

Phenotype Data Analysis Plots

PhenoData day range = 12 - 51

Analysis cutoff day = 51

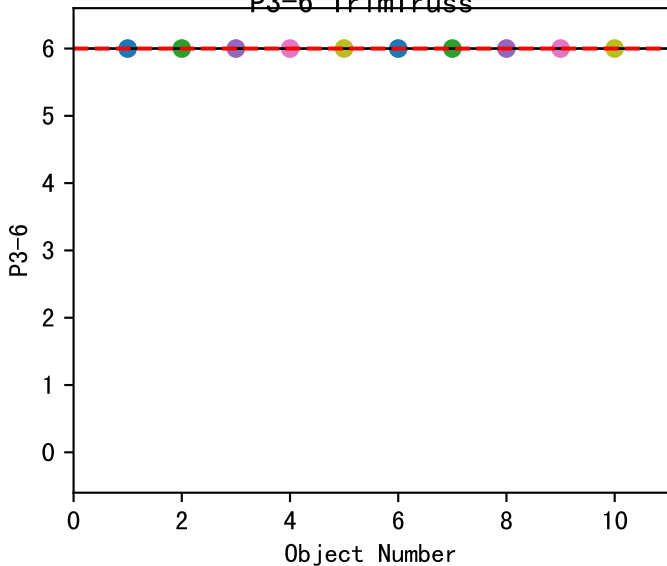
NC11 P3-6

2025-05-19 (Day 51)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0 ~0% avg2=na

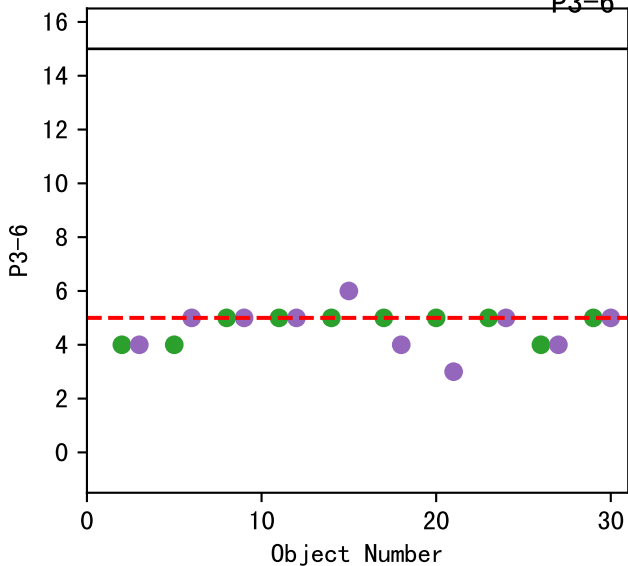
P3-6 TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

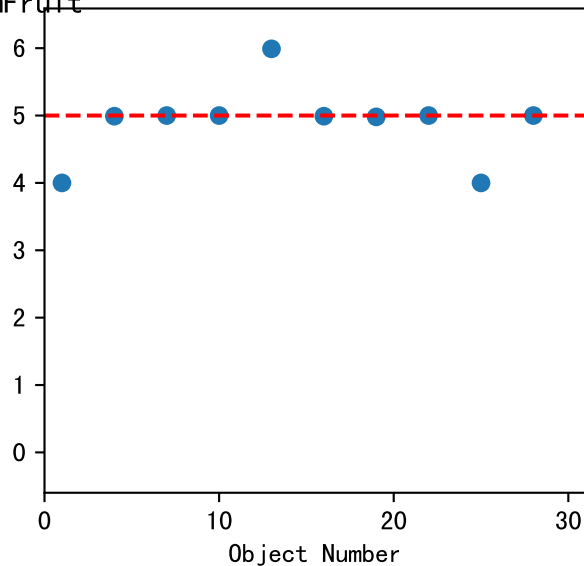
avg1=5.0~13% avg2=na

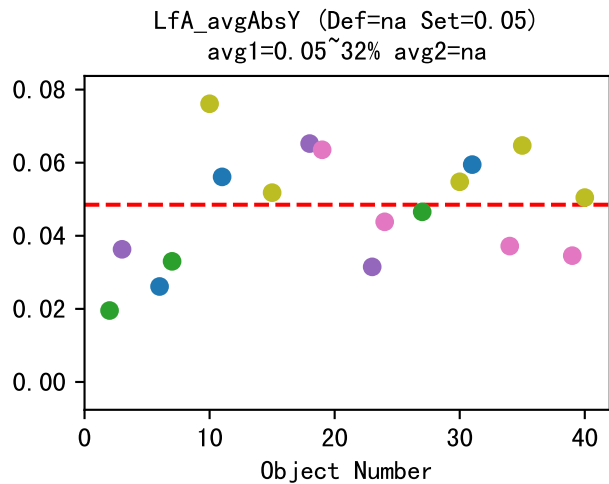
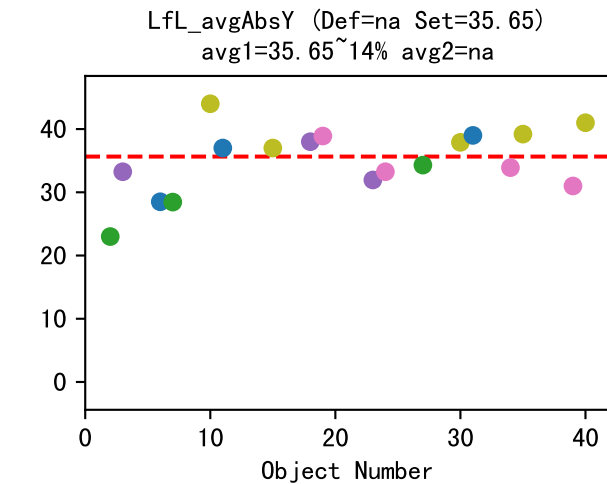
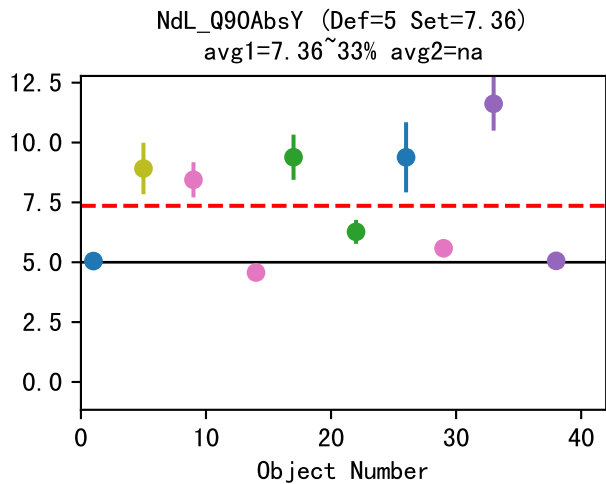
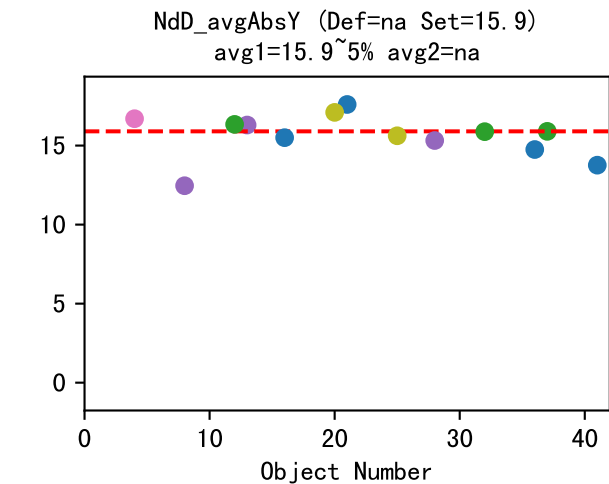
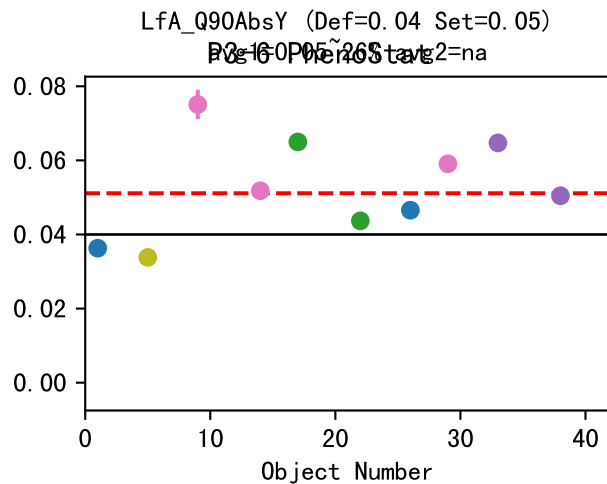
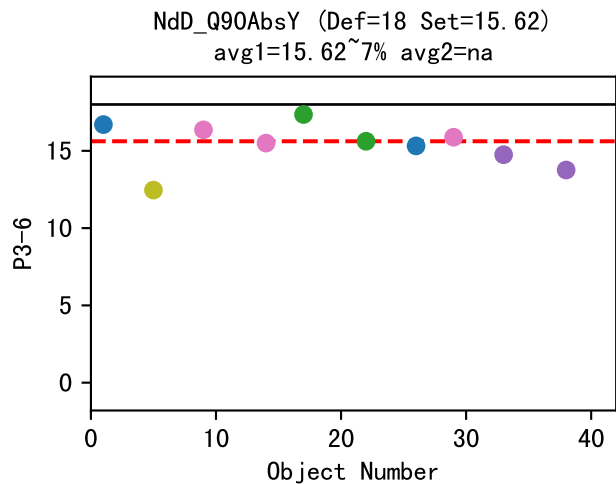
P3-6 TrimFruit



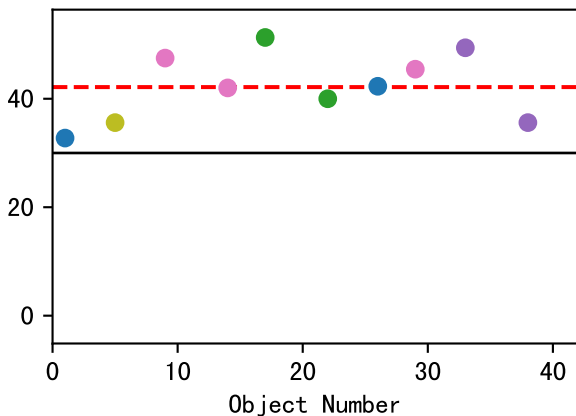
FruitNumMaxPerTruss (Def=na Set=5)

avg1=5.0~0% avg2=na

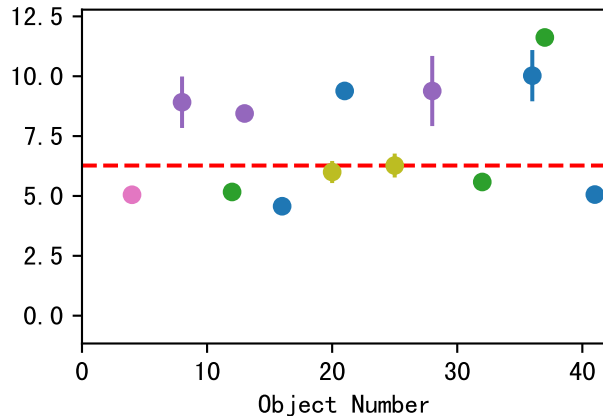




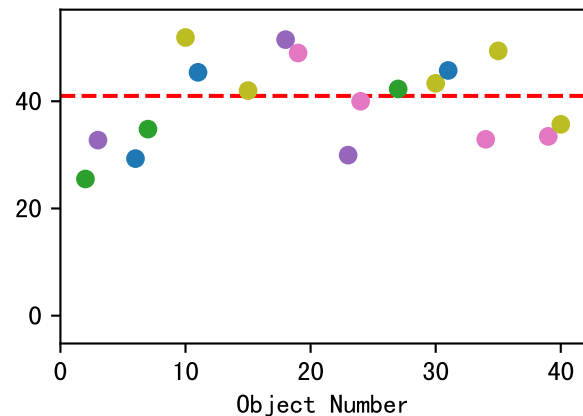
LfW_Q90AbsY (Def=30 Set=42.15)
avg1=42.15~15% avg2=na



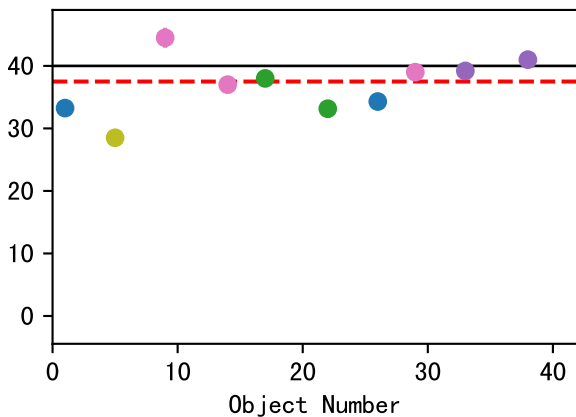
NdL_avgAbsY (Def=na Set=6.27)
avg1=6.27~38% avg2=na



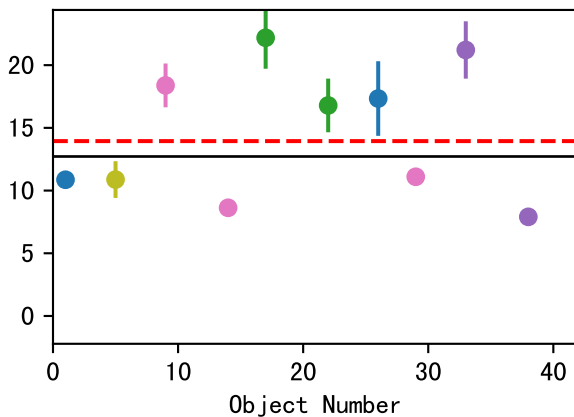
LfW_avgAbsY (Def=na Set=41.0)
avg1=41.0~20% avg2=na



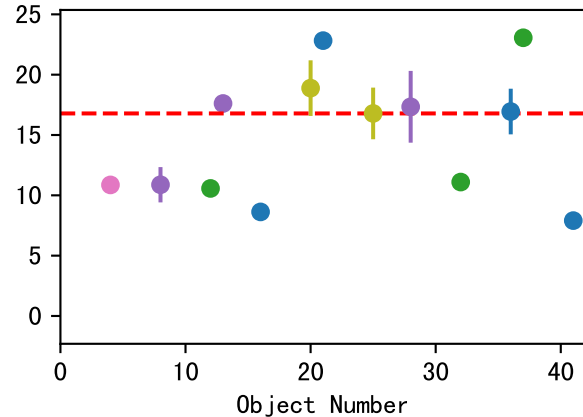
LfL_Q90AbsY (Def=40 Set=37.5)
avg1=37.5~12% avg2=na



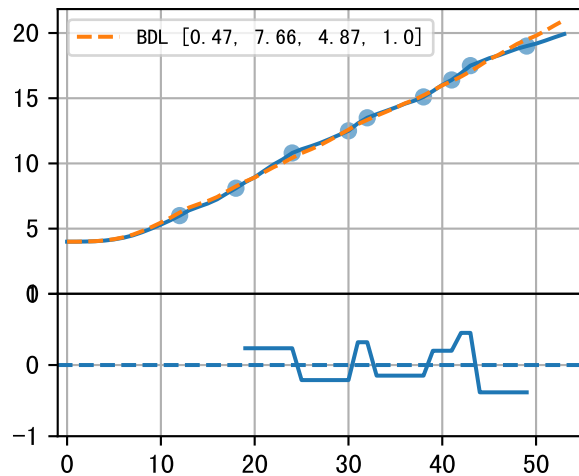
NdV_Q90AbsY (Def=12.72 Set=13.94)
avg1=13.94~38% avg2=na



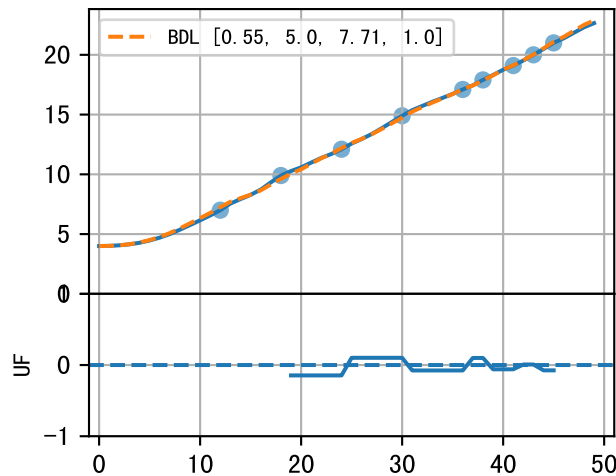
NdV_avgAbsY (Def=na Set=16.79)
avg1=16.79~31% avg2=na



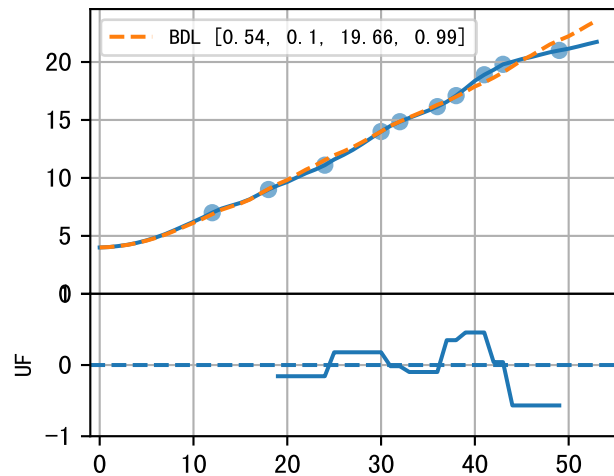
P3-6-003-24 (fit failed)



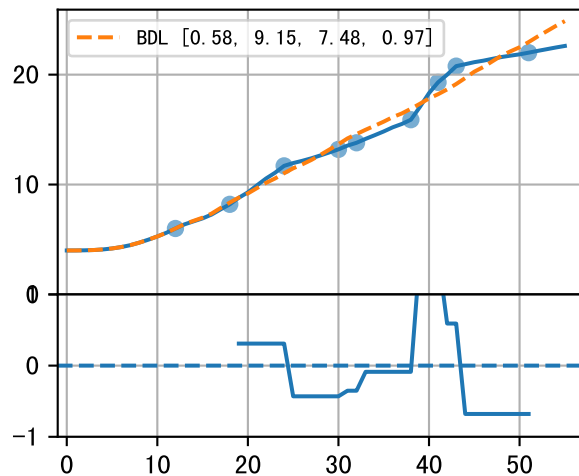
P3-6-007-11 (fit failed)



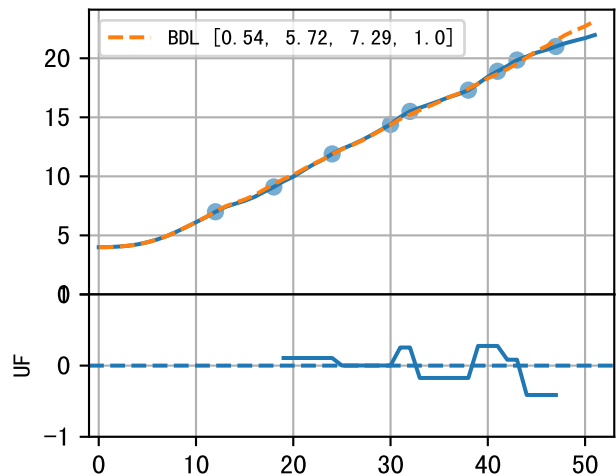
P3-6-011-7 (fit failed)



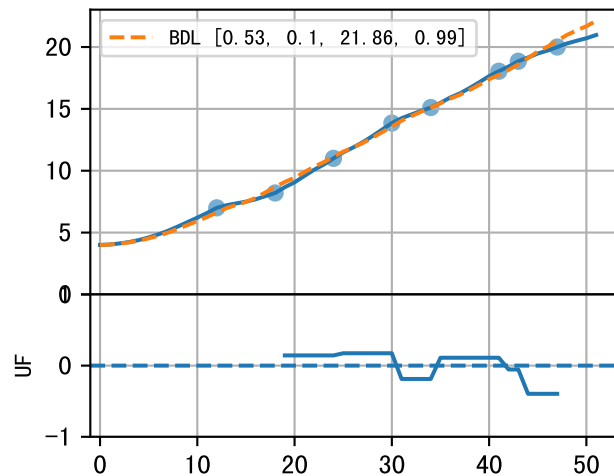
P3-6-015-30 (fit failed)



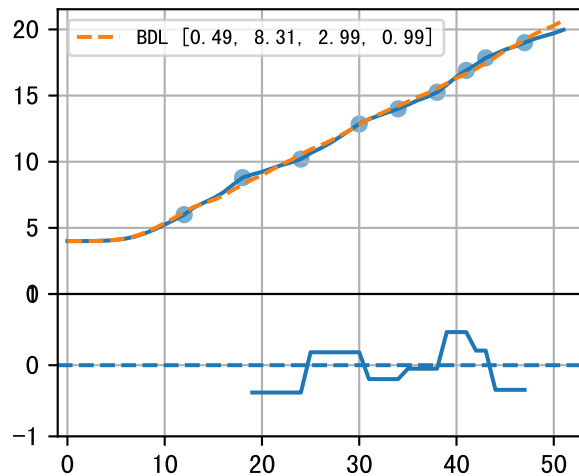
P3-6-019-12 (fit failed)



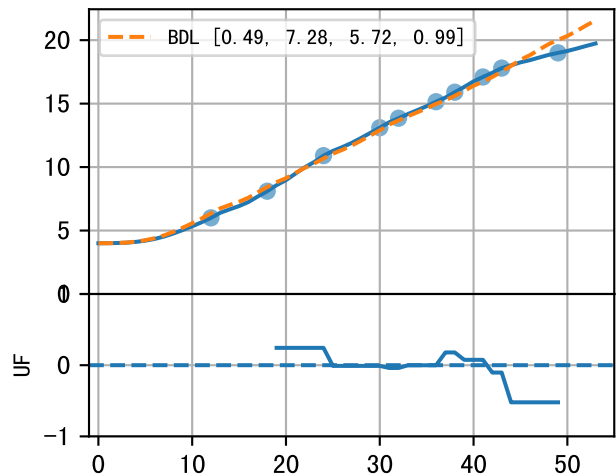
P3-6-024-25 (fit failed)



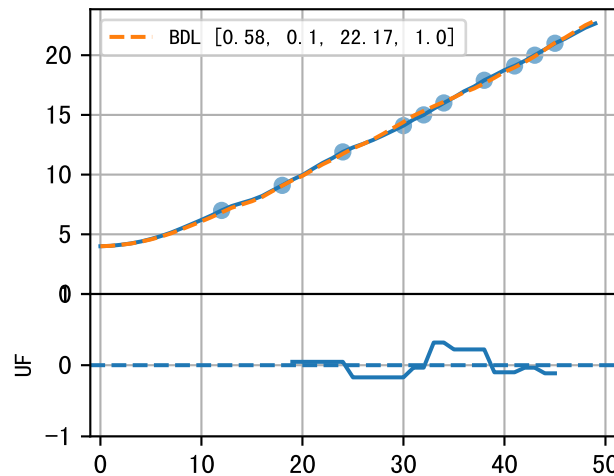
P3-6-028-32 (fit failed)



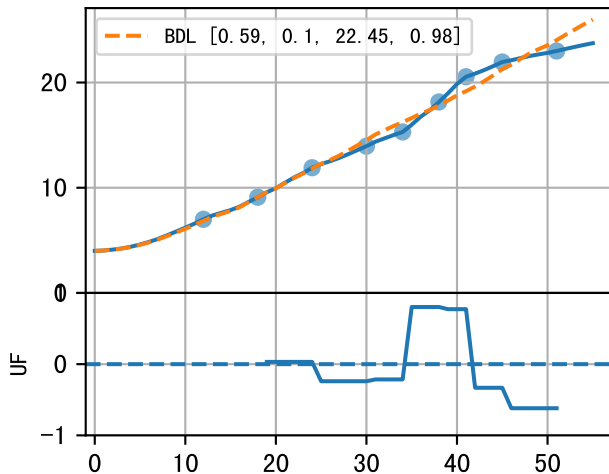
P3-6-033-9 (fit failed)



P3-6-038-21 (fit failed)

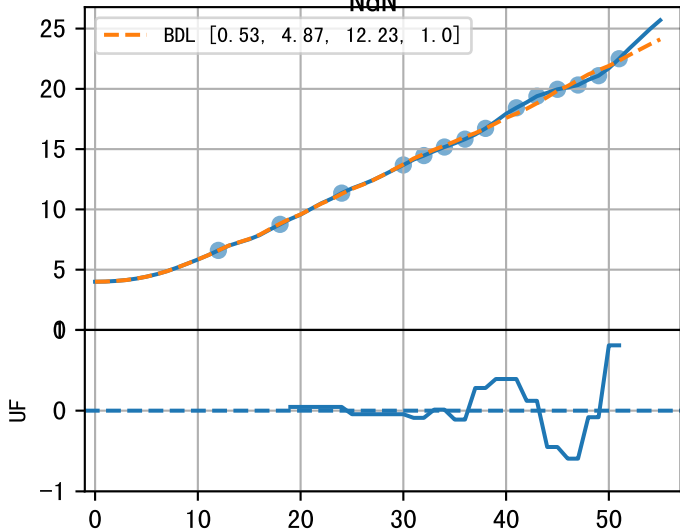


P3-6-042-4 (fit failed)

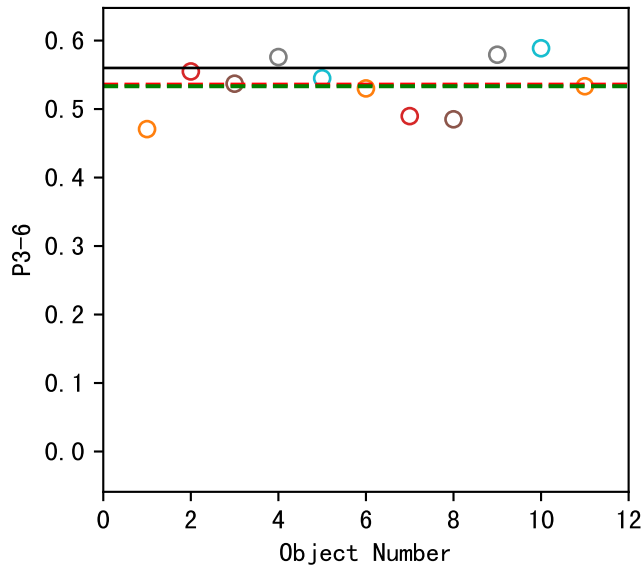


P3-6avg (fit failed)

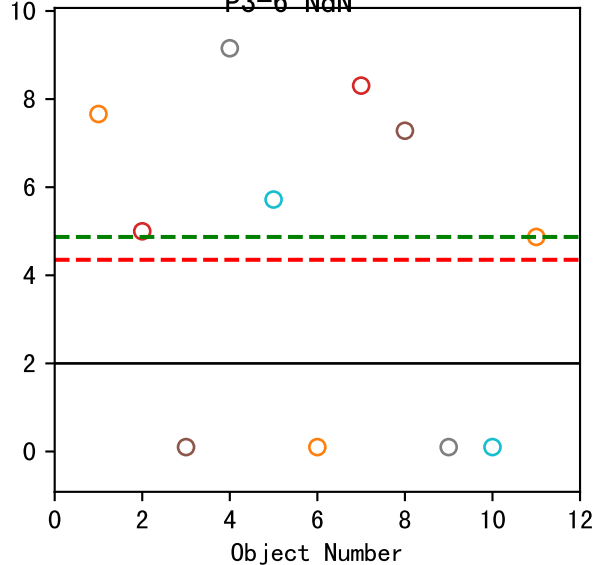
NdN



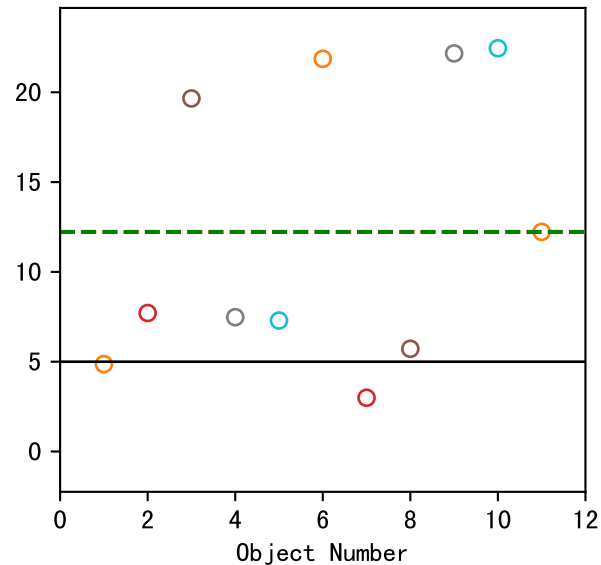
a (Def=0.56 Set=0.53)
avg1=0.54(fail) avg2=0.53



dm (Def=2 Set=4.87)
avg1=4.35(fail) avg2=4.87

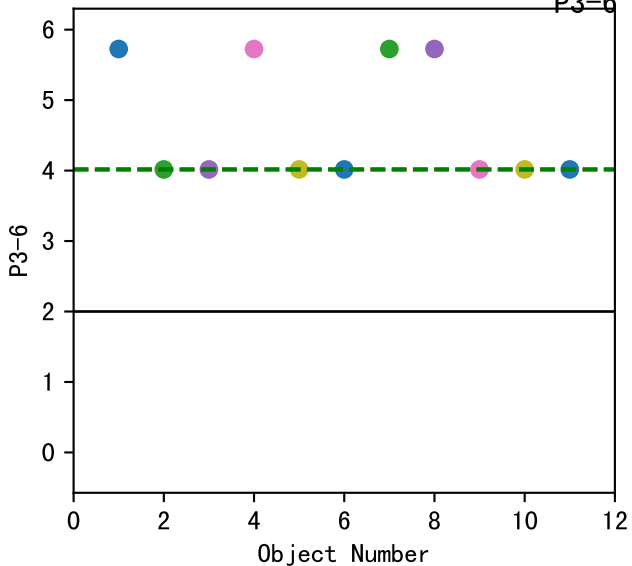


de (Def=5 Set=12.23)
avg1=12.22(fail) avg2=12.23



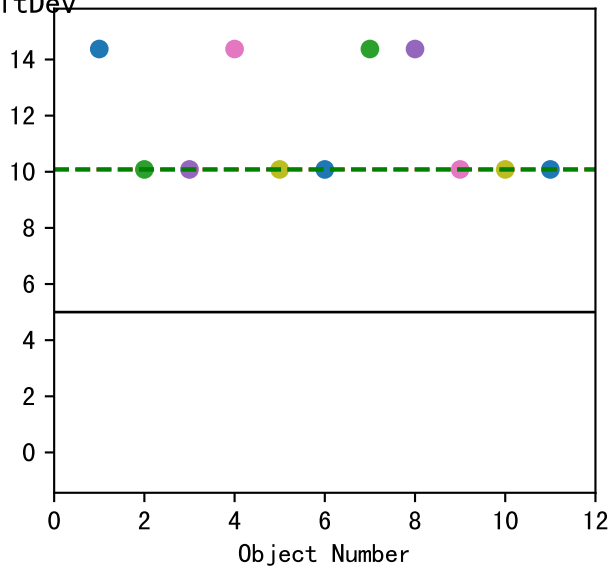
InitDev_dm (Def=2 Set=4.02)
avg1=4.02~22% avg2=4.02

