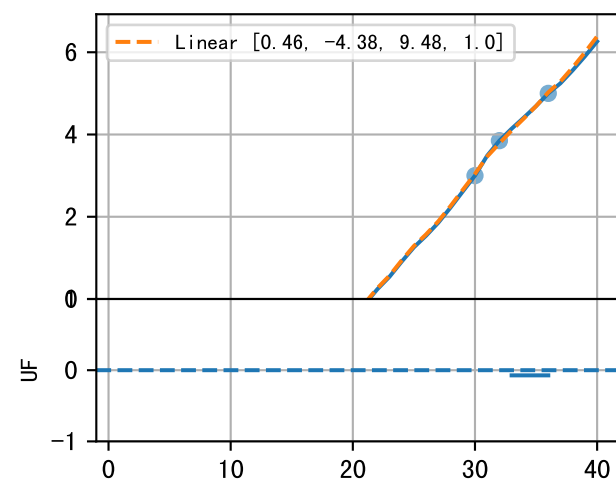
P3-6-038-21T1 (fit failed)



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

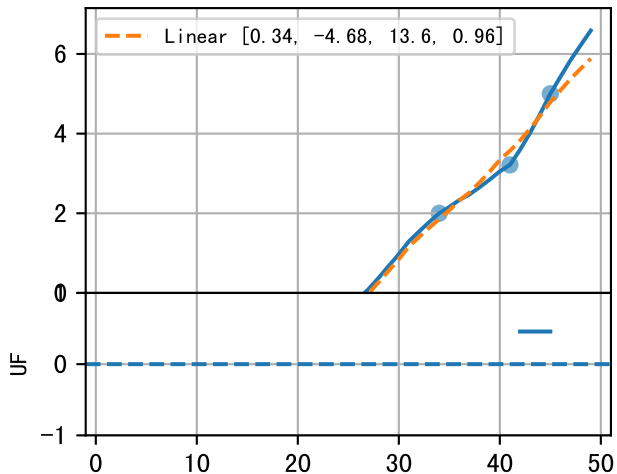


P3-6-042-4T1

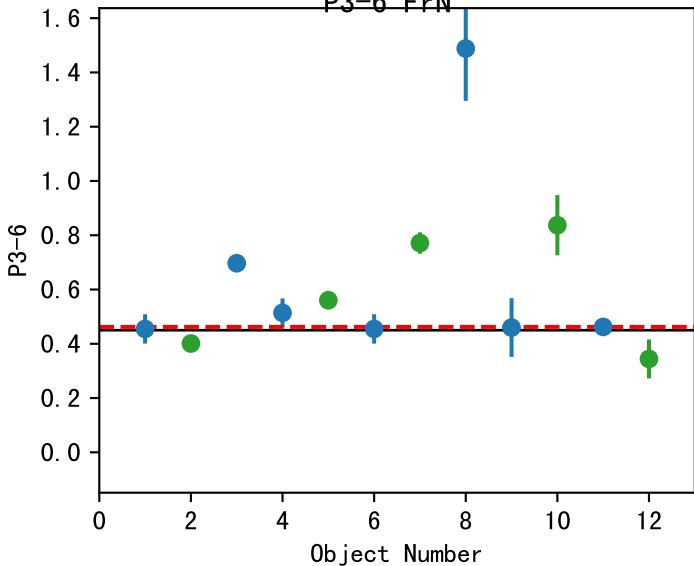


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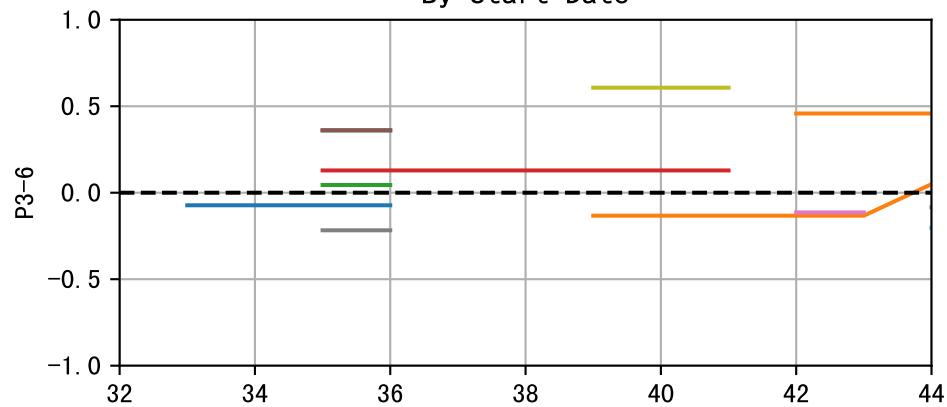
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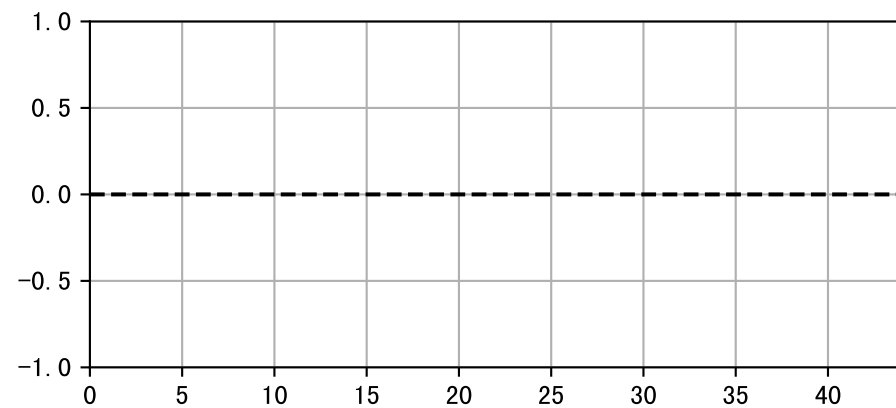
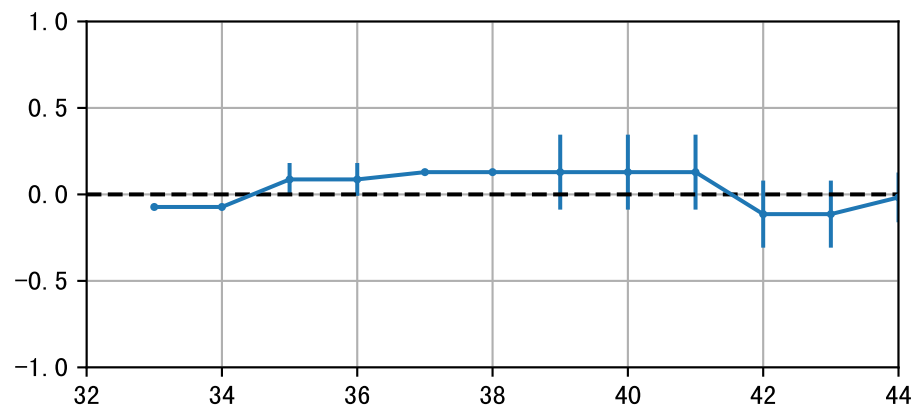
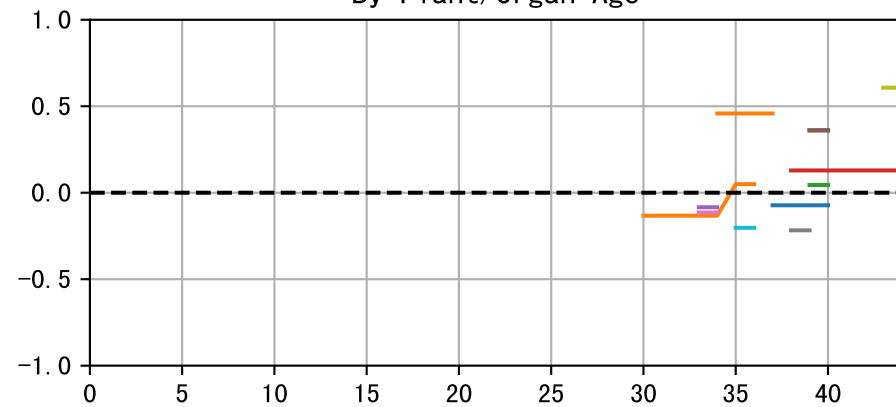
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avg1=0.46^{+34%} avg2=na



By Start Date

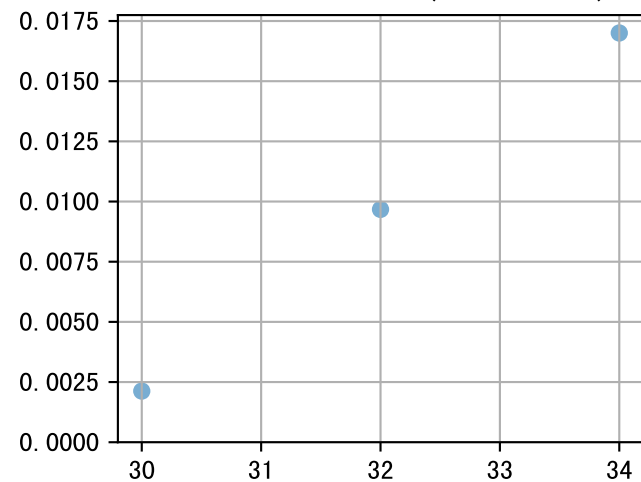


By Plant/Organ Age

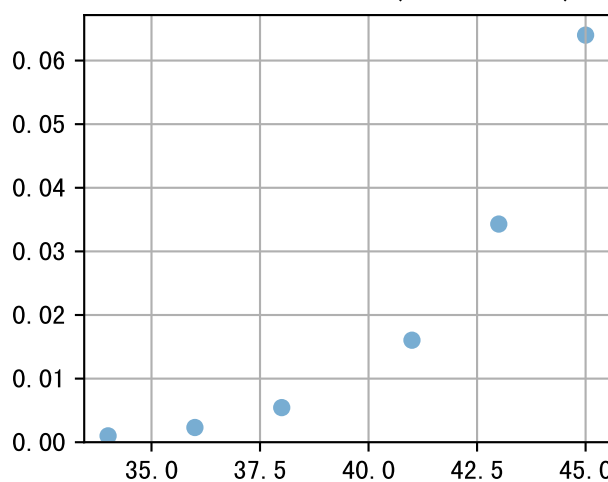


FrV

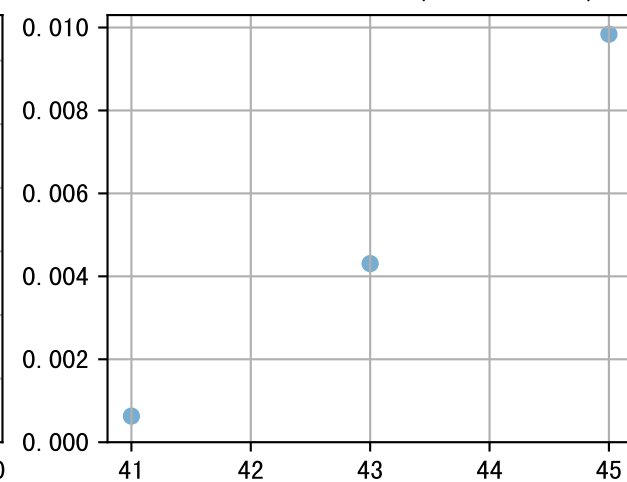
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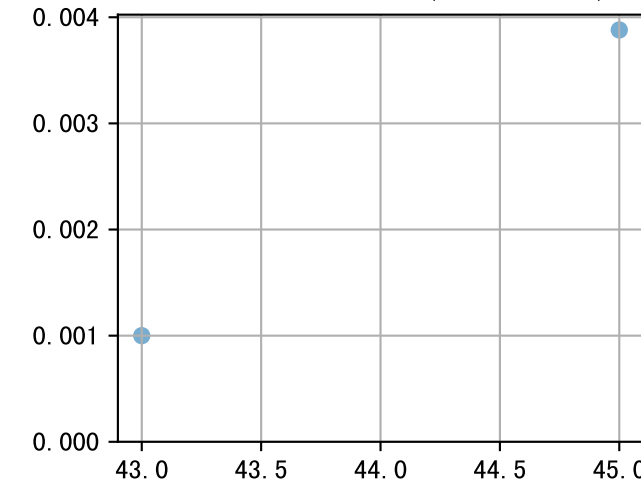
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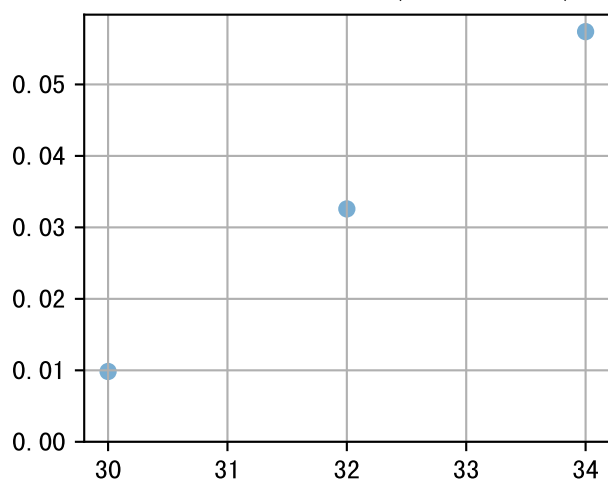
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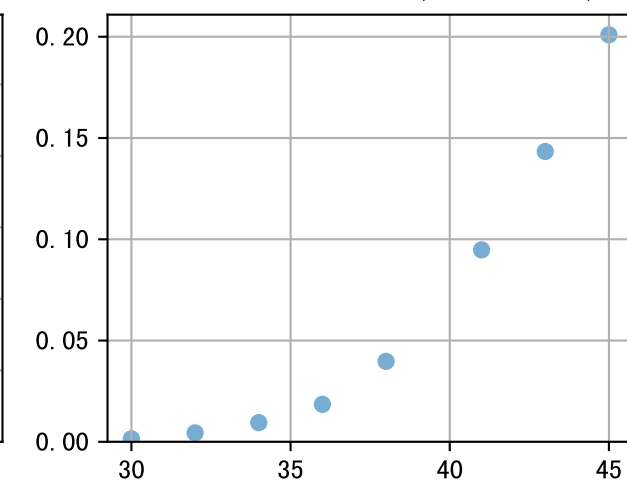
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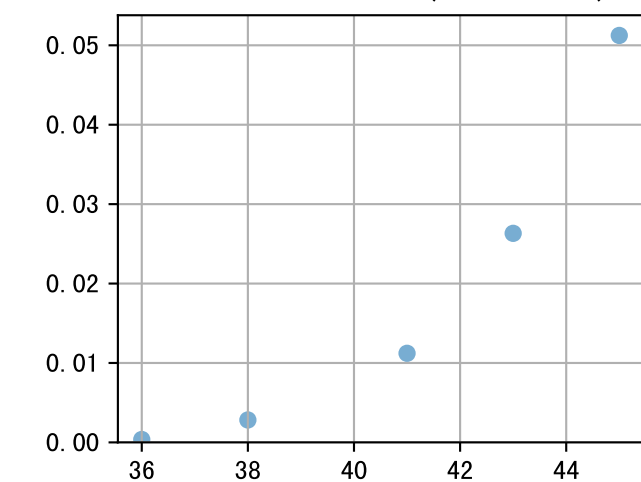
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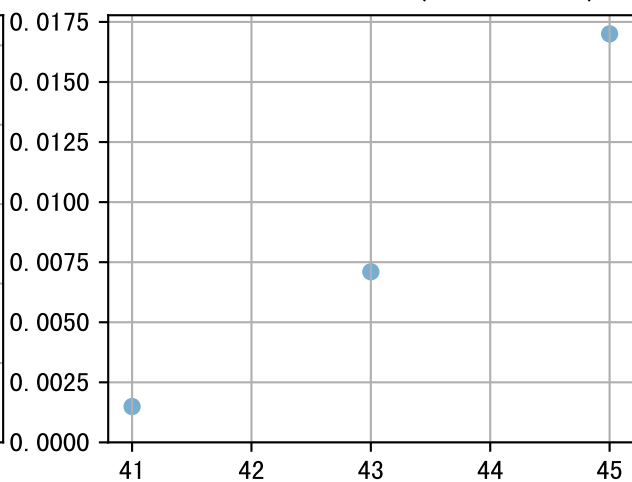
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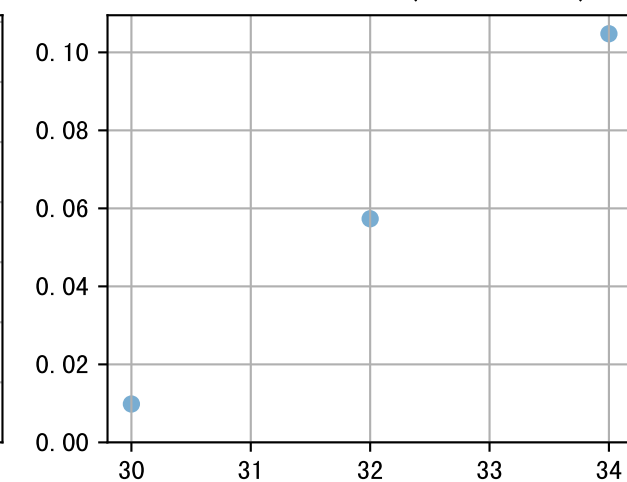
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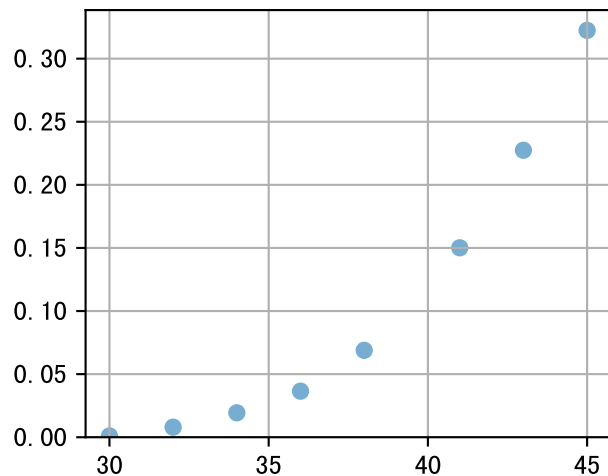


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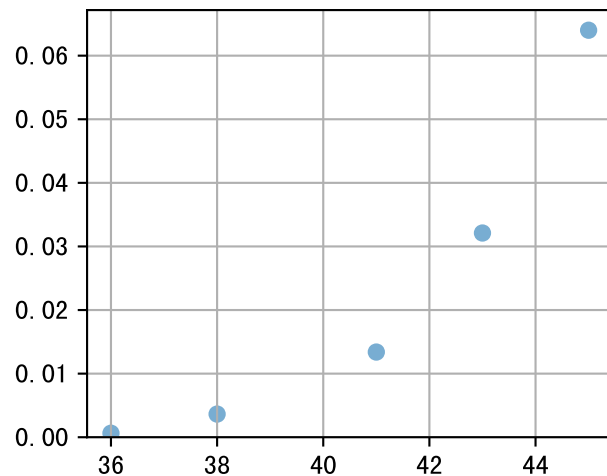