P3-6

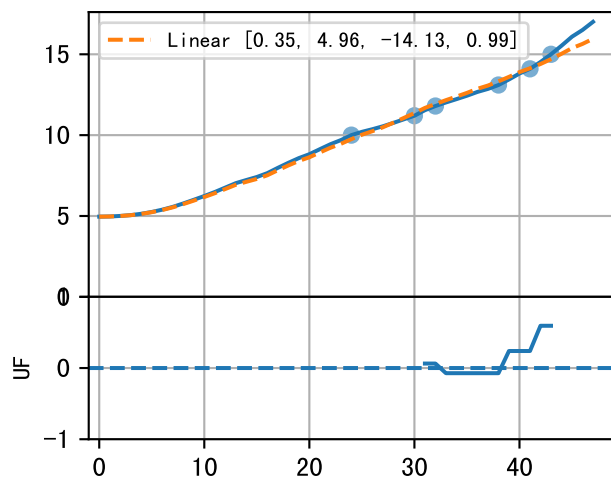


InitDev_de (Def=5 Set=10.08)
avg1=10.08~22% avg2=10.08

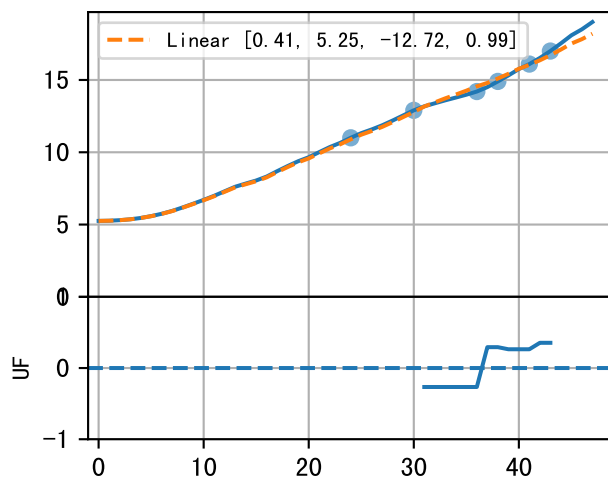
InitDev



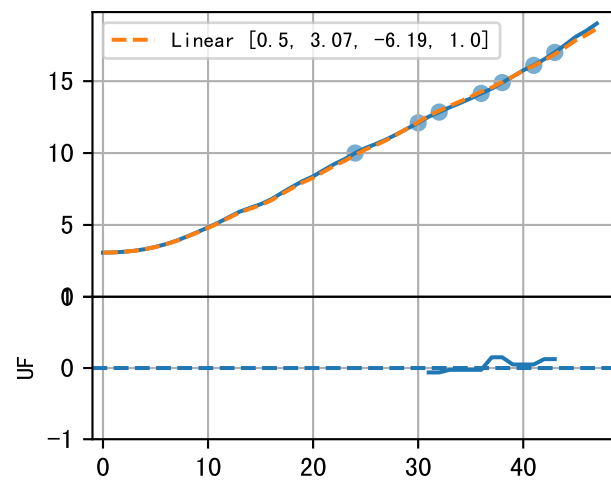
P3-6-003-24



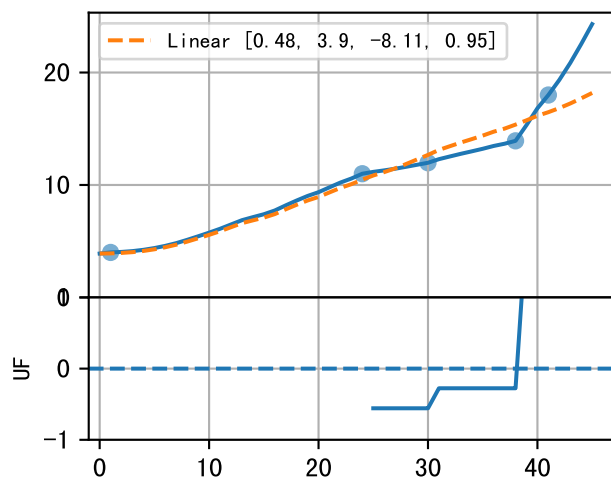
P3-6-007-11



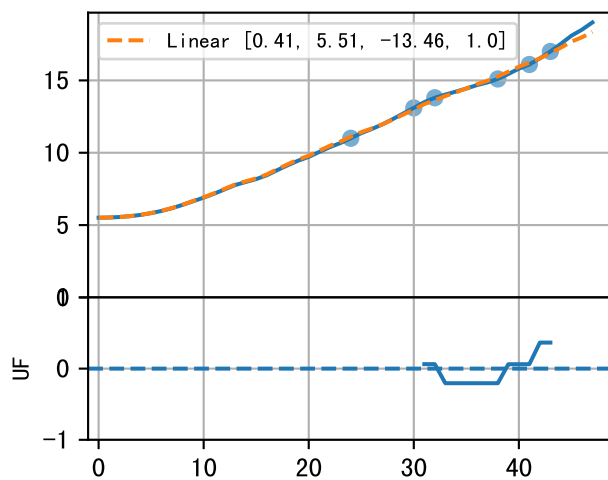
P3-6-011-7



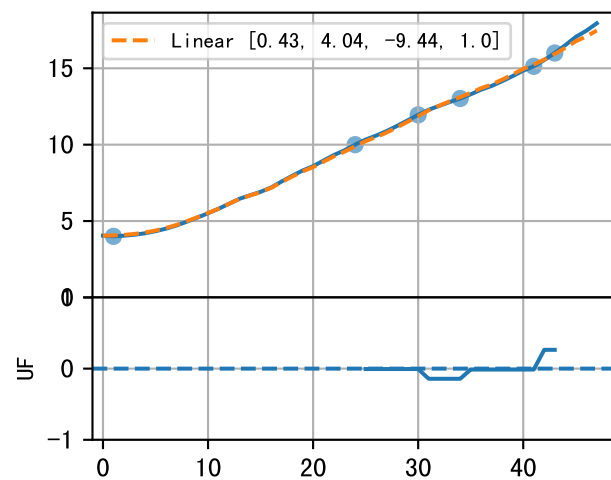
P3-6-015-30



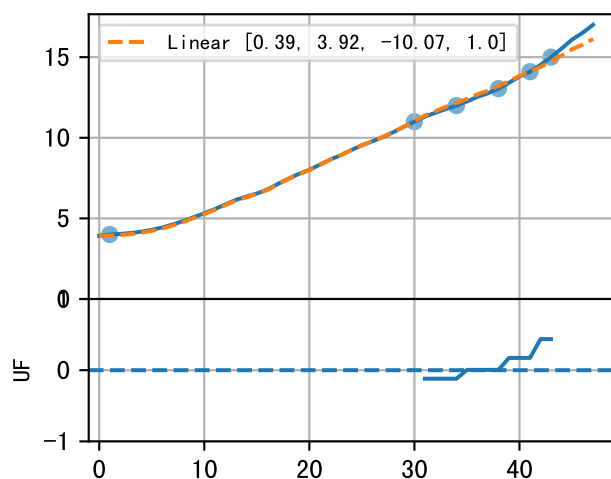
P3-6-019-12



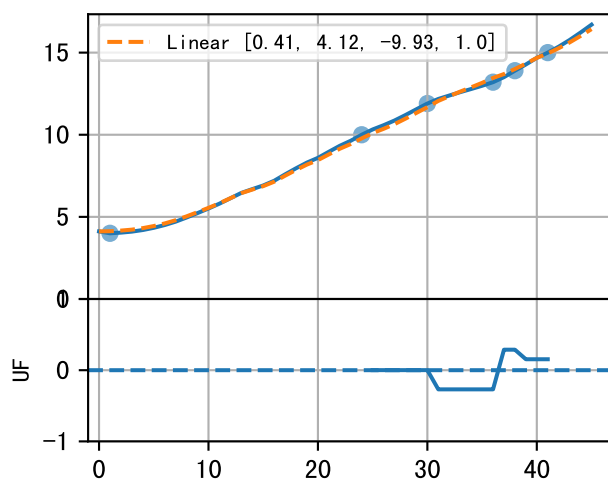
P3-6-024-25



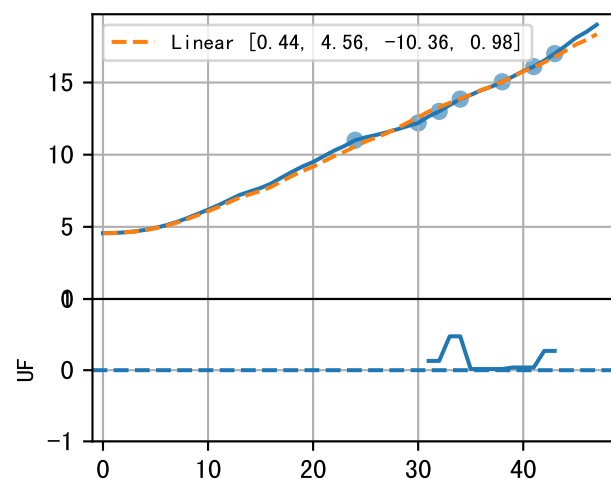
P3-6-028-32



P3-6-033-9

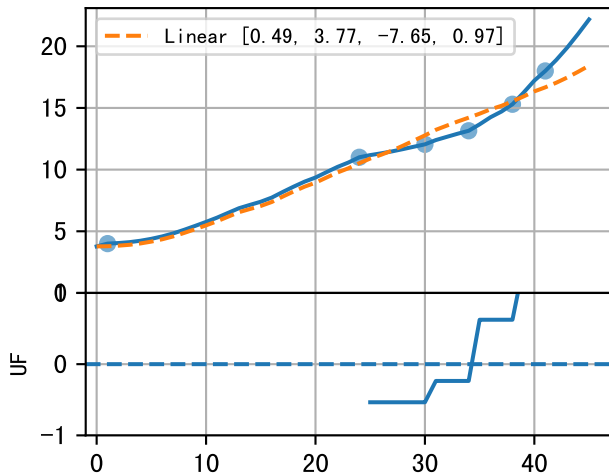


P3-6-038-21

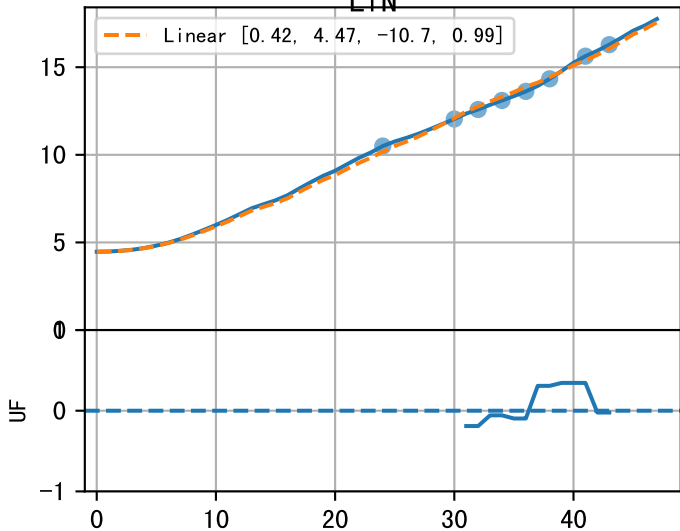


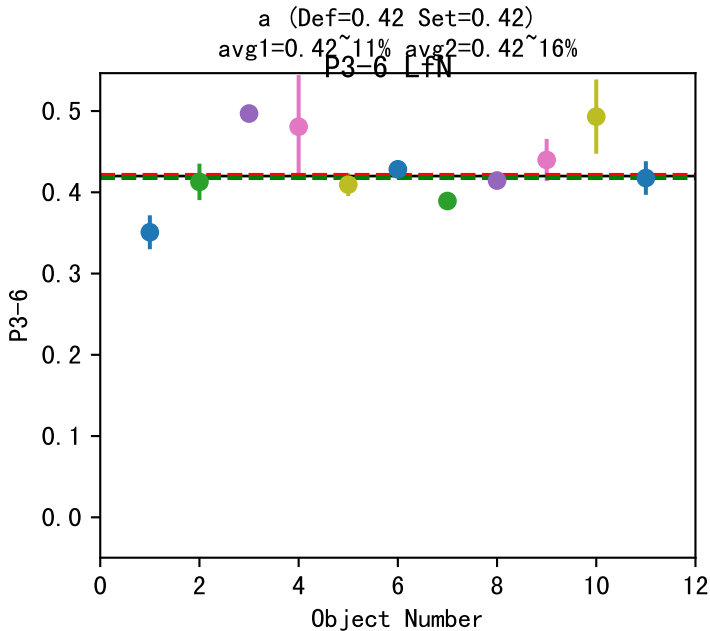
P3-6-042-4

LfN

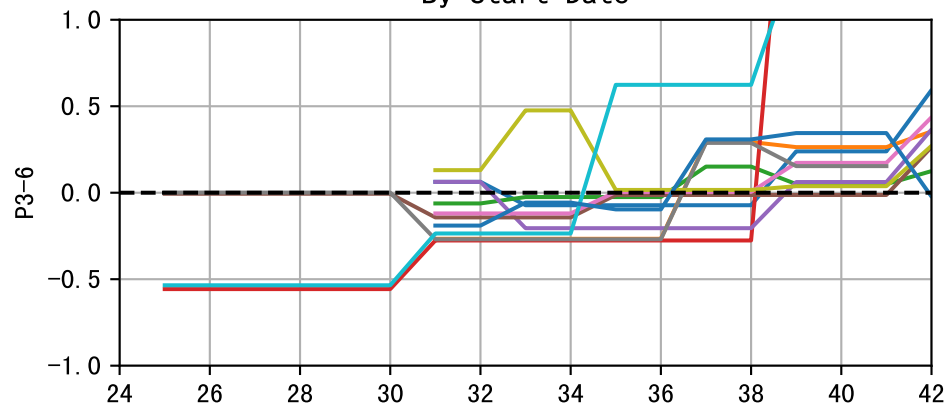


P3-6avg
Lfn

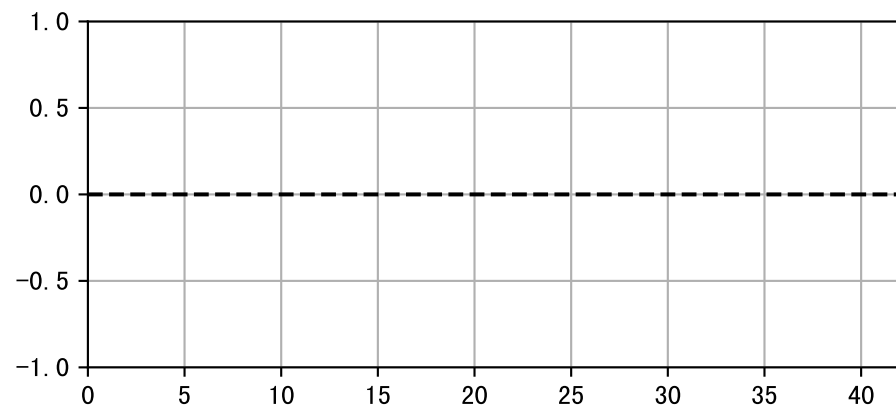
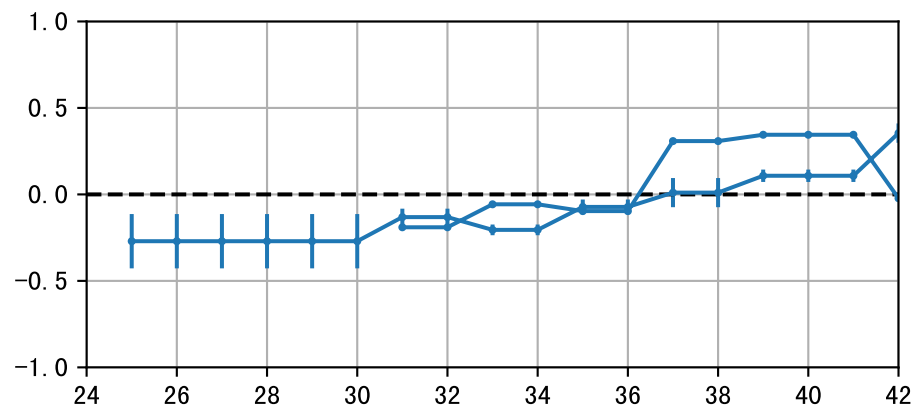
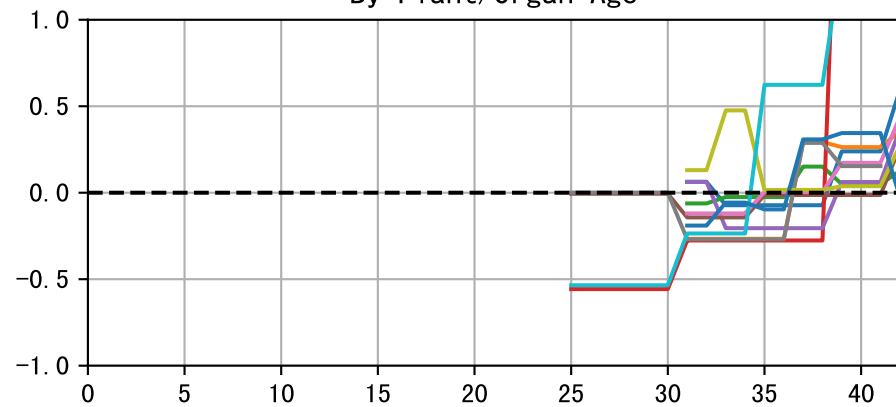




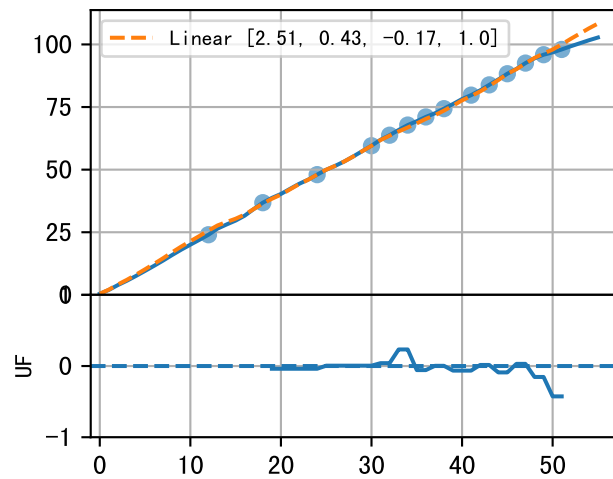
By Start Date



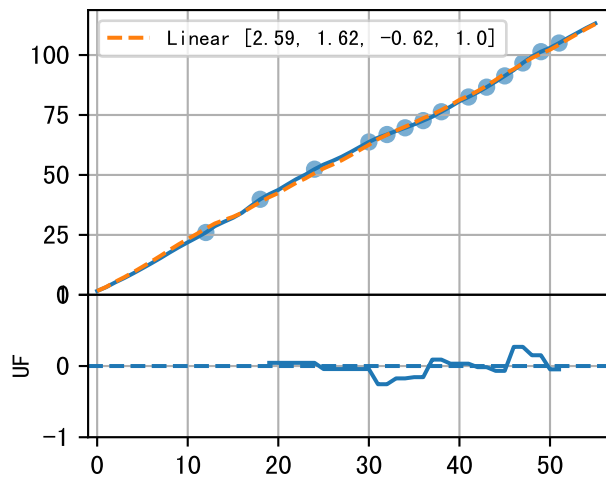
By Plant/Organ Age



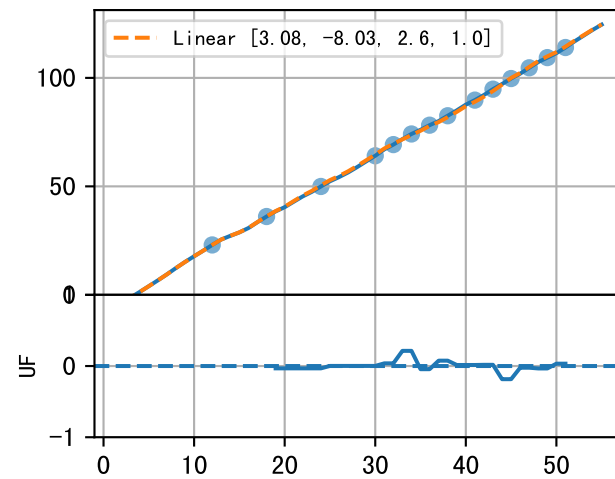
P3-6-003-24



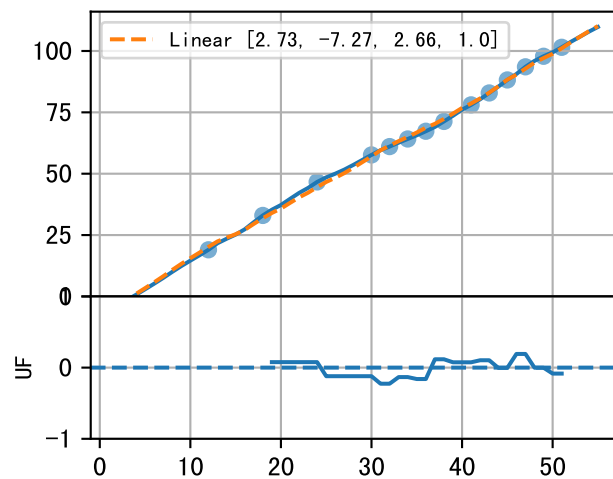
P3-6-007-11



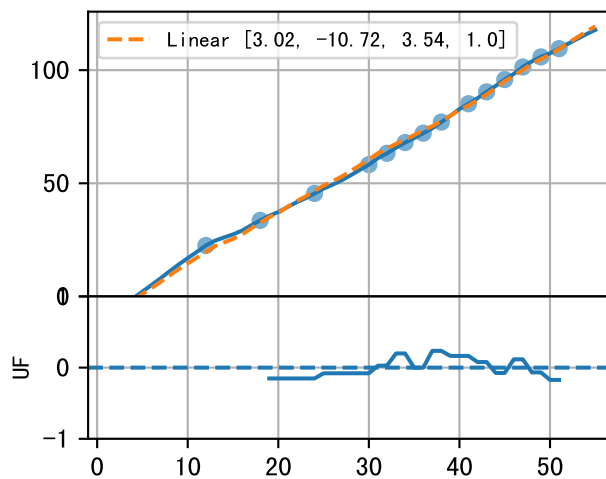
P3-6-011-7



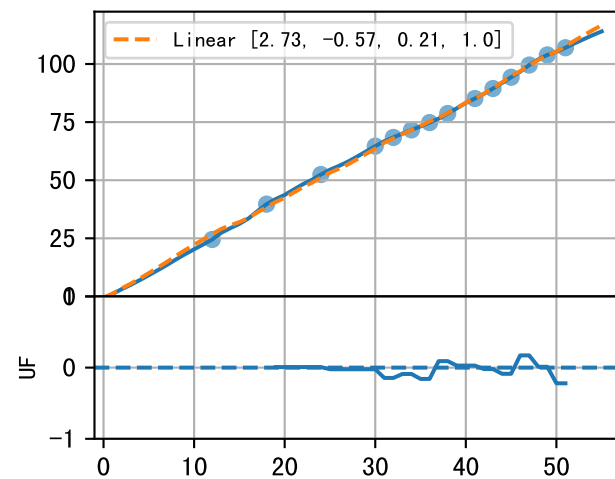
P3-6-015-30



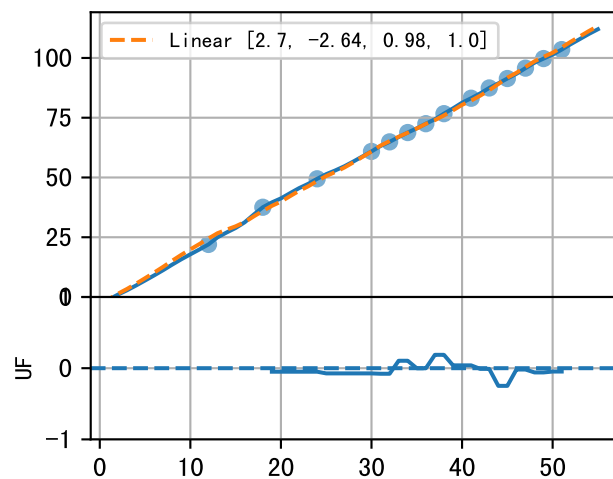
P3-6-019-12



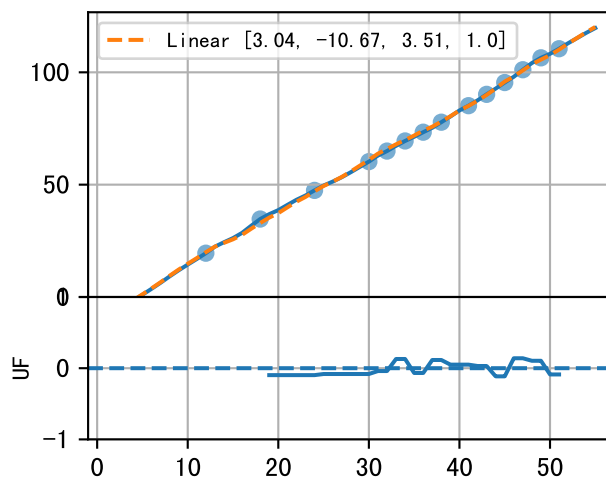
P3-6-024-25



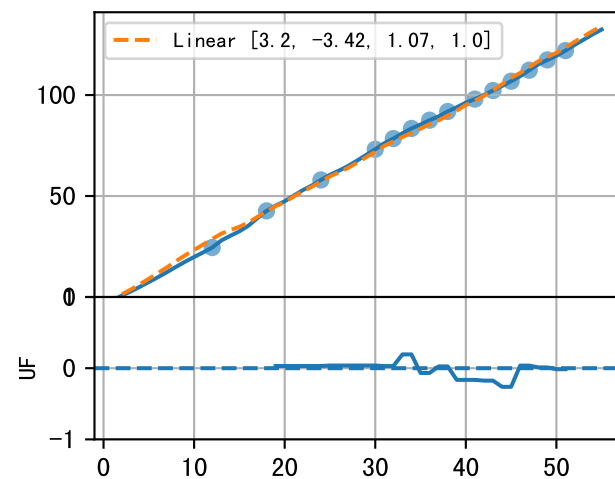
P3-6-028-32



P3-6-033-9

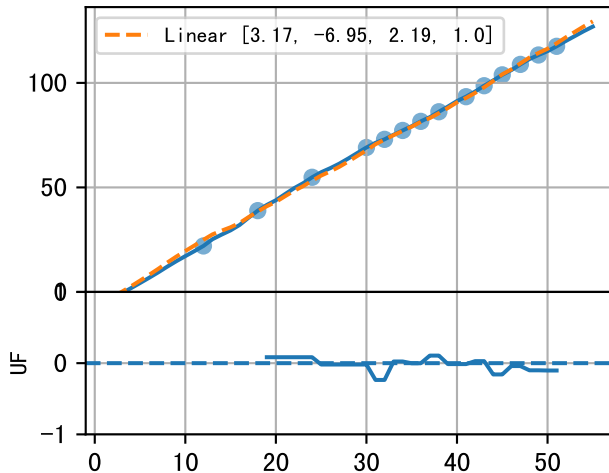


P3-6-038-21



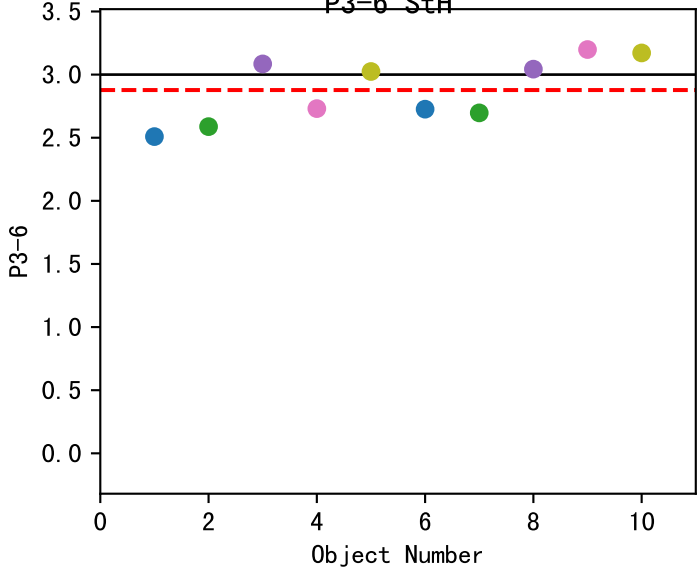
P3-6-042-4

StH



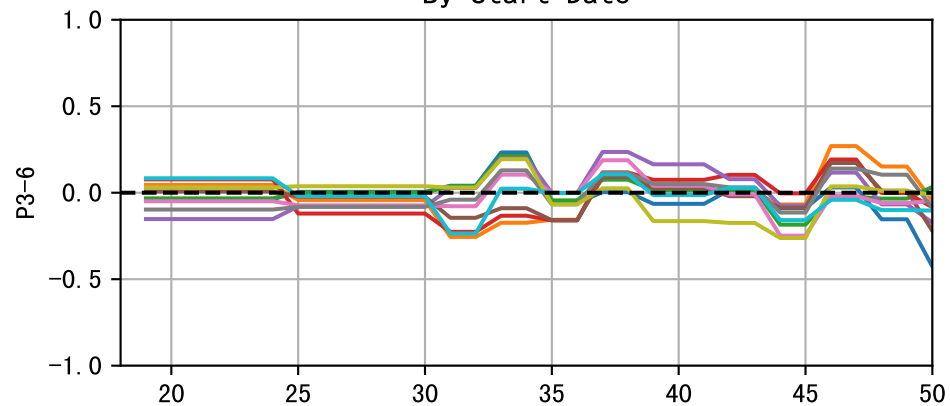
a (Def=3 Set=2.88)
avg1=2.88~9% avg2=na

P3-6 StH

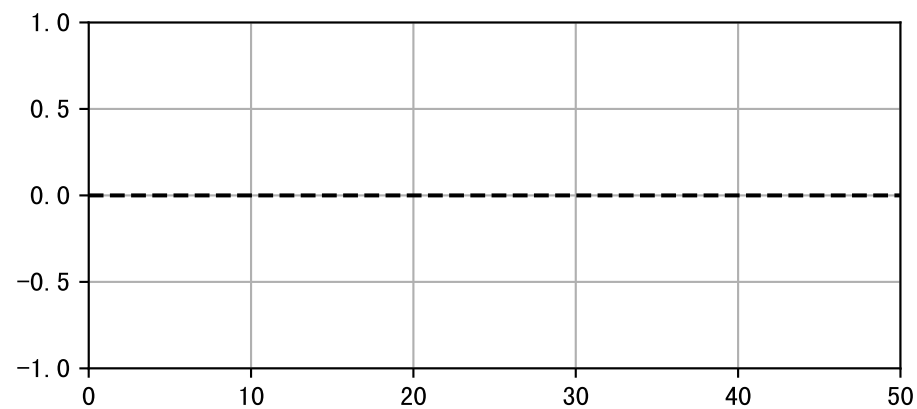
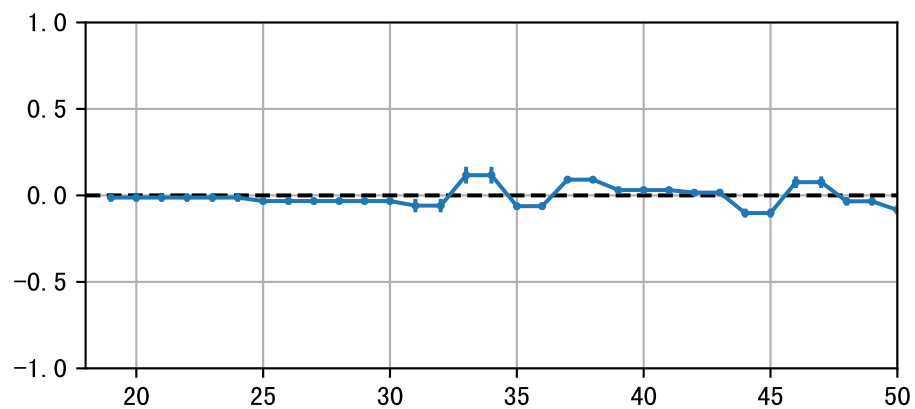
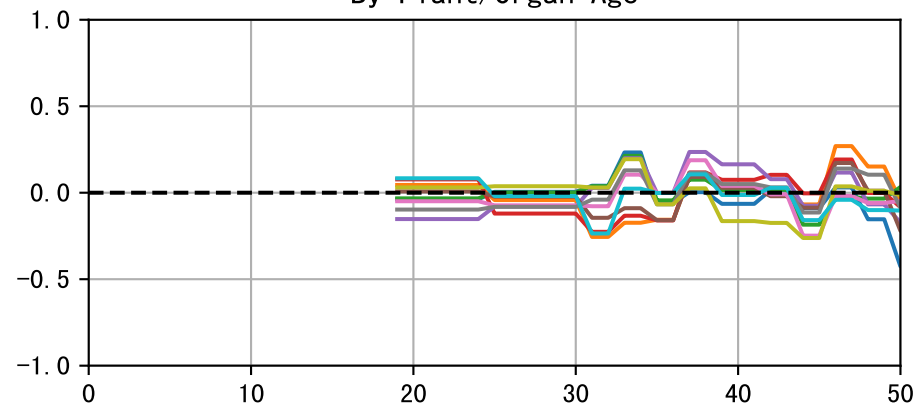


StH

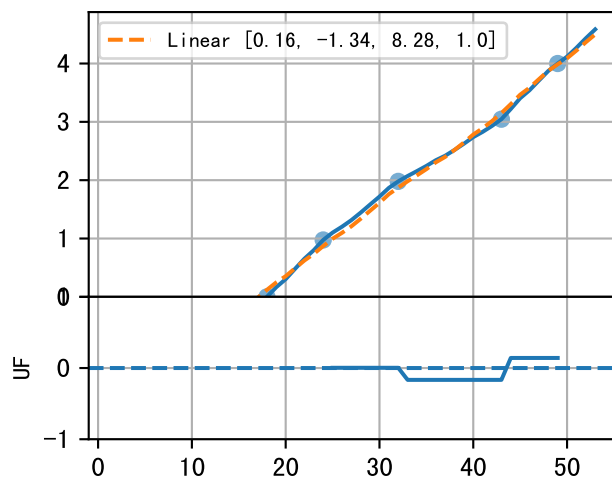
By Start Date



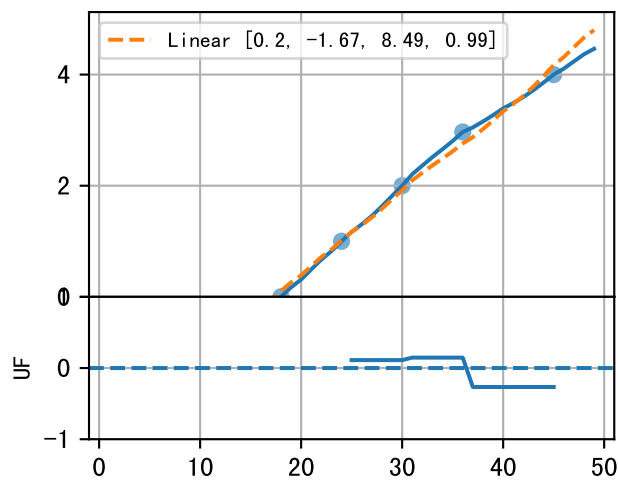
By Plant/Organ Age



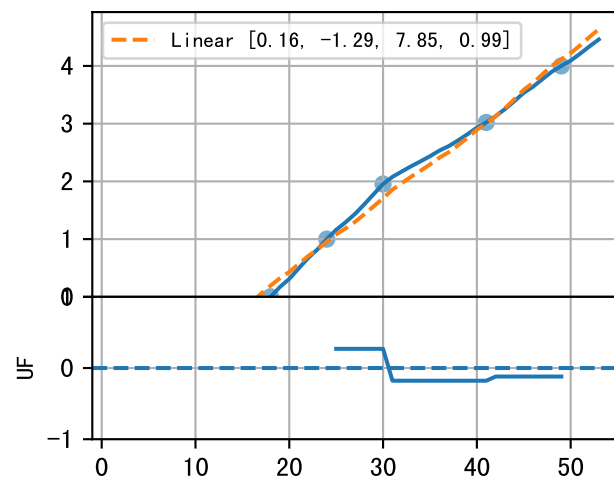
P3-6-003-24



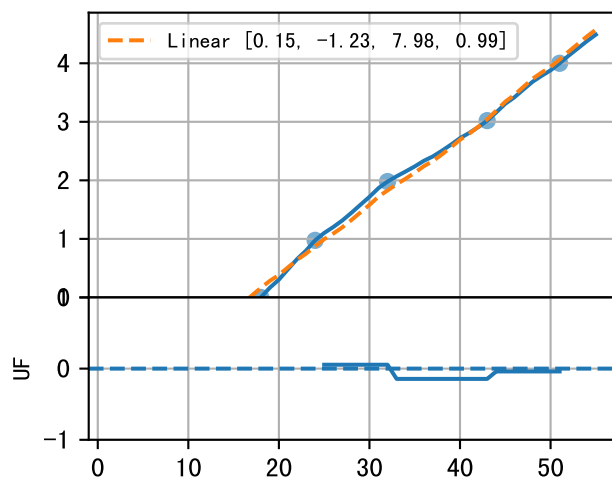
P3-6-007-11



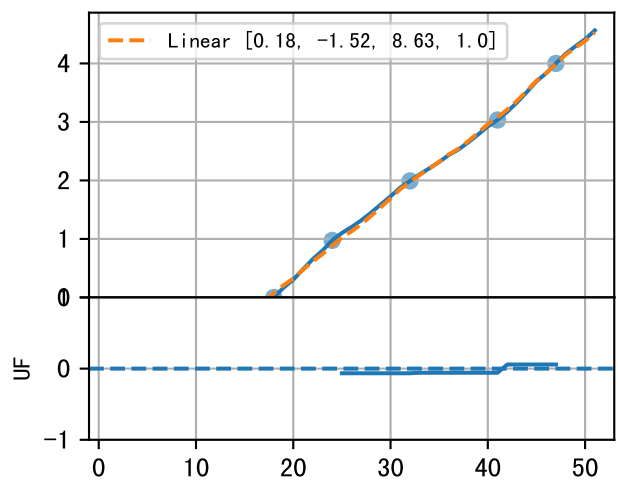
P3-6-011-7



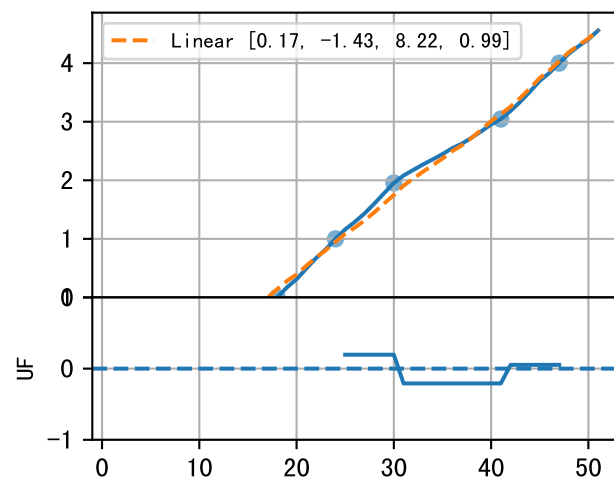
P3-6-015-30



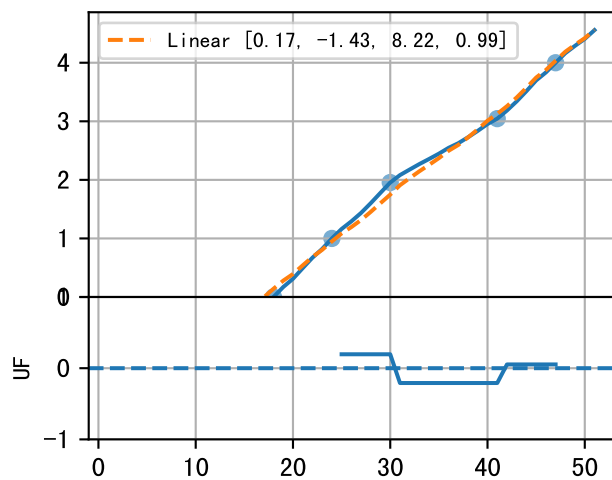
P3-6-019-12



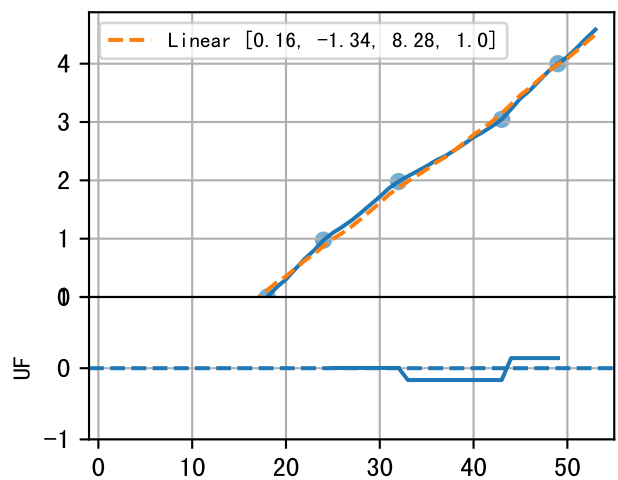
P3-6-024-25



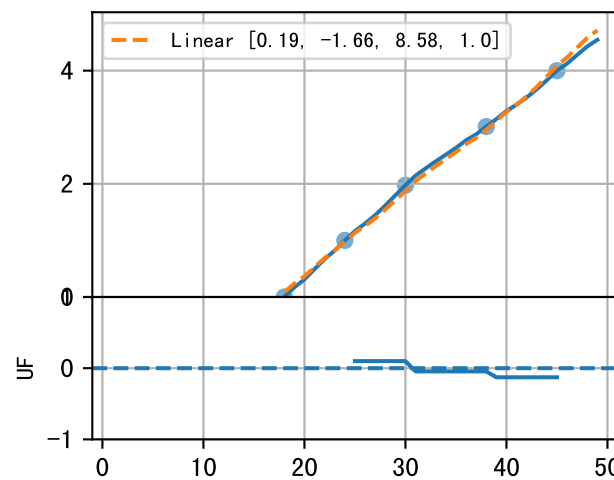
P3-6-028-32



P3-6-033-9

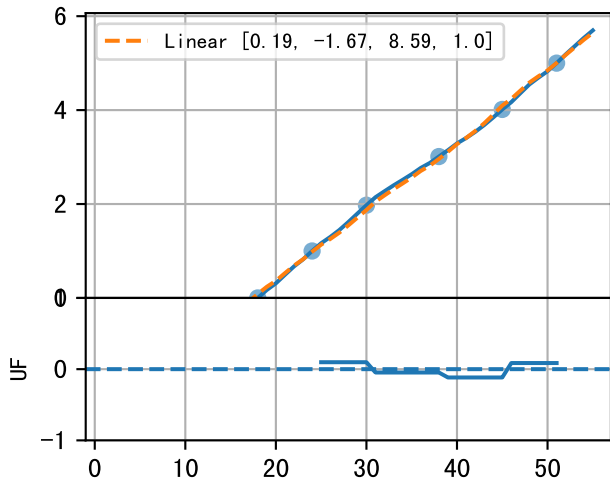


P3-6-038-21



P3-6-042-4

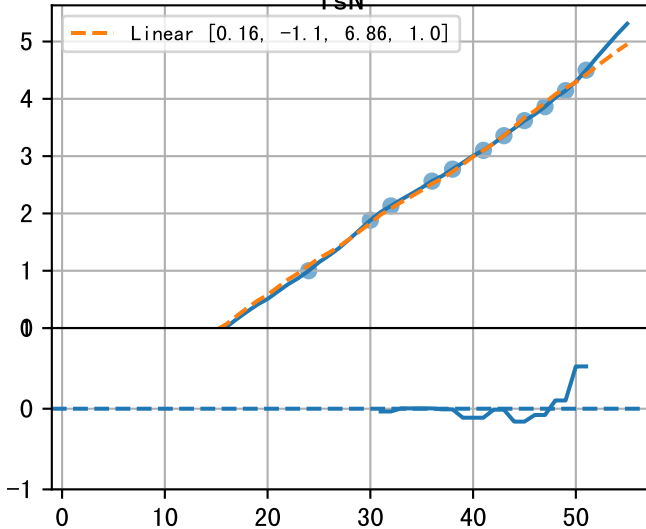
TsN



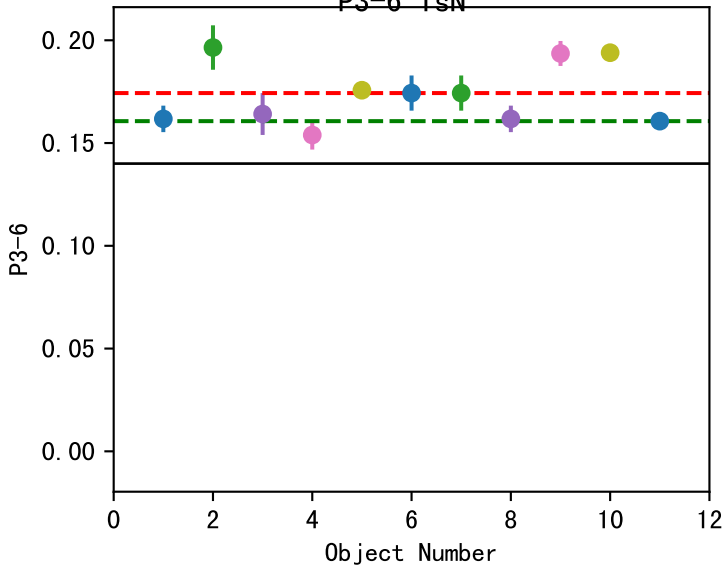
P3-6avg
T_{SN}

Linear [0.16, -1.1, 6.86, 1.0]

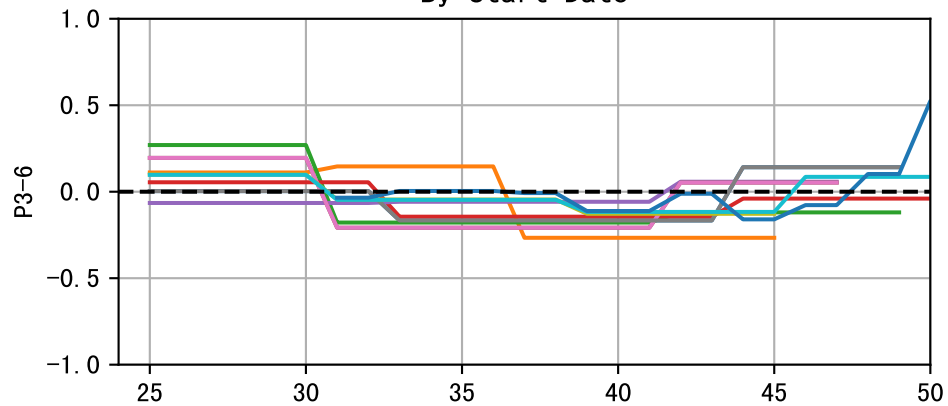
UF



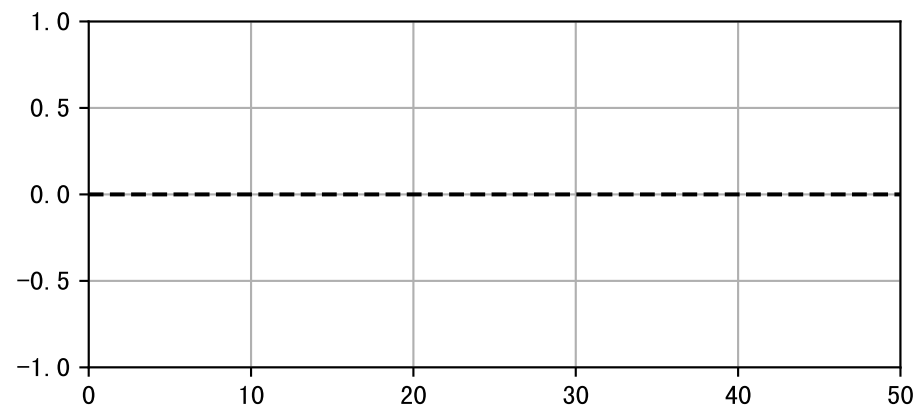
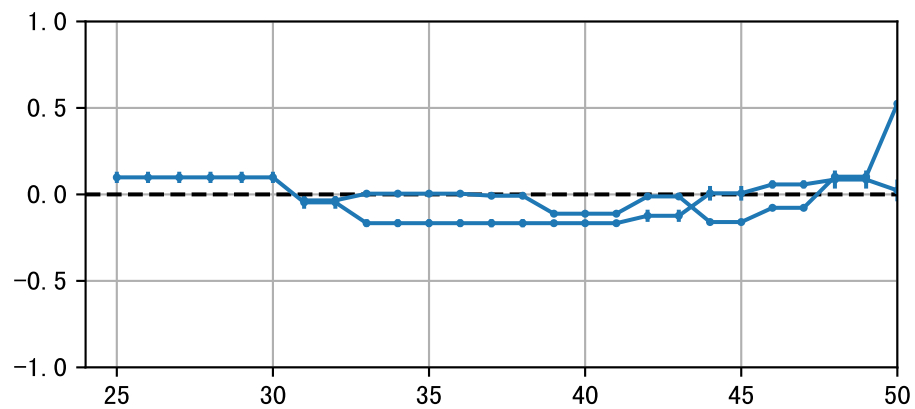
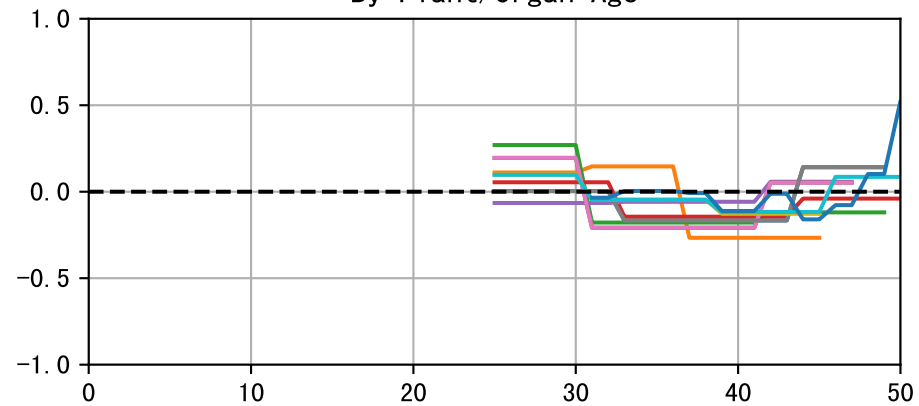
a (Def=0.14 Set=0.16)
 avg1=0.17 $\sim$ 9% avg2=0.16 $\sim$ 5%
 P3-6 ISN



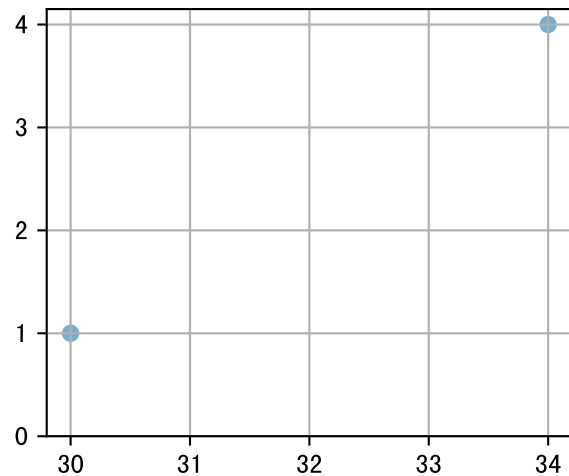
By Start Date



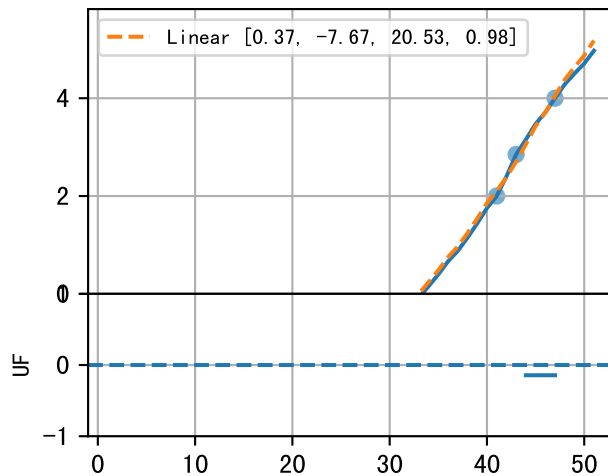
By Plant/Organ Age



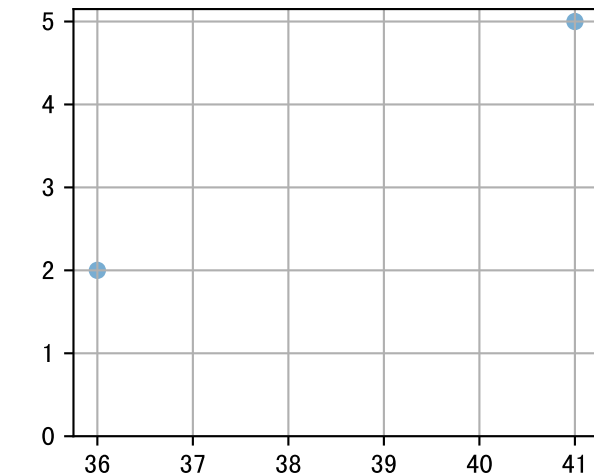
P3-6-003-24T1 (fit failed)



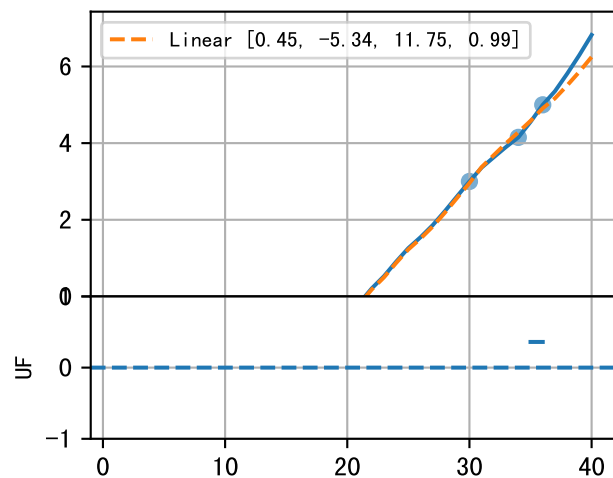
P3-6-003-24T2



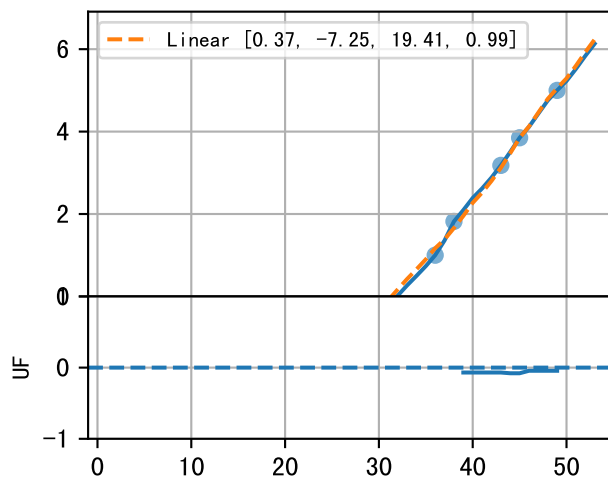
P3-6-007-11T2 (fit failed)



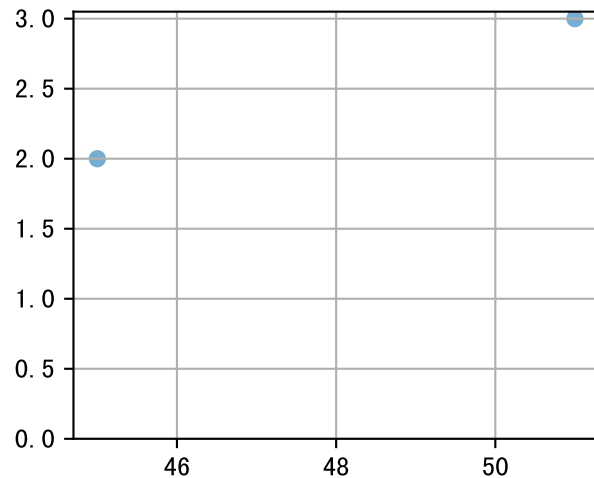
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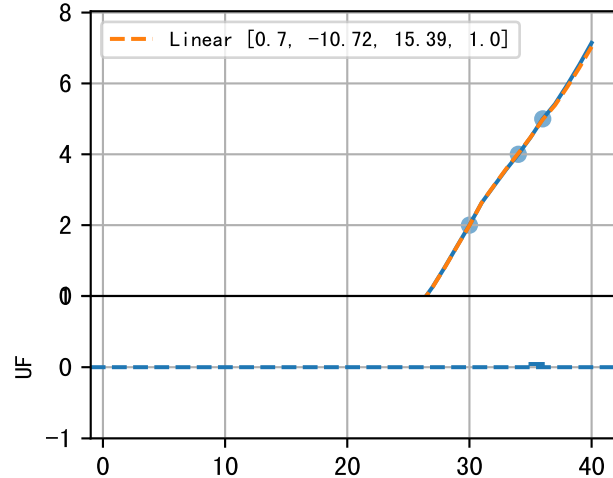
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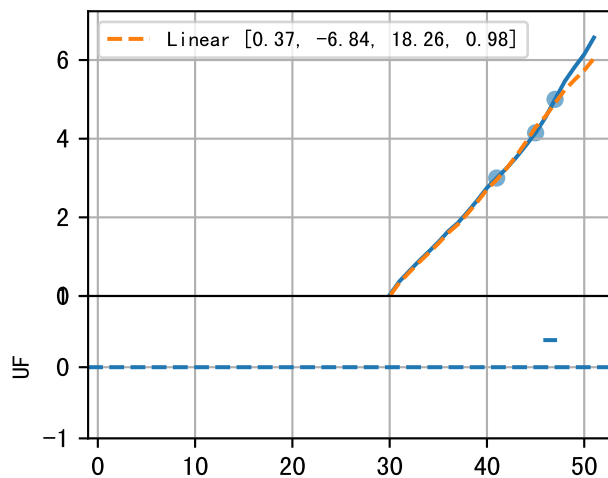
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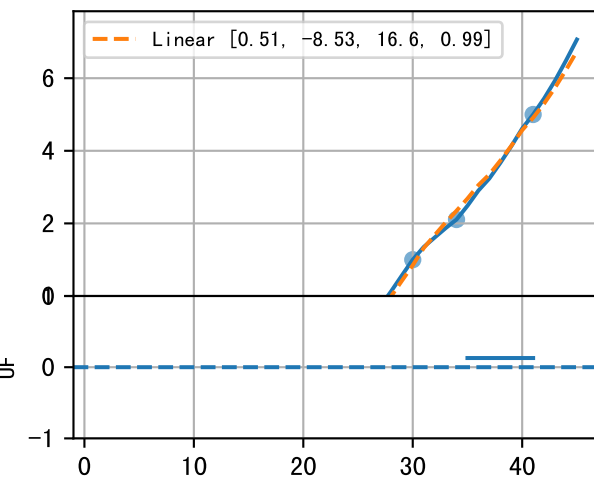
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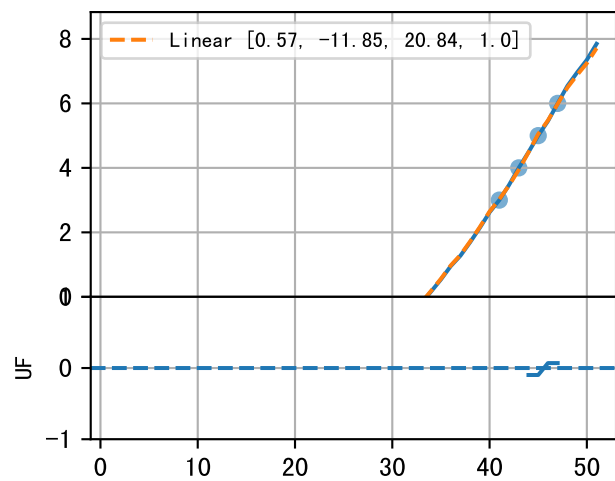
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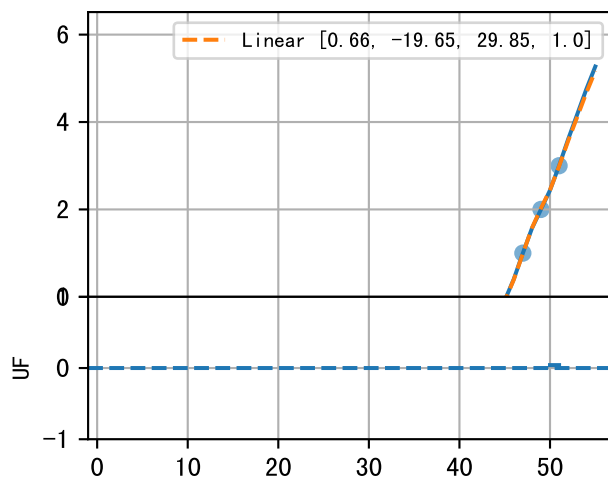
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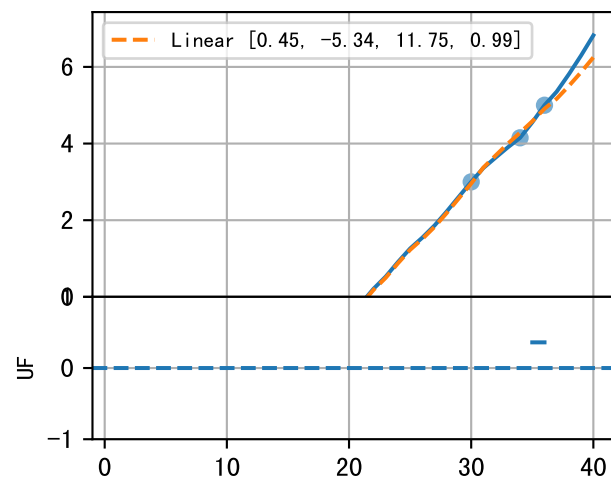
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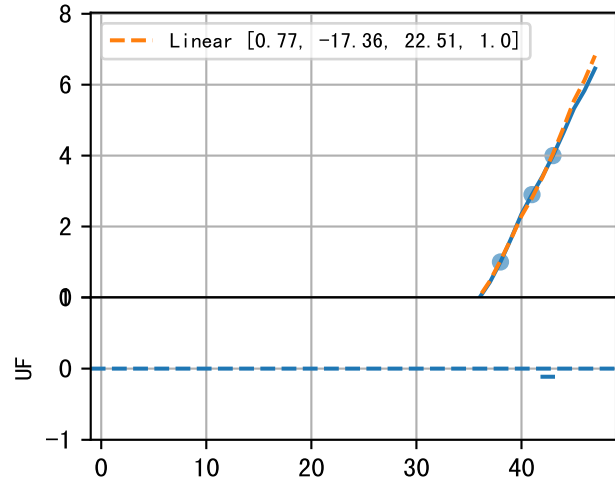
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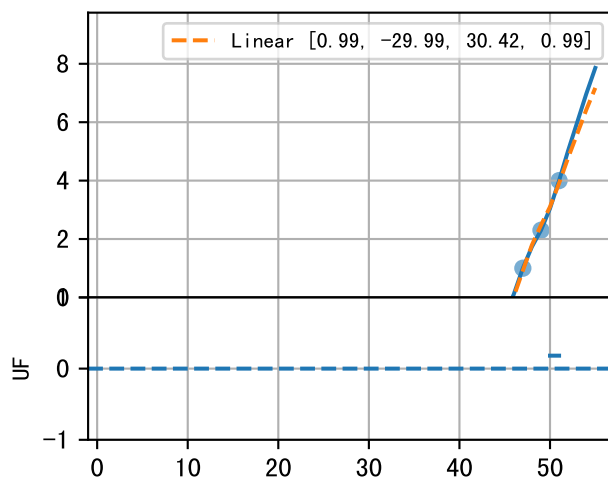
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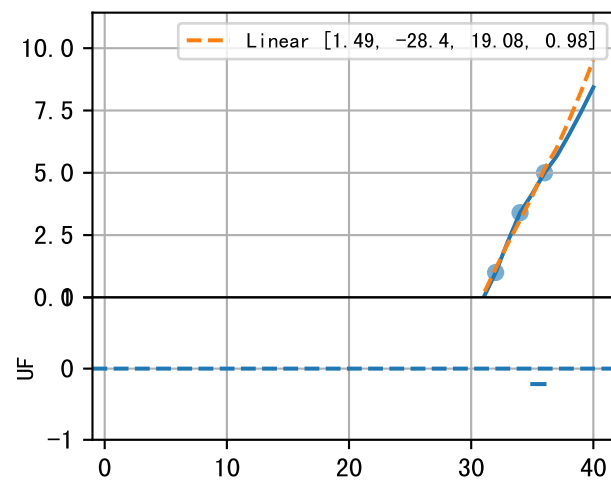
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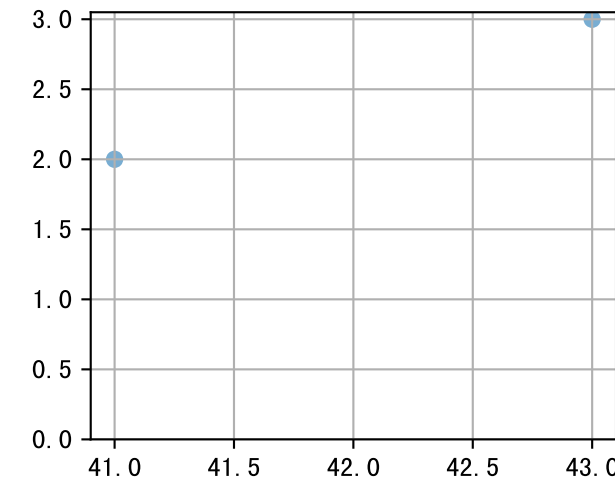
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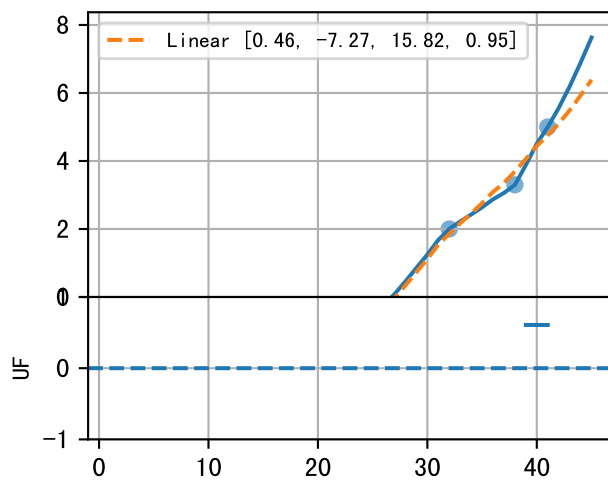
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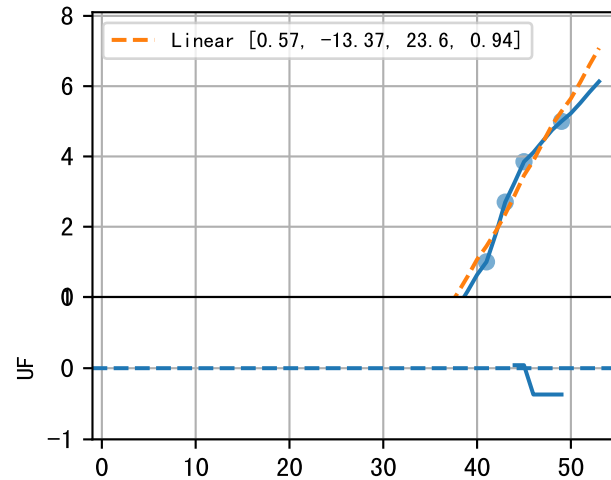
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P3-6-033-9T1

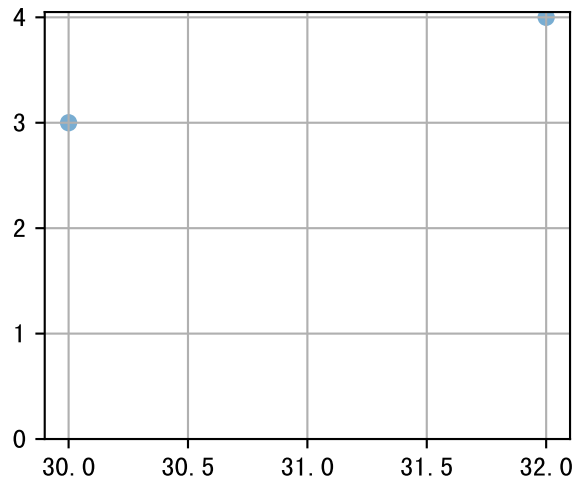


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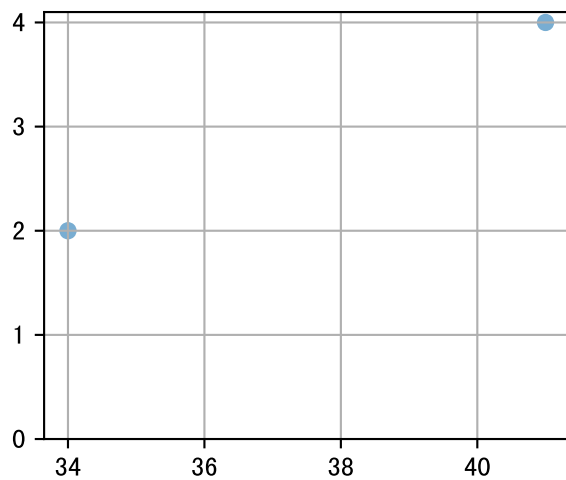