FrV

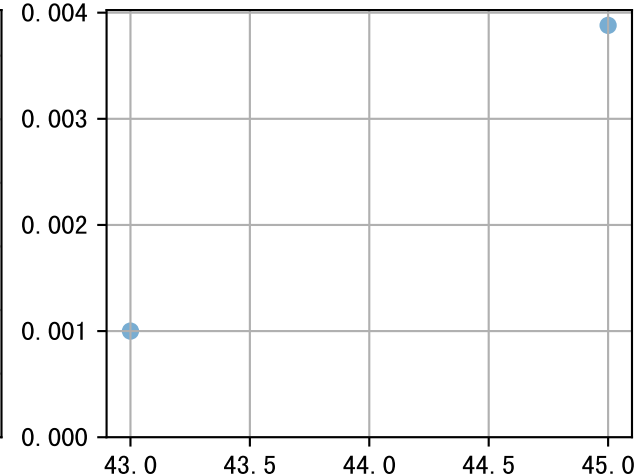
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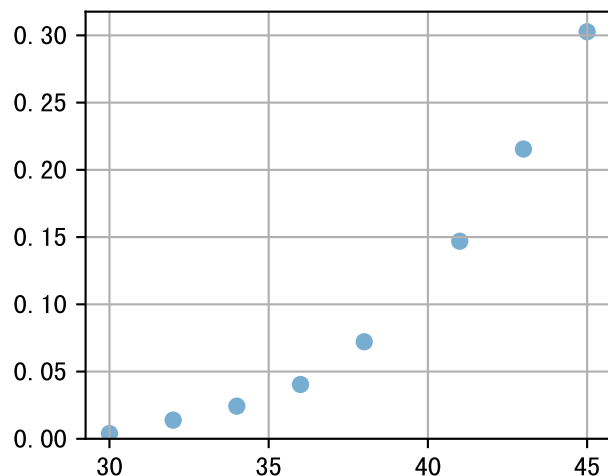
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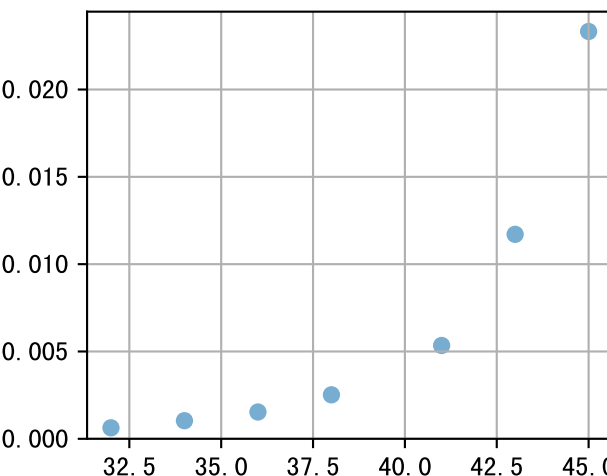
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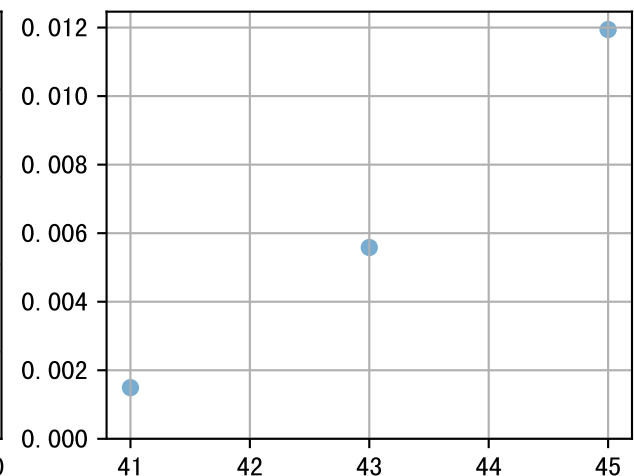
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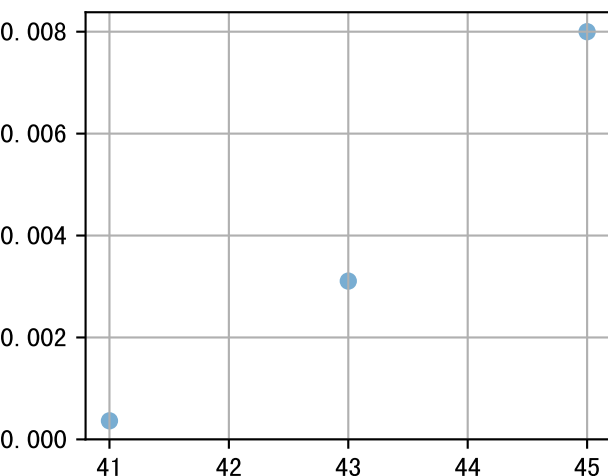
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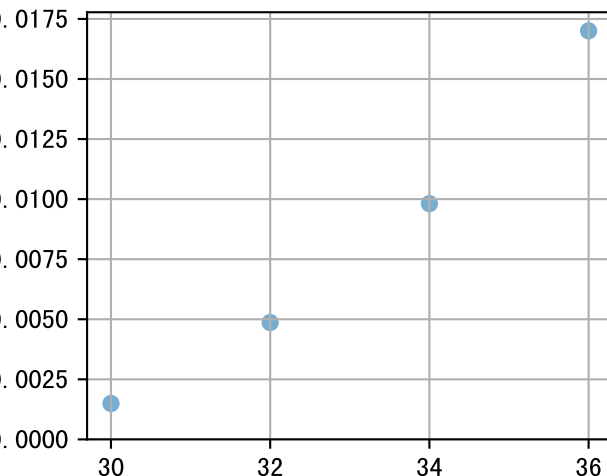
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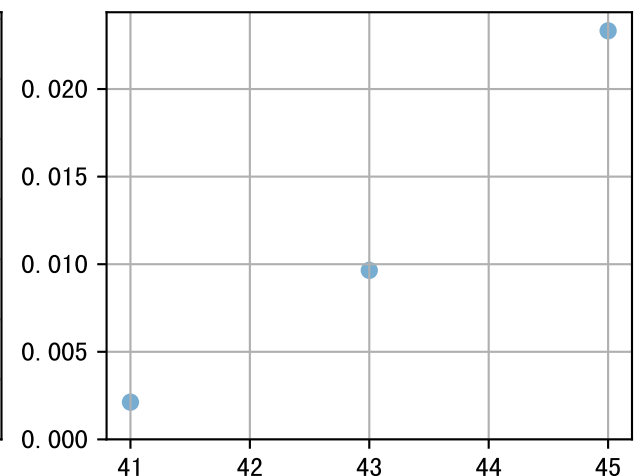
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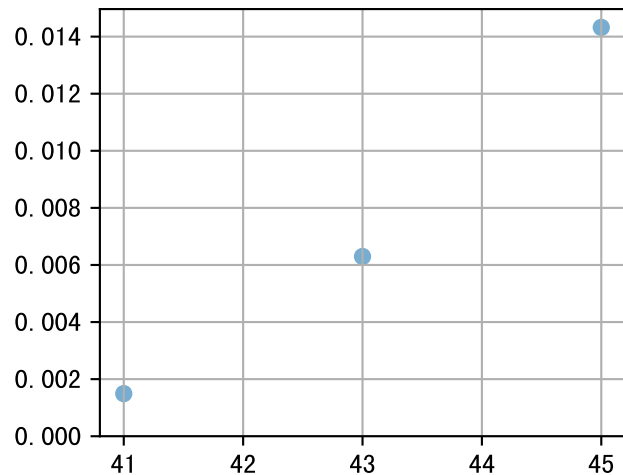


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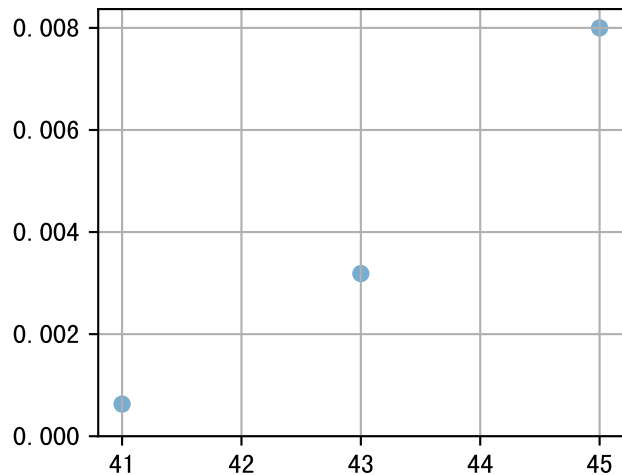


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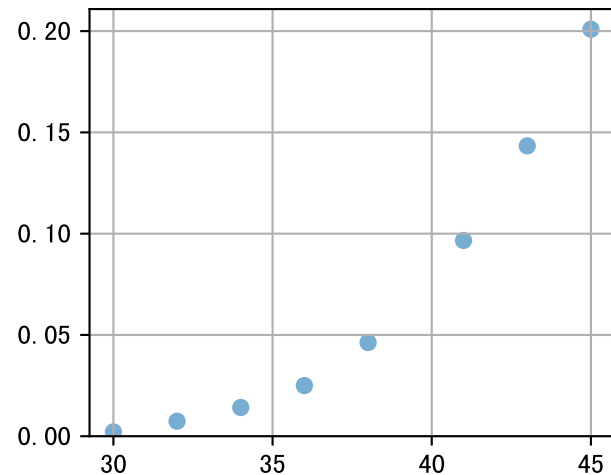
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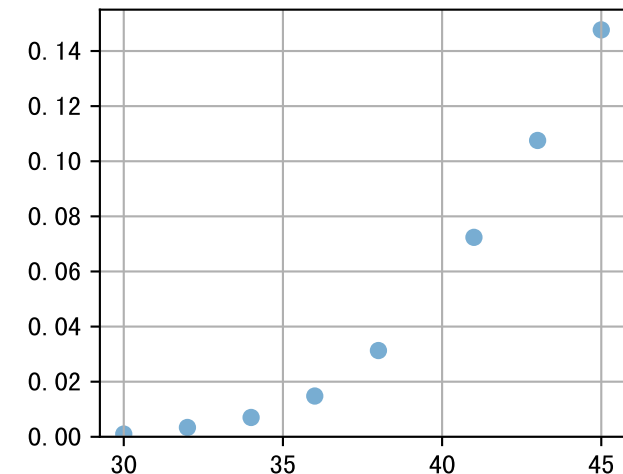
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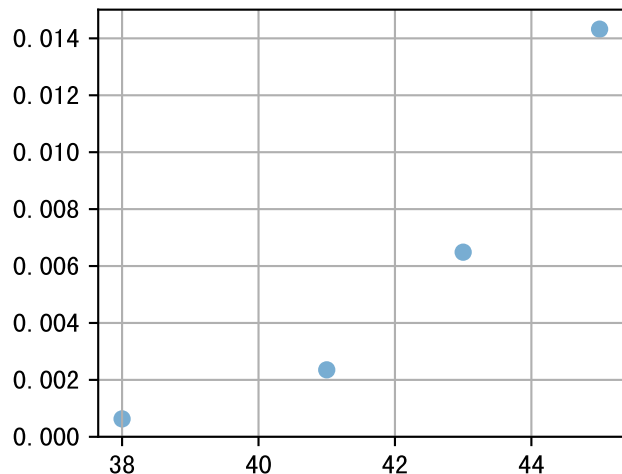
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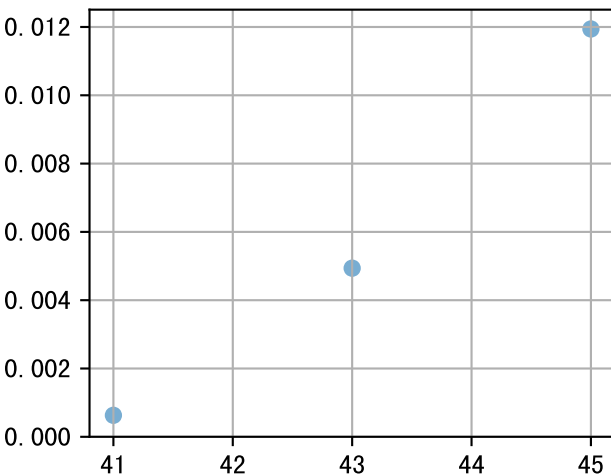
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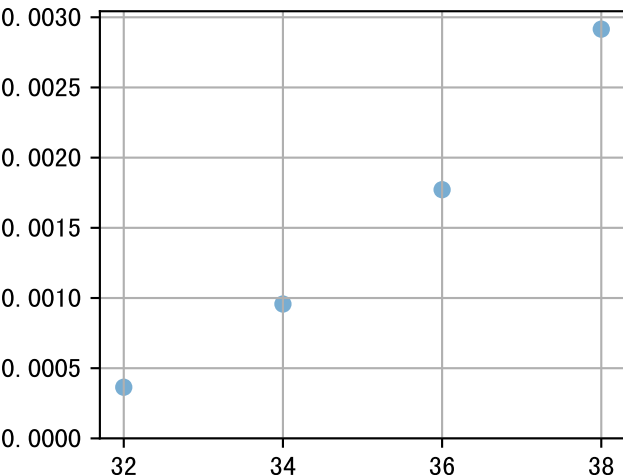
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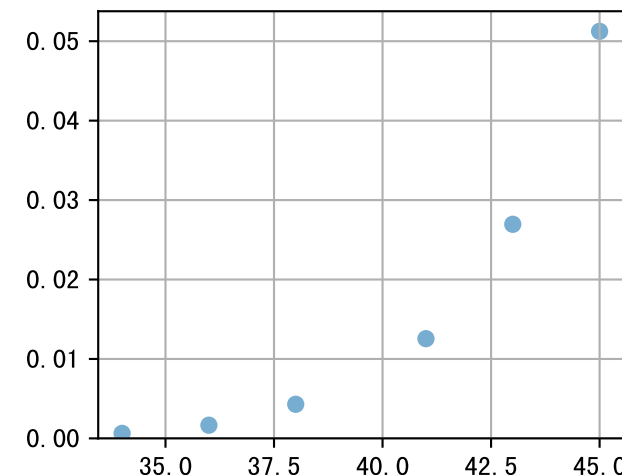
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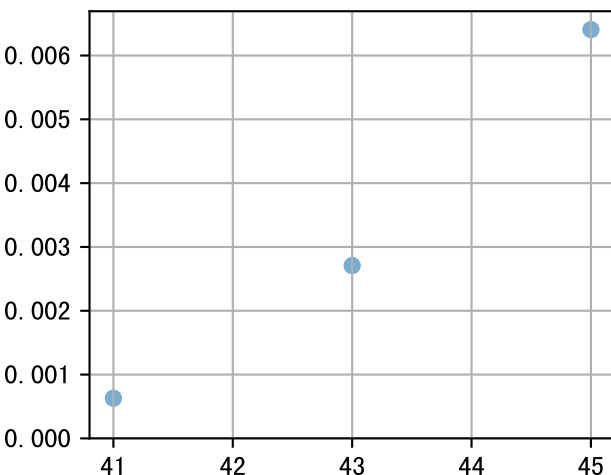
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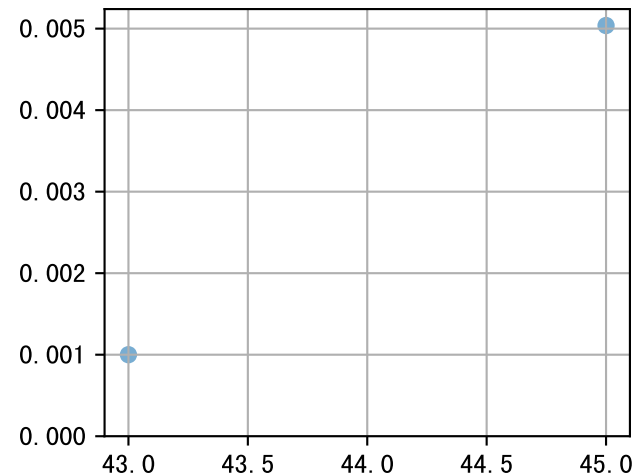


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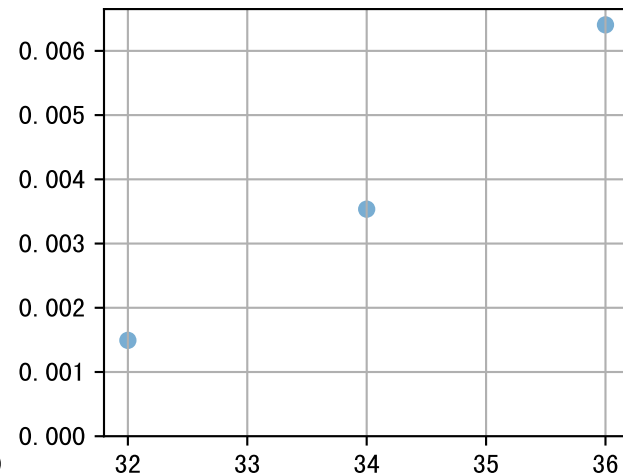