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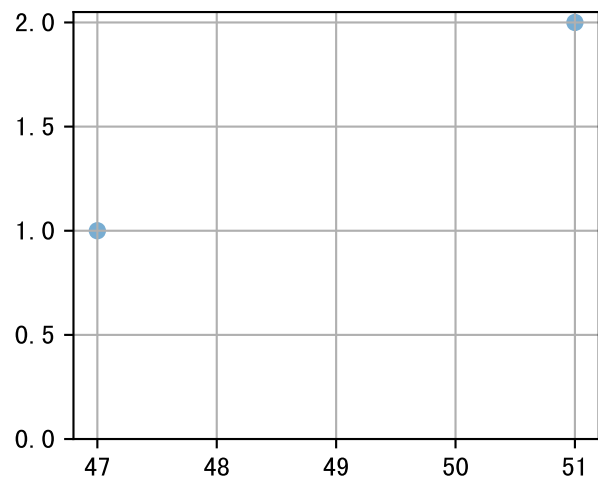
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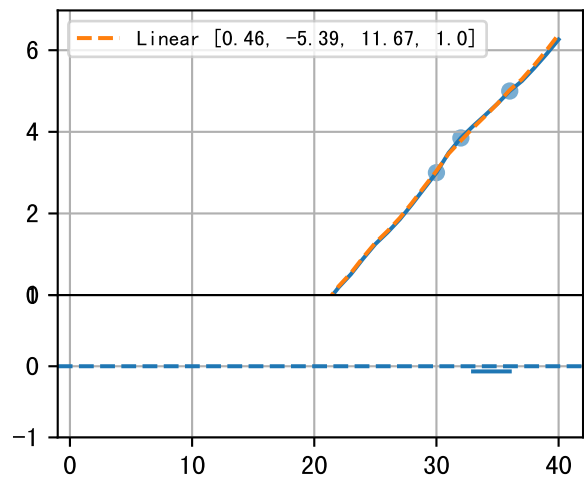
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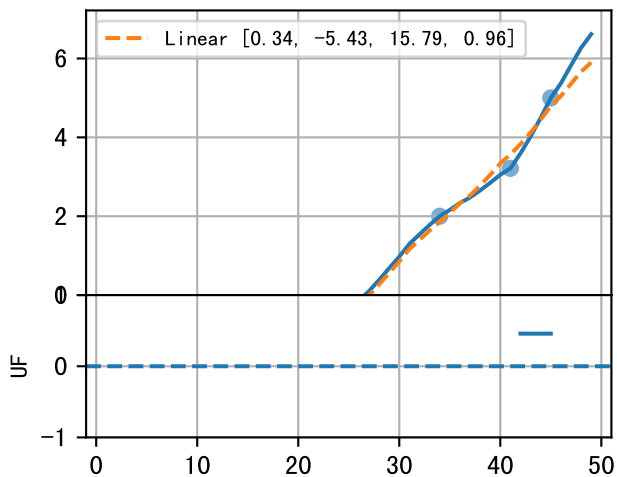
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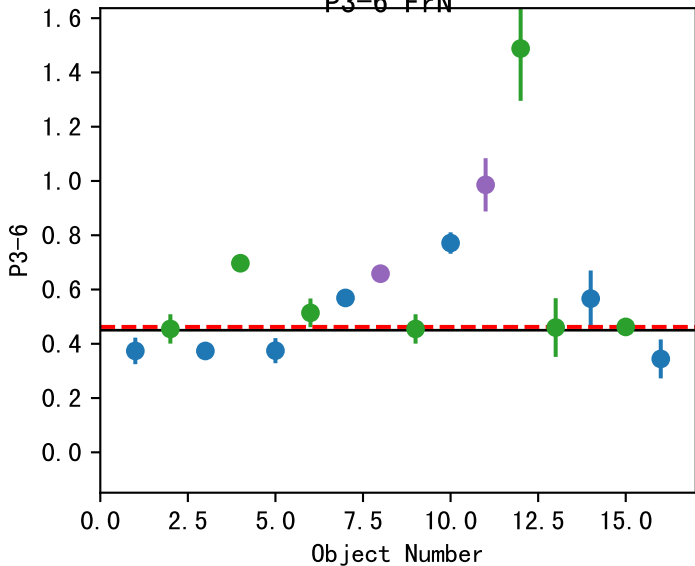
P3-6-042-4T1



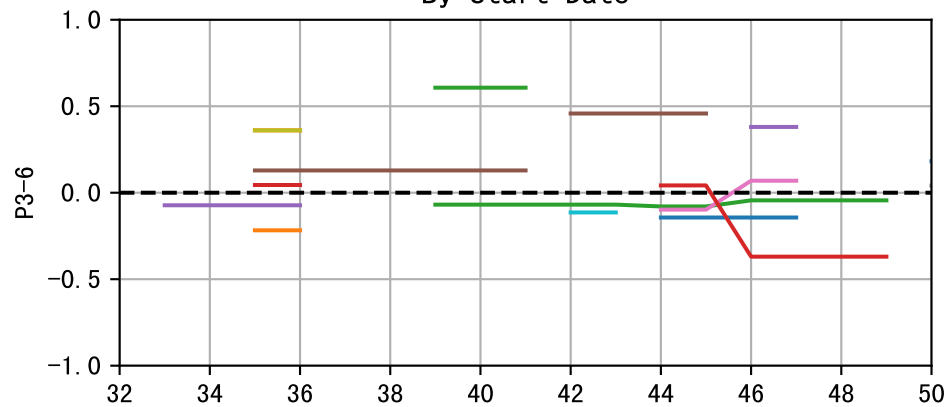
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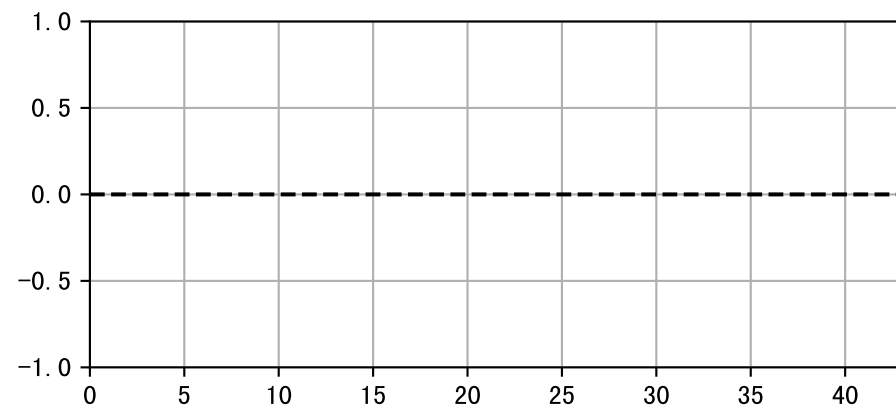
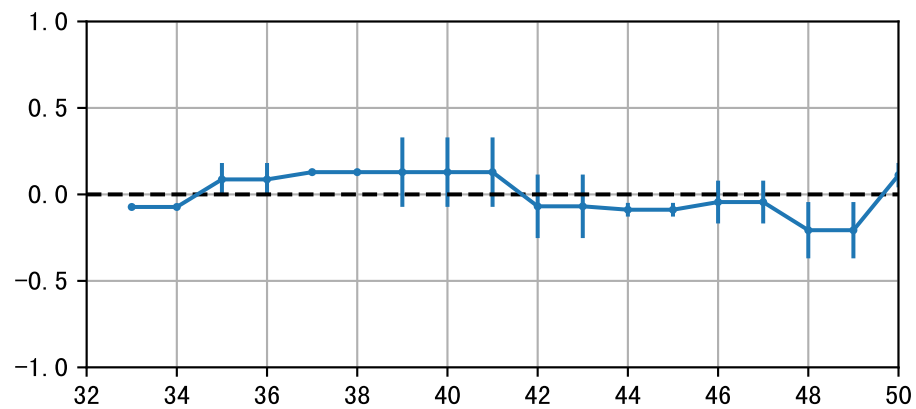
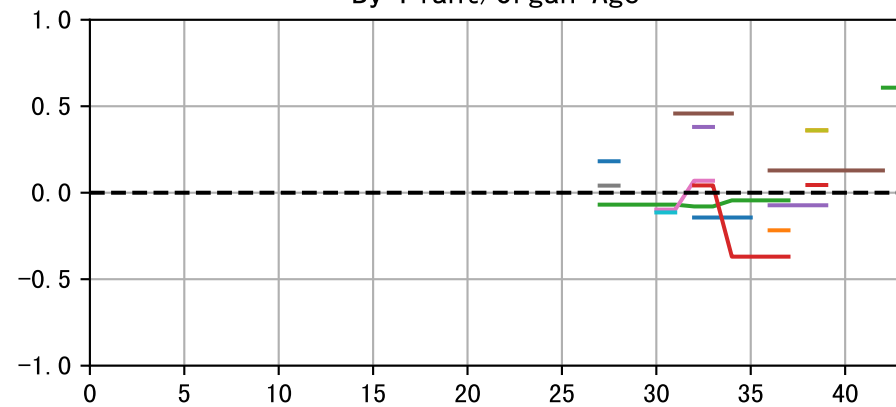
a (Def=0.45 Set=0.46)
avg1=0.46~38% avg2=na
P3-6 FrN



By Start Date

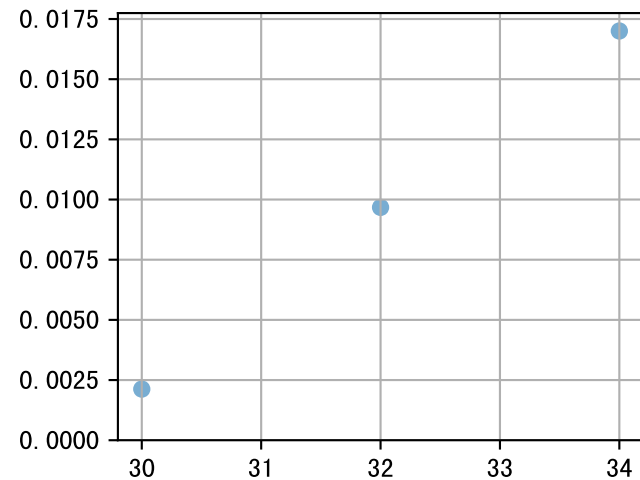


By Plant/Organ Age

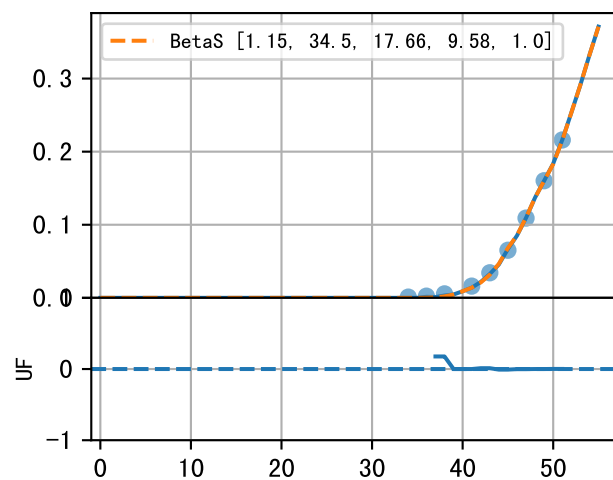


FrV

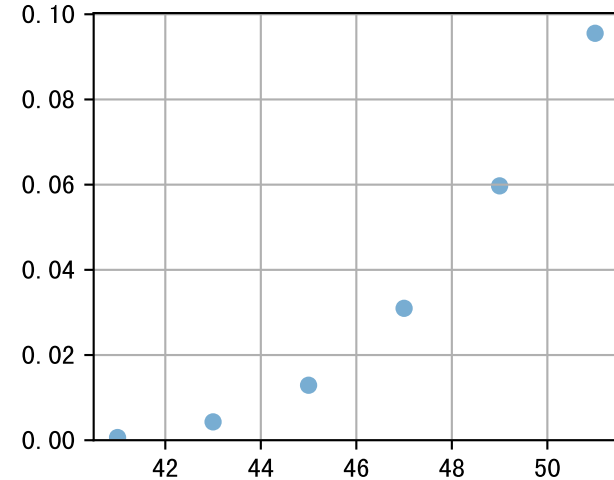
P3-6-003-24T1Fr1 (fit failed)



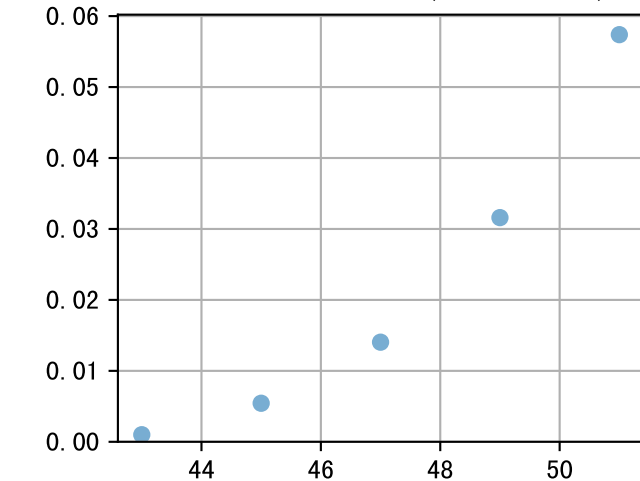
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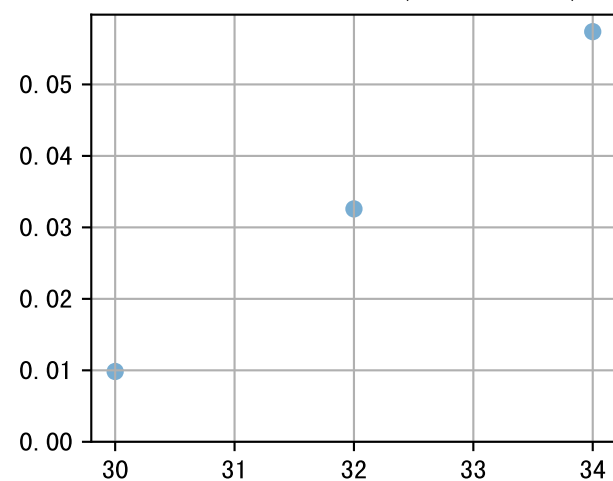
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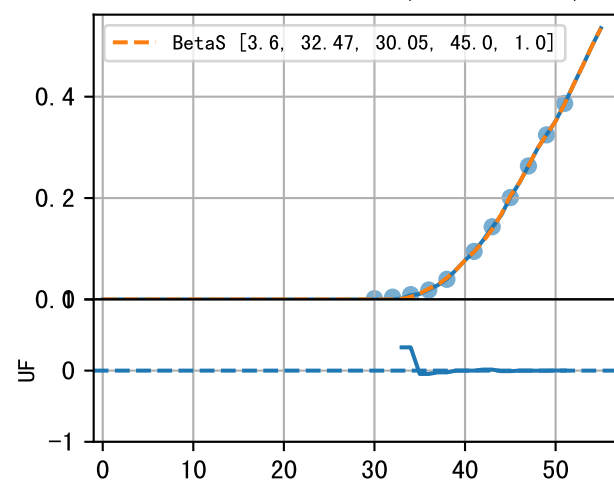
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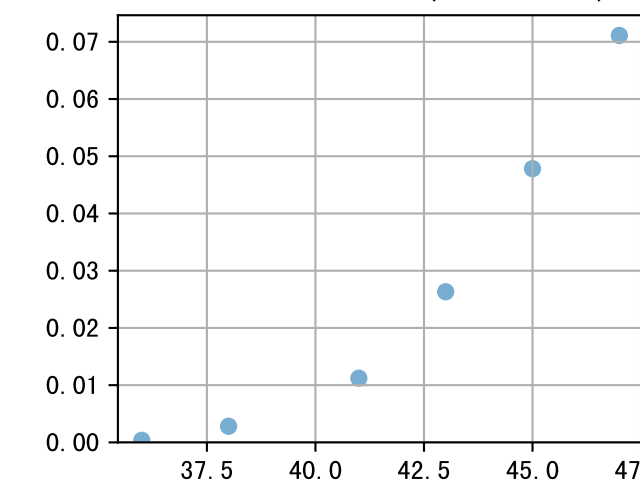
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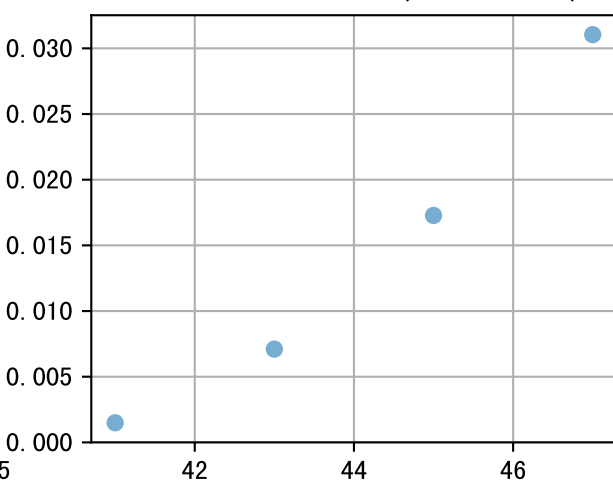
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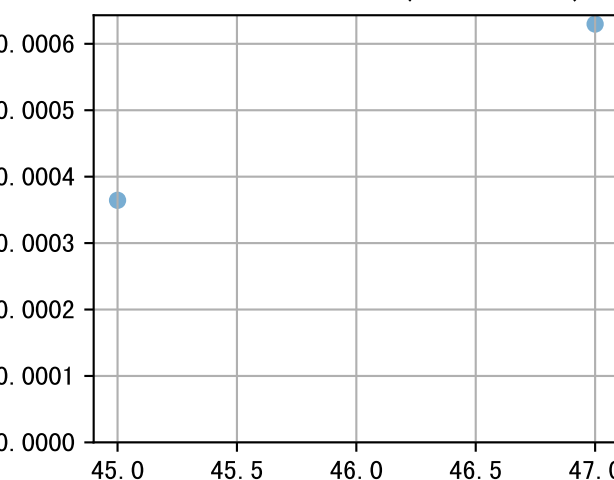
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P3-6-007-11T2Fr5 (fit failed)

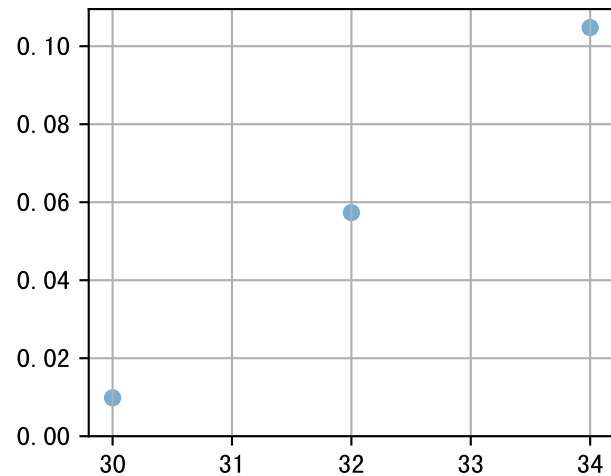


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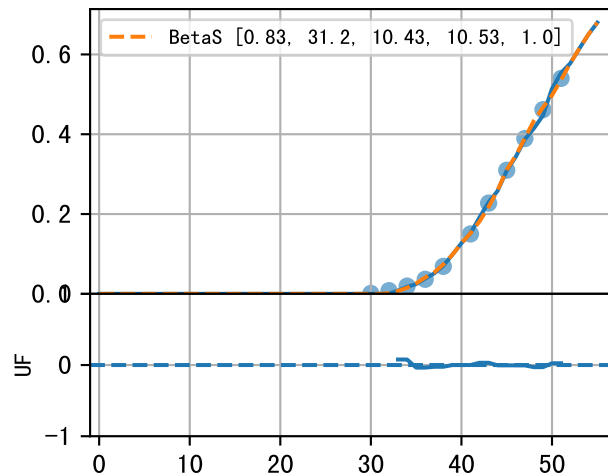


FrV

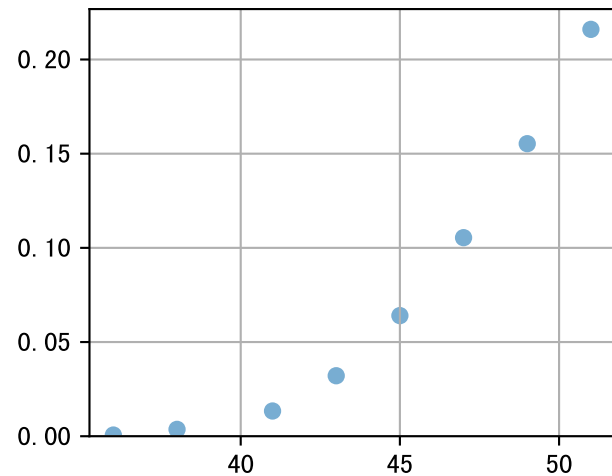
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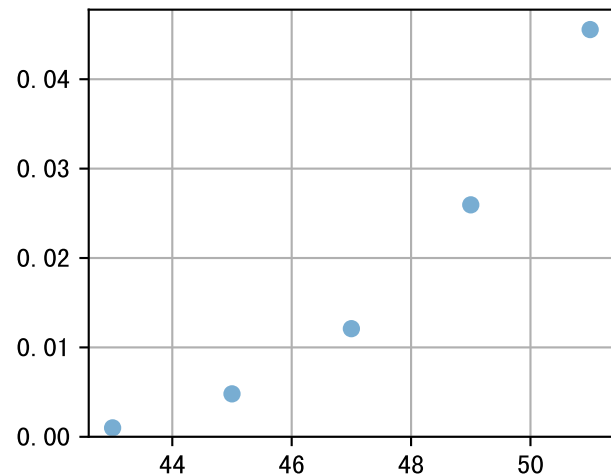
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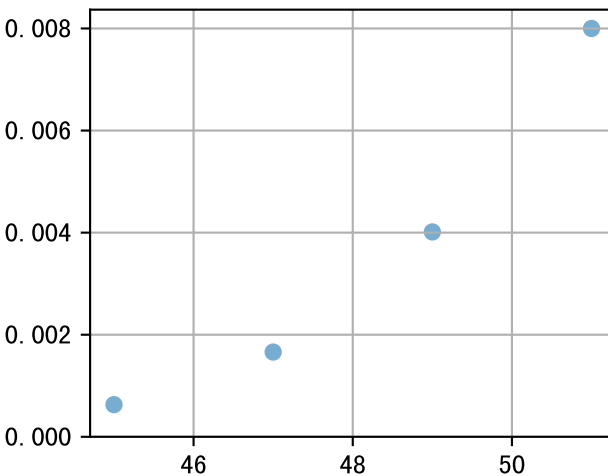
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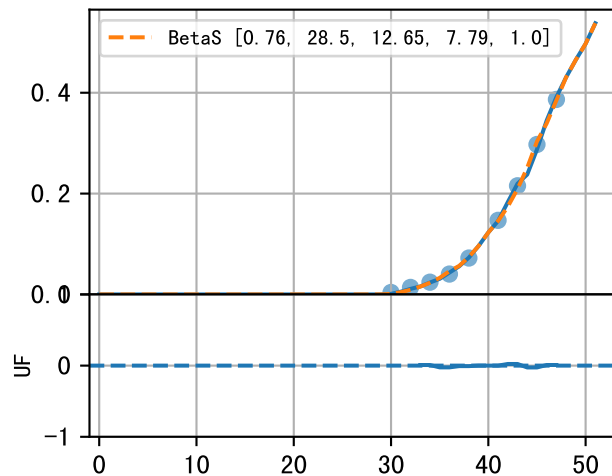
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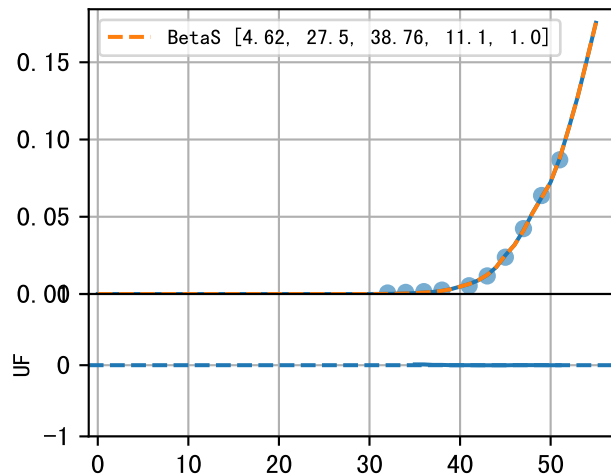
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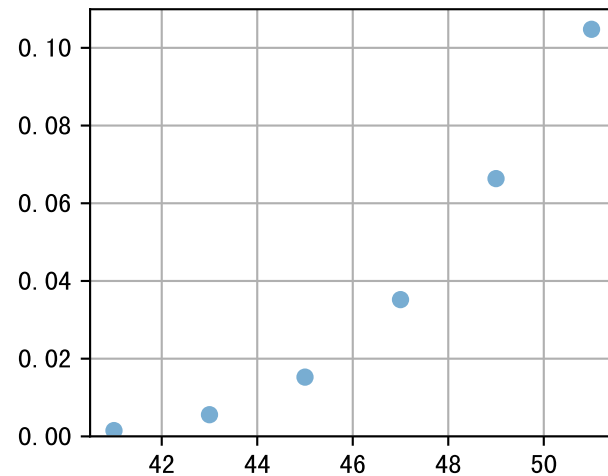
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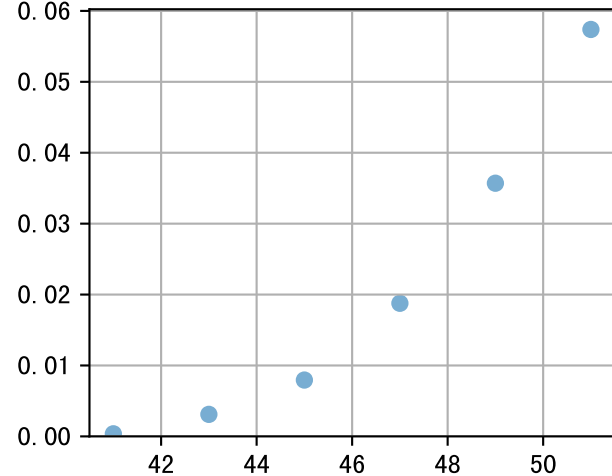
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P3-6-015-30T2Fr1 (fit failed)

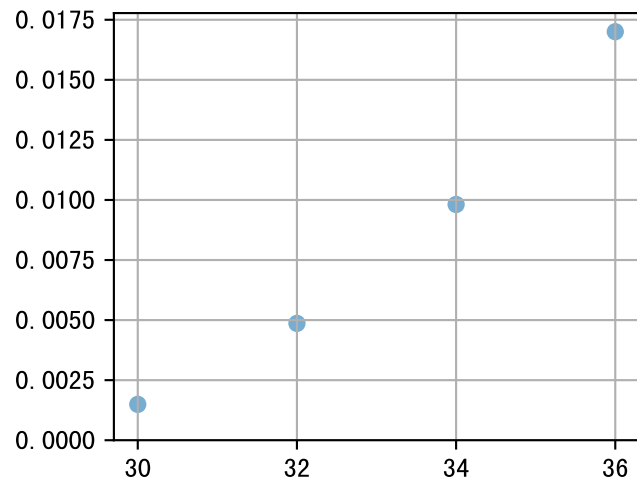


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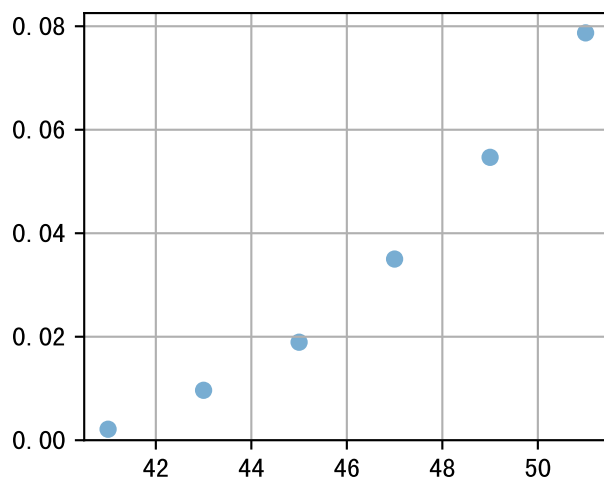


FrV

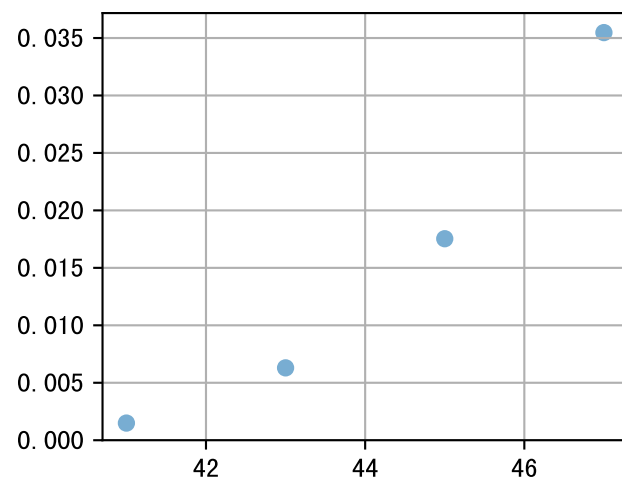
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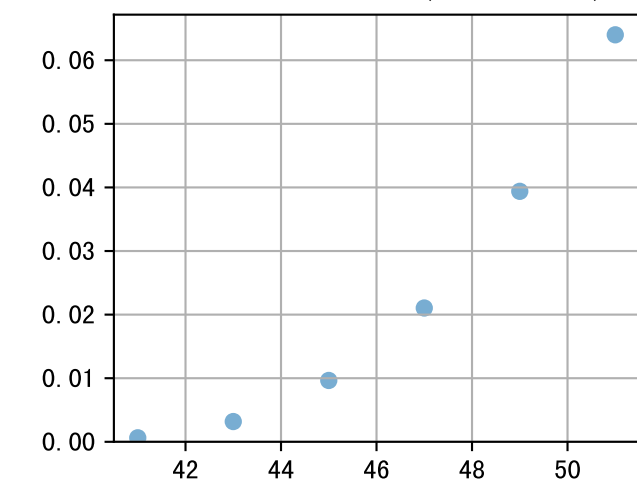
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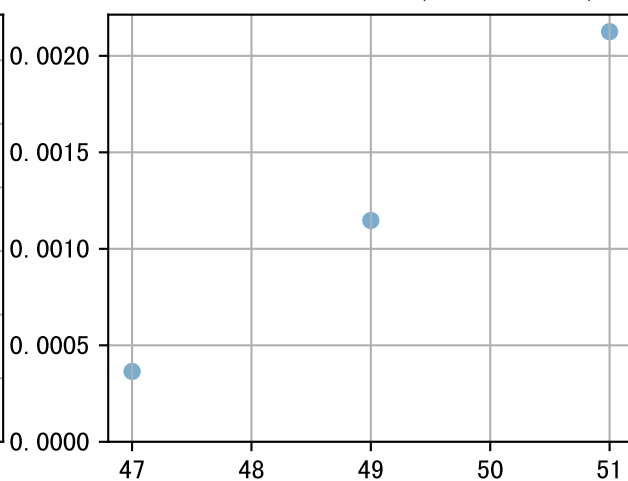
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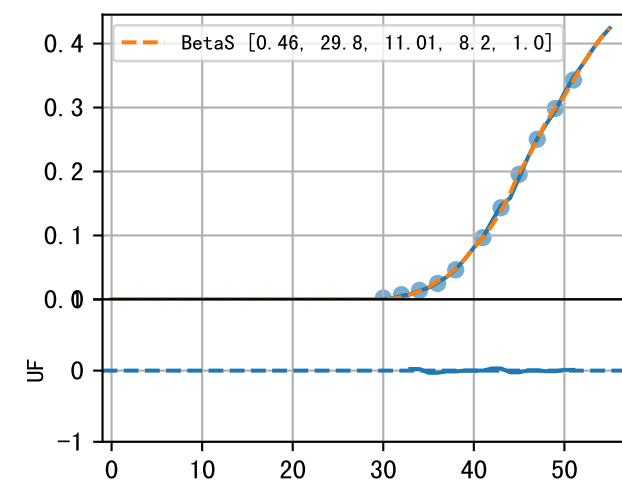
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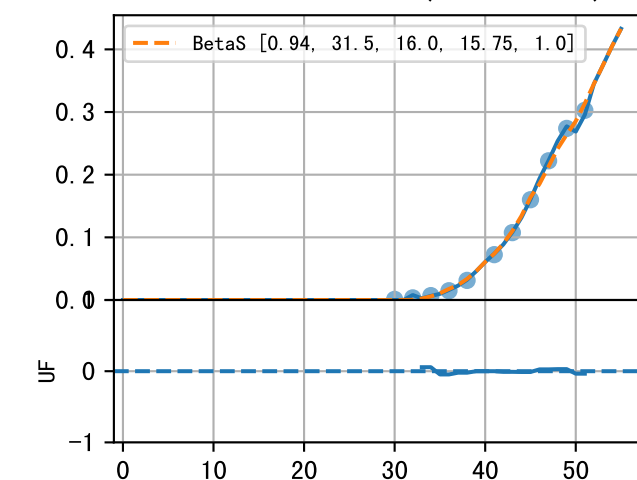
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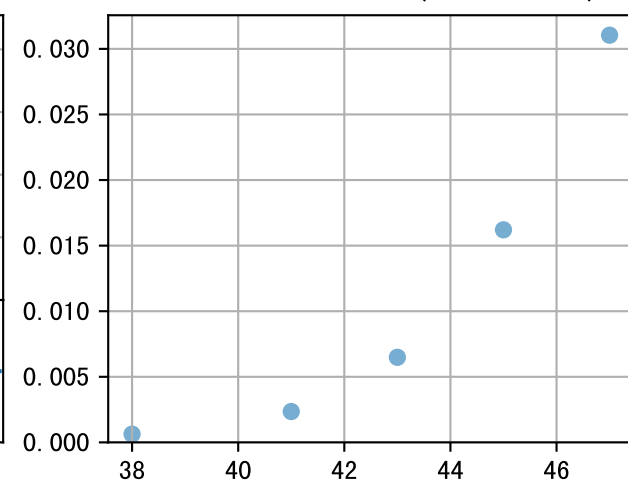
P3-6-024-25T1Fr1



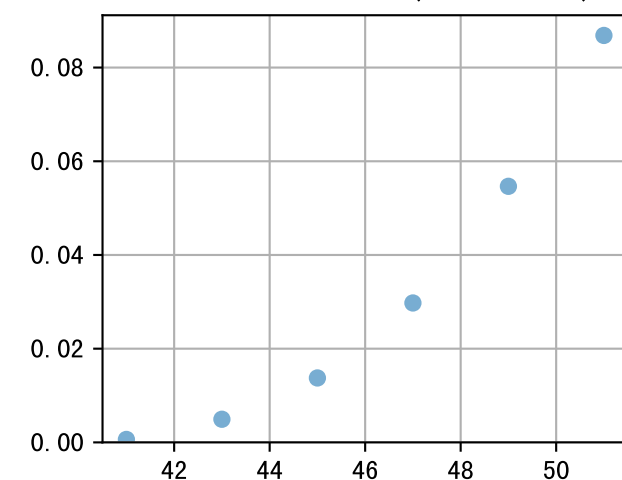
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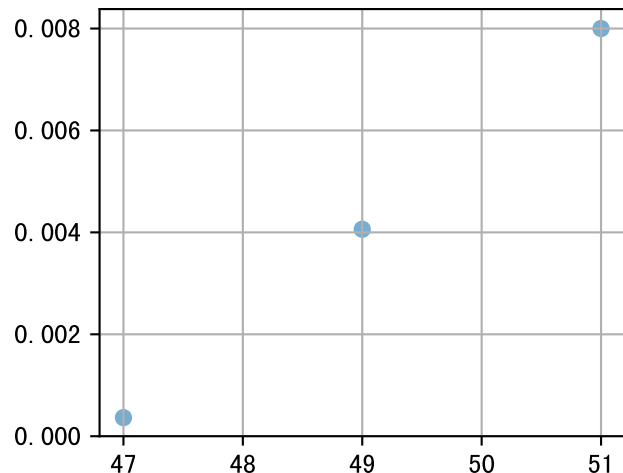


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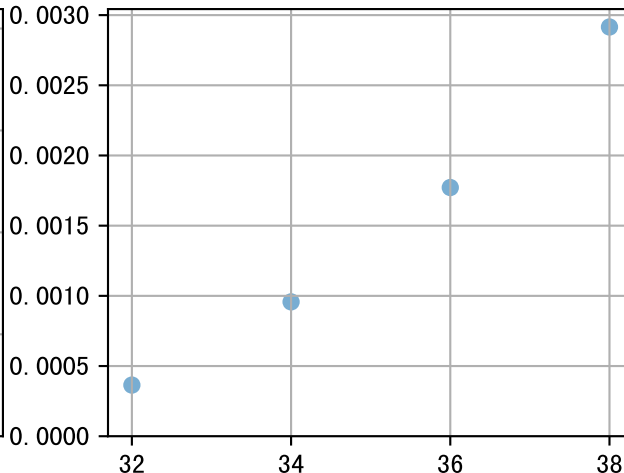


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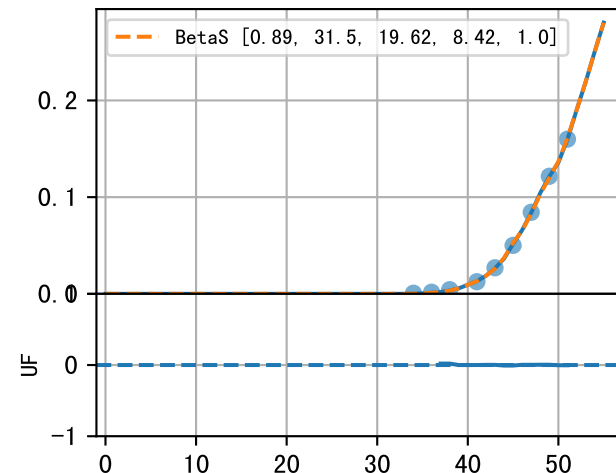
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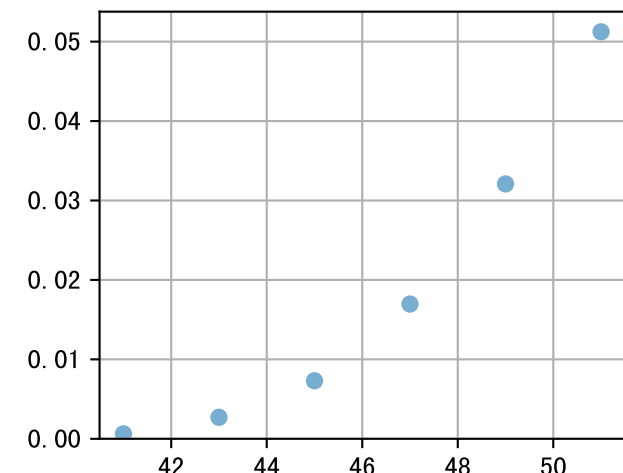
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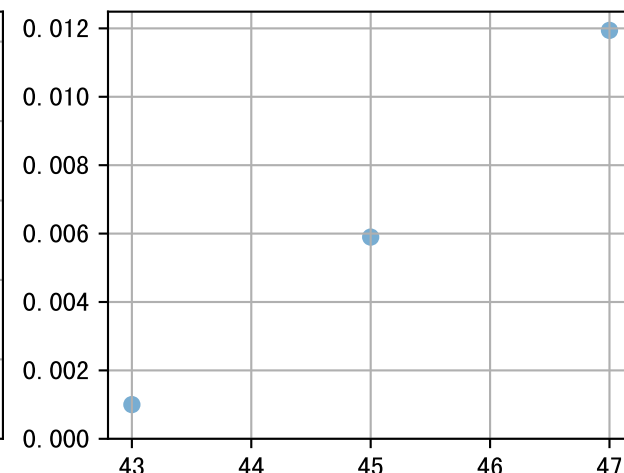
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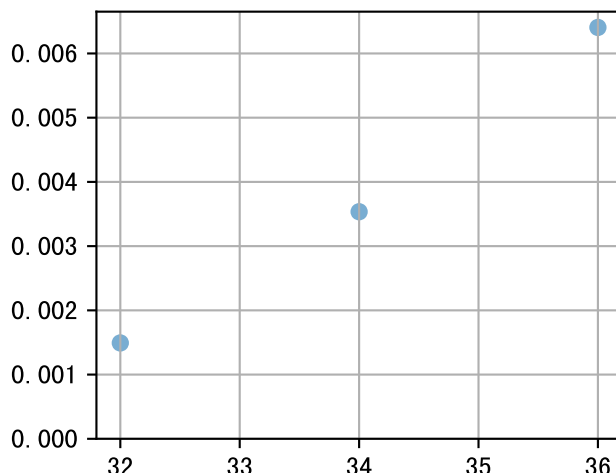
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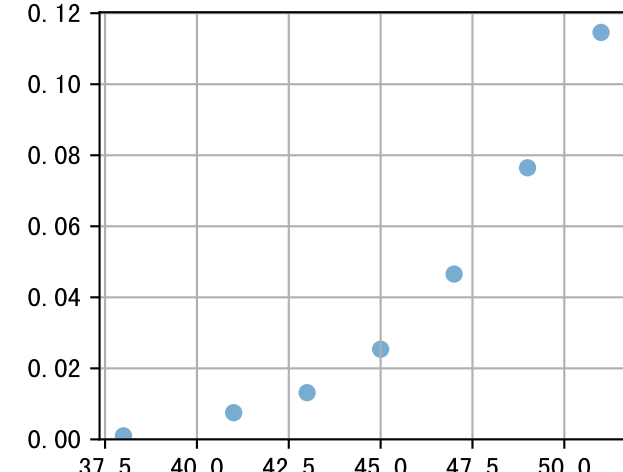
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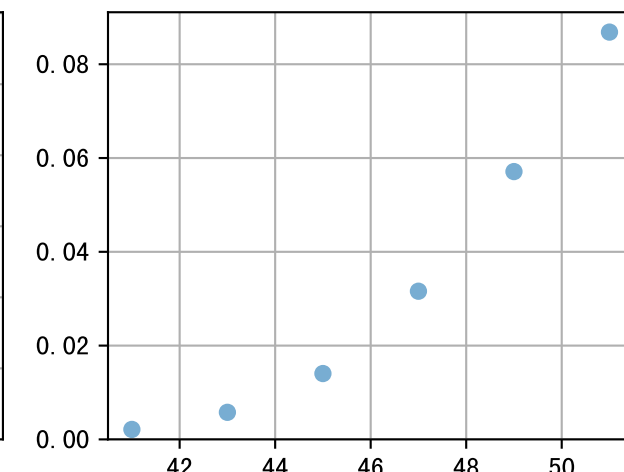
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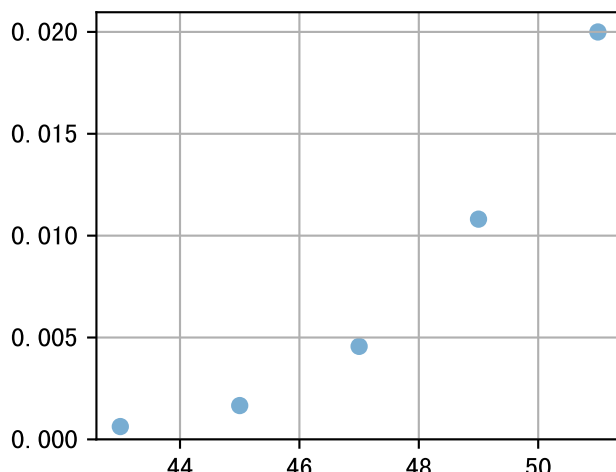
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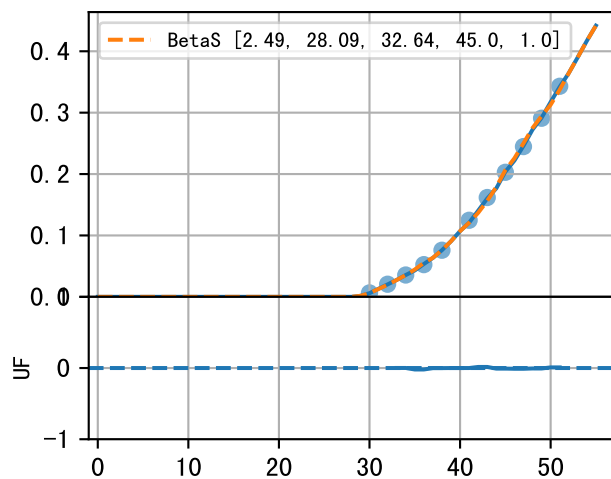


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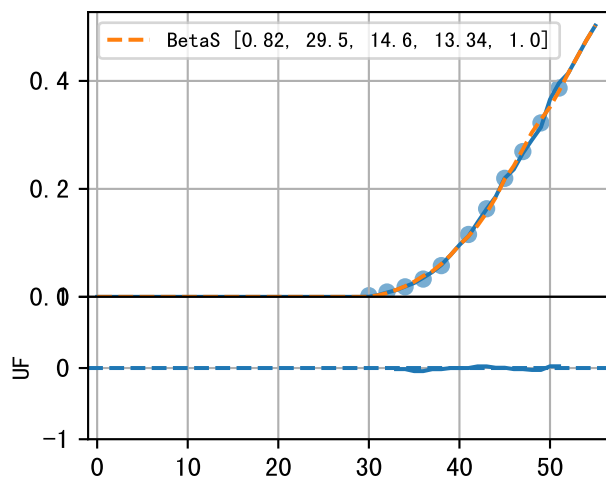


FrV

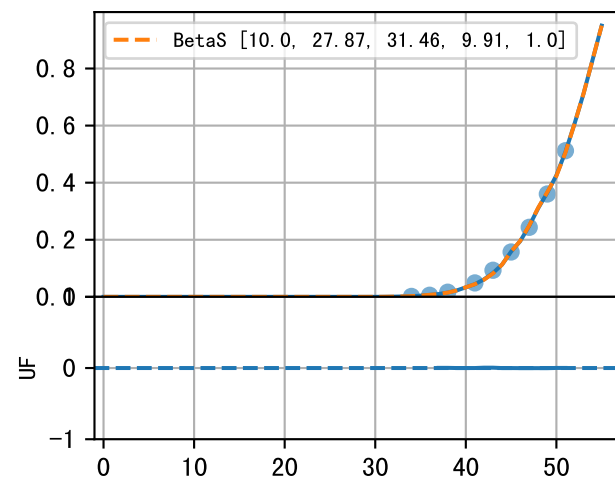
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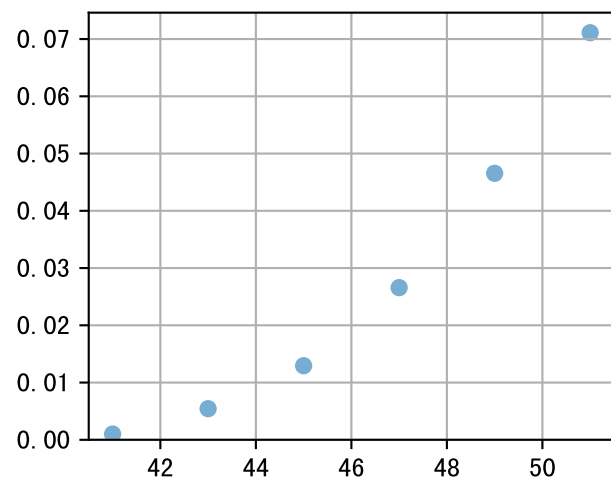
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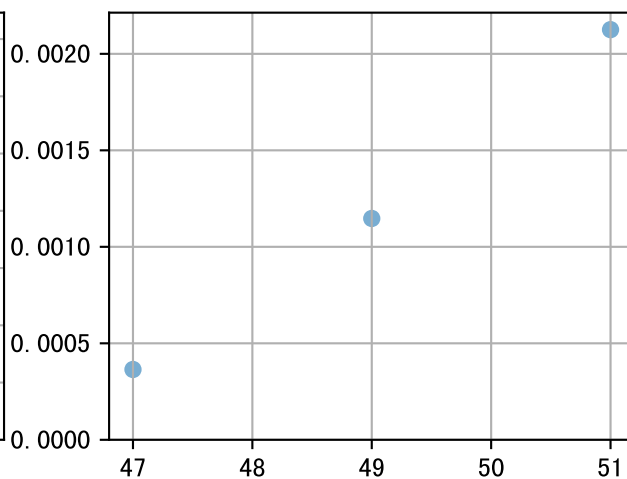
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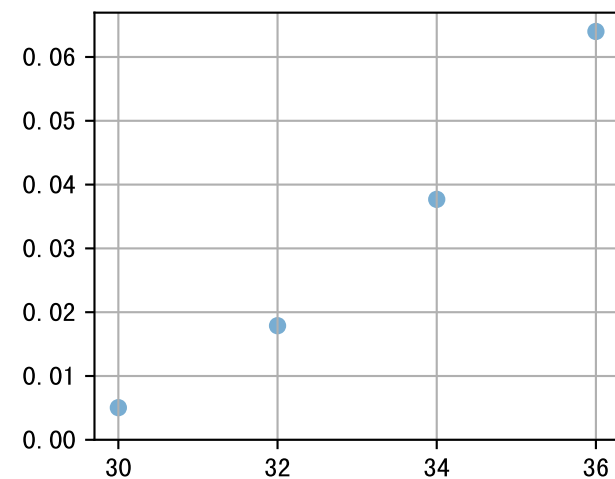
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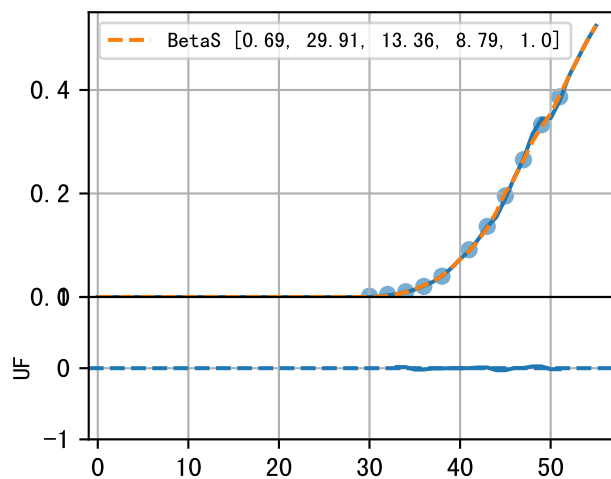
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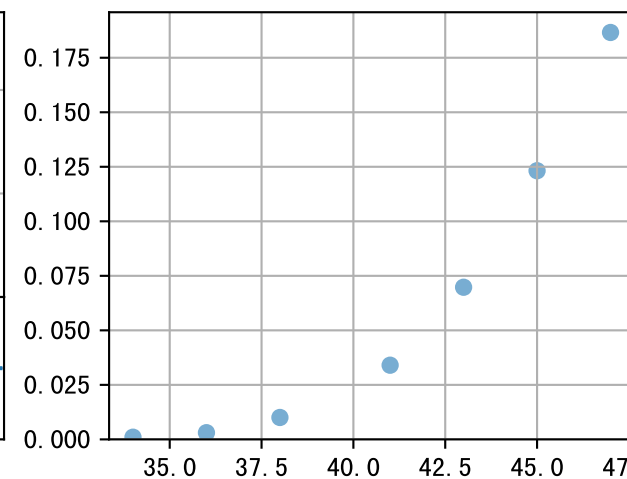
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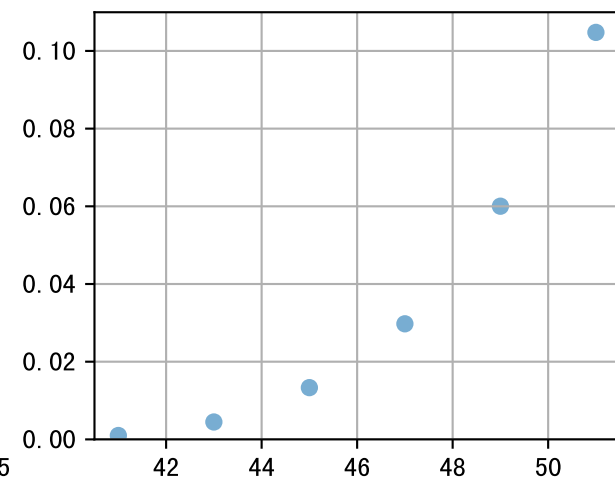
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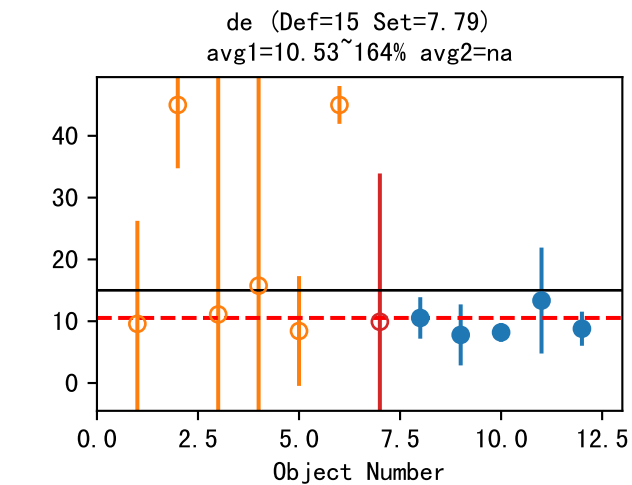
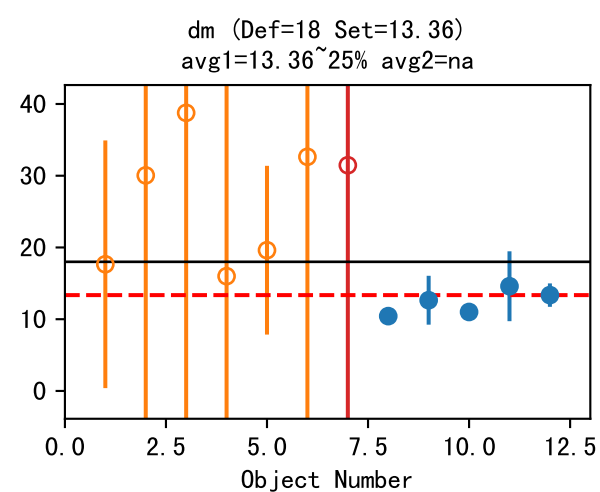
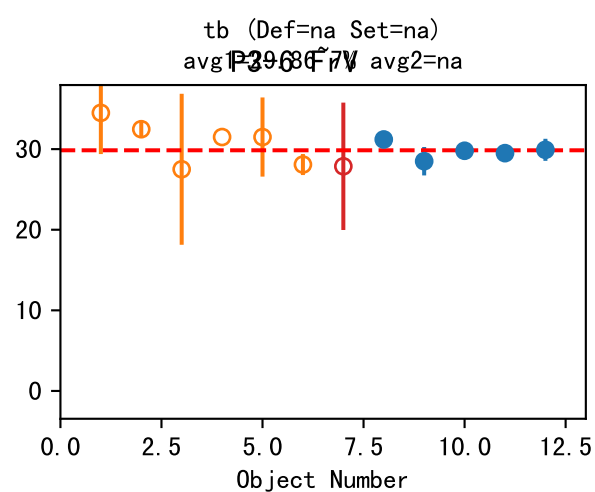
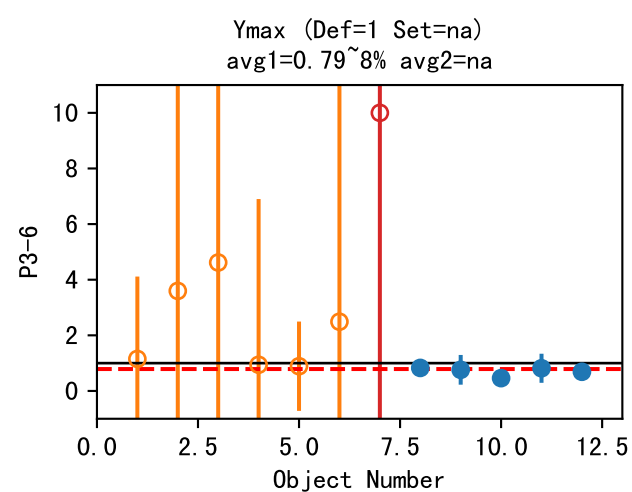


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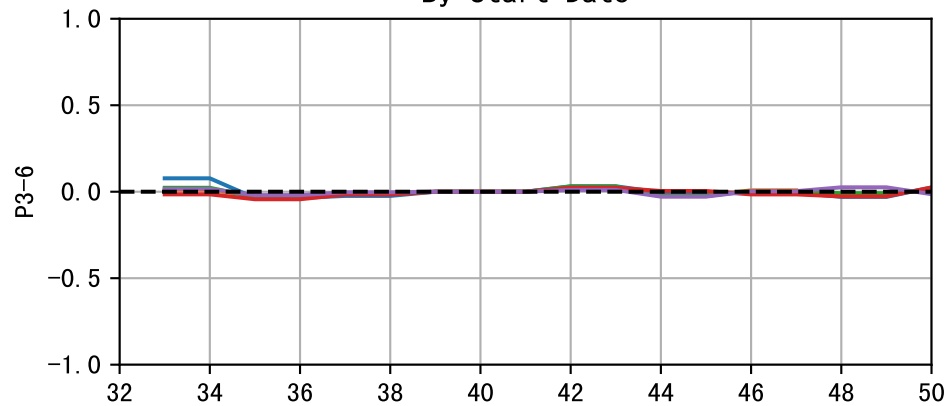


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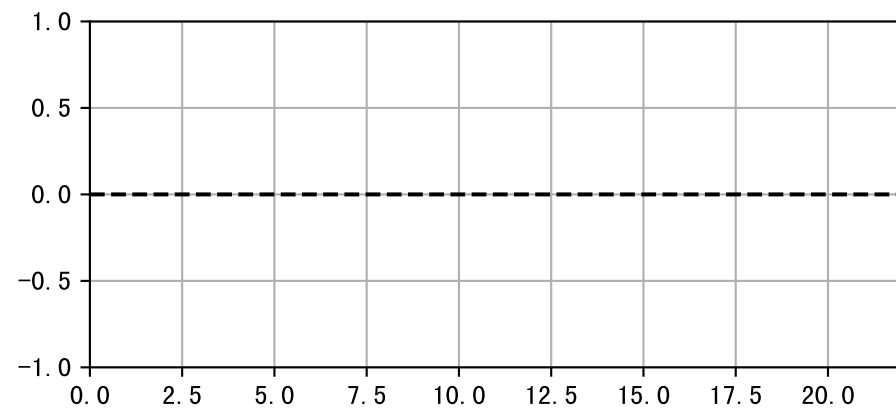
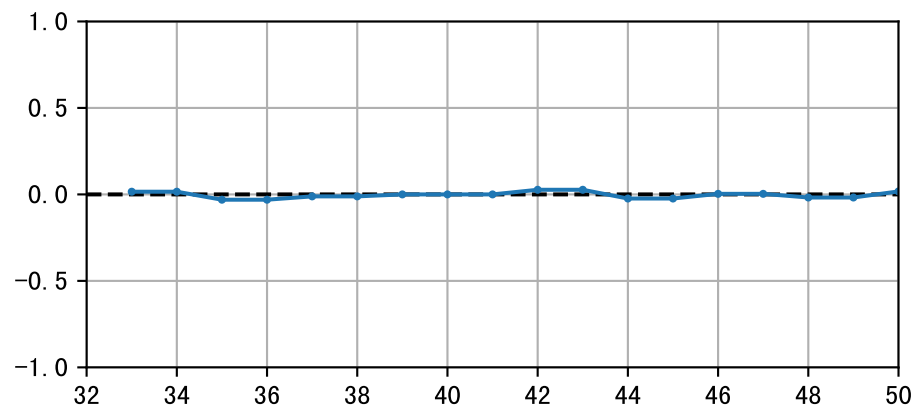
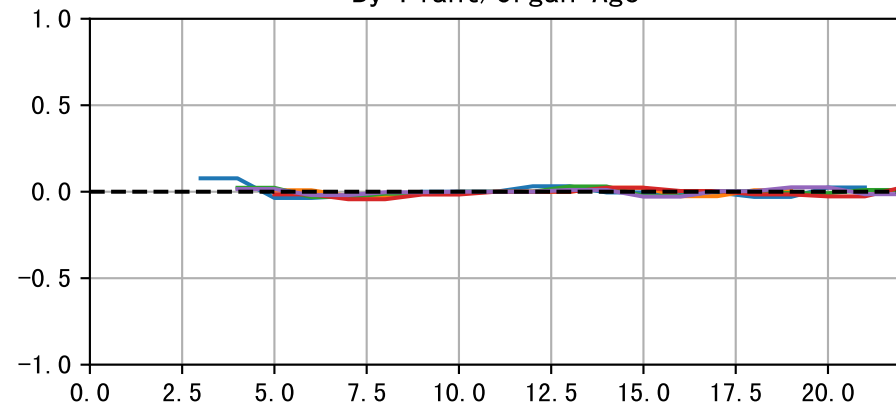




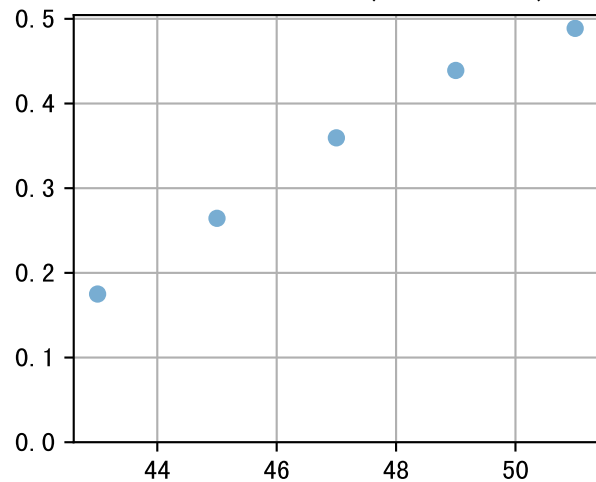
By Start Date



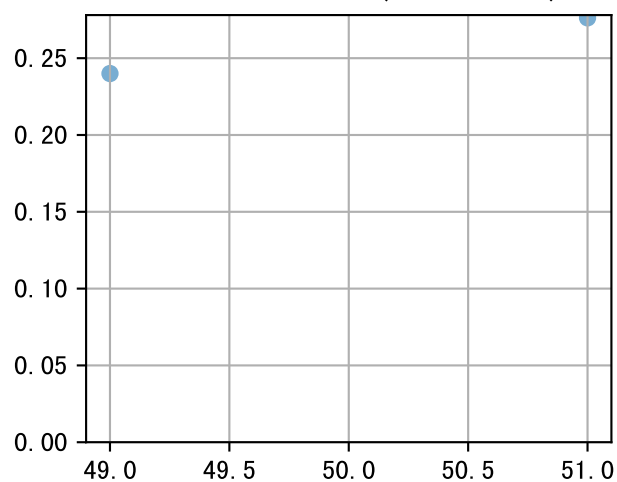
By Plant/Organ Age



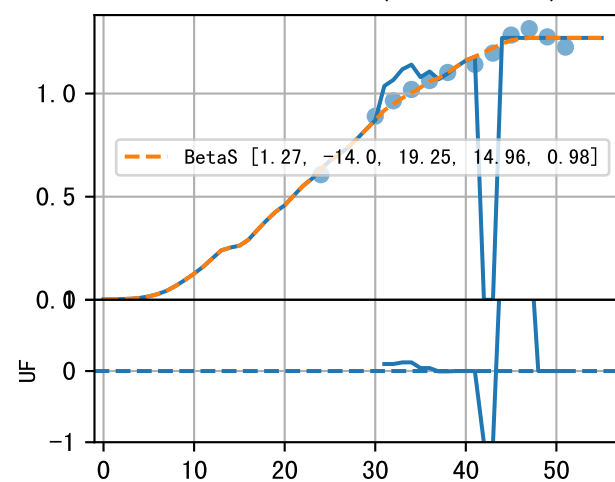
P3-6-003-24L12 (fit failed)



P3-6-003-24L14 (fit failed)



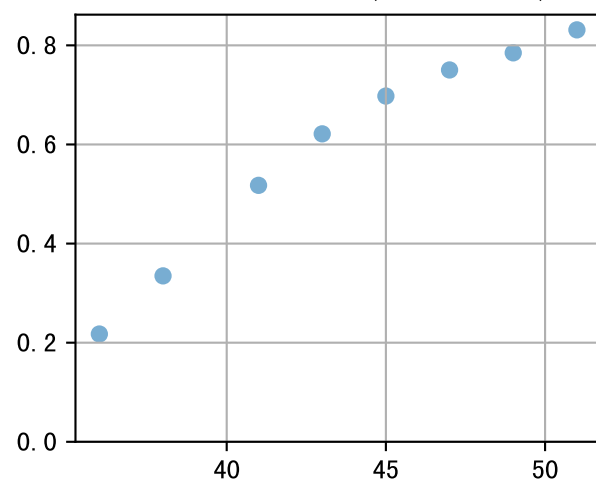
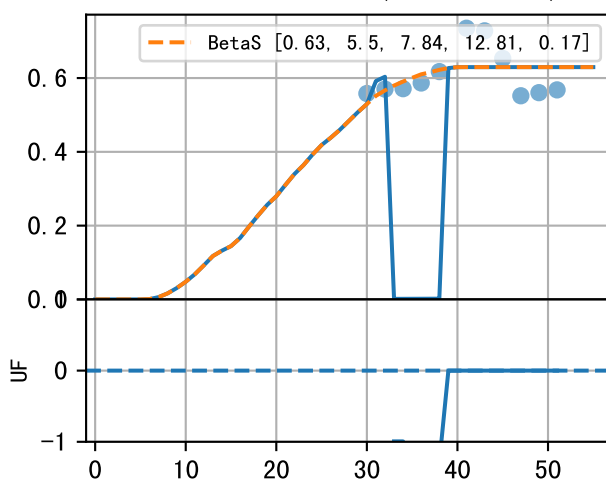
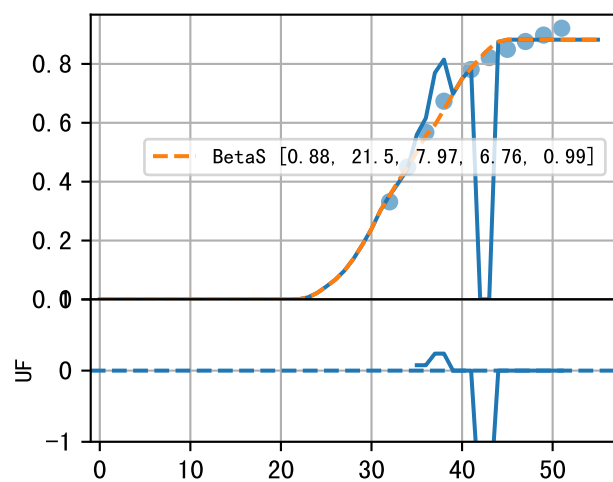
P3-6-003-24L6 (fit failed)



P3-6-003-24L9

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

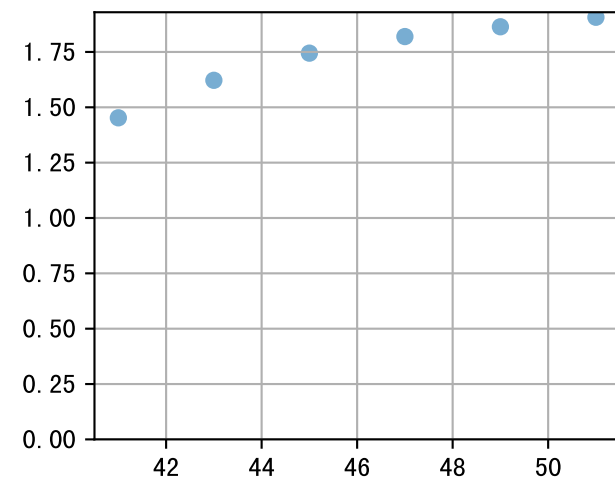
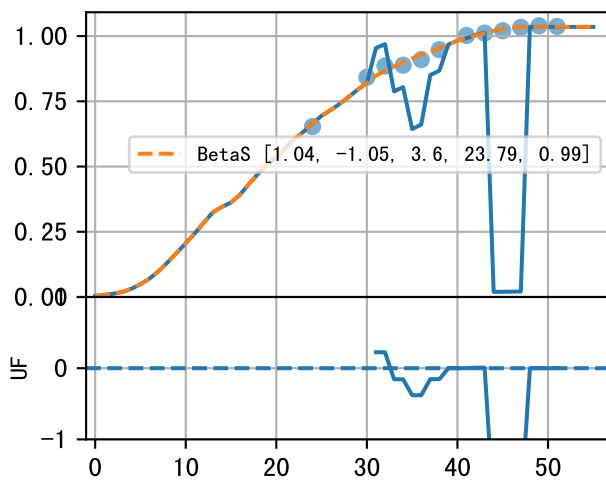
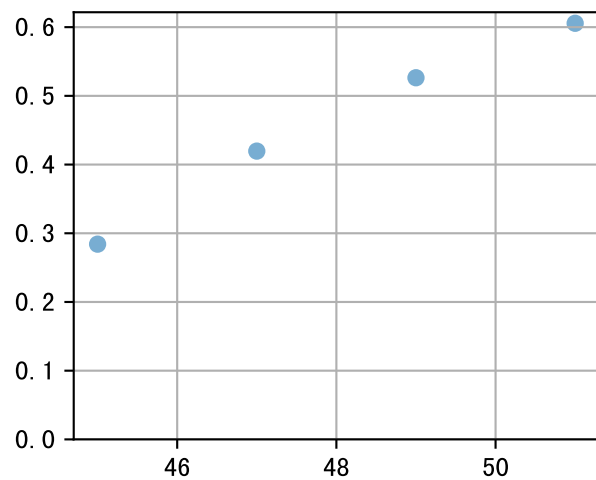
P3-6-007-11L13 (fit failed)