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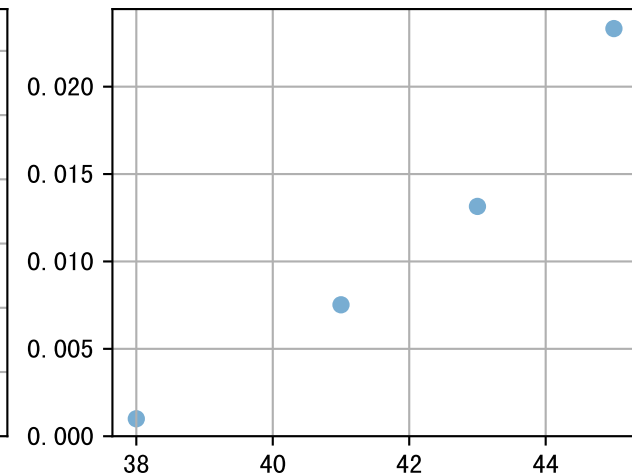
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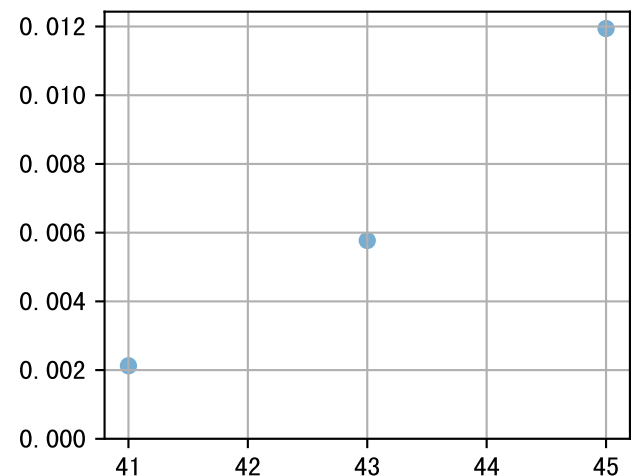
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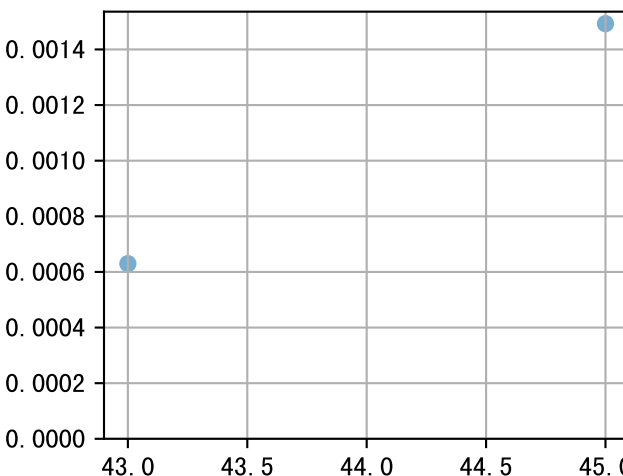
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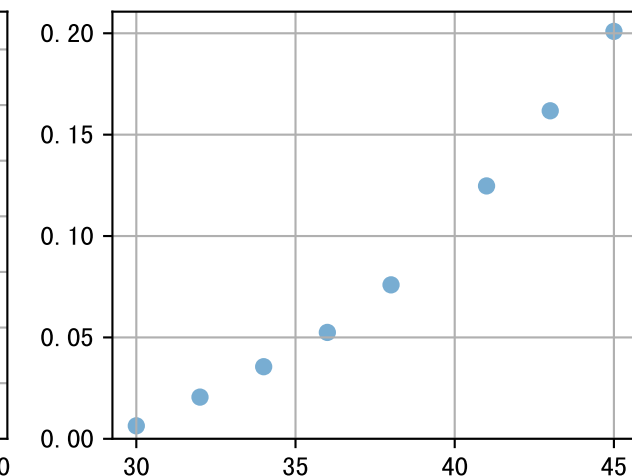
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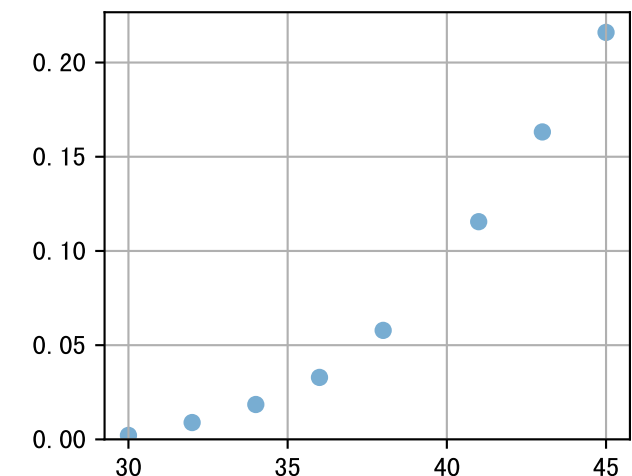
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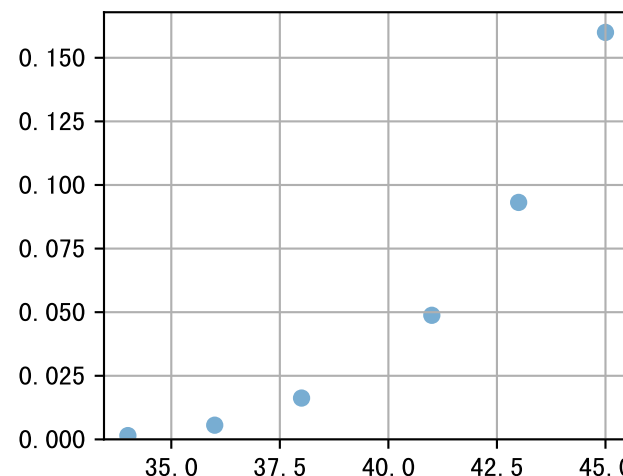
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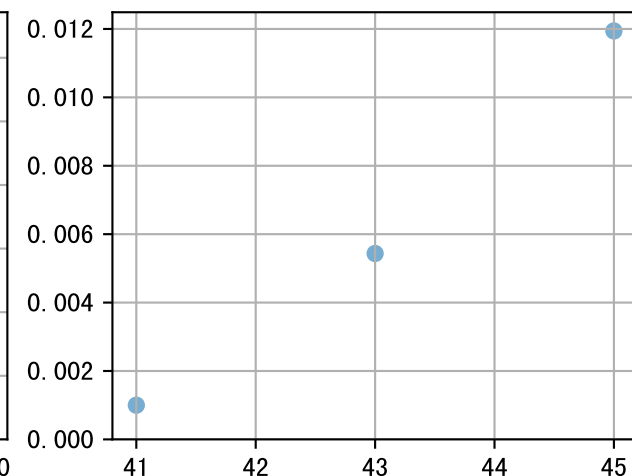
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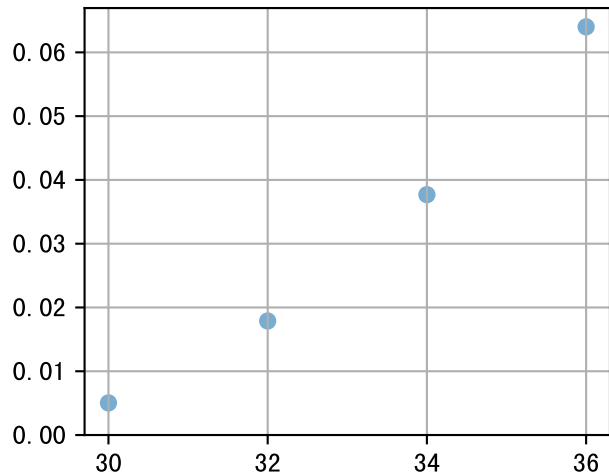
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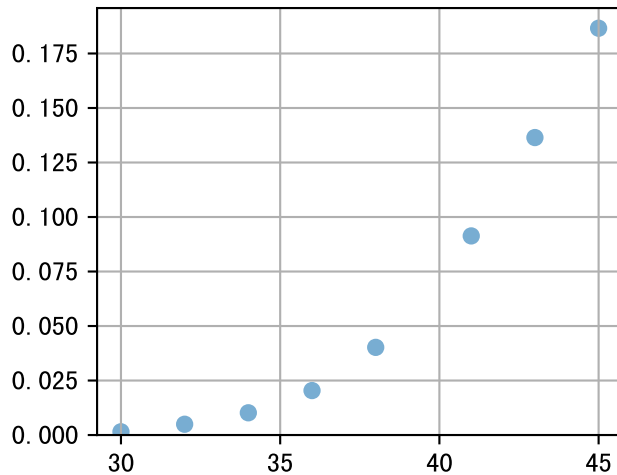
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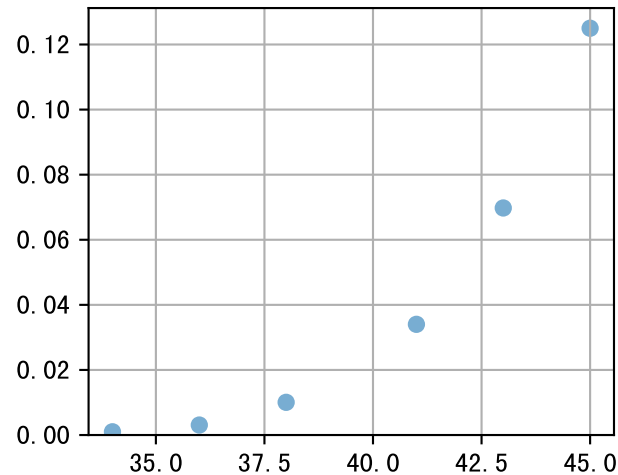
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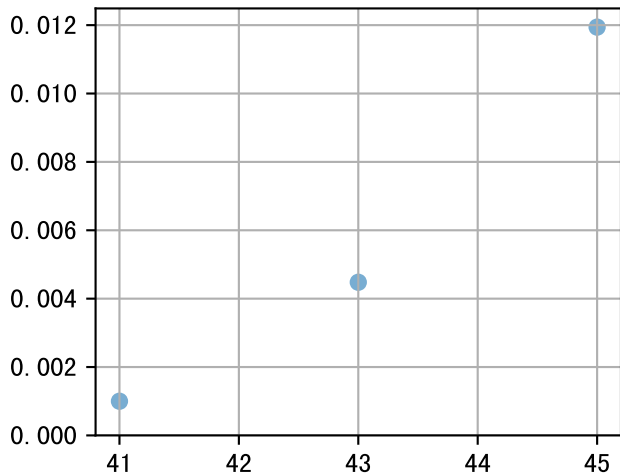
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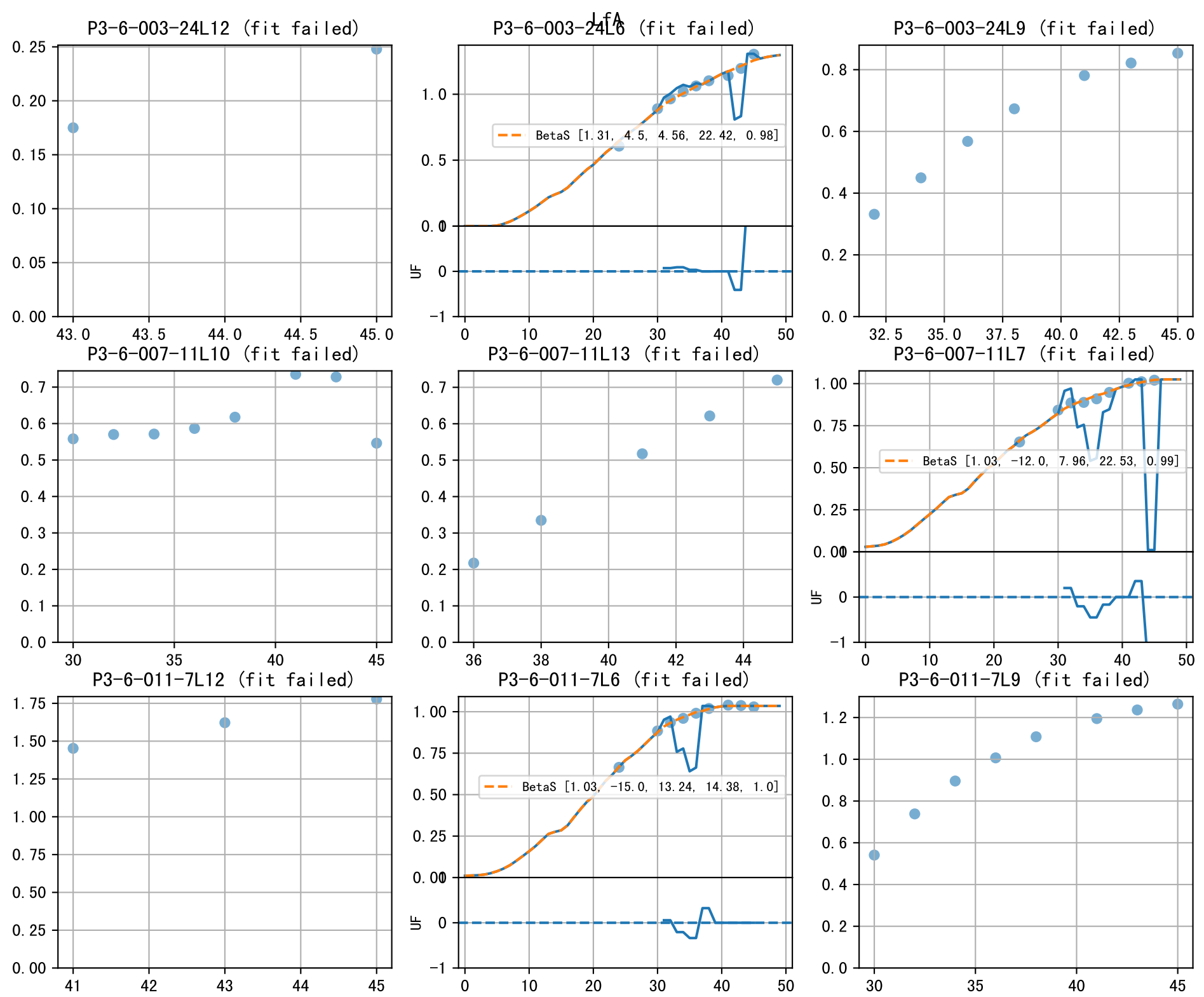


P3-6-042-4T2Fr1 (fit failed)



P3-6-042-4T2Fr5 (fit failed)



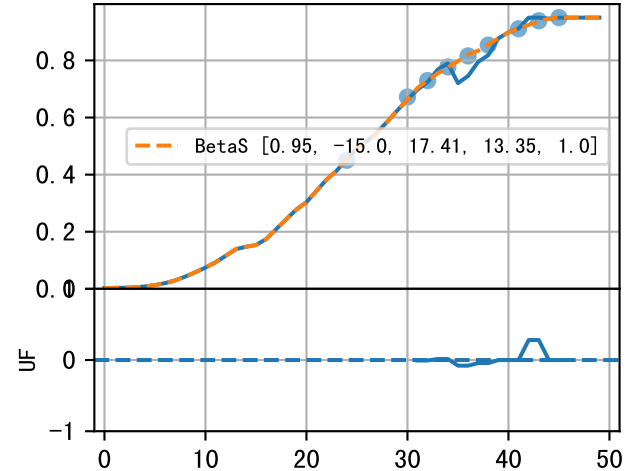
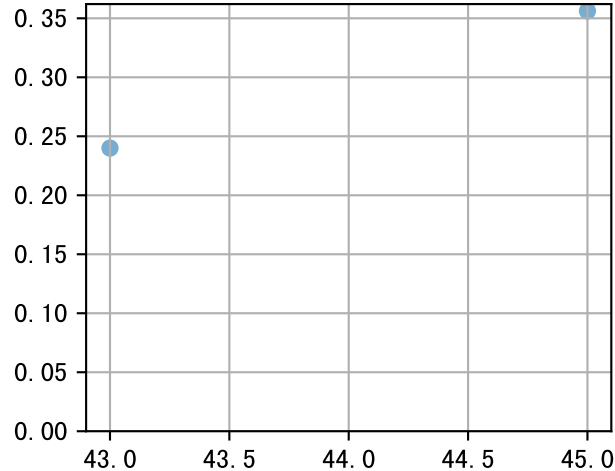
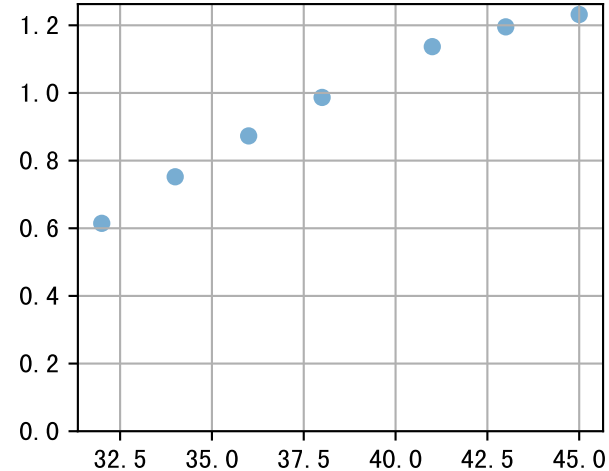


l-fA

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

P3-6-015-30L13 (fit failed)

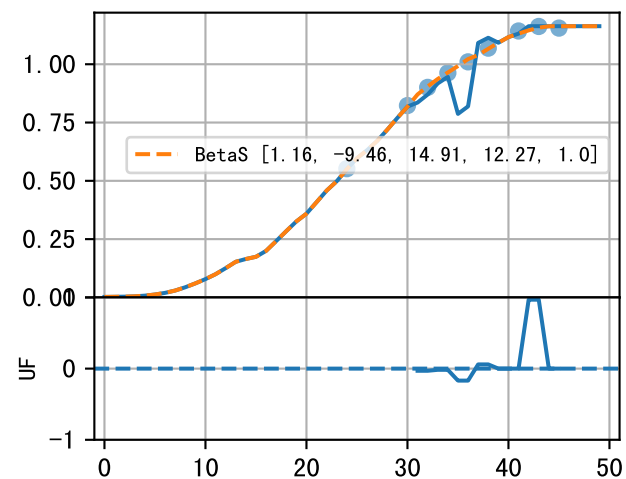
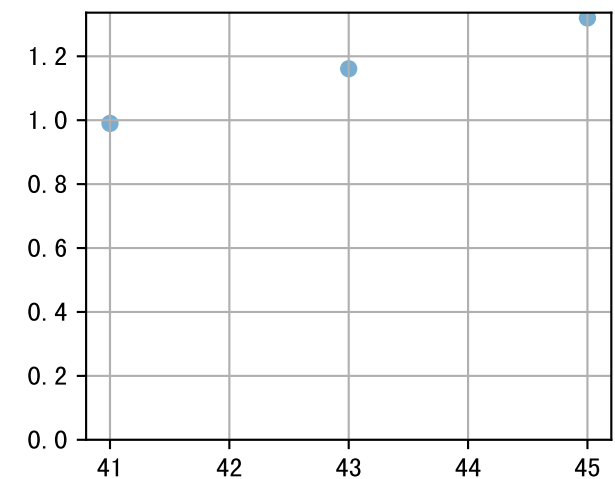
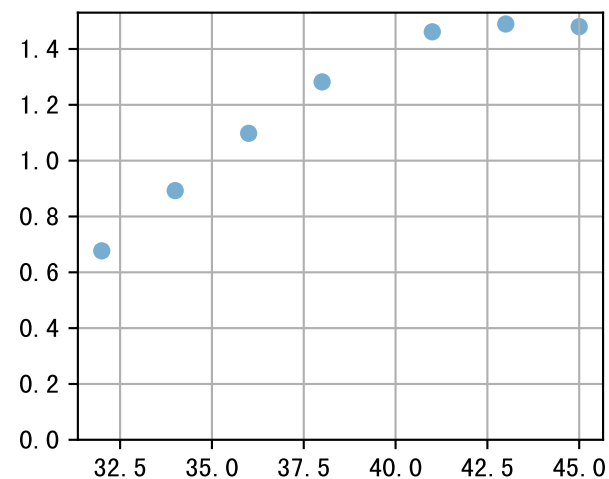
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P3-6-019-12L10 (fit failed)

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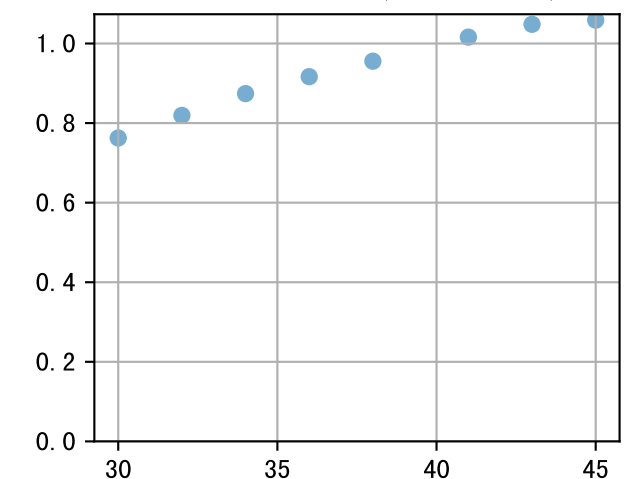
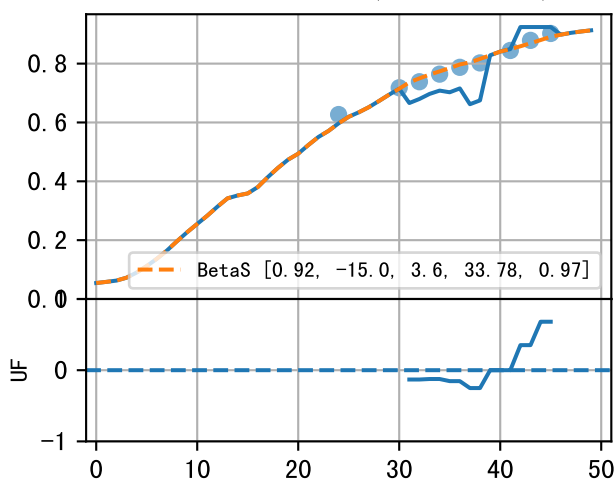
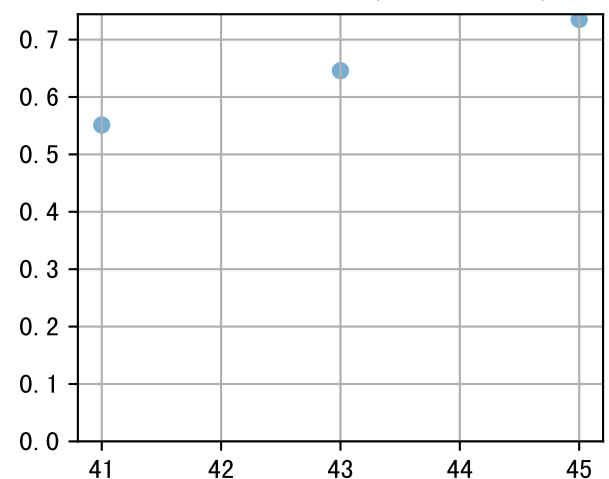
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P3-6-024-25L12 (fit failed)

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

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

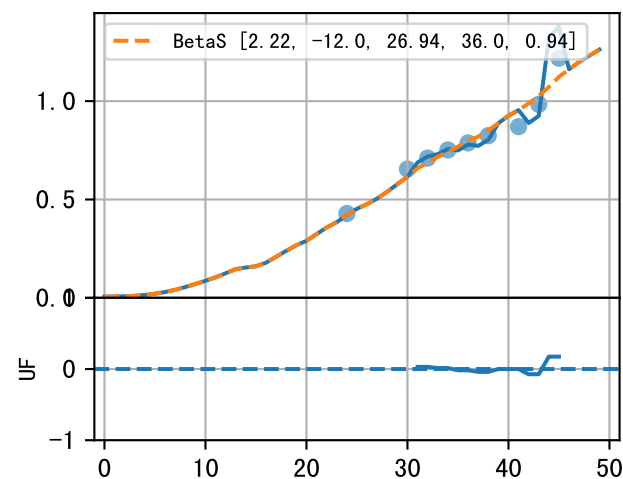
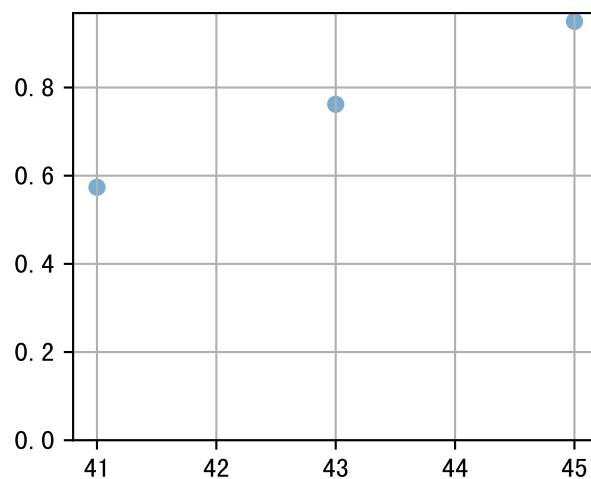
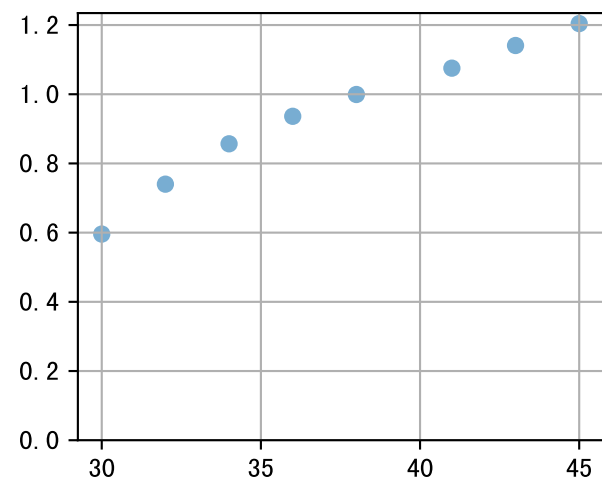


1-fA

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

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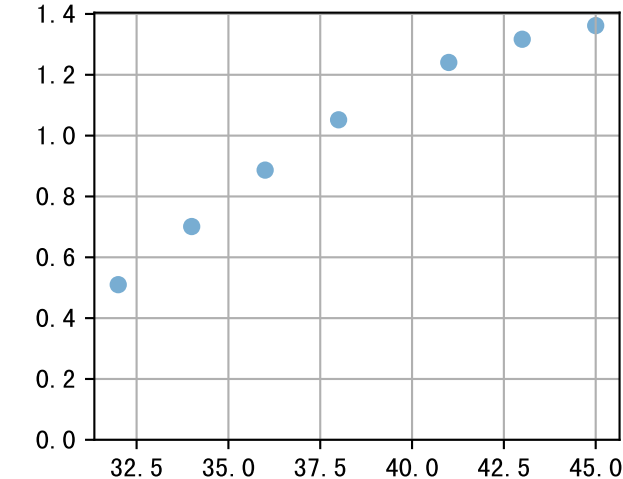
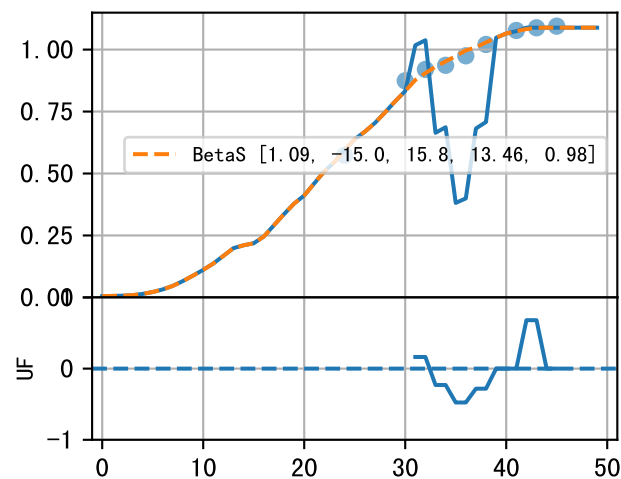
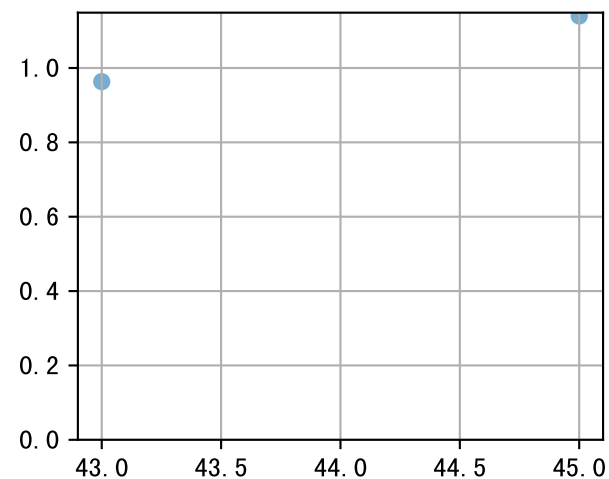
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P3-6-033-9L12 (fit failed)

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

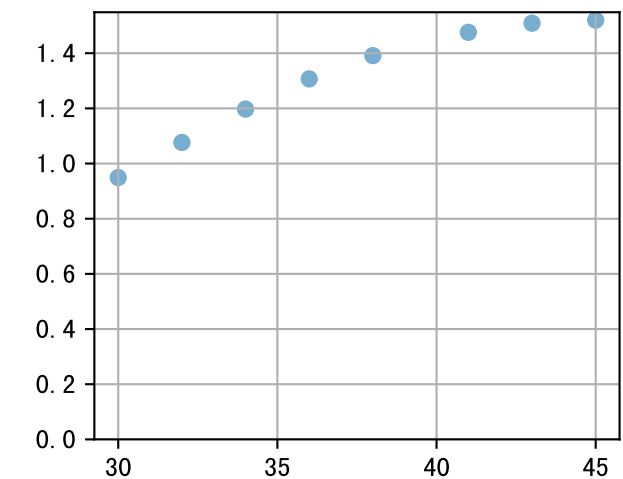
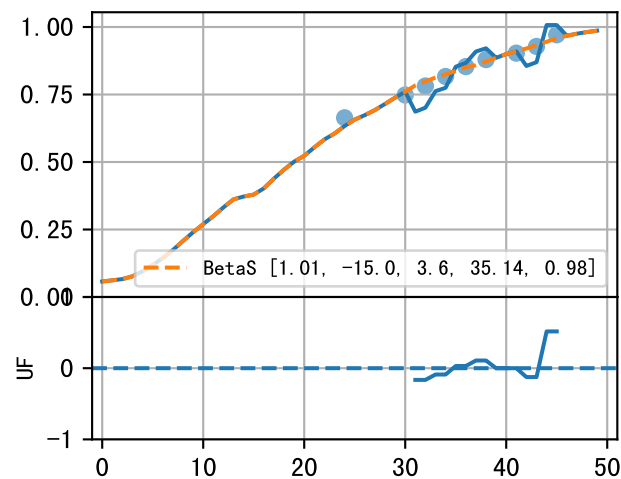
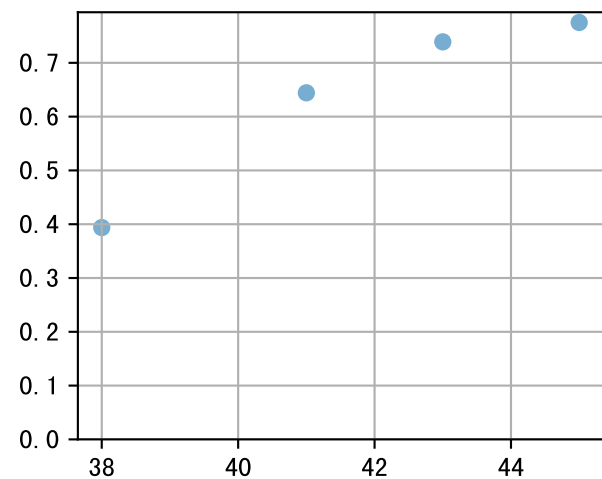
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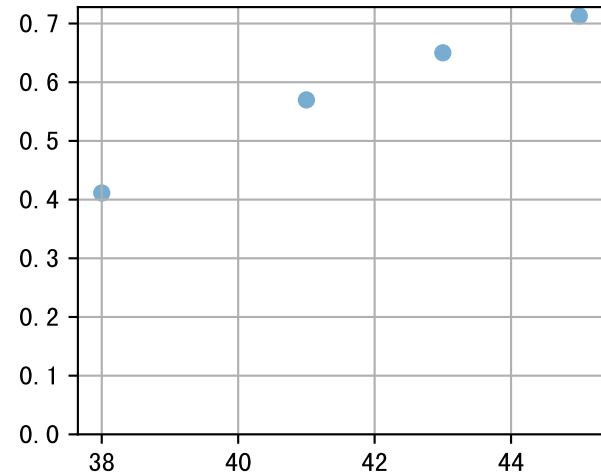
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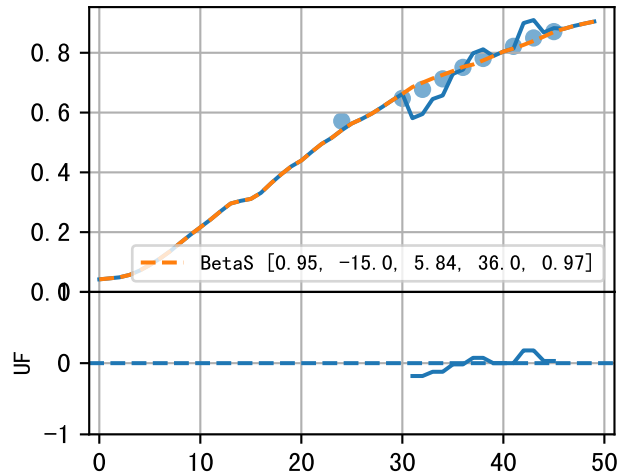
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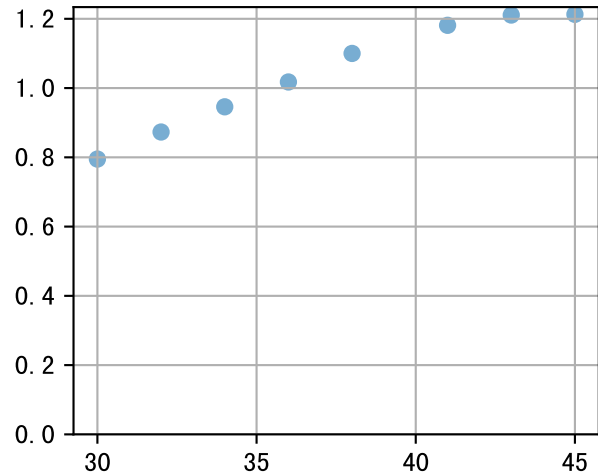
P3-6-042-4L12 (fit failed)

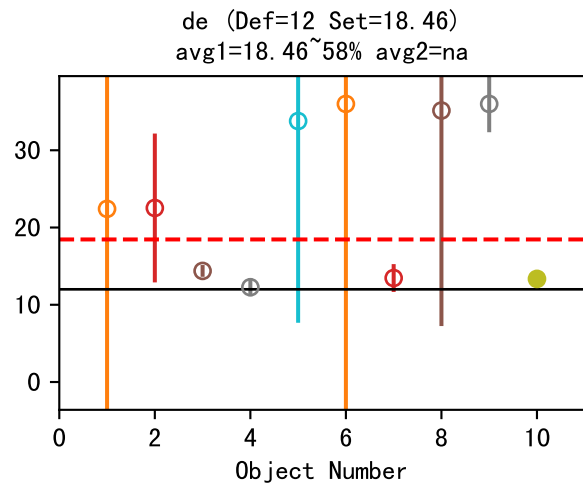
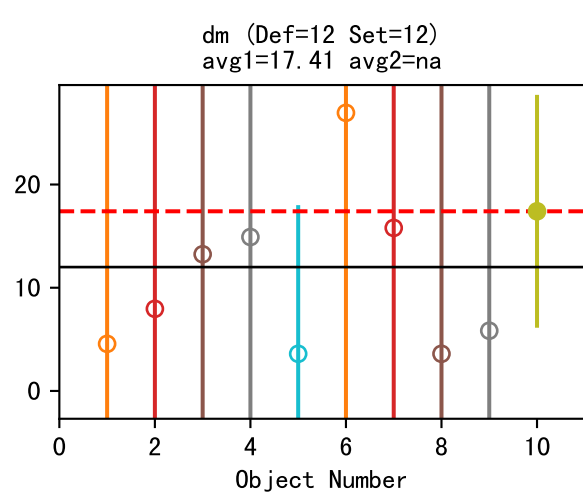
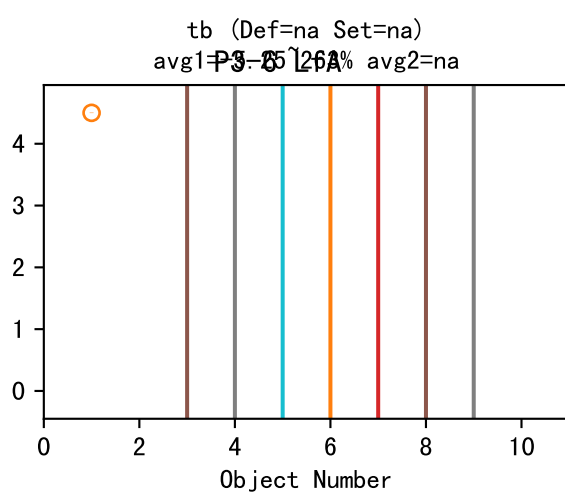
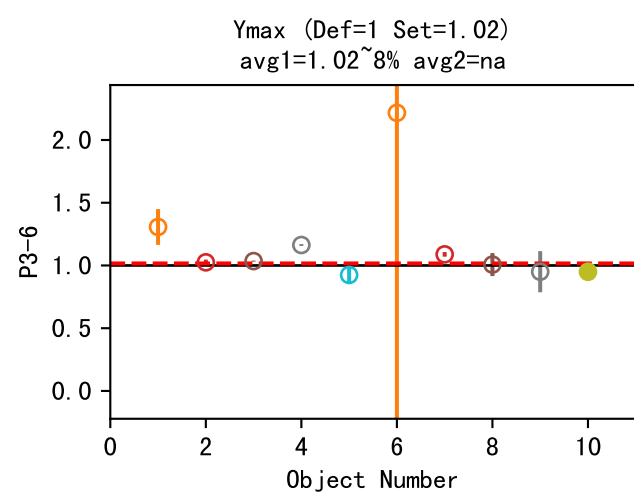


P3-6-042-4L6 (fit failed)

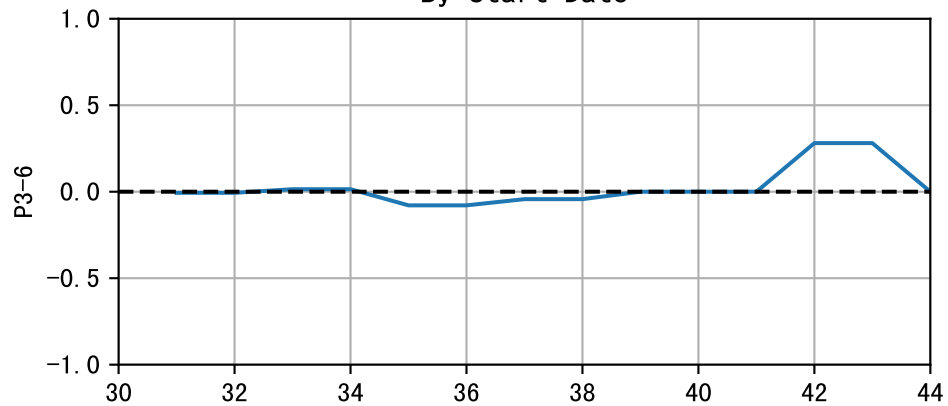


P3-6-042-4L9 (fit failed)

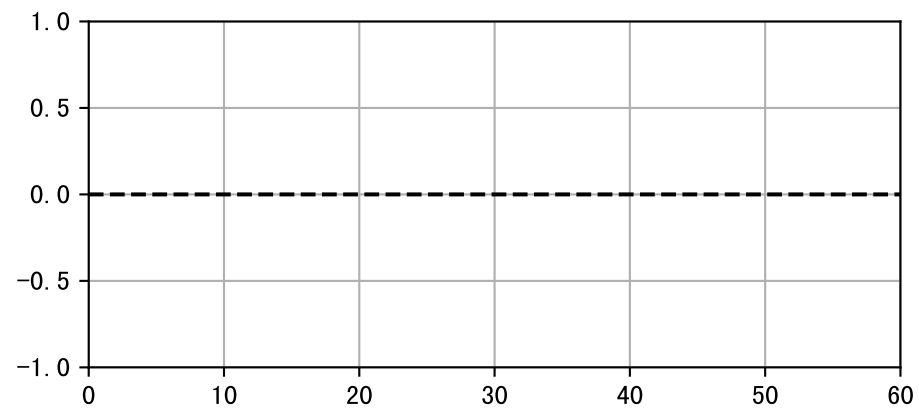
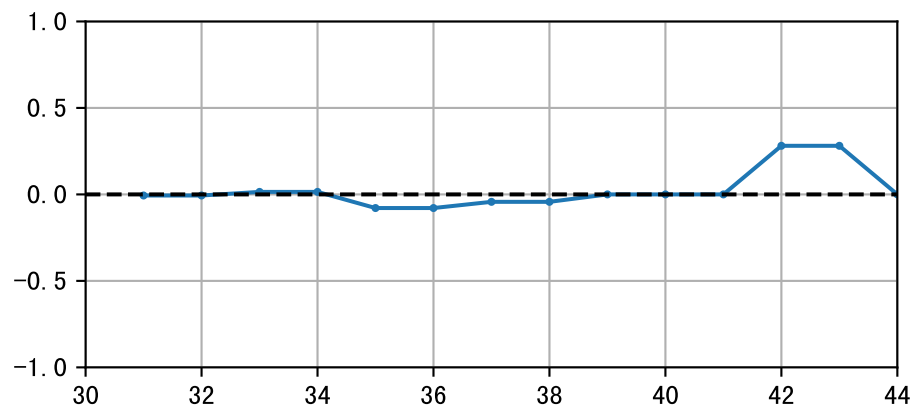
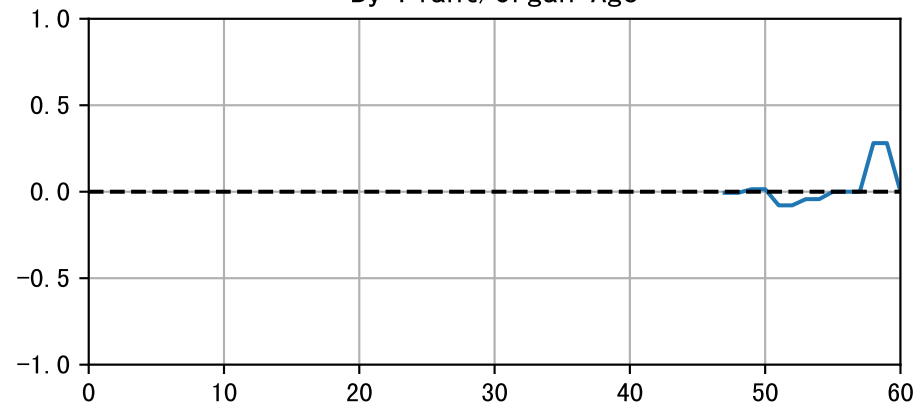


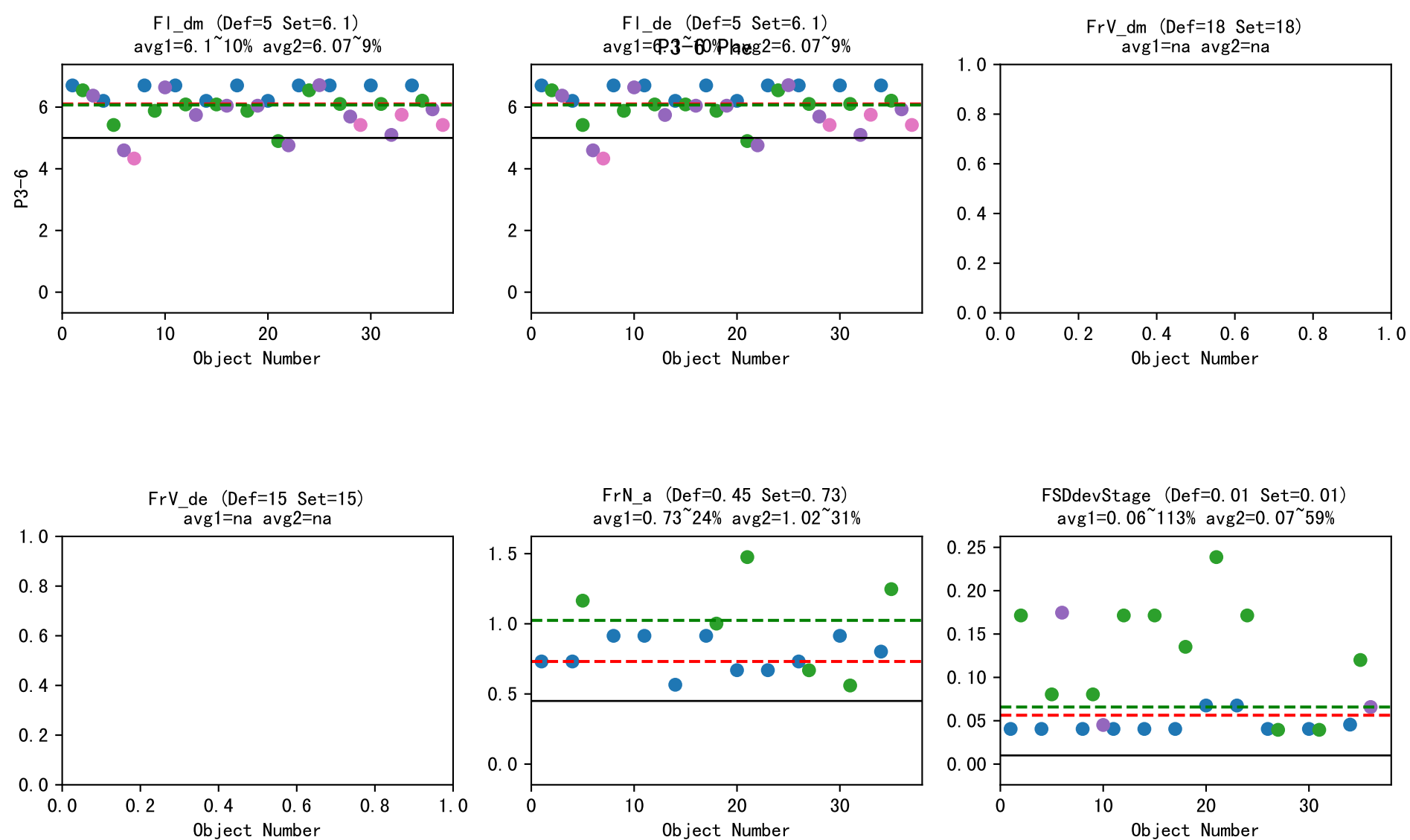


By Start Date

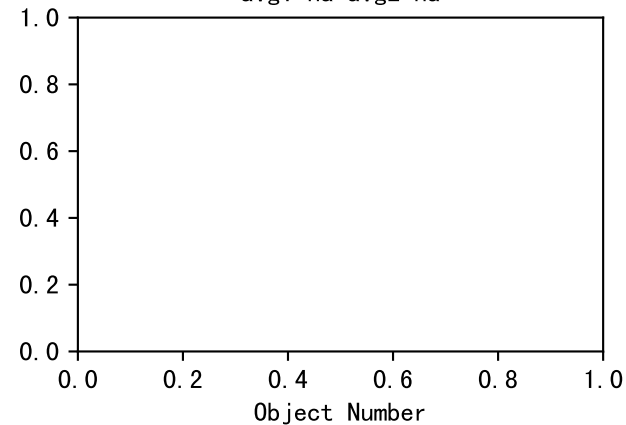


By Plant/Organ Age

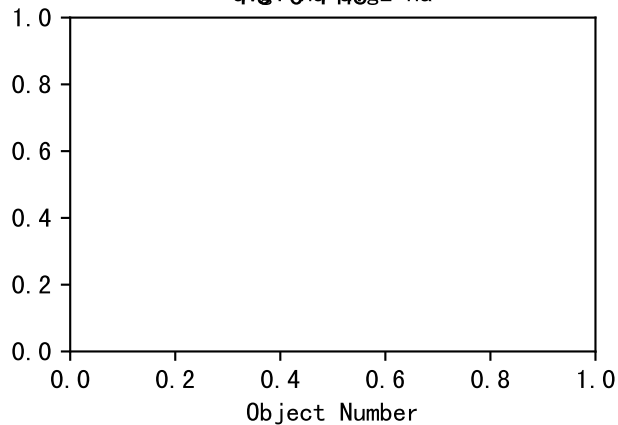




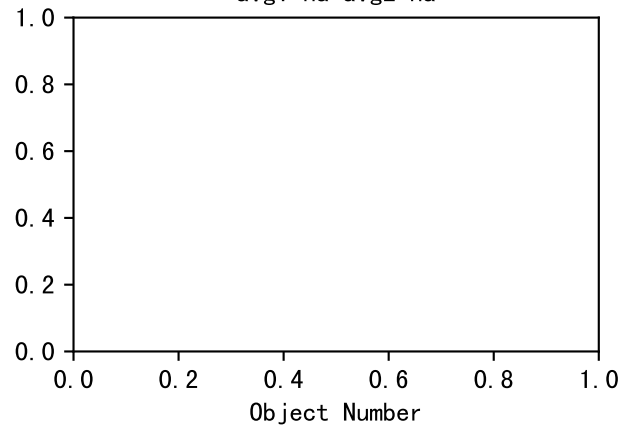
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