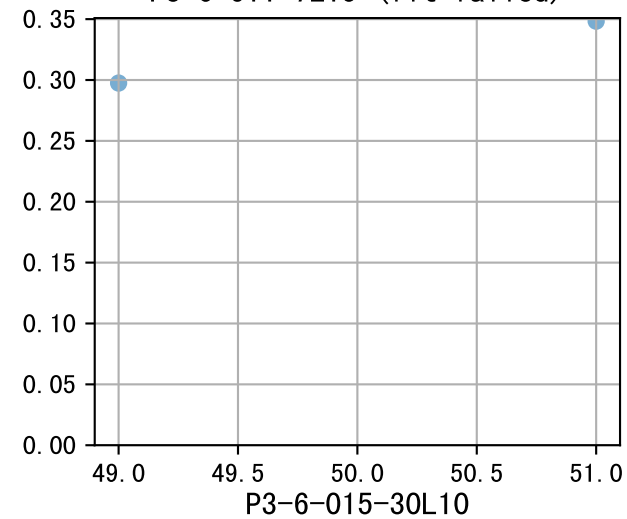
P3-6-007-11L16 (fit failed)

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

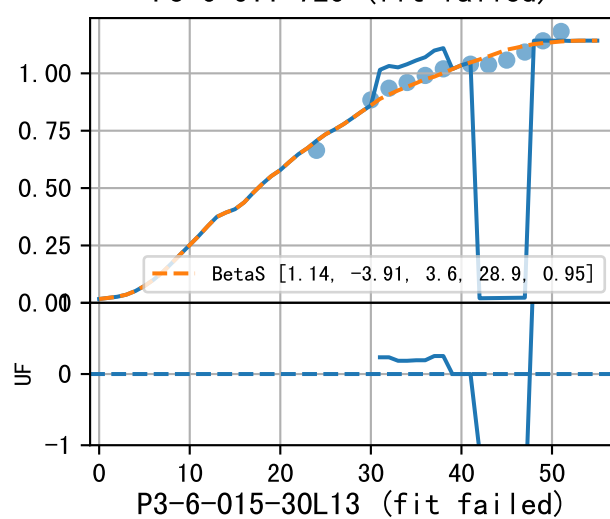
P3-6-011-7L12 (fit failed)



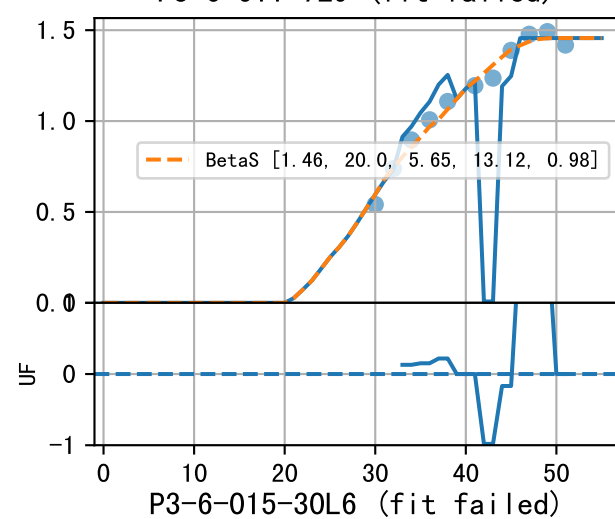
P3-6-011-7L15 (fit failed)



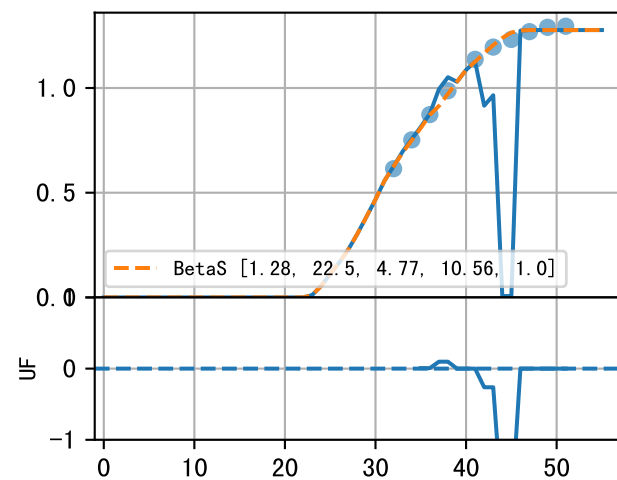
P3-6-011-7L6 (fit failed)



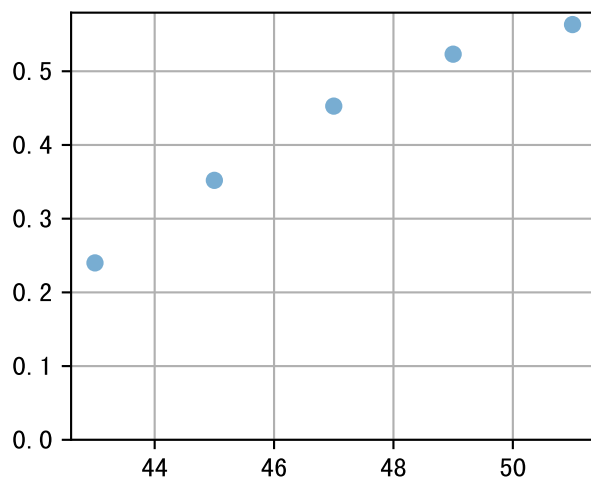
P3-6-011-7L9 (fit failed)



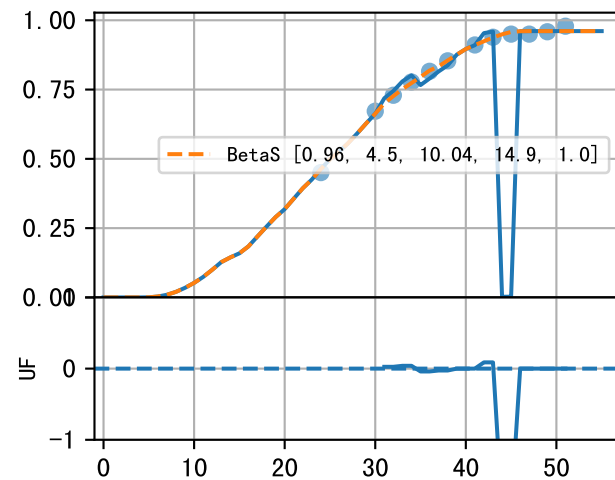
P3-6-015-30L10



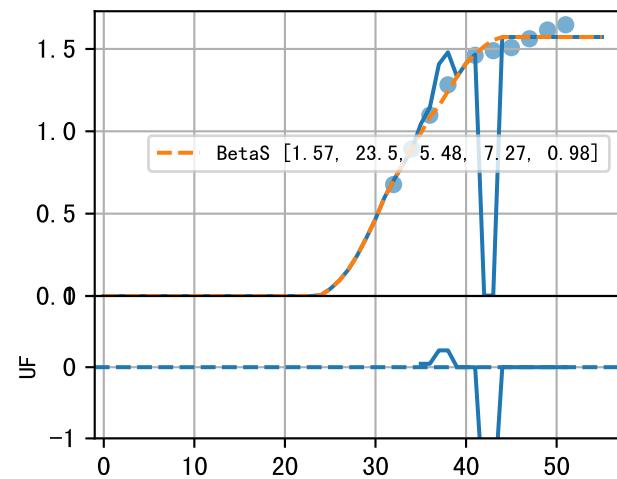
P3-6-015-30L13 (fit failed)



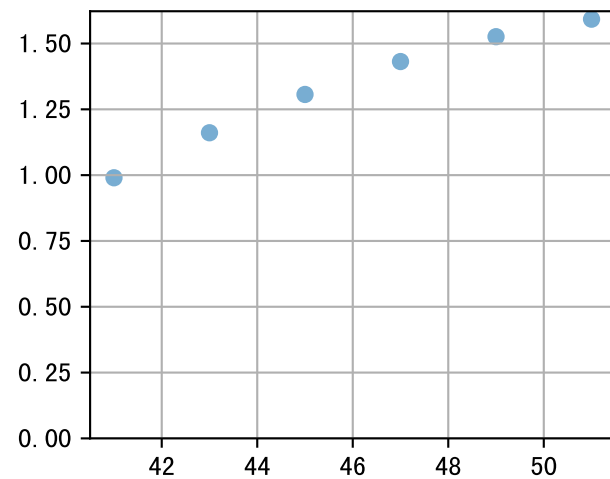
P3-6-015-30L6 (fit failed)



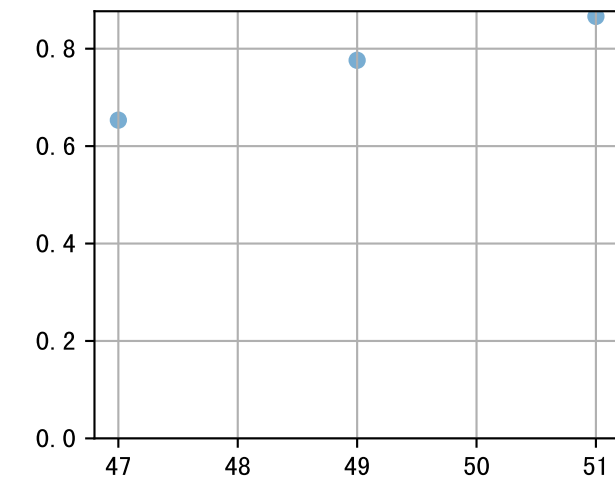
P3-6-019-12L10 (fit failed)



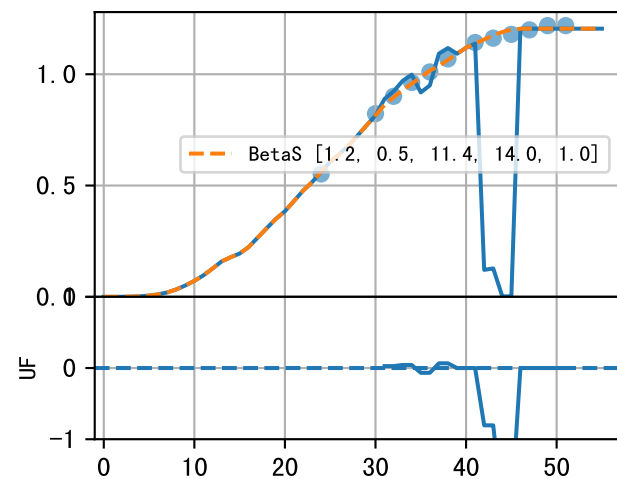
P3-6-019-12L13 (fit failed)



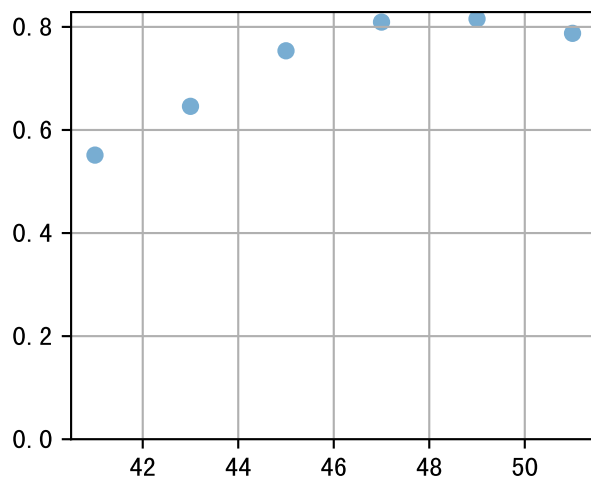
P3-6-019-12L15 (fit failed)



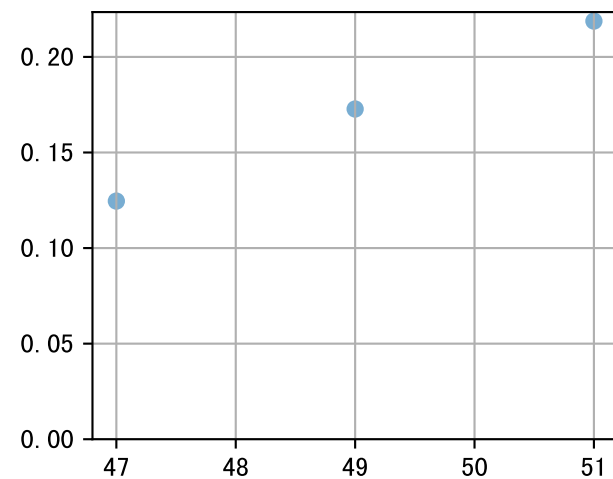
P3-6-019-12L7 (fit failed)



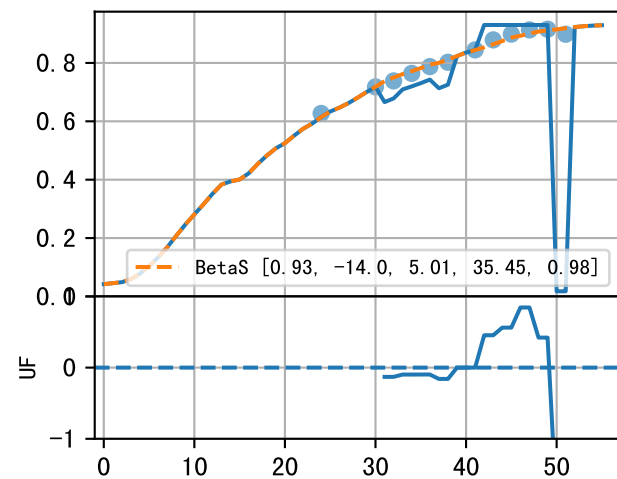
P3-6-024-25L12 (fit failed)



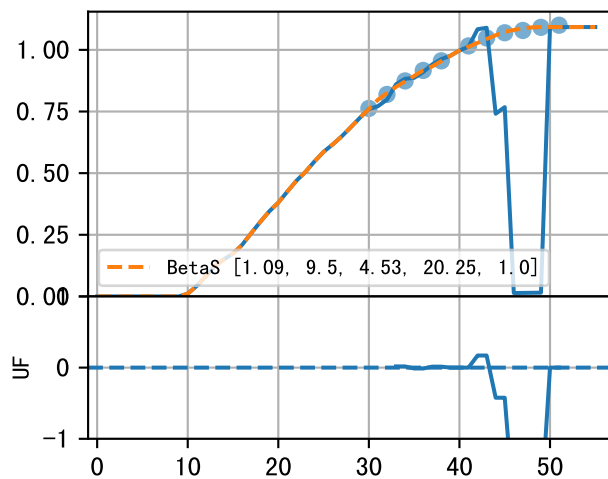
P3-6-024-25L15 (fit failed)



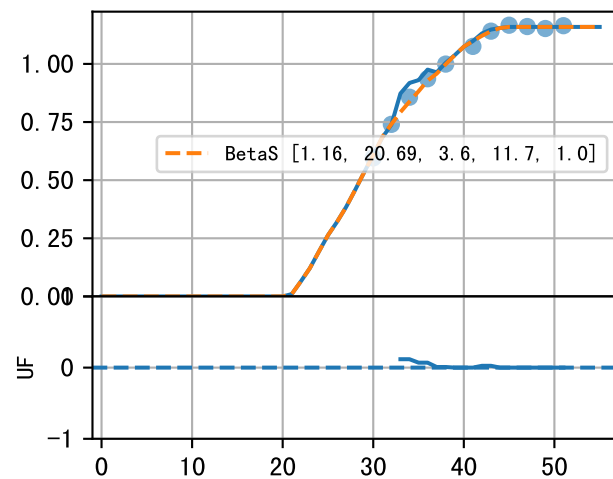
P3-6-024-25L6 (fit failed)



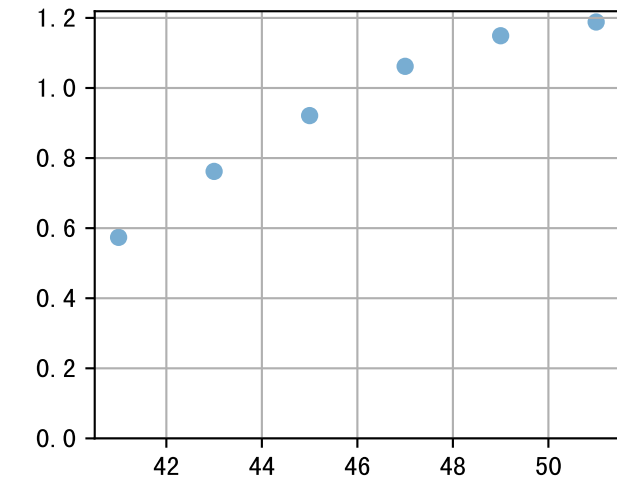
P3-6-024-25L9



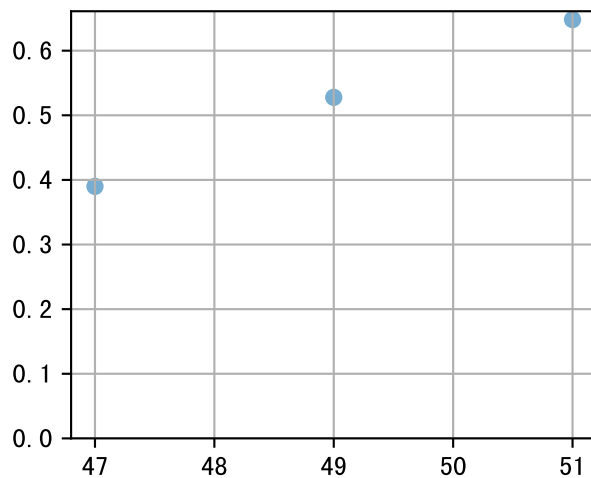
P3-6-028-32L10



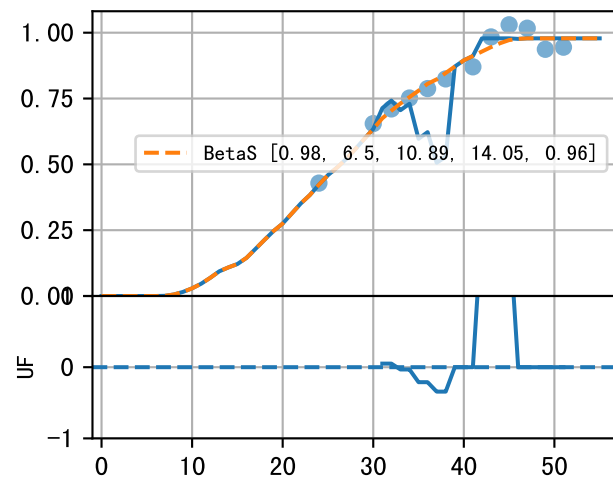
P3-6-028-32L13 (fit failed)



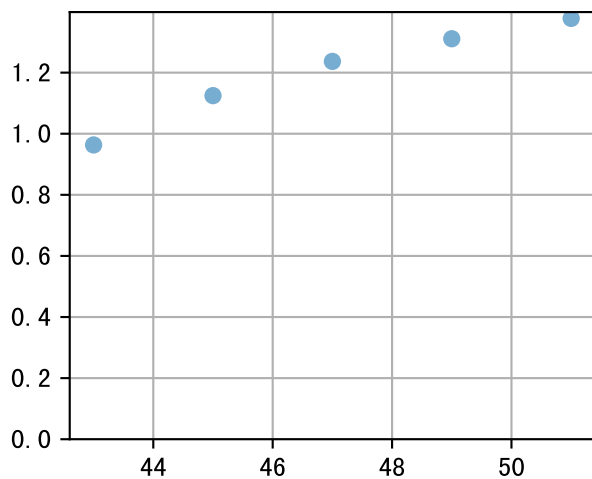
P3-6-028-32L16 (fit failed)



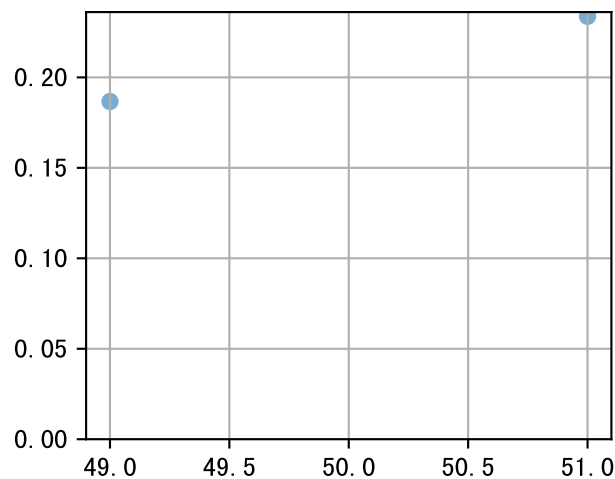
P3-6-028-32L7 (fit failed)



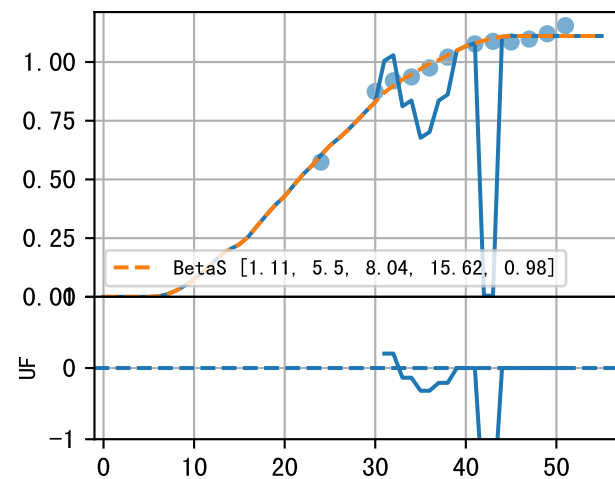
P3-6-033-9L12 (fit failed)



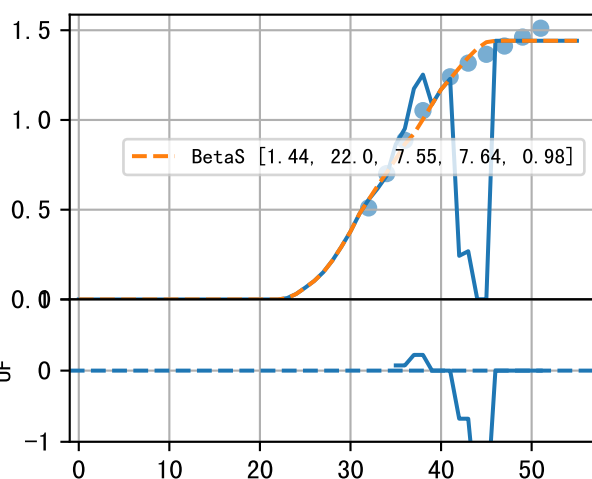
P3-6-033-9L15 (fit failed)



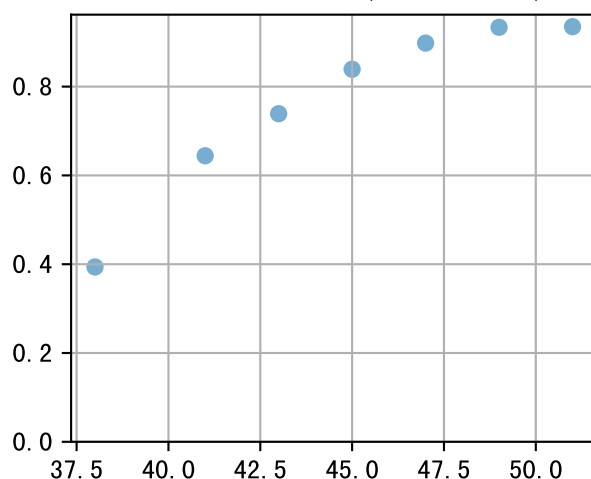
P3-6-033-9L6 (fit failed)



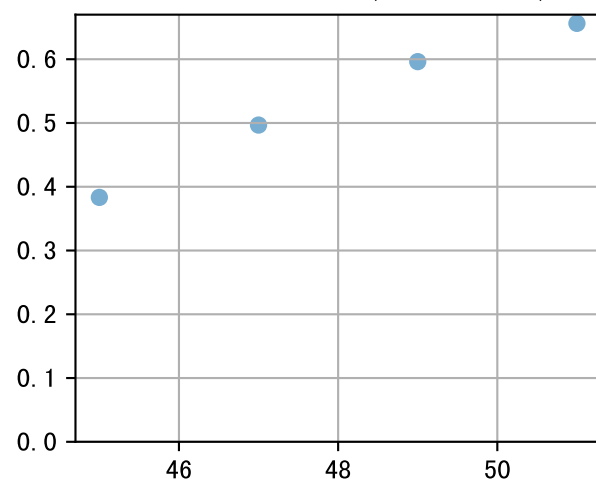
P3-6-033-9L9



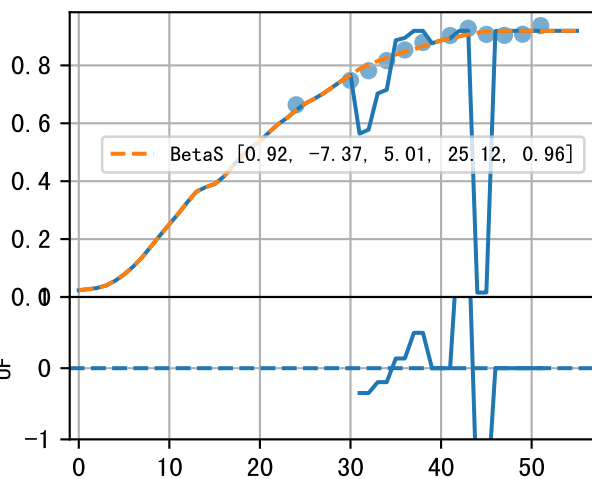
P3-6-038-21L12 (fit failed)



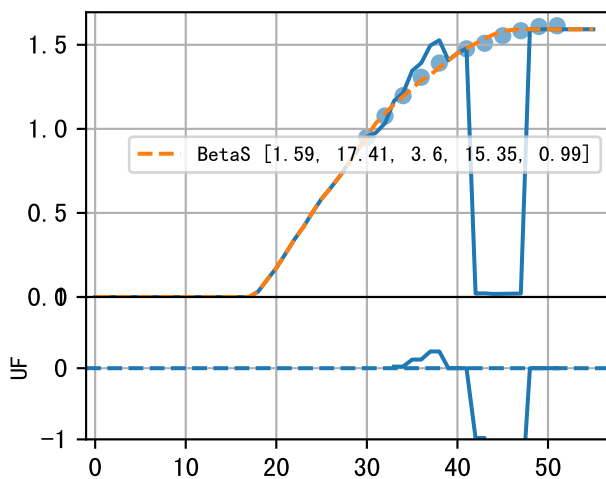
P3-6-038-21L15 (fit failed)



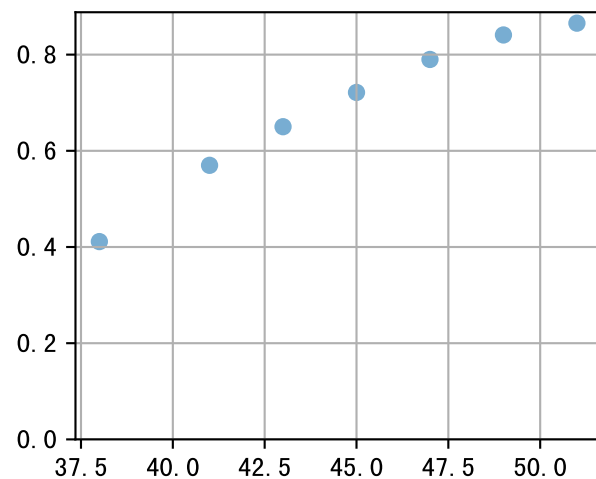
P3-6-038-21L6 (fit failed)



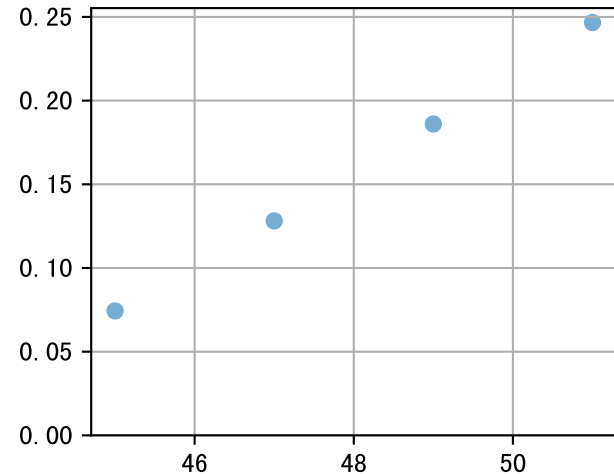
P3-6-038-21L9



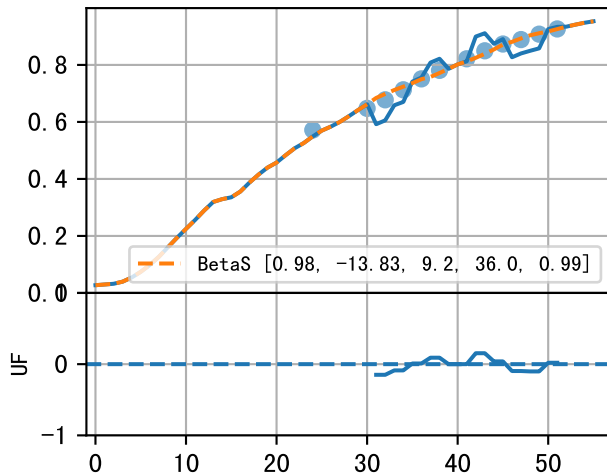
P3-6-042-4L12 (fit failed)



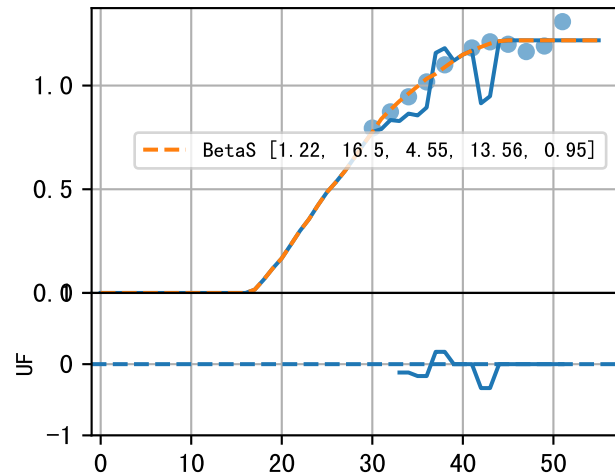
P3-6-042-4L15 (fit failed)

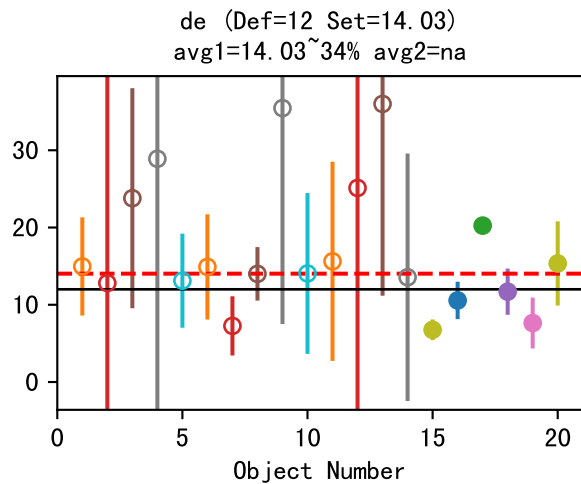
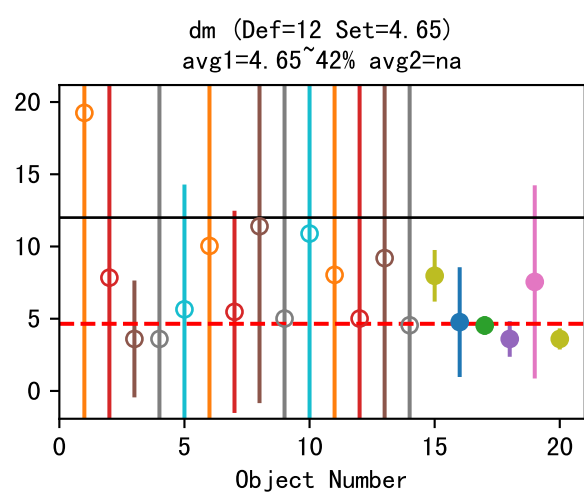
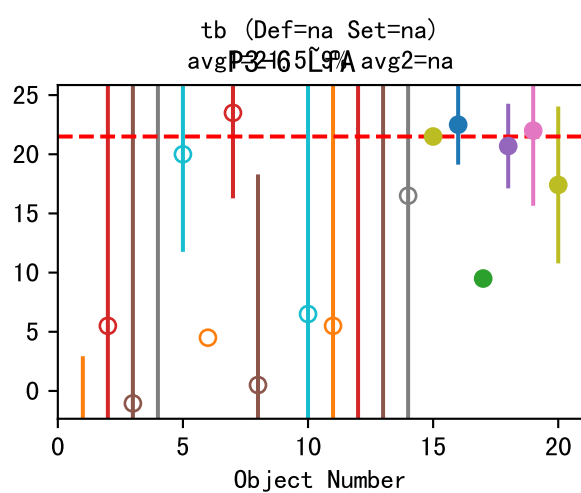
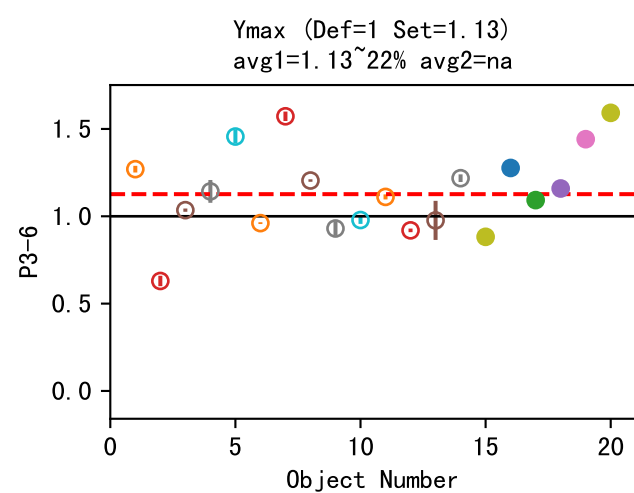


P3-6-042-4L6¹ (fit failed)