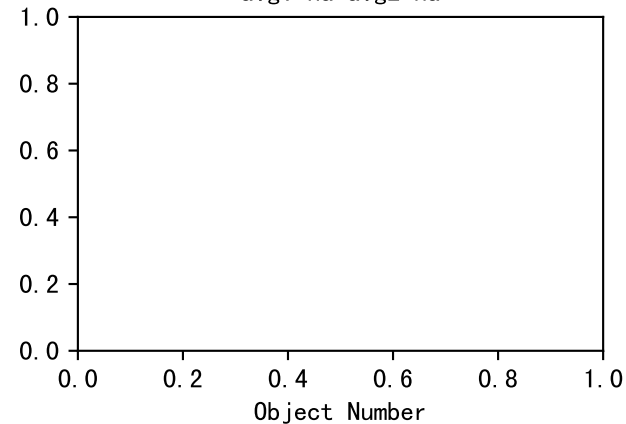
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



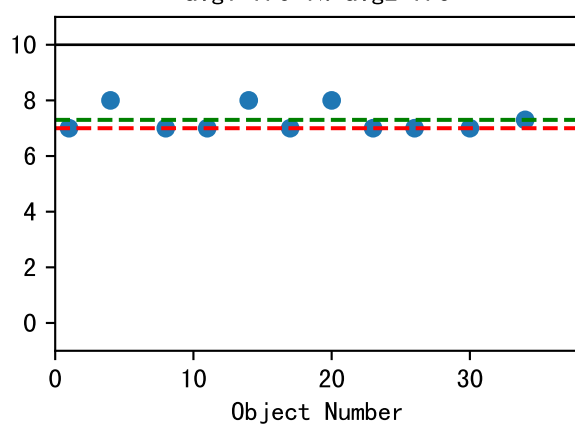
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

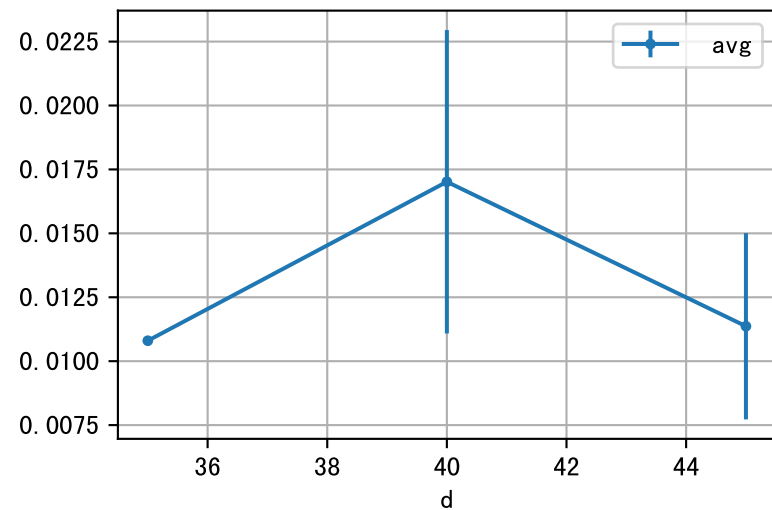


NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

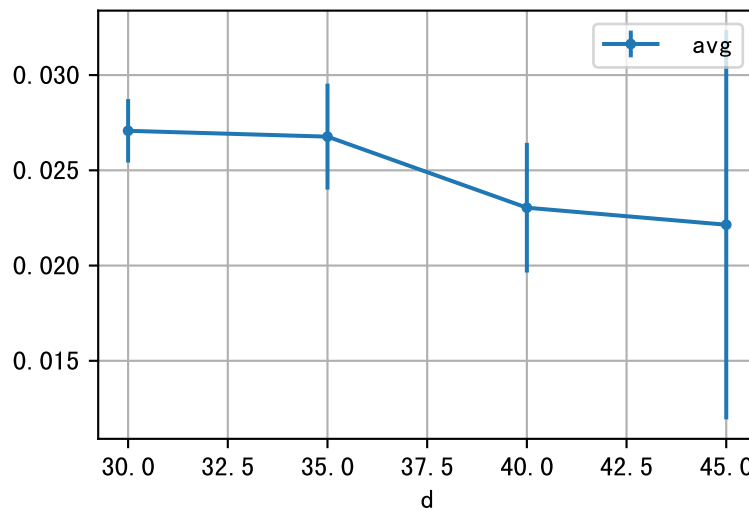


LfA: avg vs. d at each age group

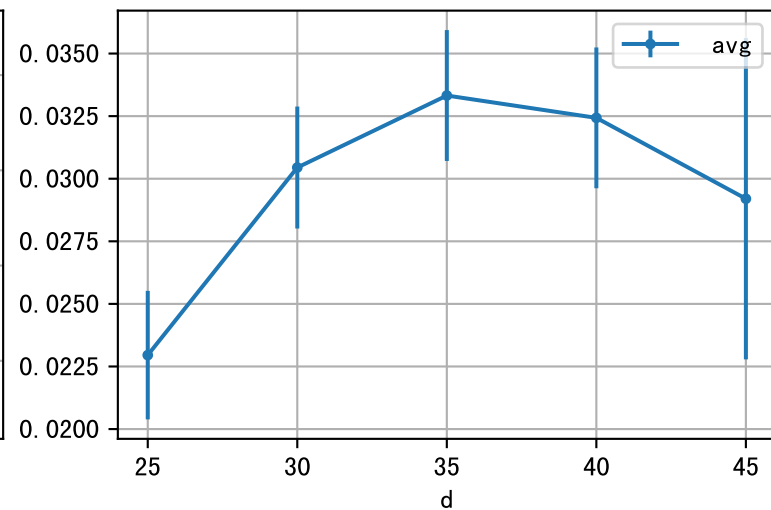
age=15



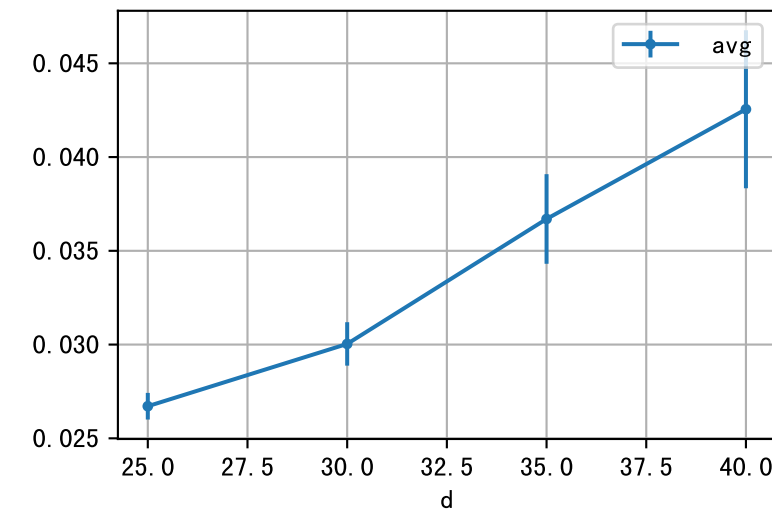
age=20



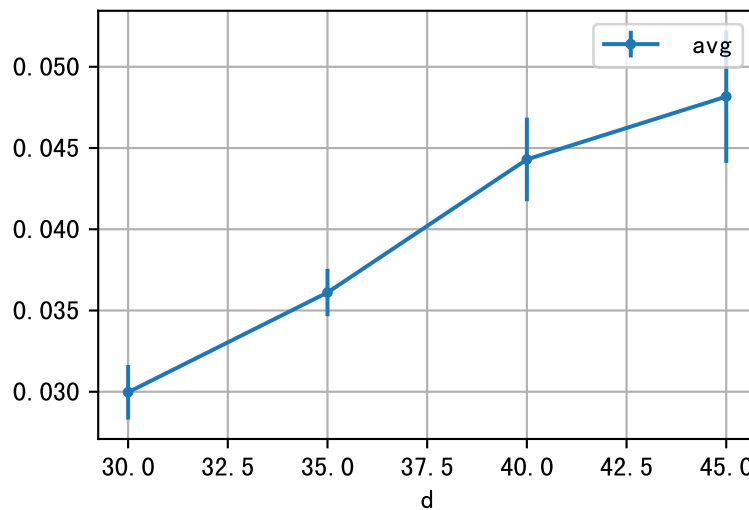
age=25



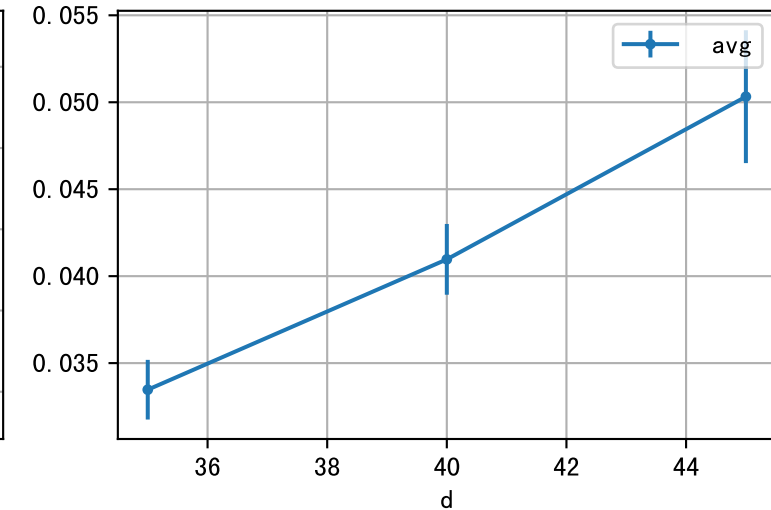
age=30



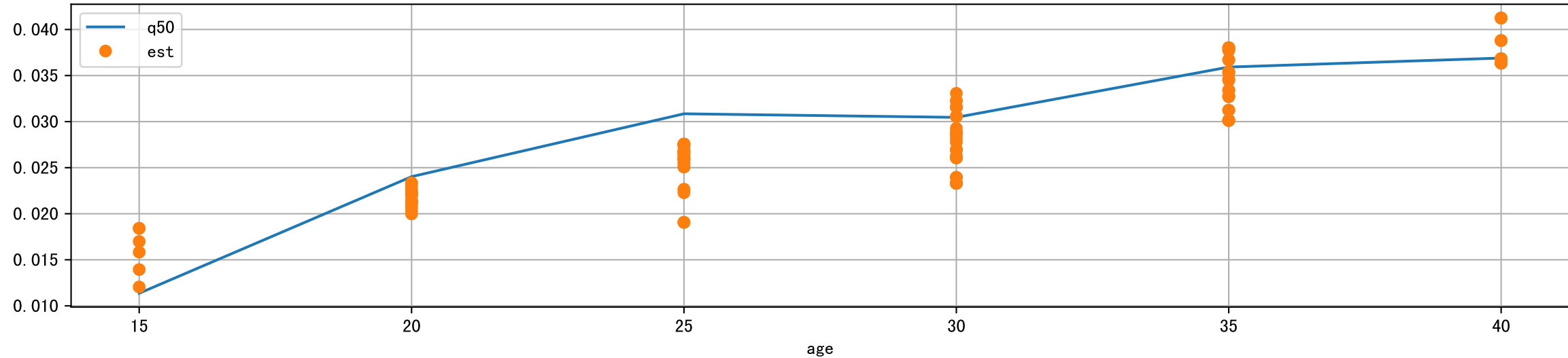
age=35



age=40

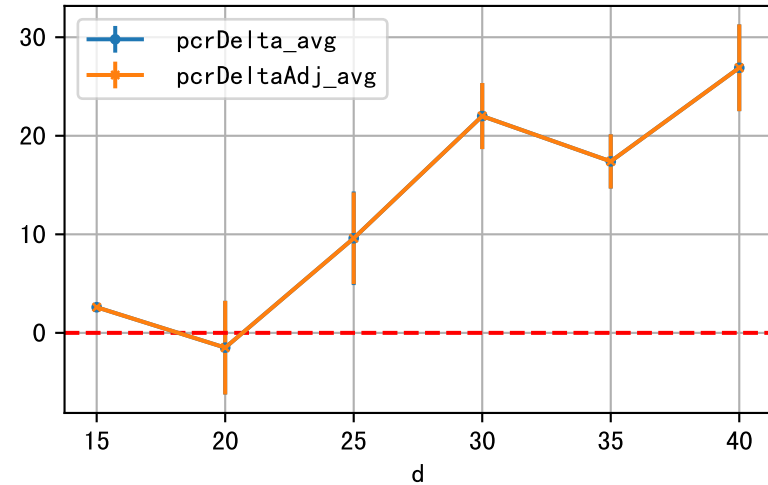


LfA: model est vs obs0v@Q50

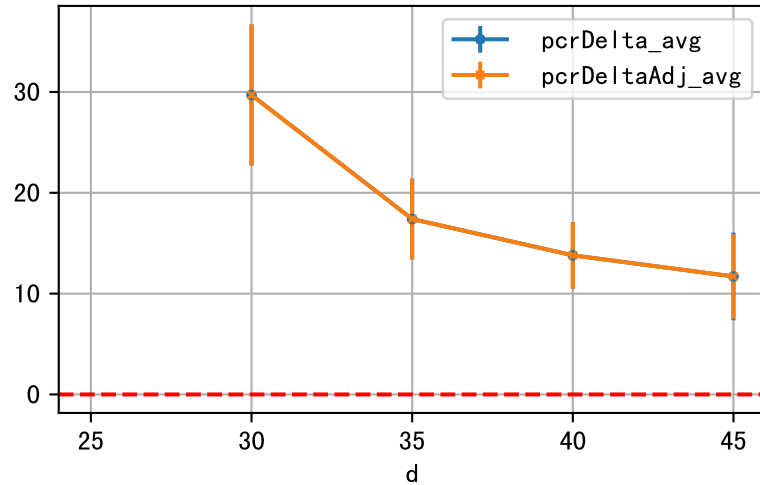


P3-6 LfA: D_5d_LfA

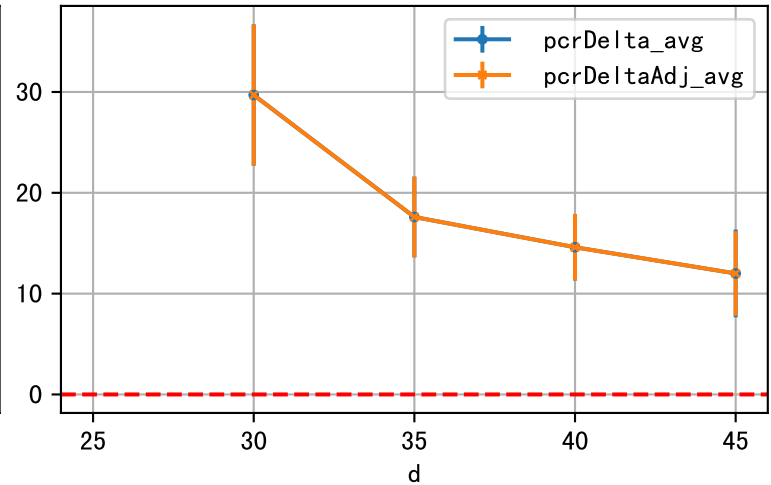
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

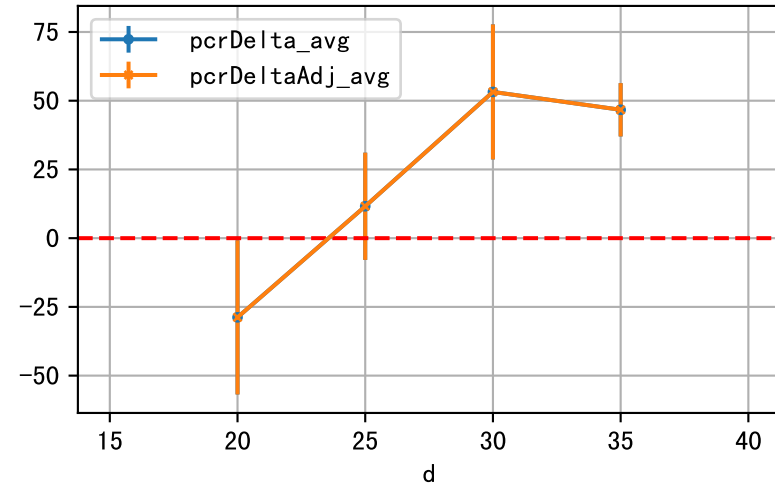


DeltaTypeAbbr=Wei AvgByD

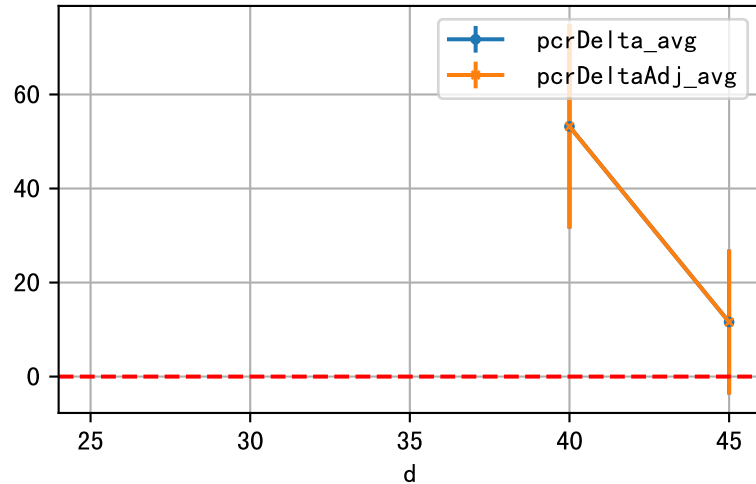


P3-6 LfA: D_15d_LfA

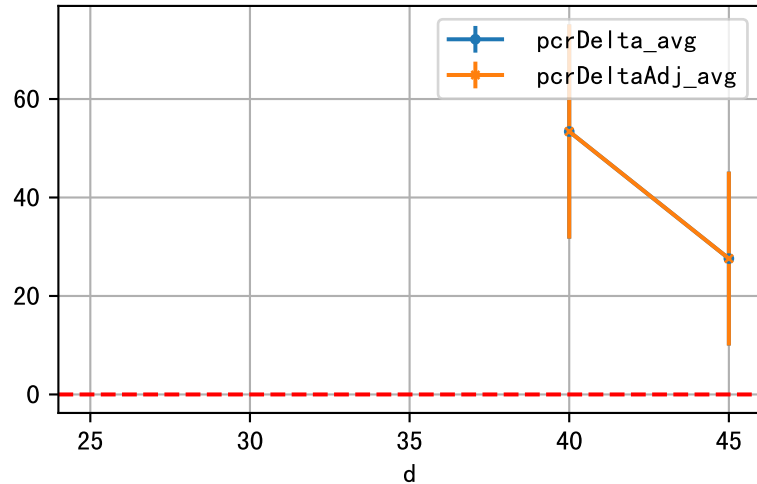
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

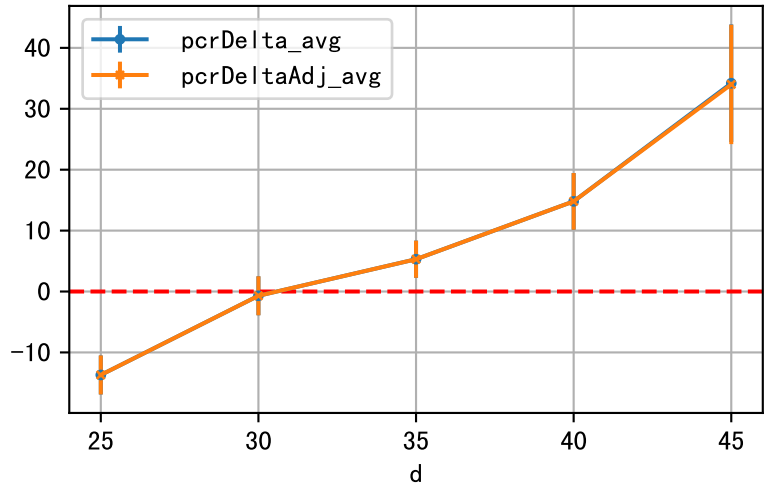
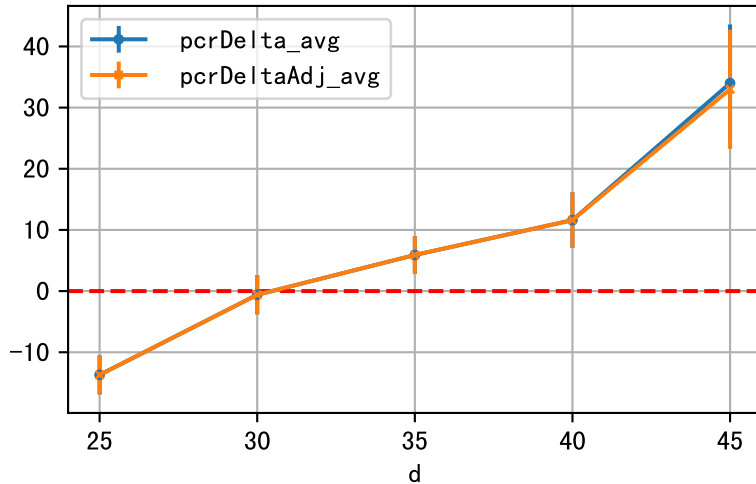
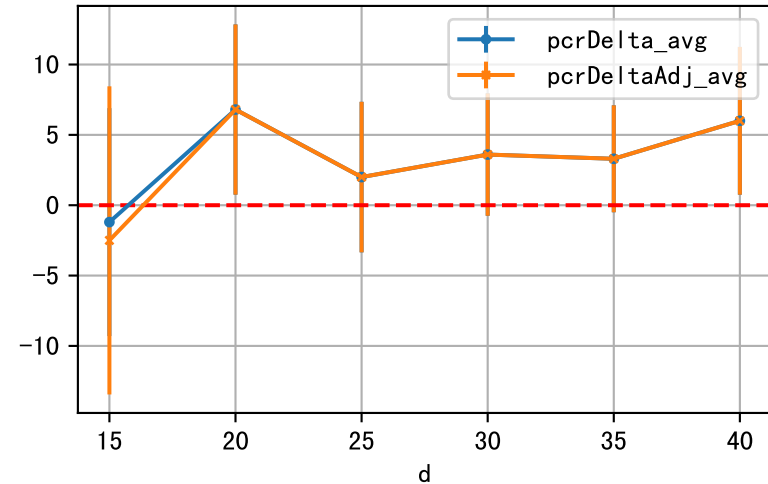


P3-6 LfA: D_Q50_LfA

DeltaTypeAbbr=GrpByAge

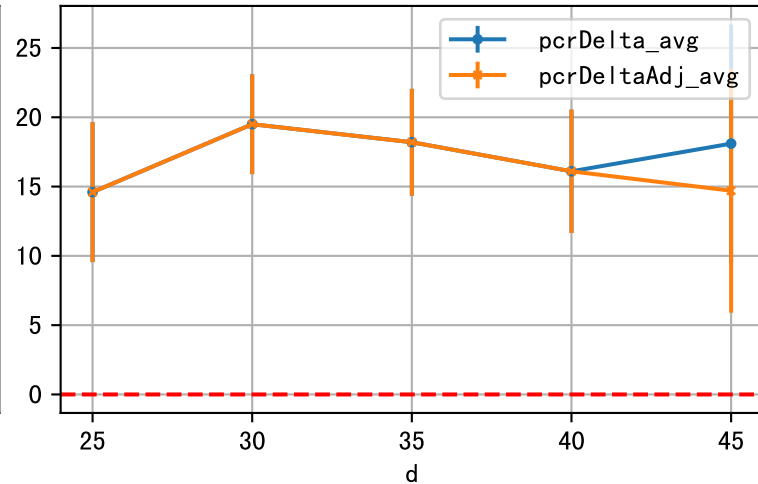
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

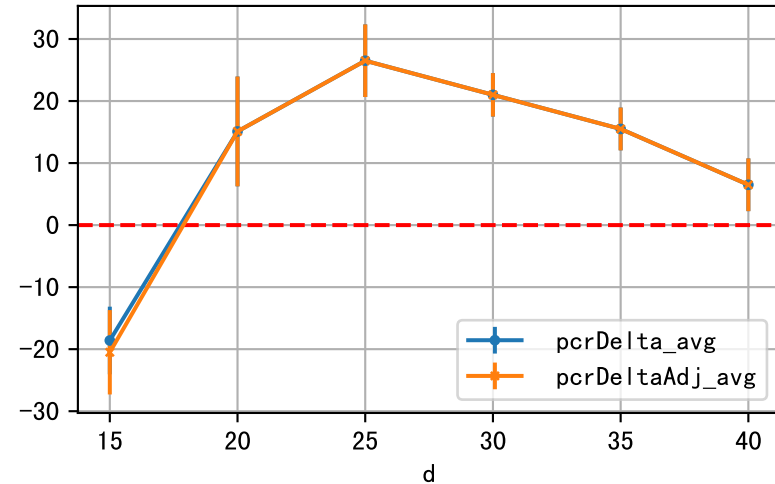


P3-6 LfA: D_Est_LfA

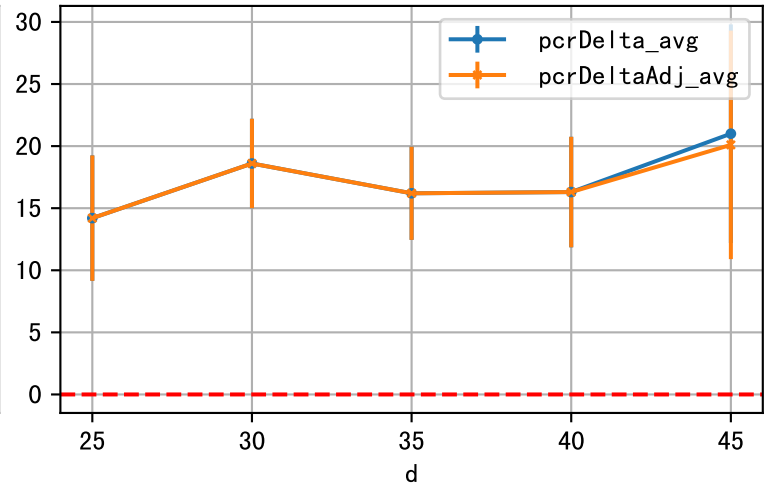
DeltaTypeAbbr=GrpByDay



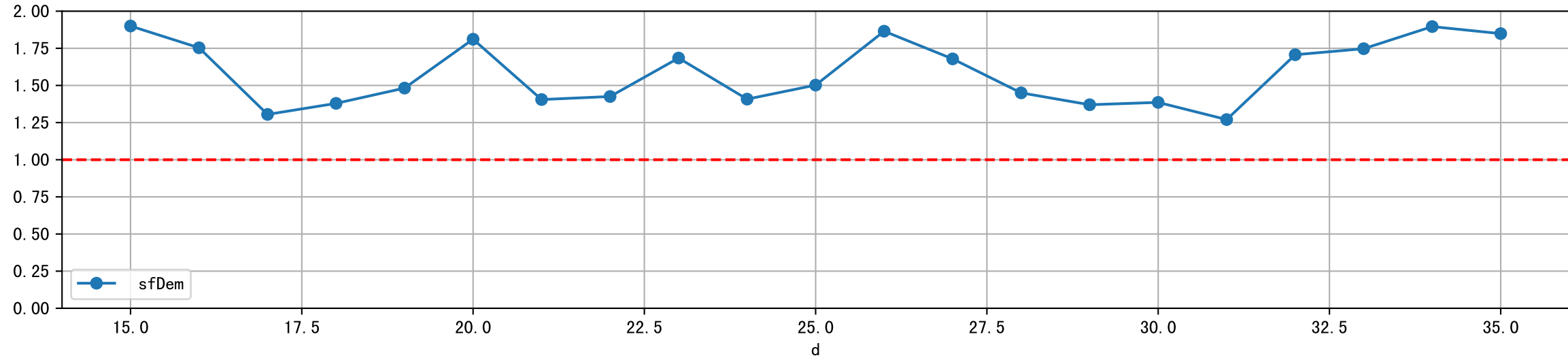
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD



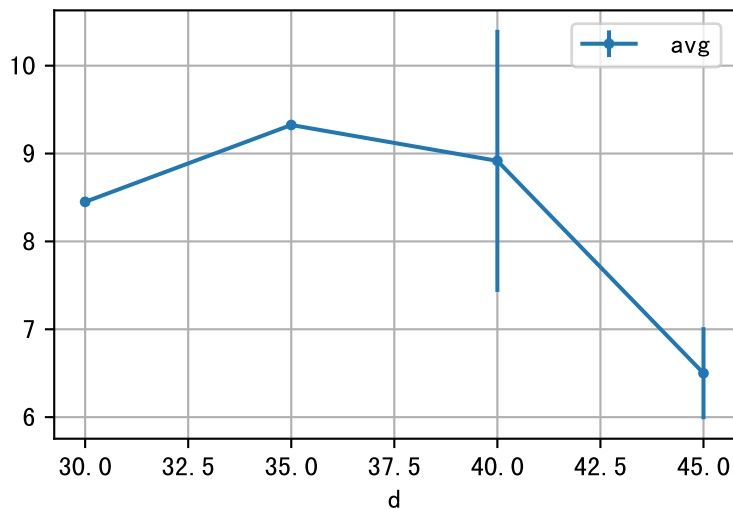
LfA: sfDem



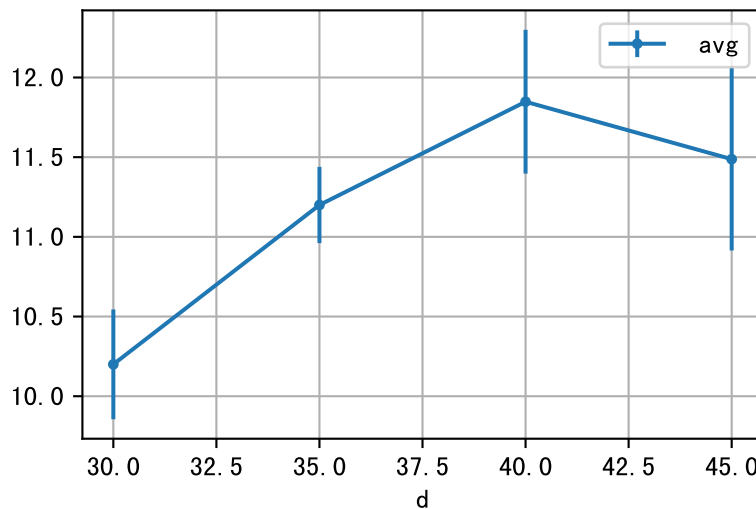


NdD: avg. vs. d at each age group

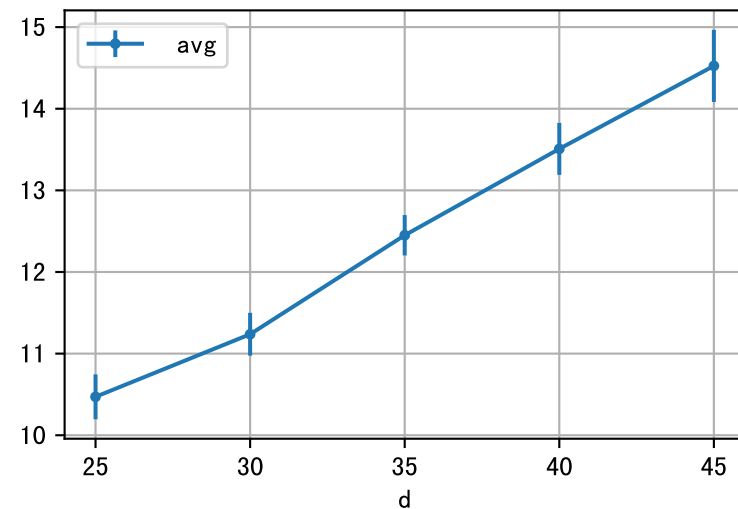
age=15



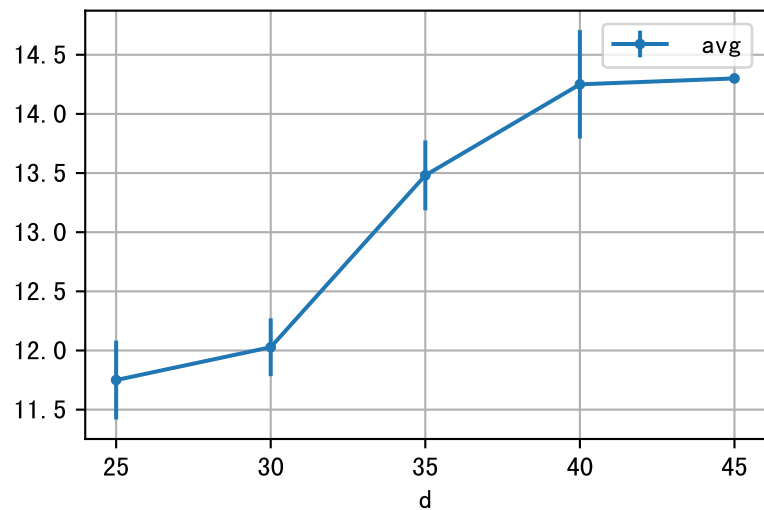
age=20



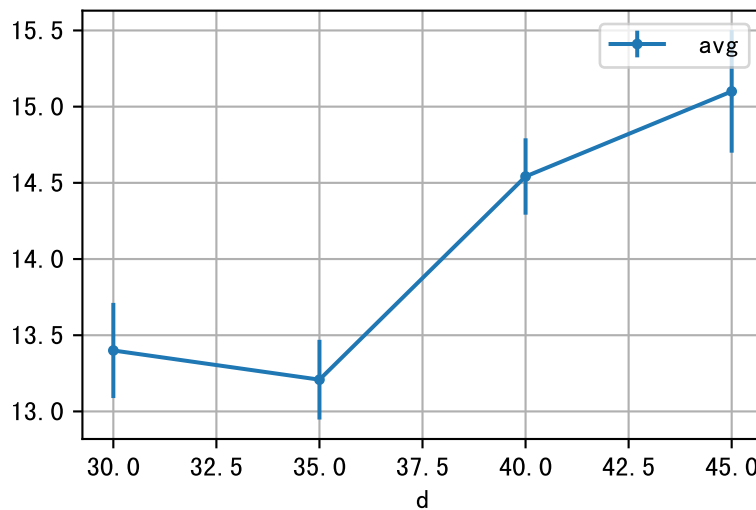
age=25



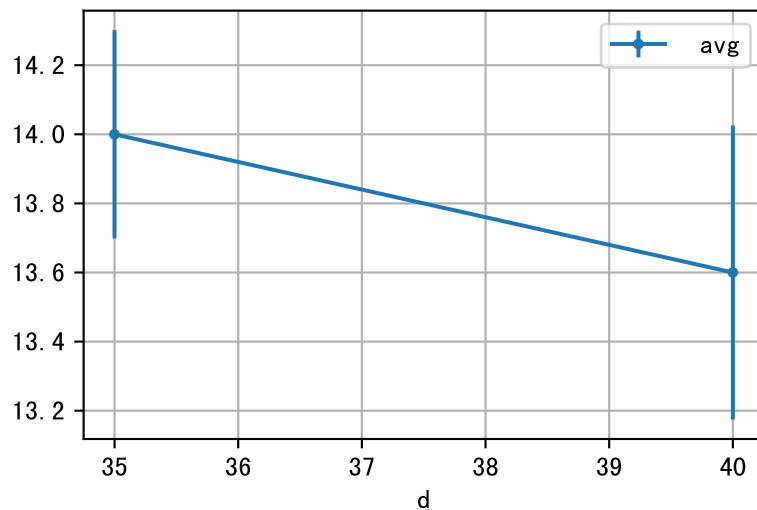
age=30



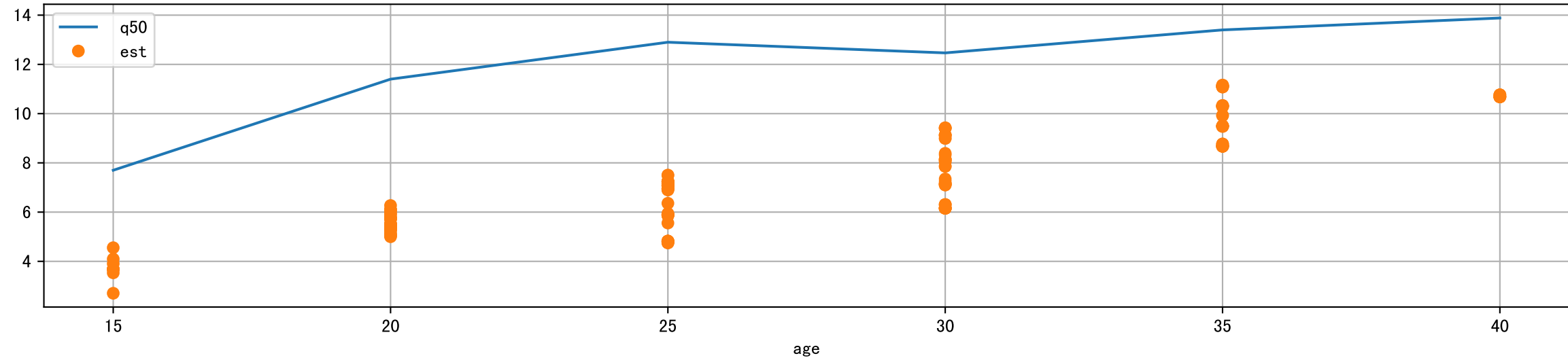
age=35



age=40

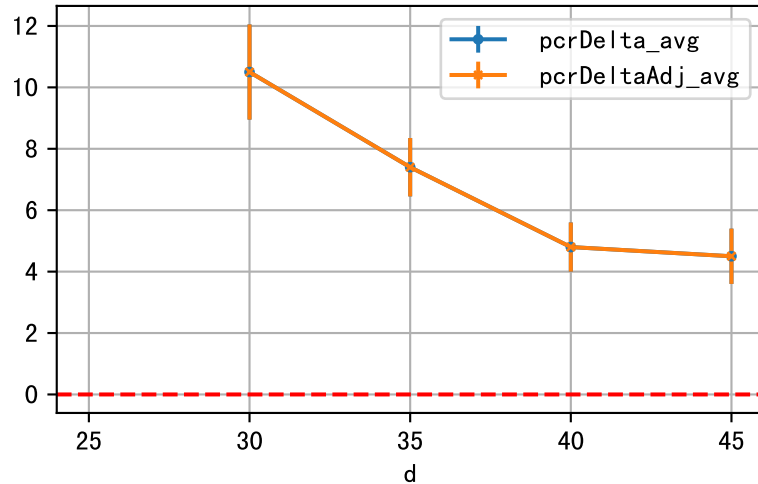


NdD: model est vs obs0v@Q50

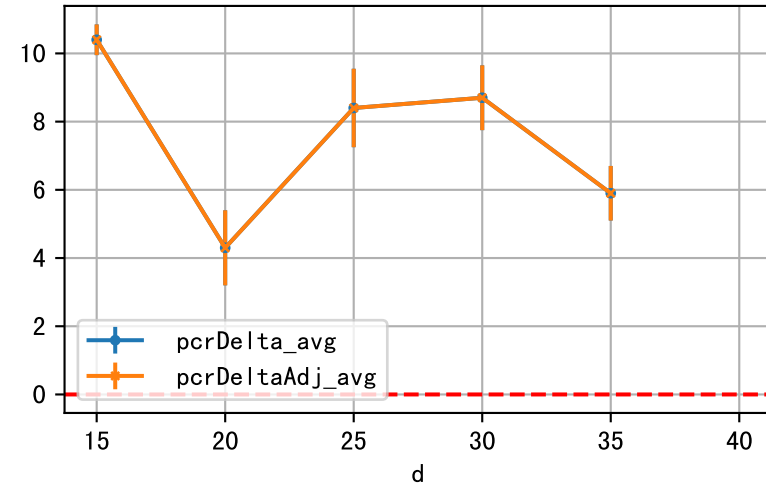


P3-6 NdD: D_5d_NdD

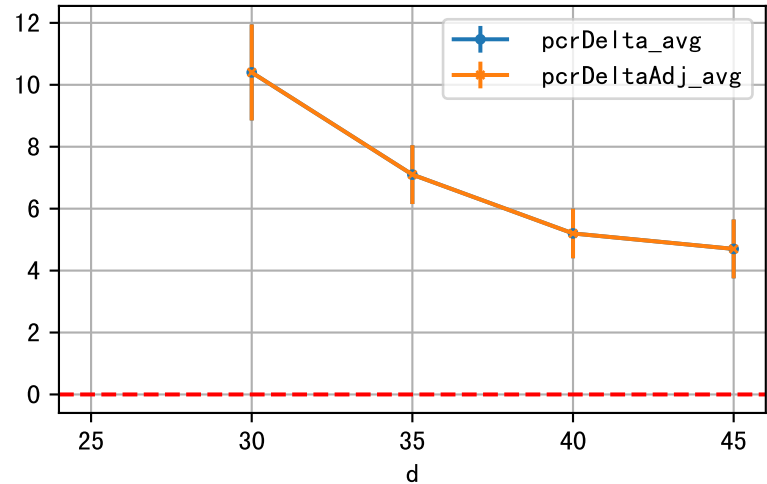
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

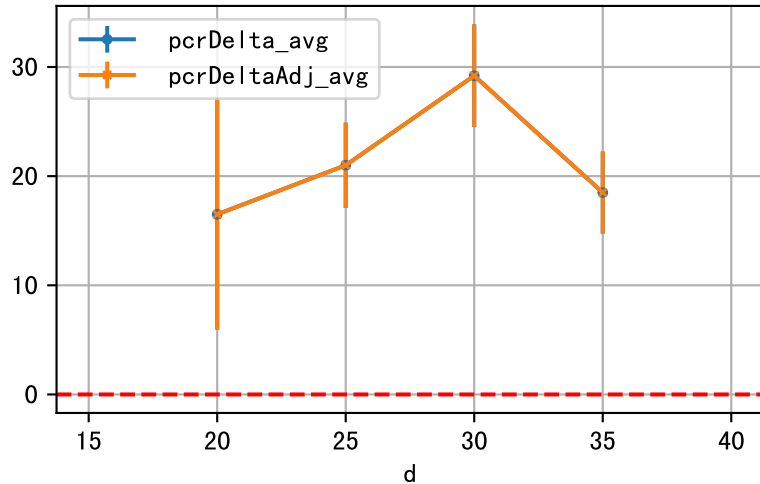


DeltaTypeAbbr=Wei AvgByD

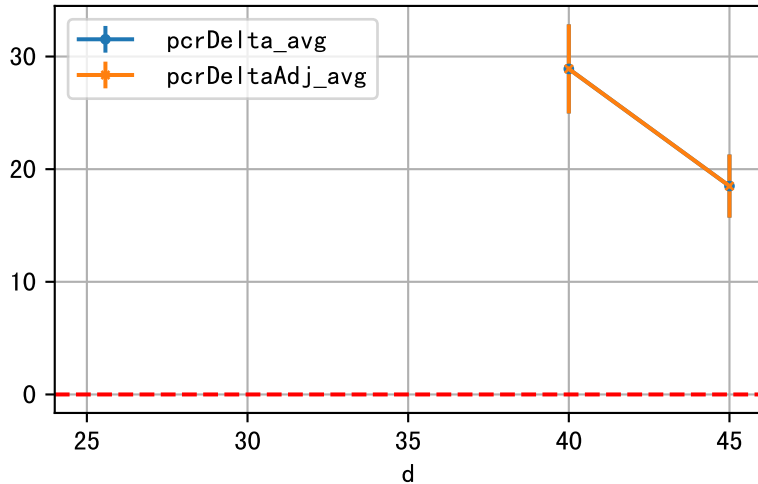


P3-6 NdD: D_15d_NdD

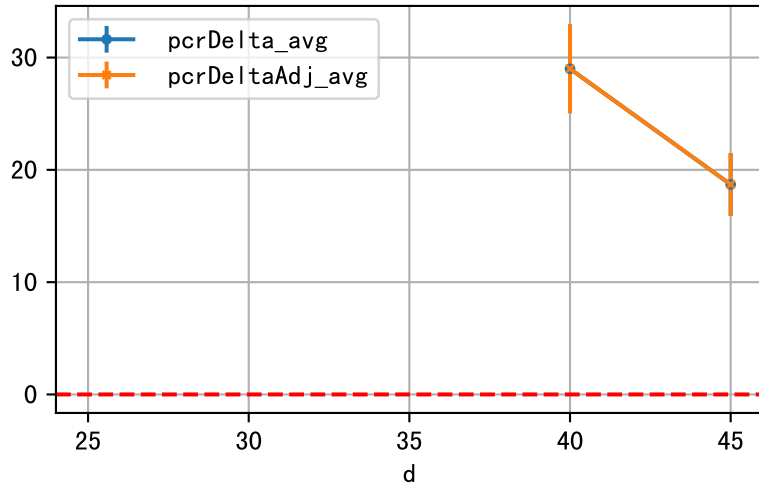
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

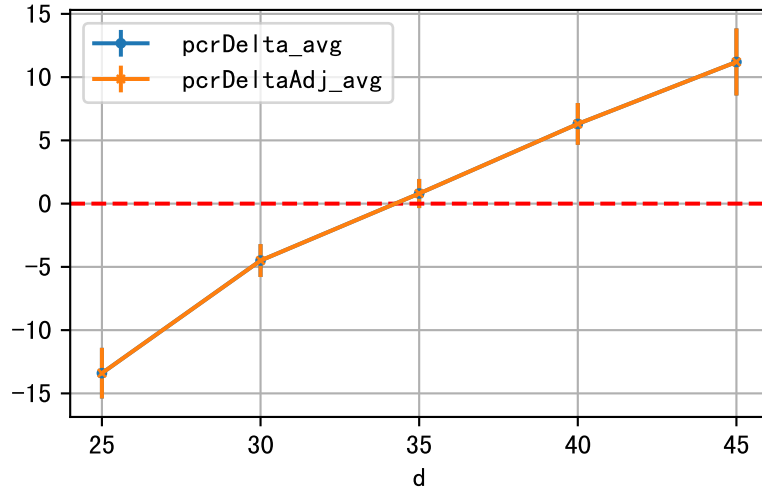


DeltaTypeAbbr=WeiAvgByD

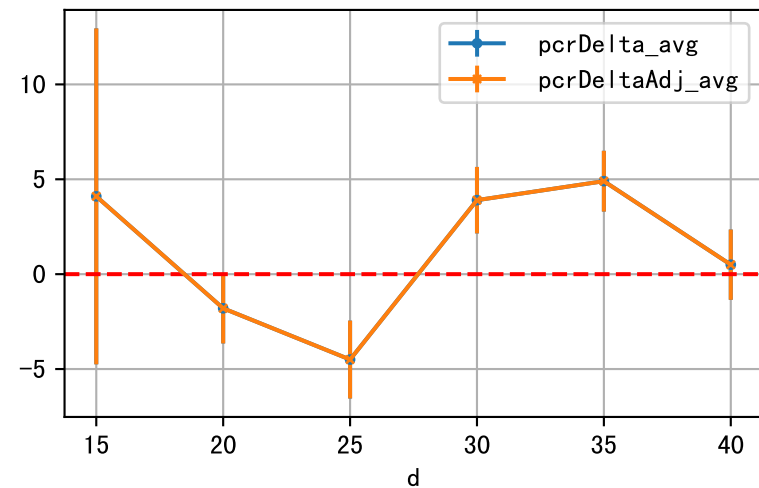


P3-6 NdD: D_Q50_NdD

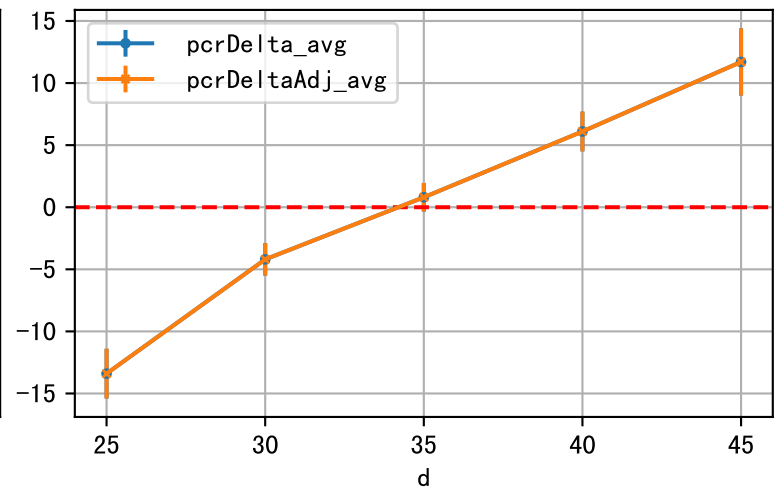
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

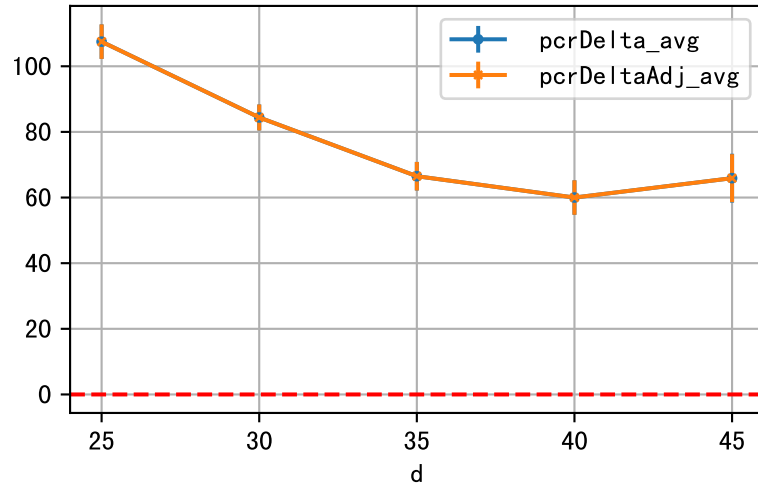


DeltaTypeAbbr=Wei AvgByD

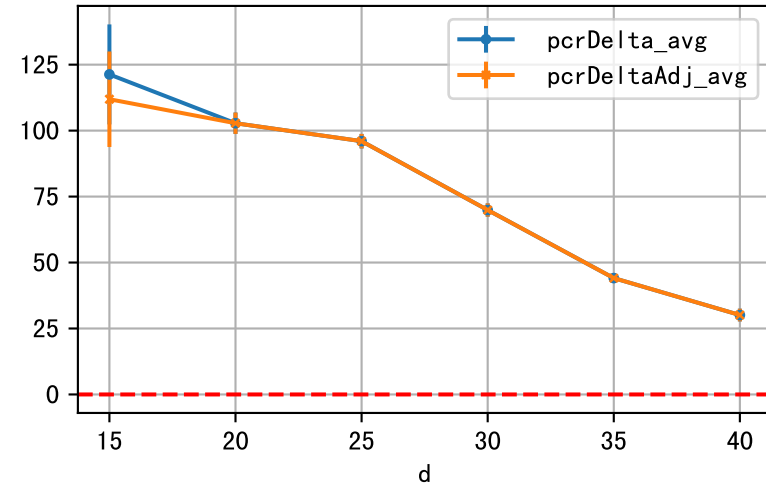


P3-6 NdD: D_Est_NdD

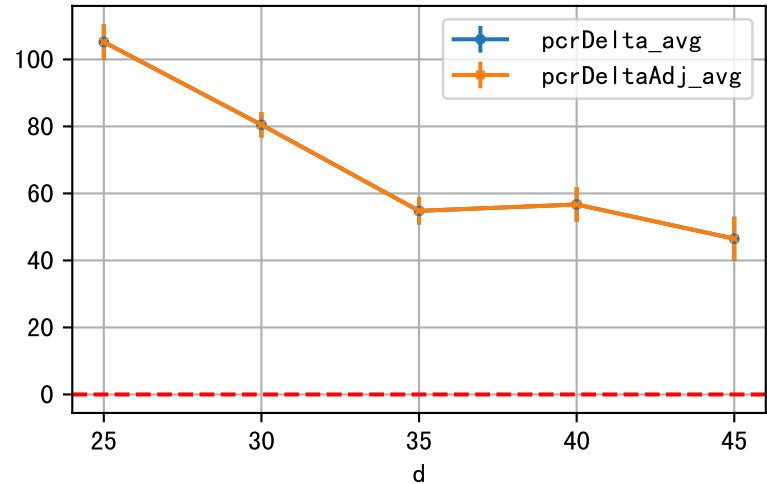
DeltaTypeAbbr=GrpByDay



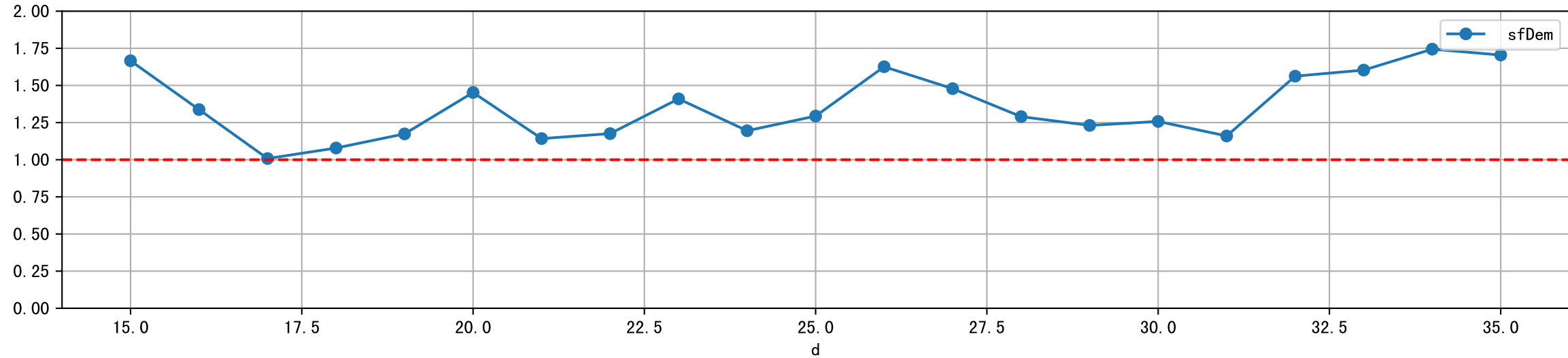
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD

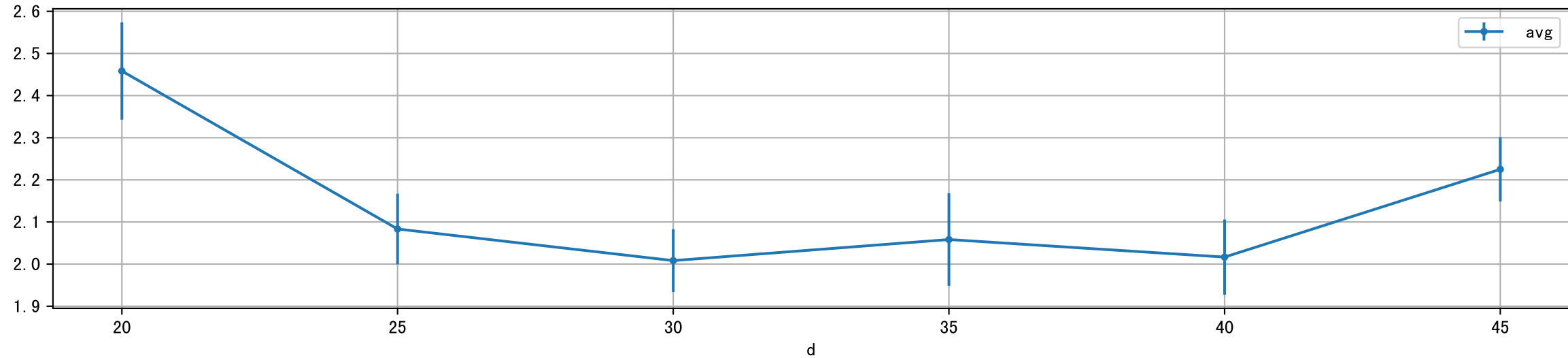


NdD: sfDem

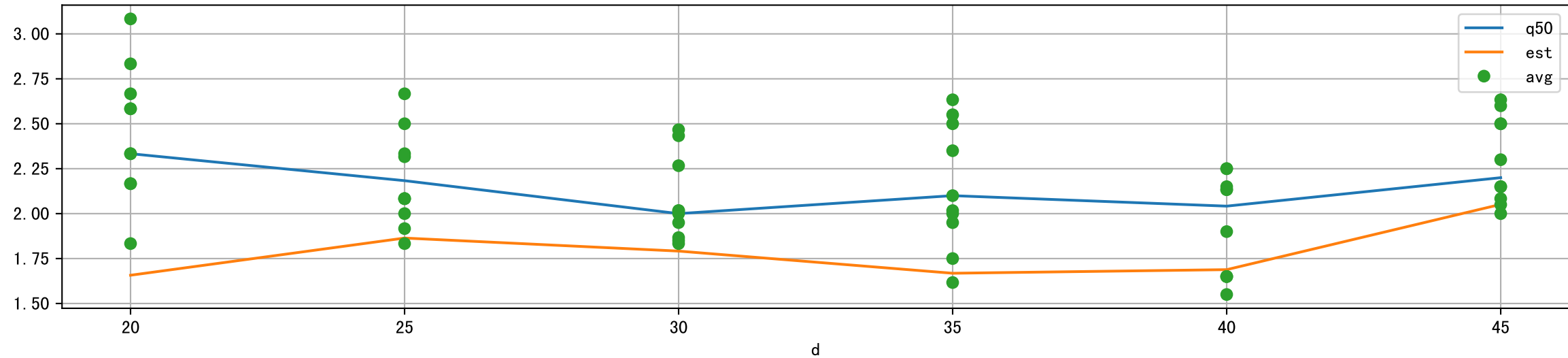




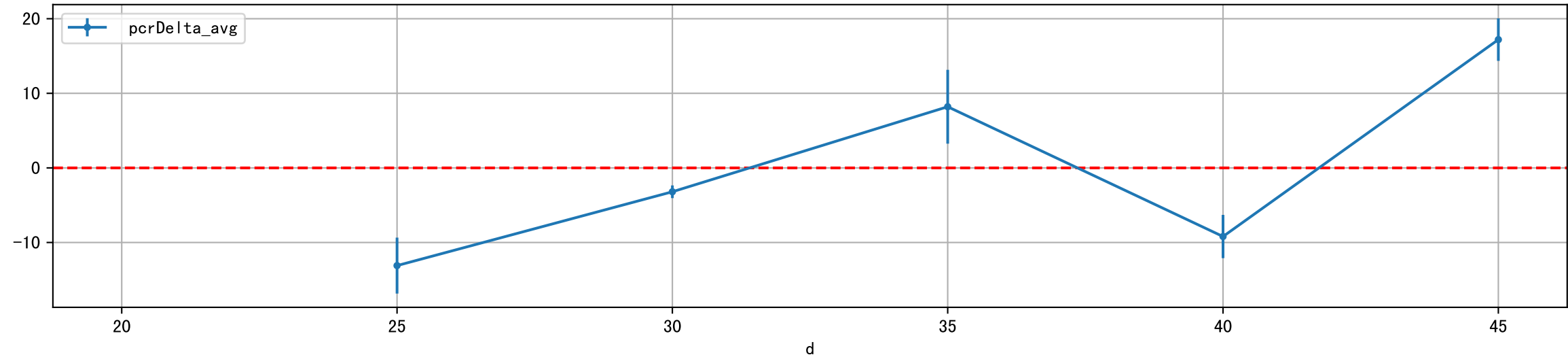
dStH: avg vs. d



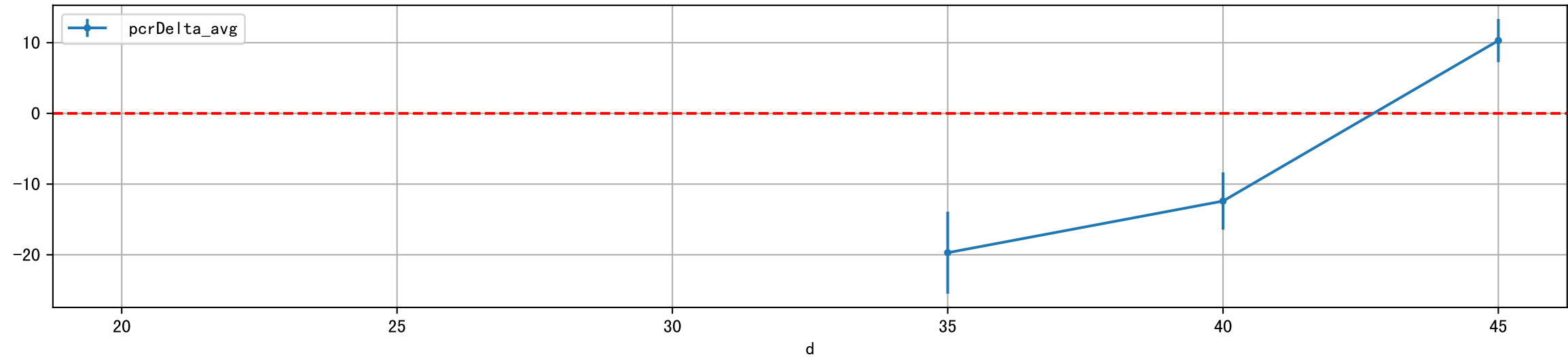
dStH: obsAvg vs obs0v@Q50



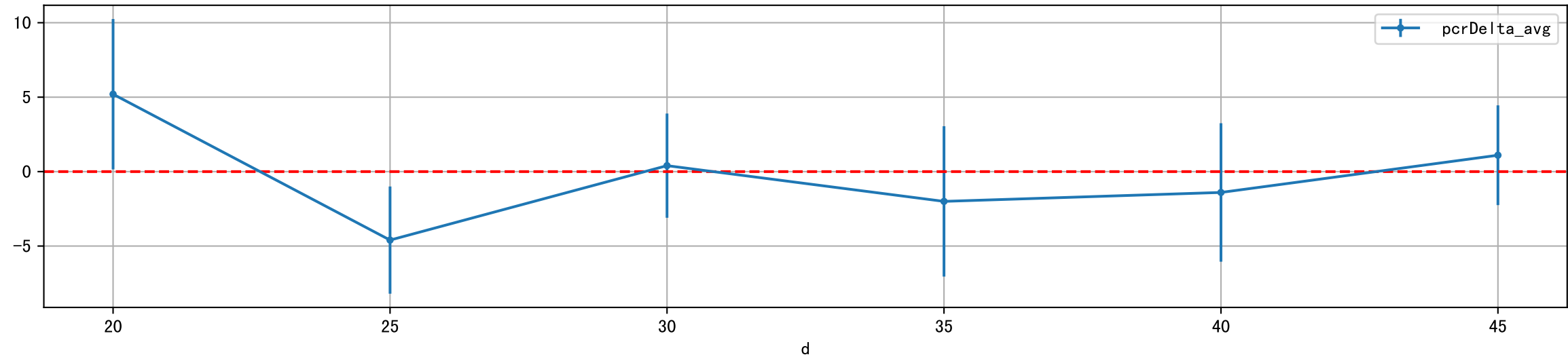
dStH: D_5d_StH



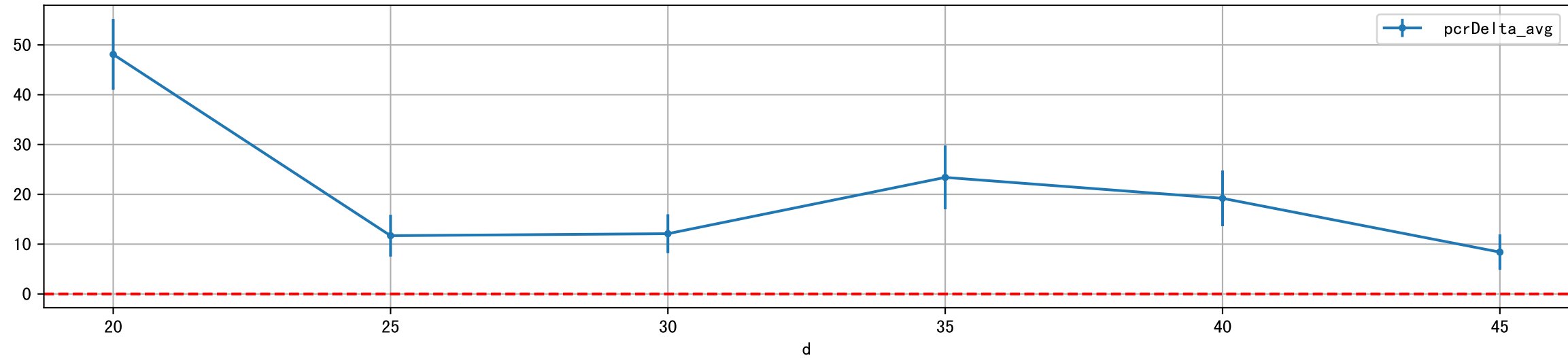
dStH: D_15d_StH



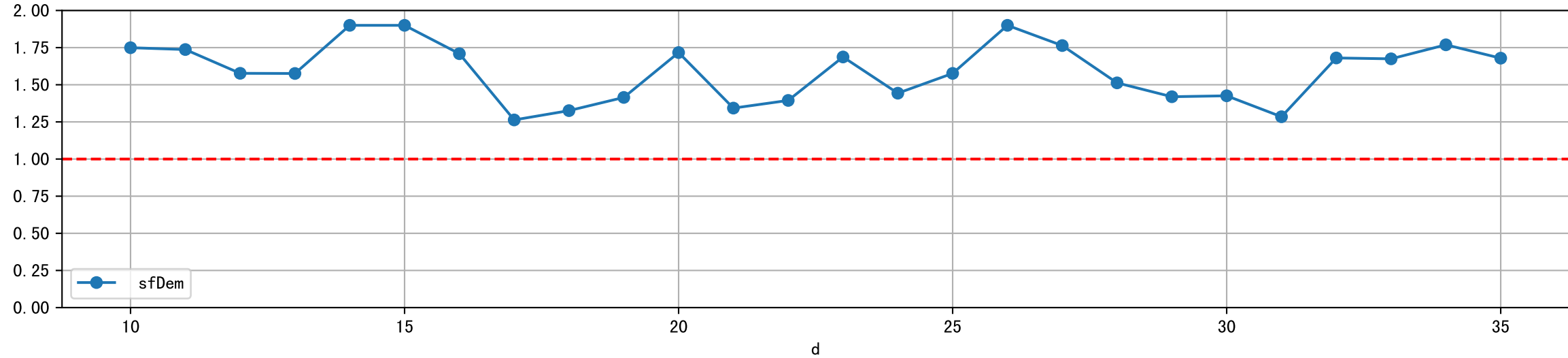
dStH: D_Q50_StH



dStH: D_Est_StH

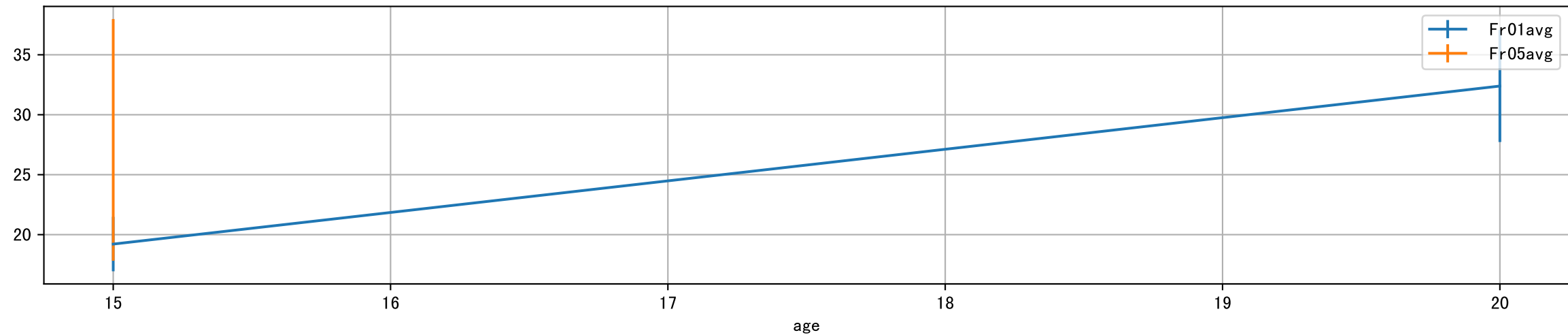


dStH: sfDem



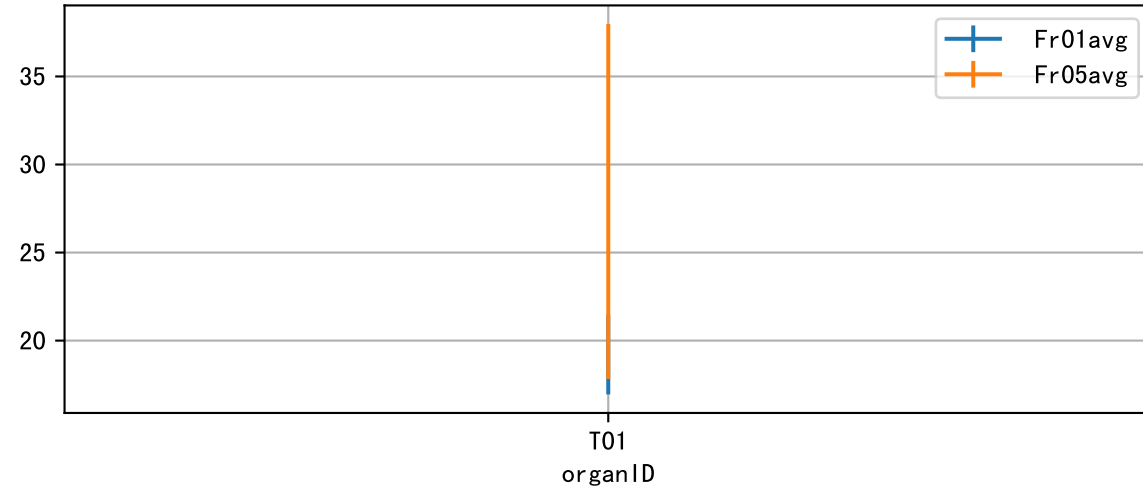


FrV: Fr01 vs Fr05 at each truss
organID=T01

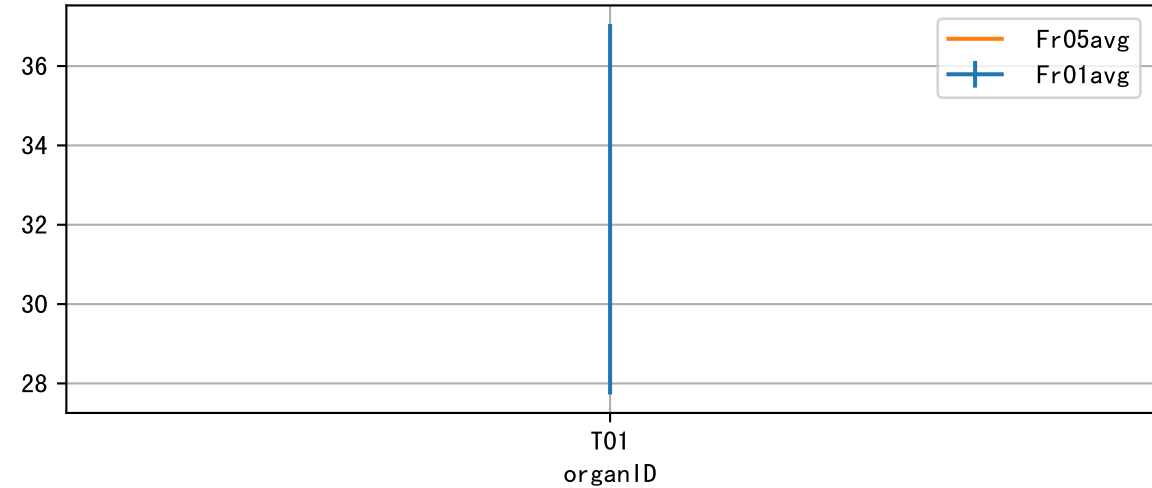


FrV trend at each age

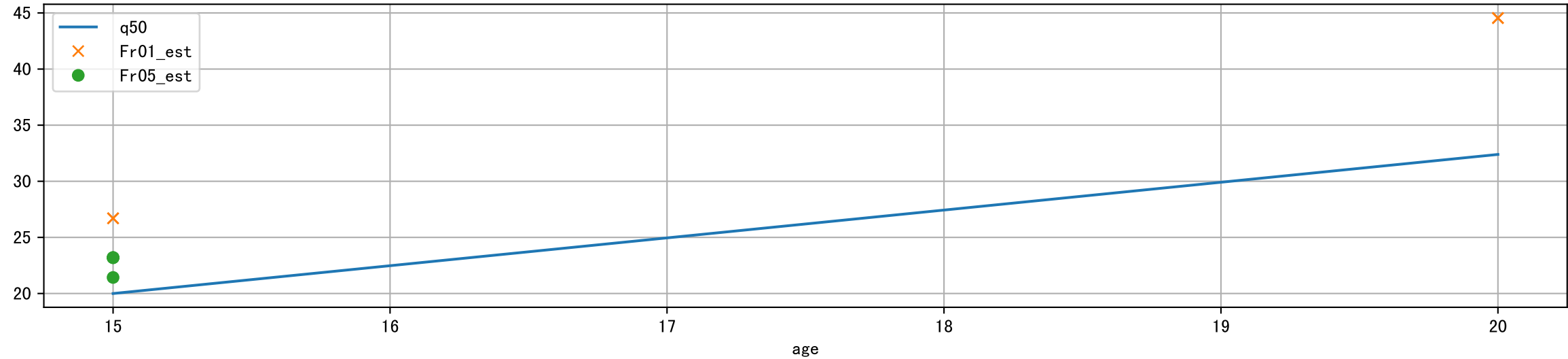
age=15



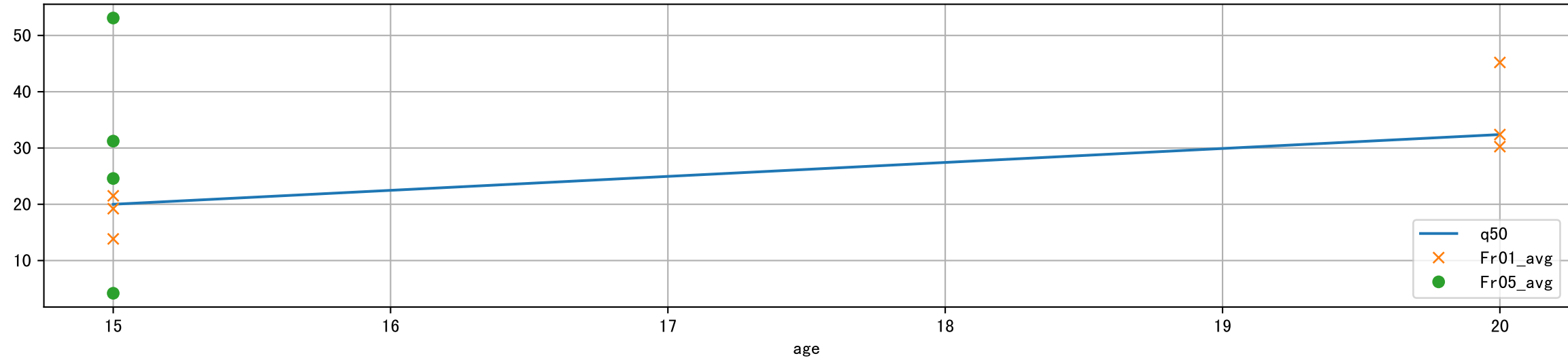
age=20



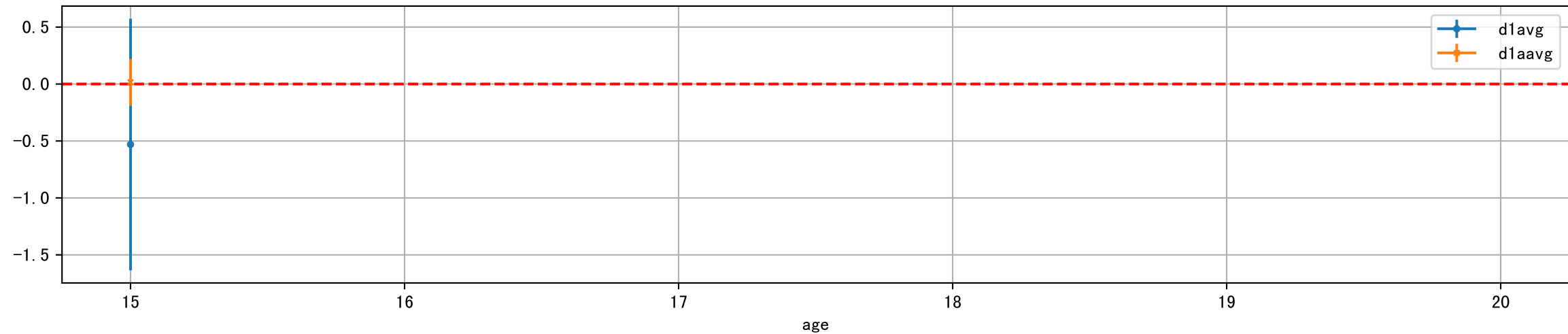
FrV: model Est vs obsFrV at Q90



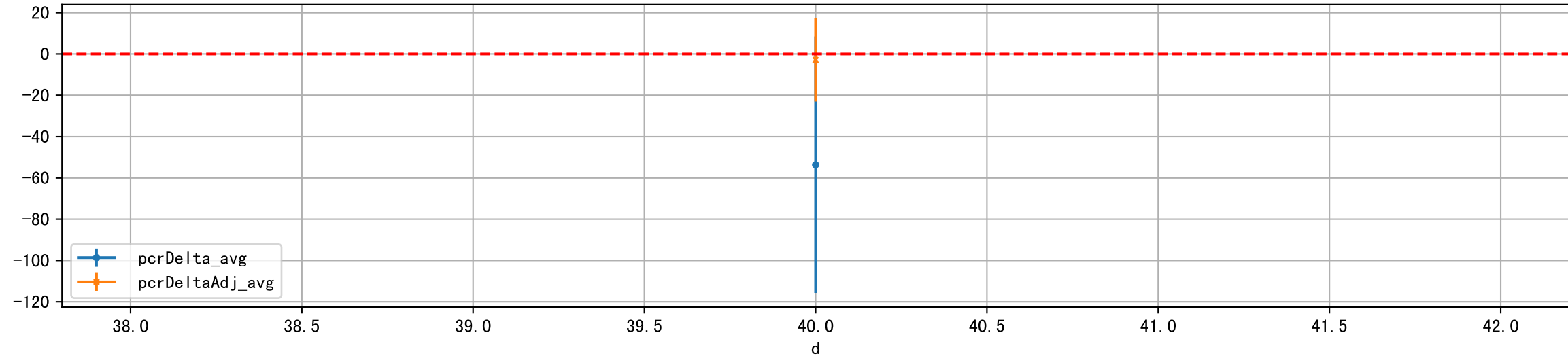
FrV: obsFrV vs obsFrV@Q90



FrV: D_Fr1_FrV
organID=1

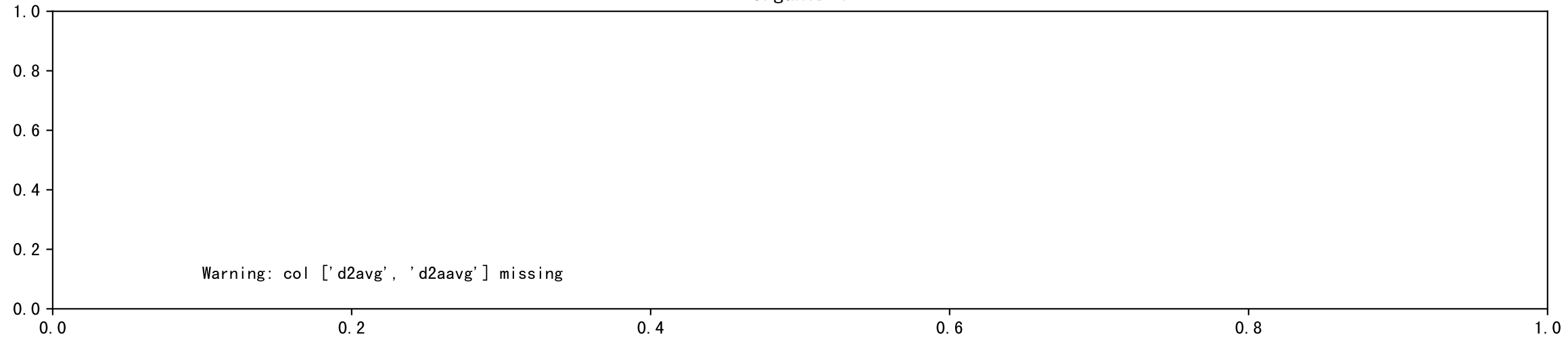


P3-6 FrV: D_Fr1_FrV

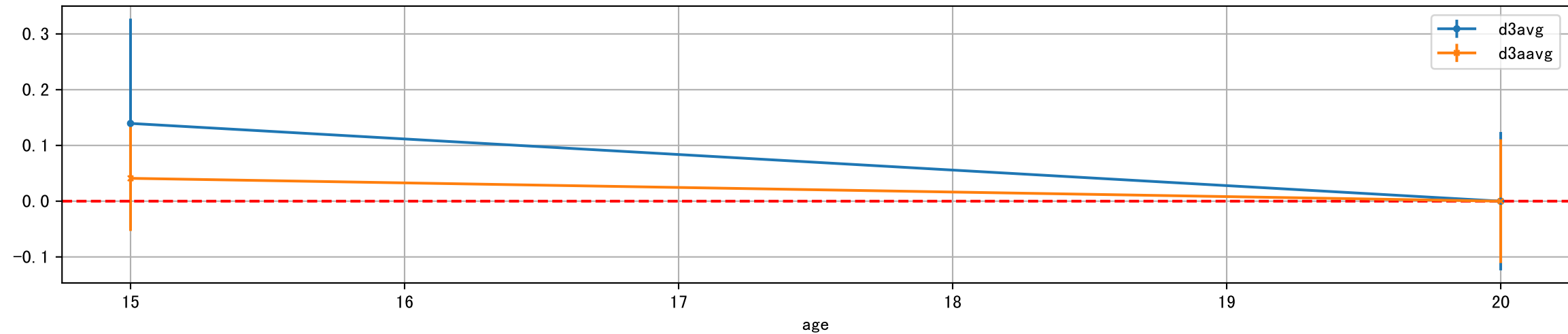


FrV: D_Ts_FrV
organID=1

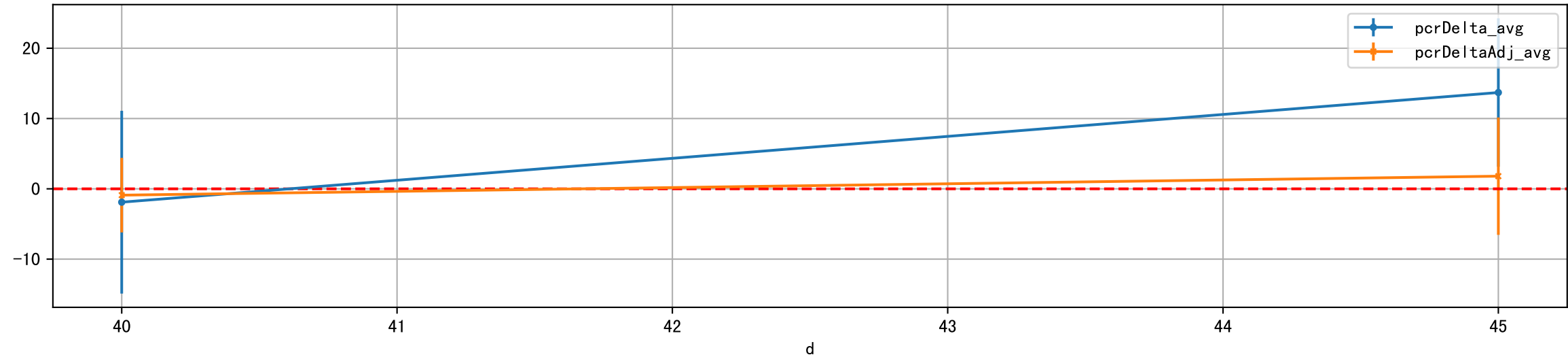
Warning: col ['d2avg', 'd2aavg'] missing



FrV: D_Q50_FrV
organID=1



P3-6 FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=1