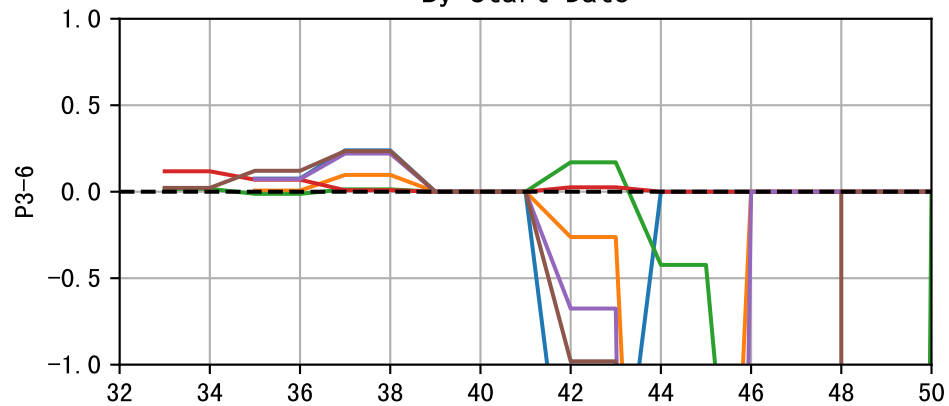


P3-6-042-4L9 (fit failed)

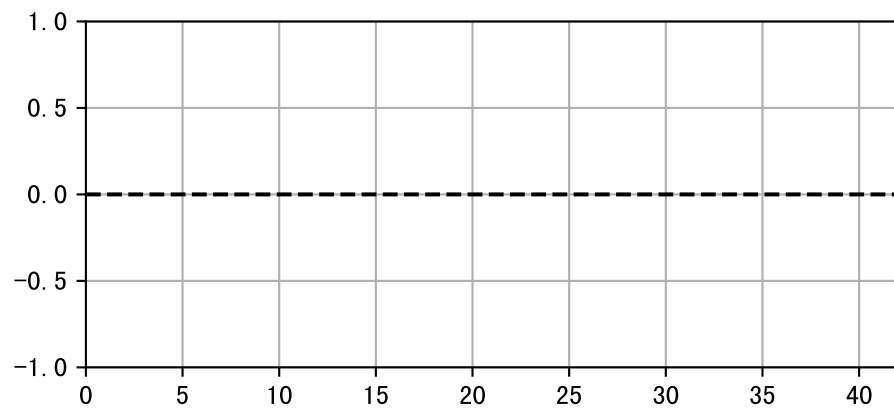
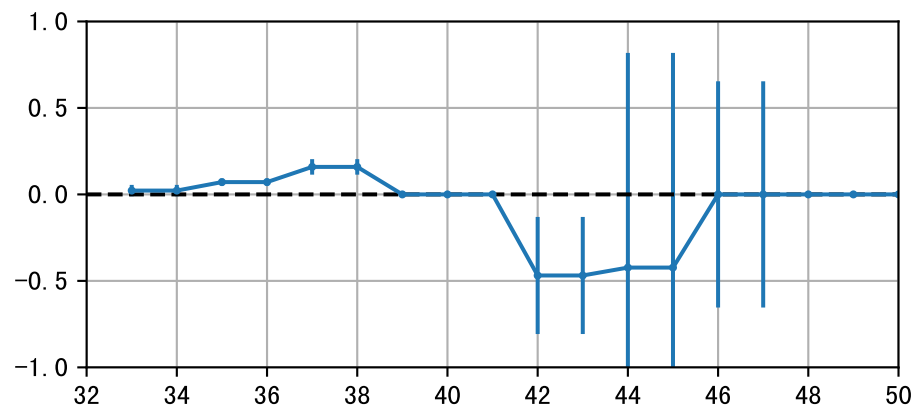
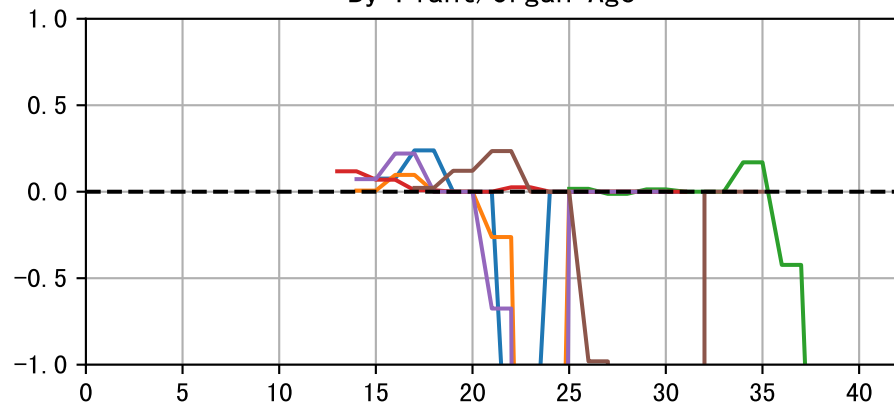


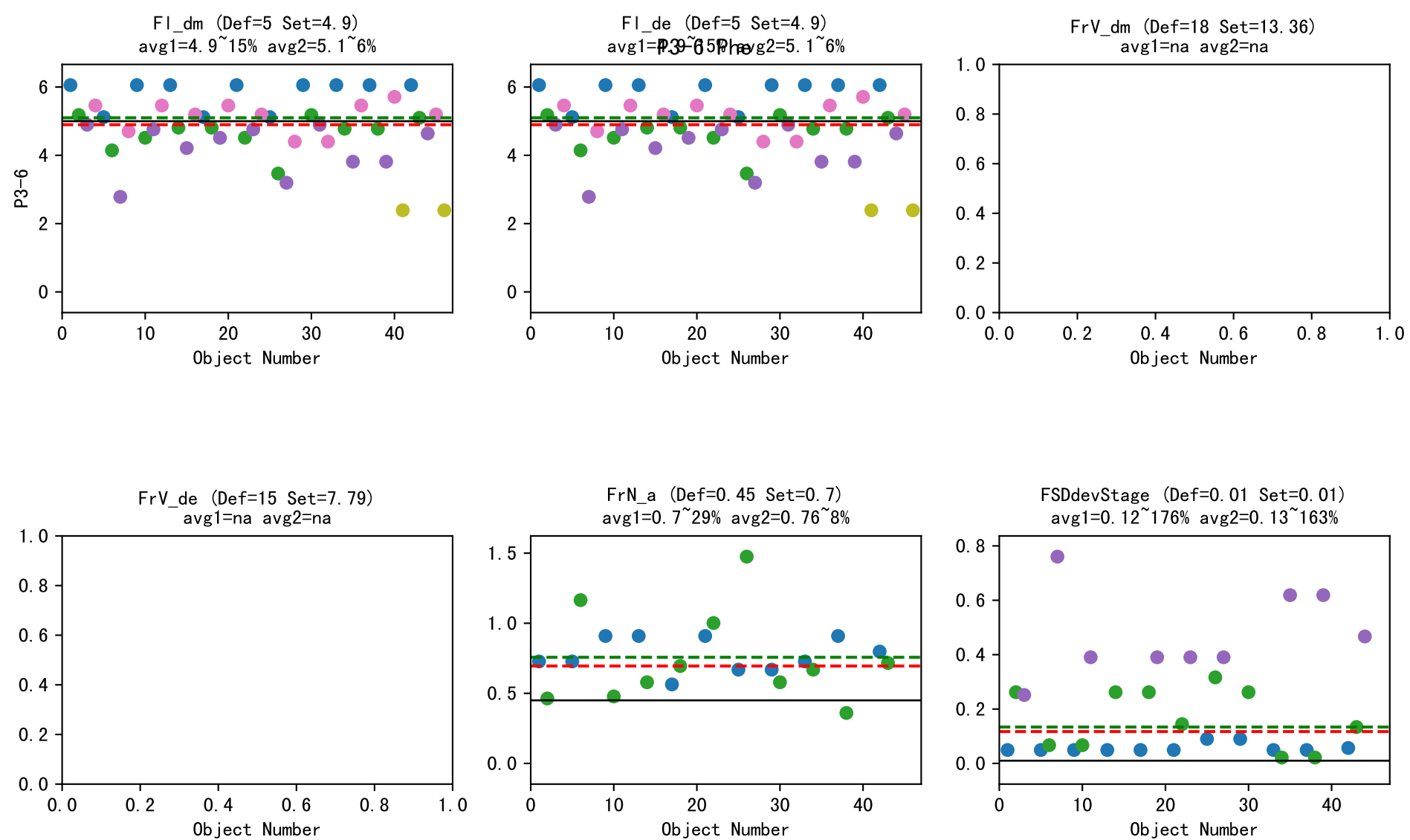


By Start Date

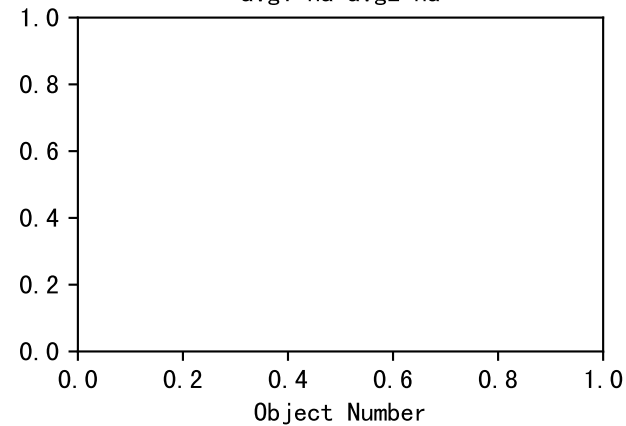


By Plant/Organ Age

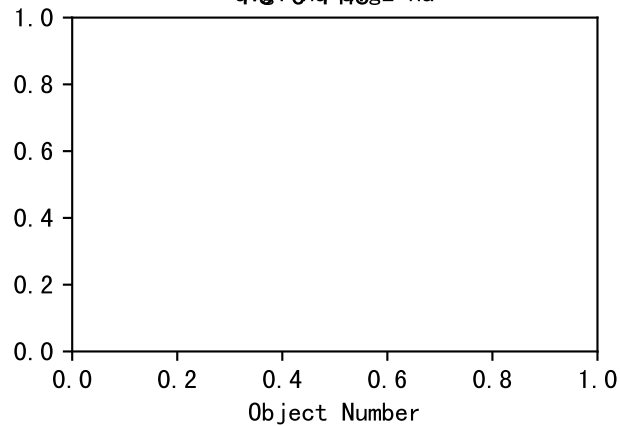




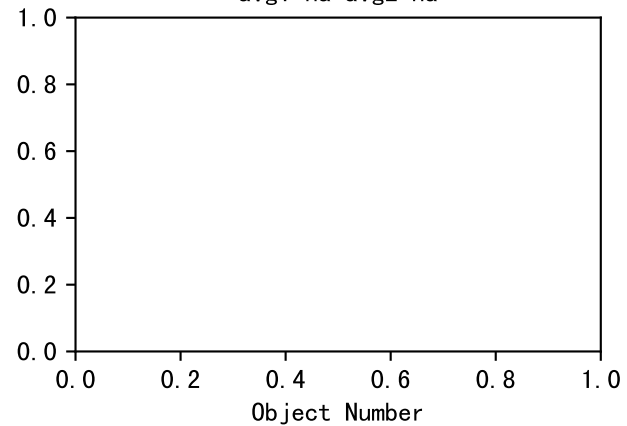
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



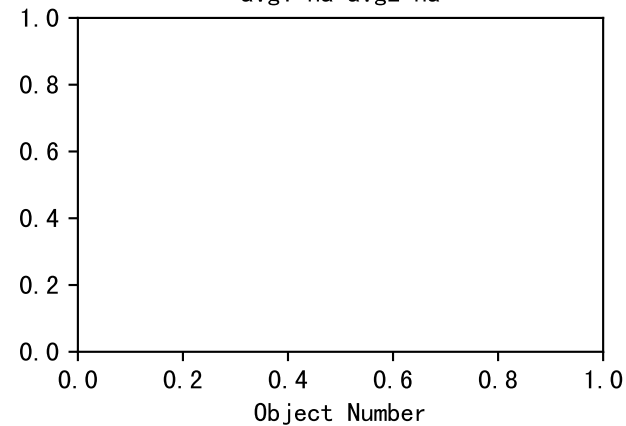
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



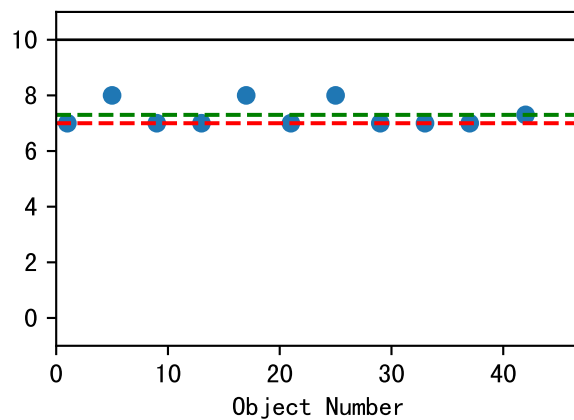
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

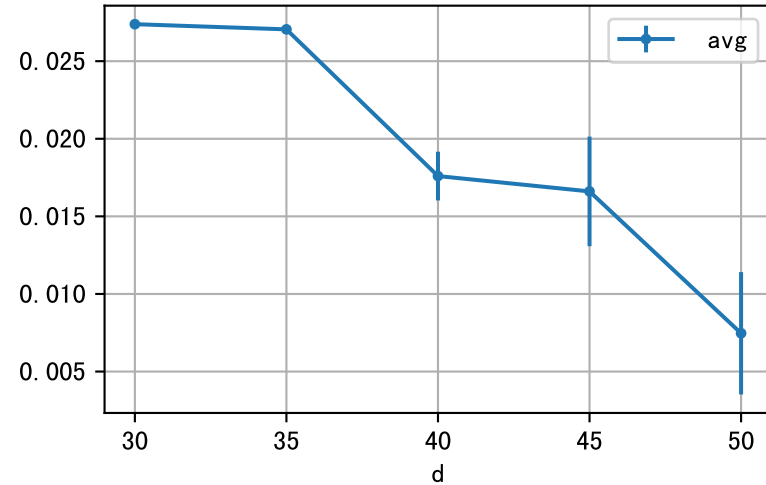


NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

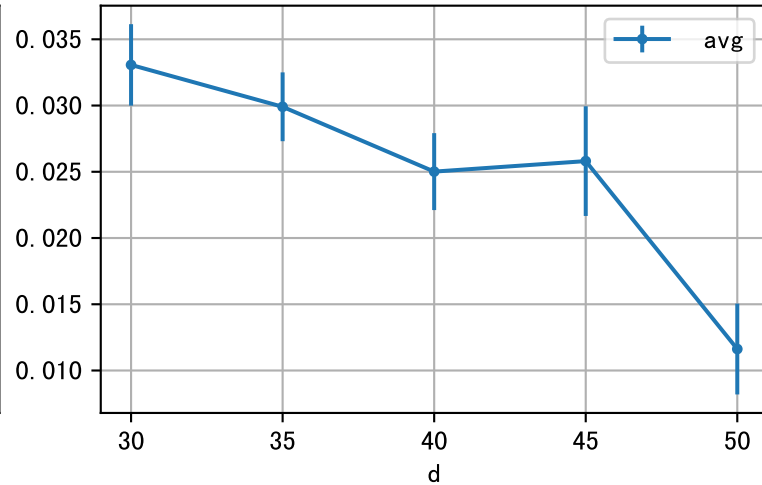


LfA: avg vs. d at each age group

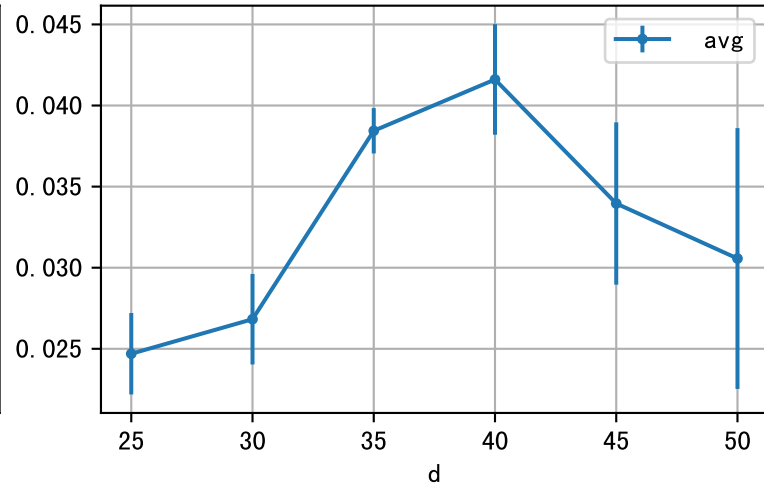
age=15



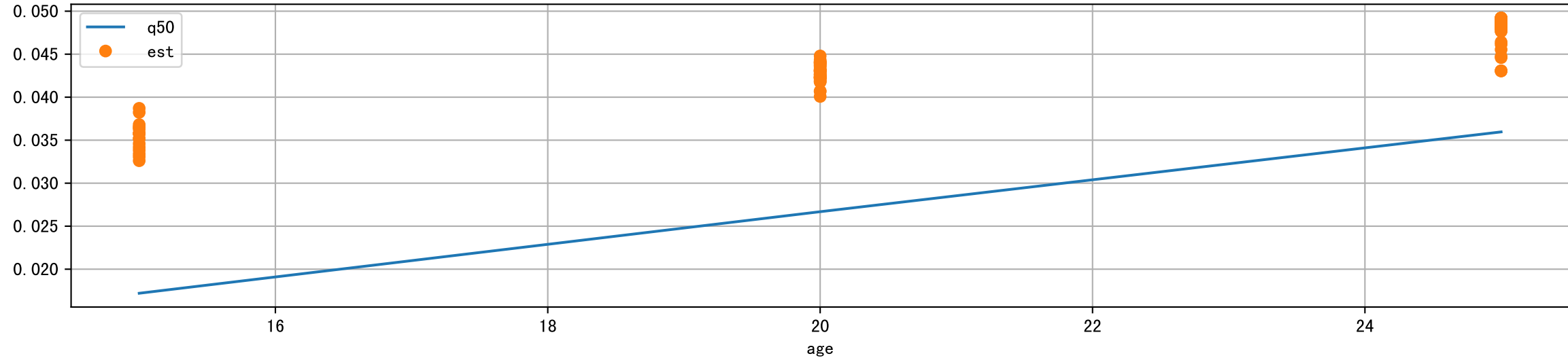
age=20



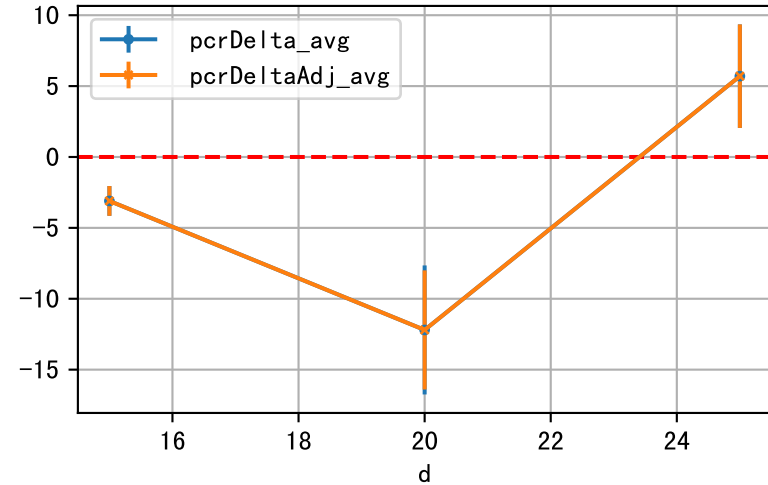
age=25



LfA: model est vs obs0v@Q50

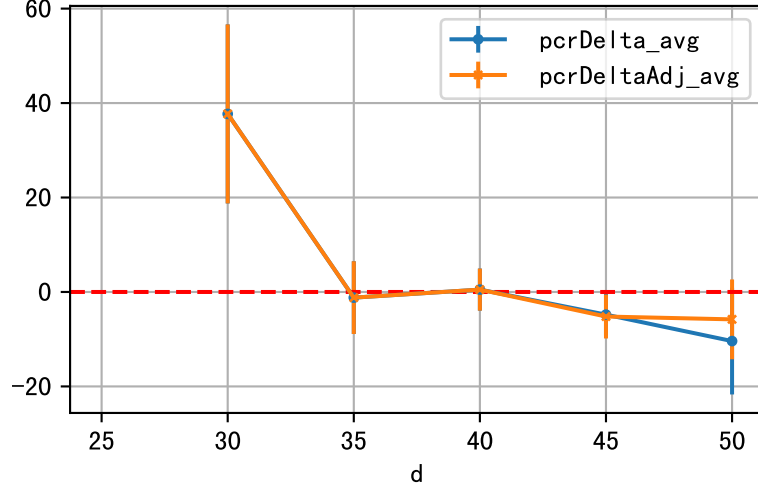


DeltaTypeAbbr=GrpByAge

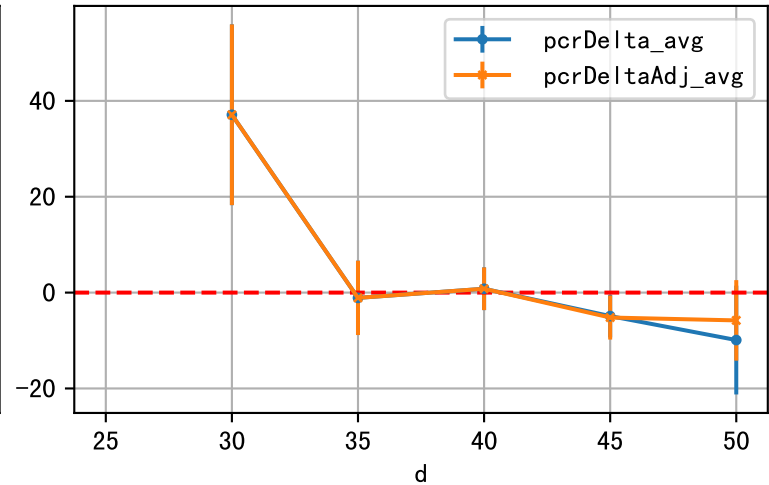


P3-6 LfA: D_5d_LfA

DeltaTypeAbbr=GrpByDay

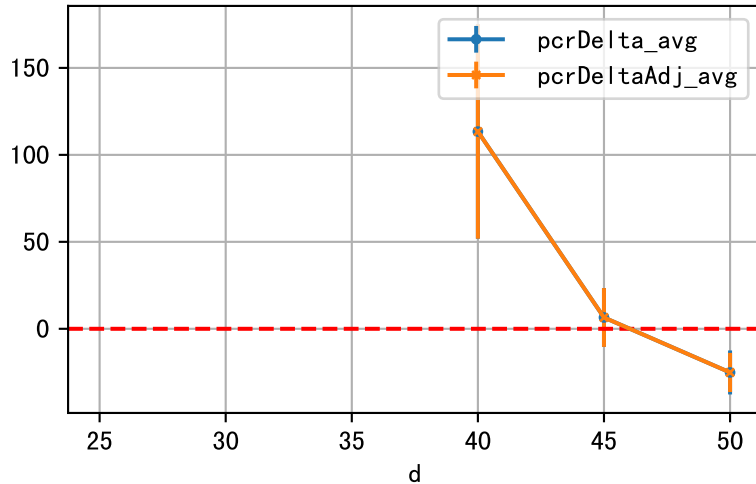
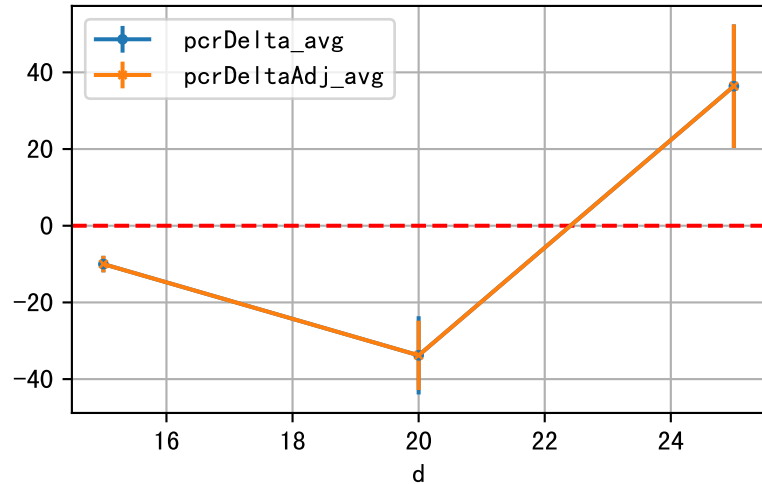


DeltaTypeAbbr=Wei AvgByD

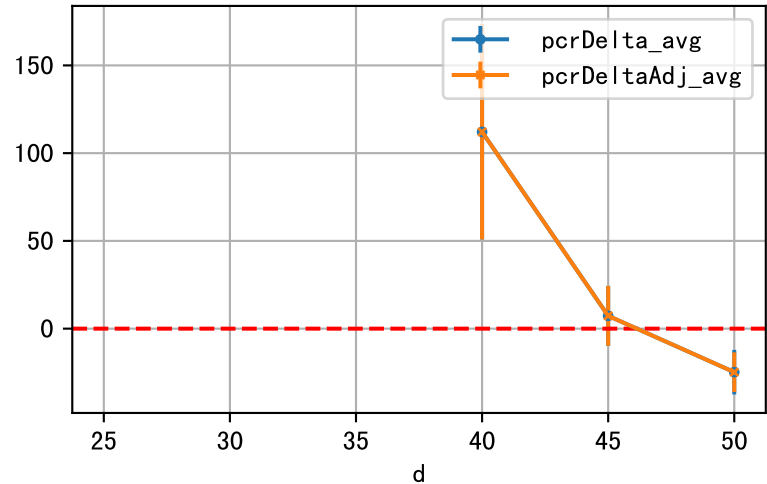


P3-6 LfA: D_15d_LfA

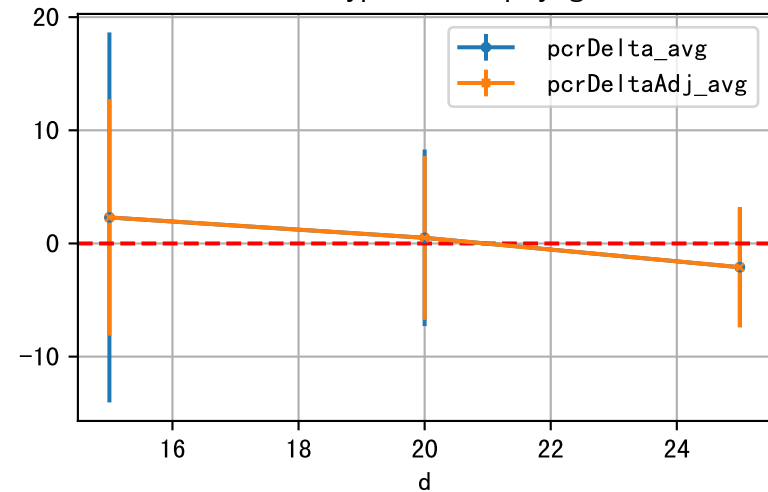
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

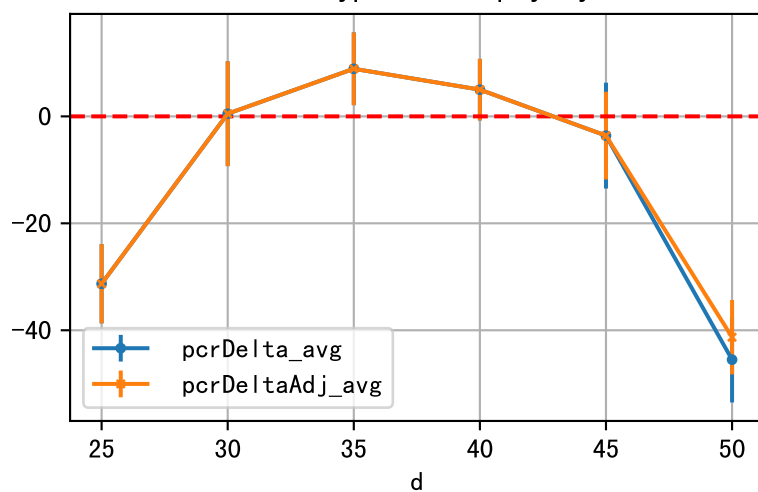


DeltaTypeAbbr=GrpByAge

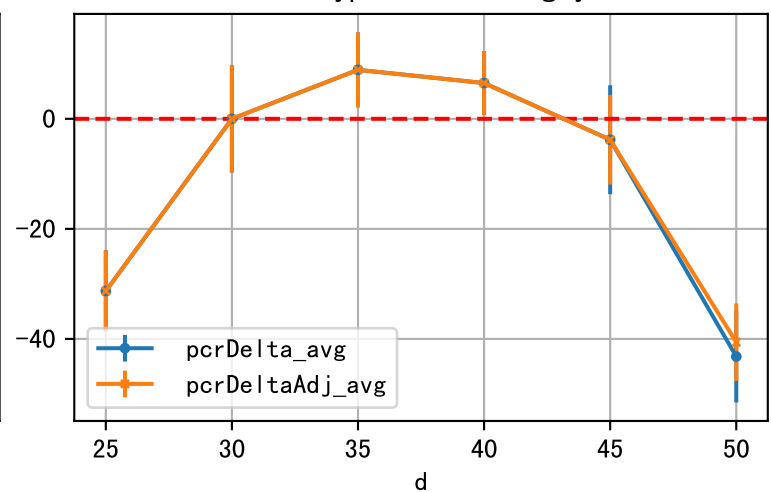


P3-6 LfA: D_Q50_LfA

DeltaTypeAbbr=GrpByDay

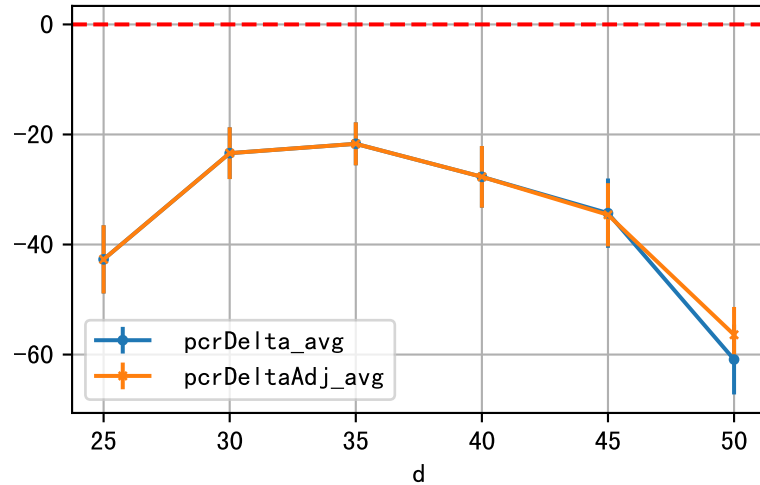


DeltaTypeAbbr=Wei AvgByD

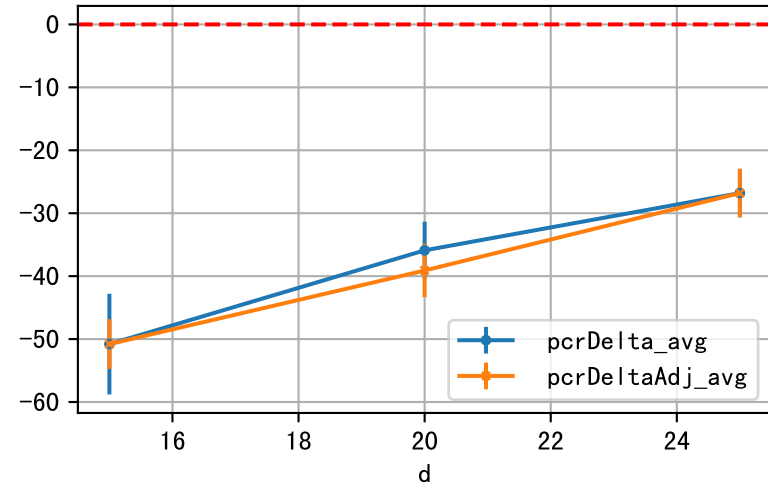


P3-6 LfA: D_Est_LfA

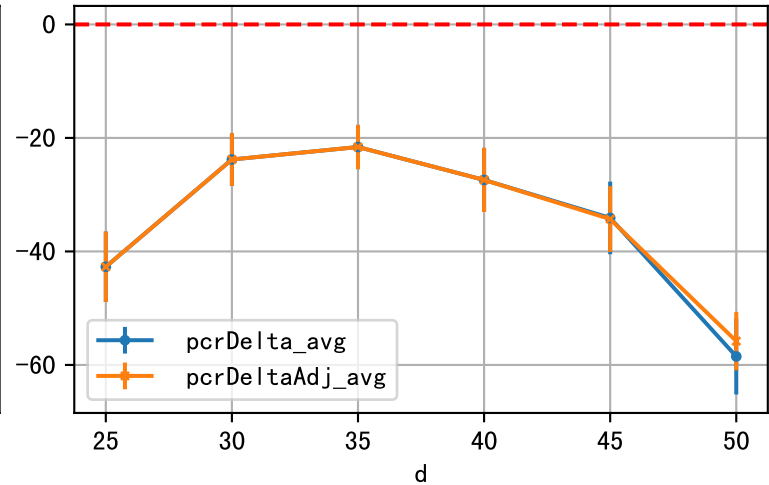
DeltaTypeAbbr=GrpByDay



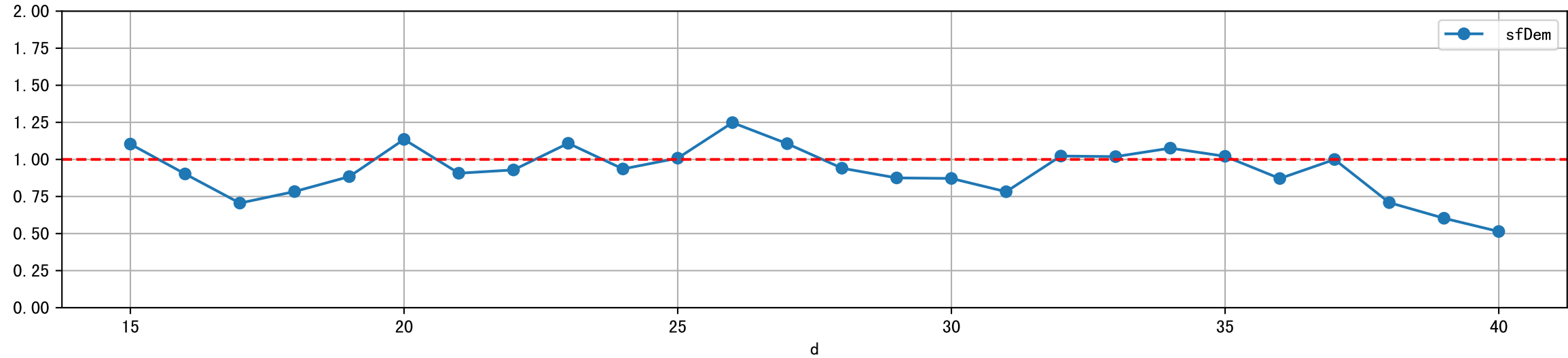
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD



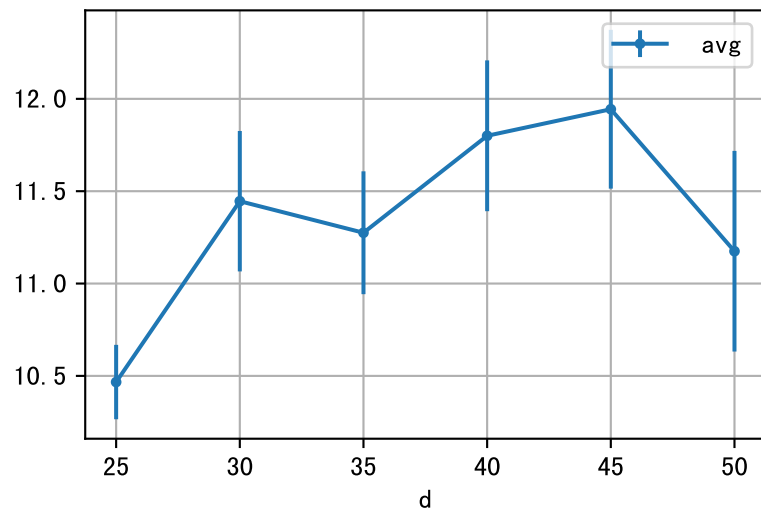
LfA: sfDem



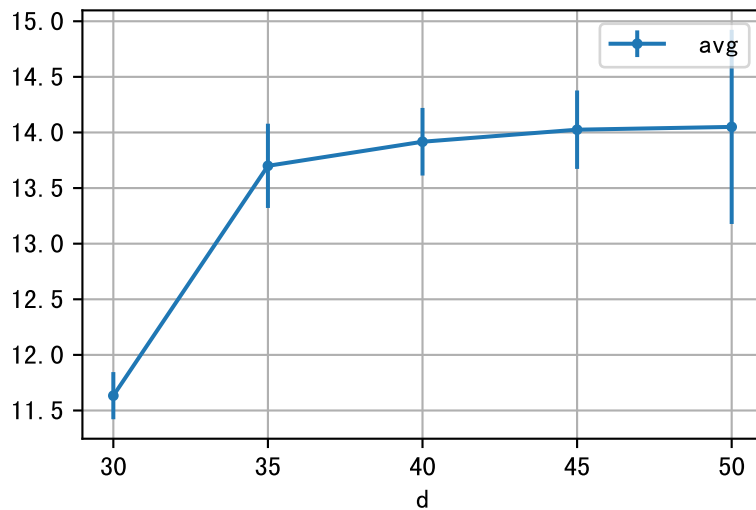


NdD: avg vs. d at each age group

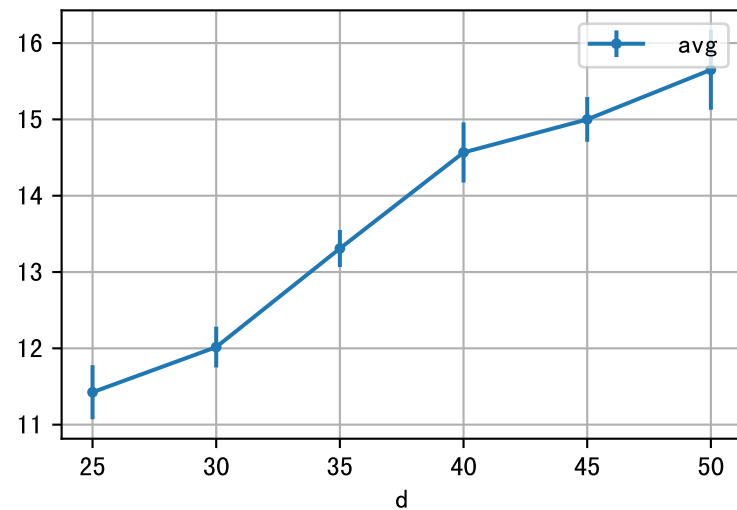
age=15



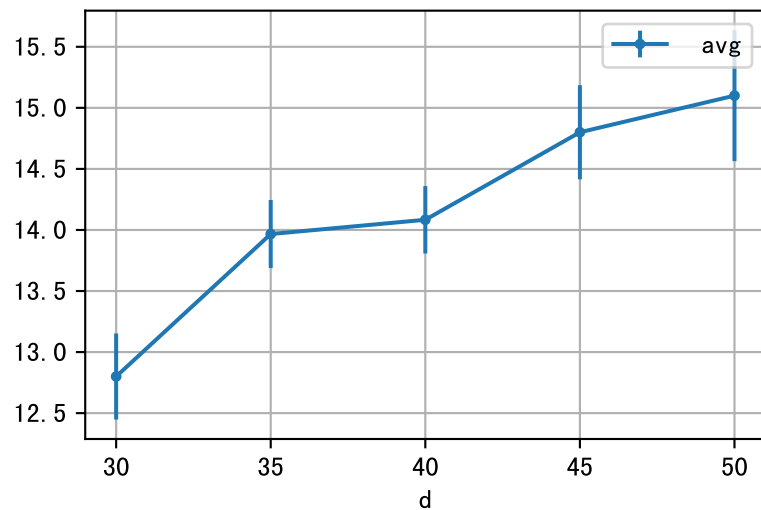
age=20



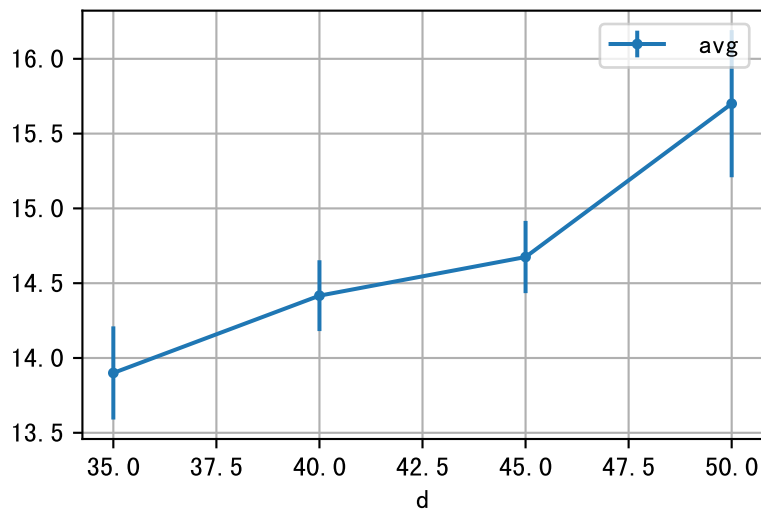
age=25



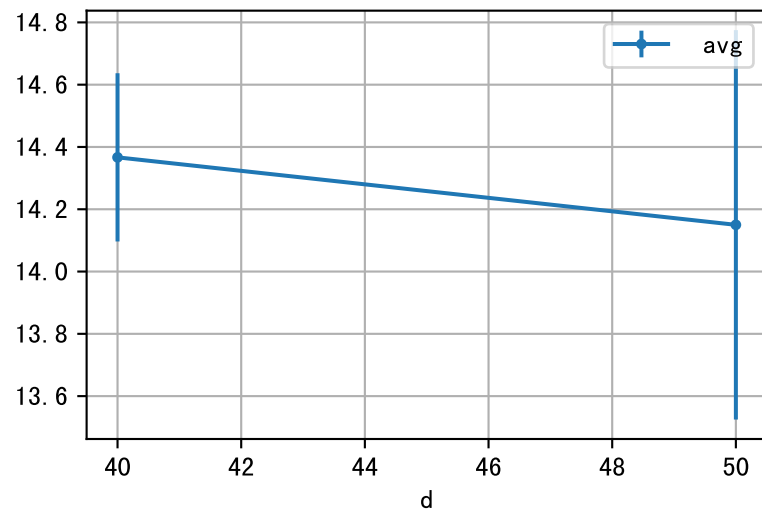
age=30



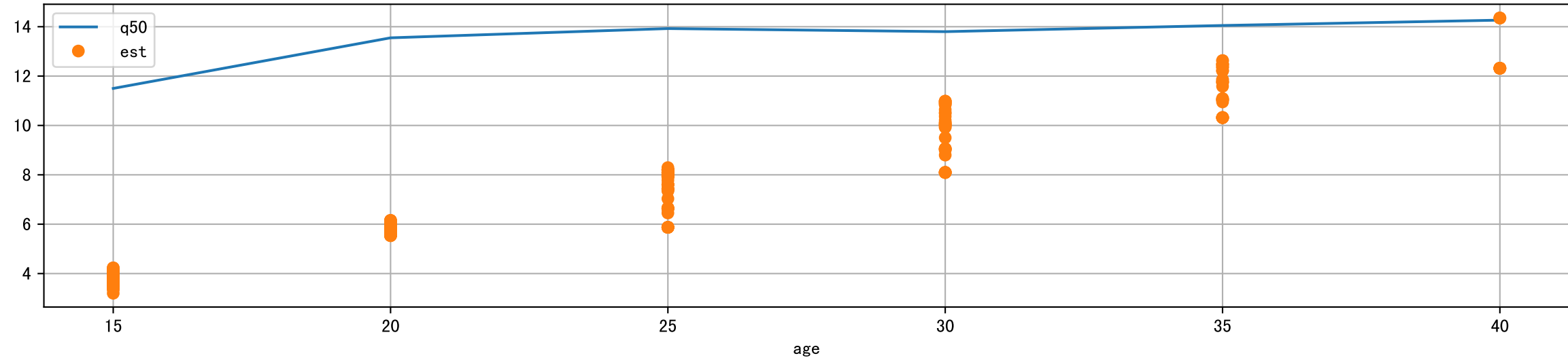
age=35



age=40

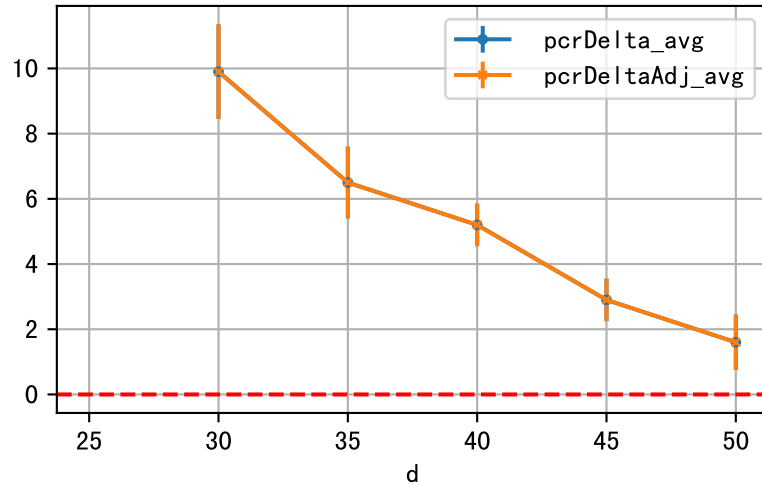


NdD: model est vs obs0v@Q50

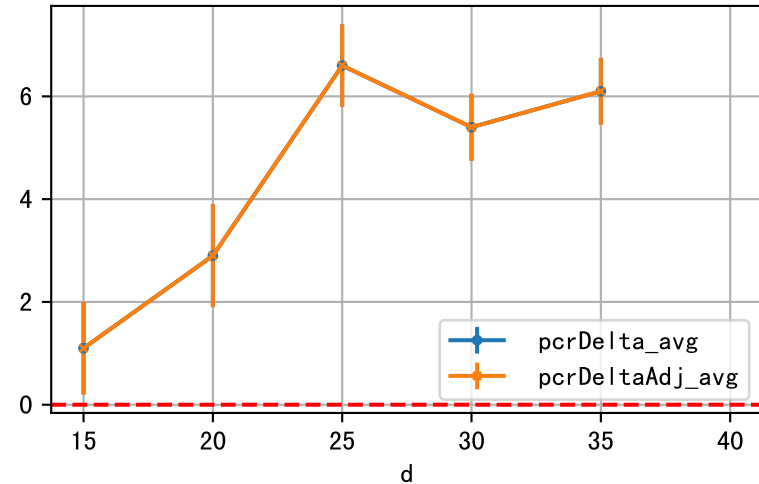


P3-6 NdD: D_5d_NdD

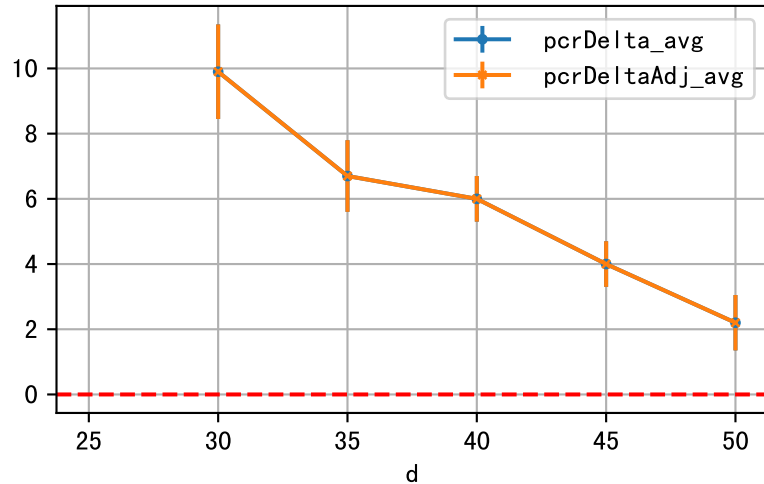
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

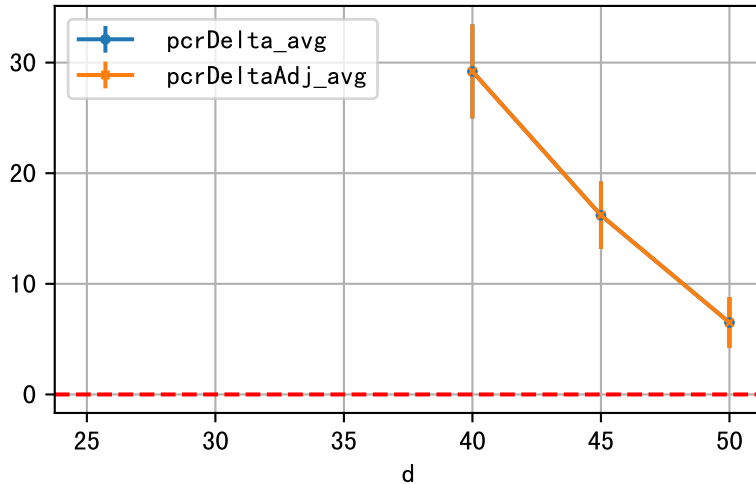


DeltaTypeAbbr=Wei AvgByD

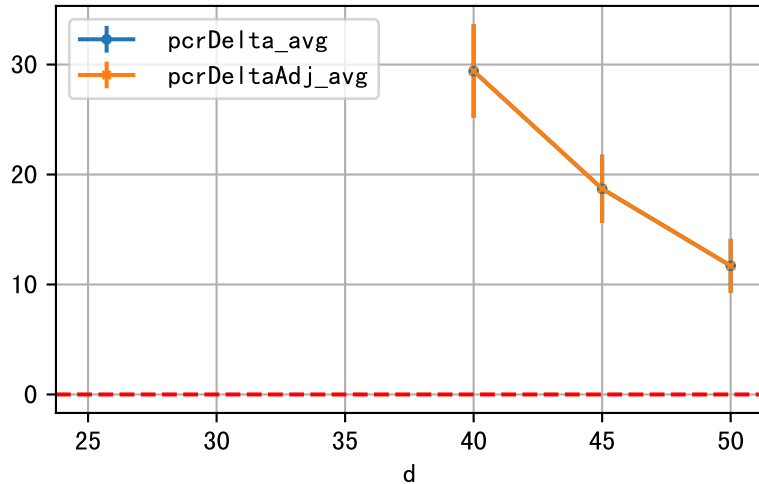


P3-6 NdD: D_15d_NdD

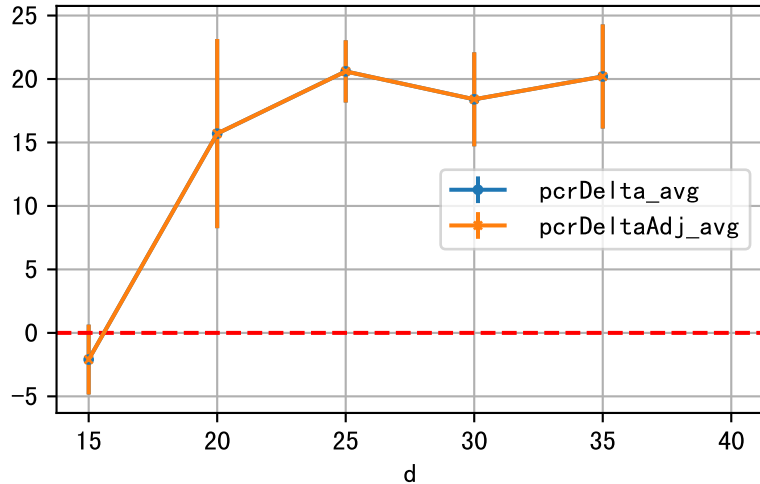
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

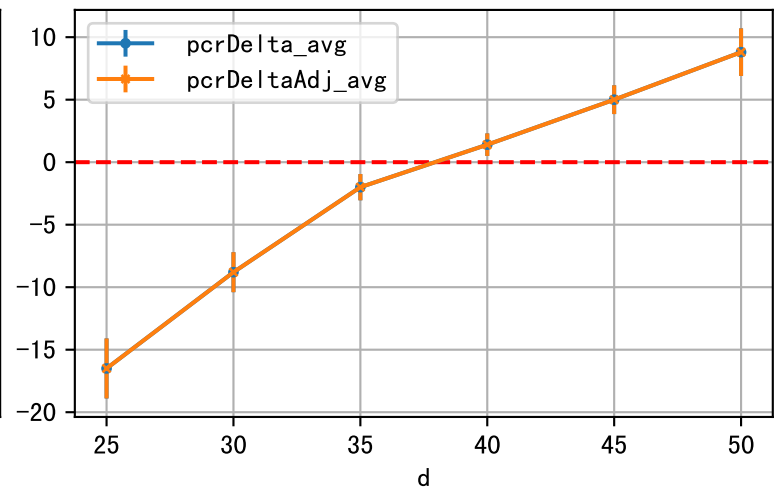
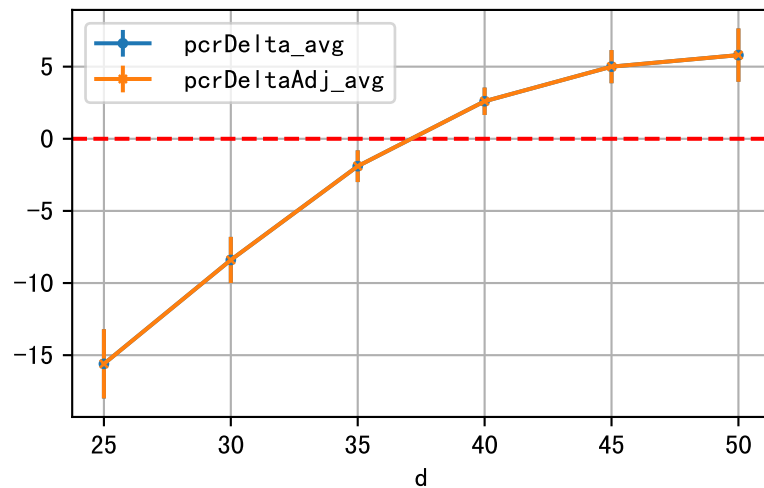
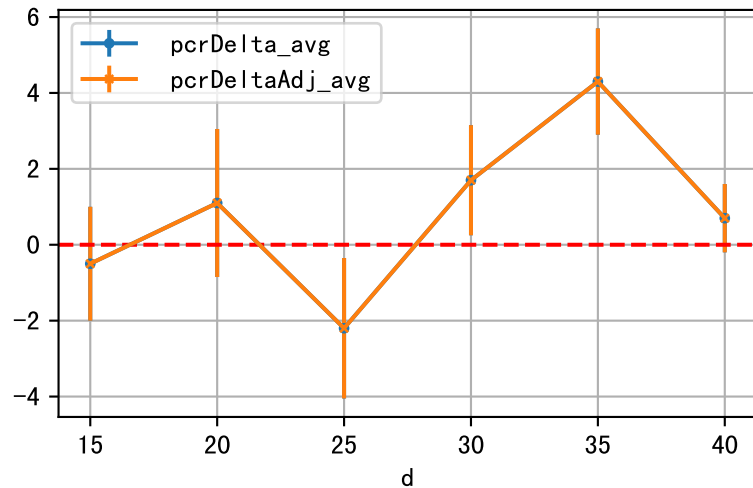


DeltaTypeAbbr=GrpByAge

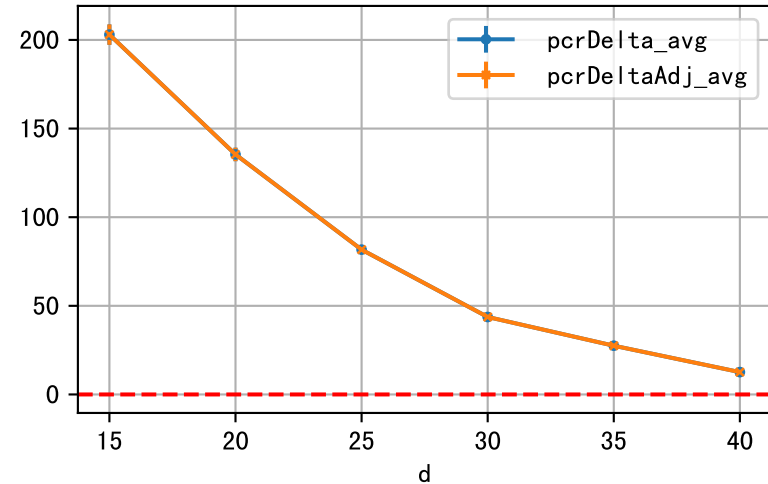


P3-6 NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByDay

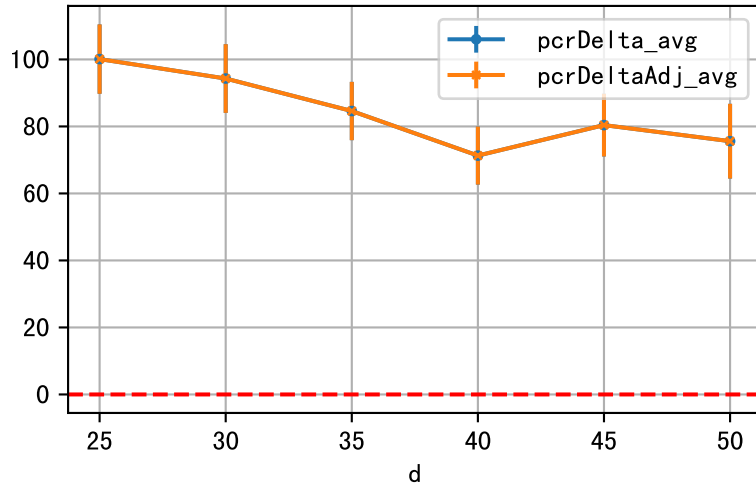


DeltaTypeAbbr=GrpByAge

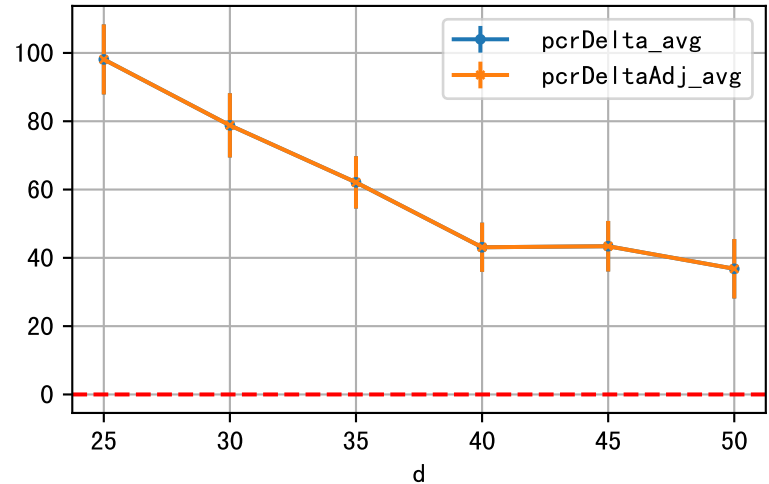


P3-6 NdD: D_Est_NdD

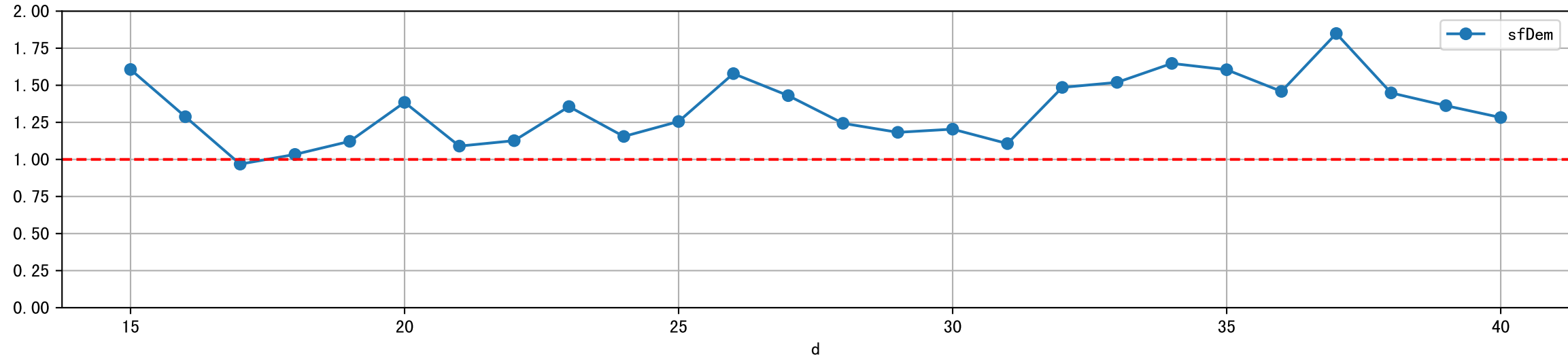
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

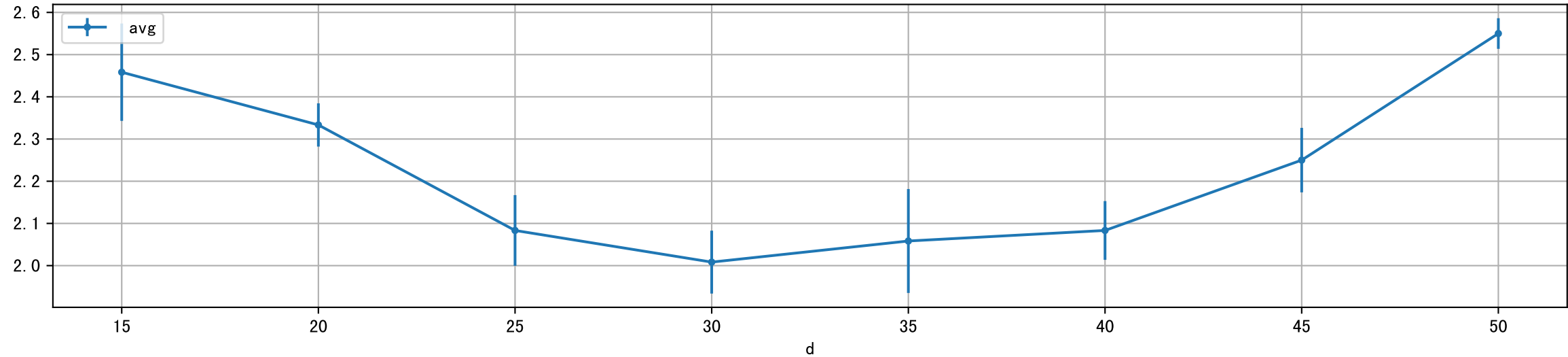


NdD: sfDem

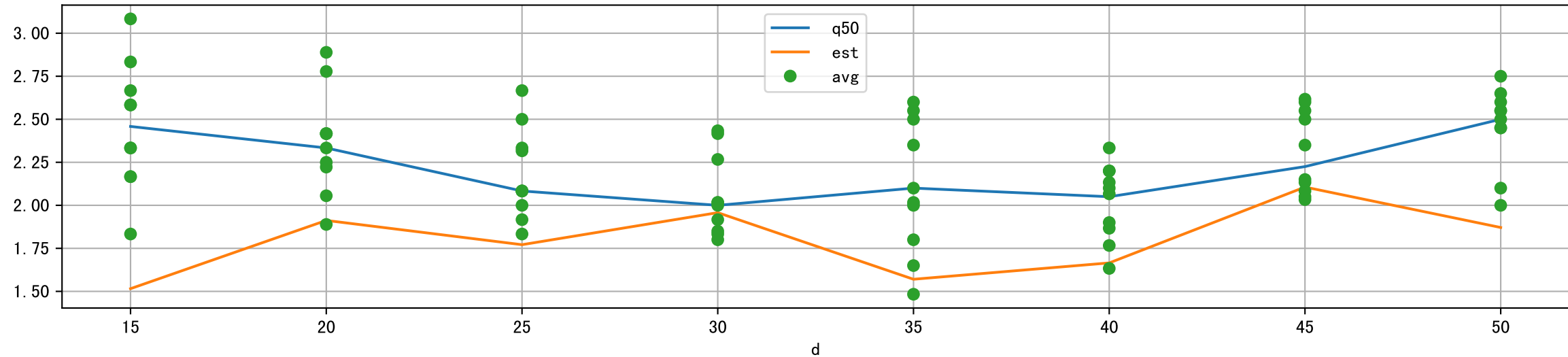




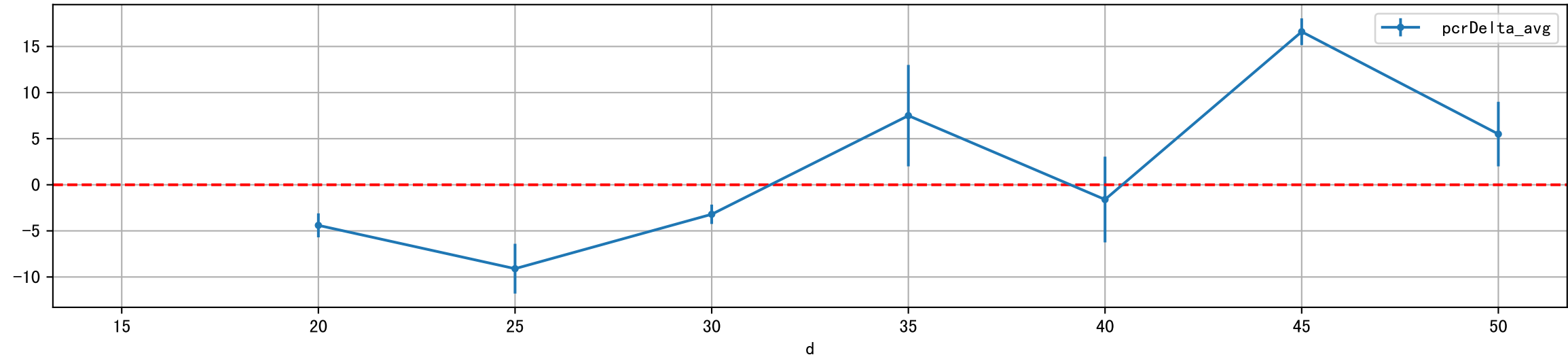
dStH: avg vs. d



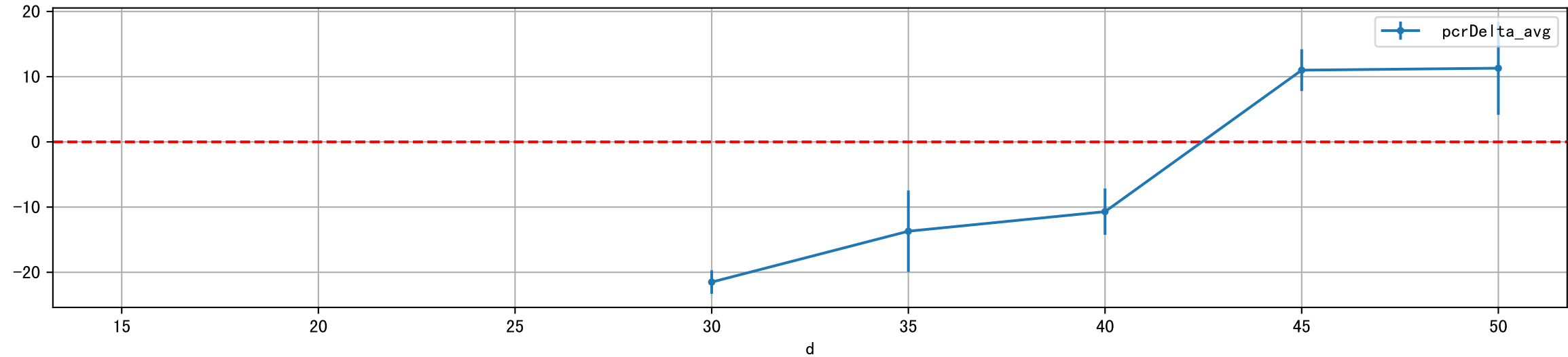
dStH: obsAvg vs obs0v@Q50



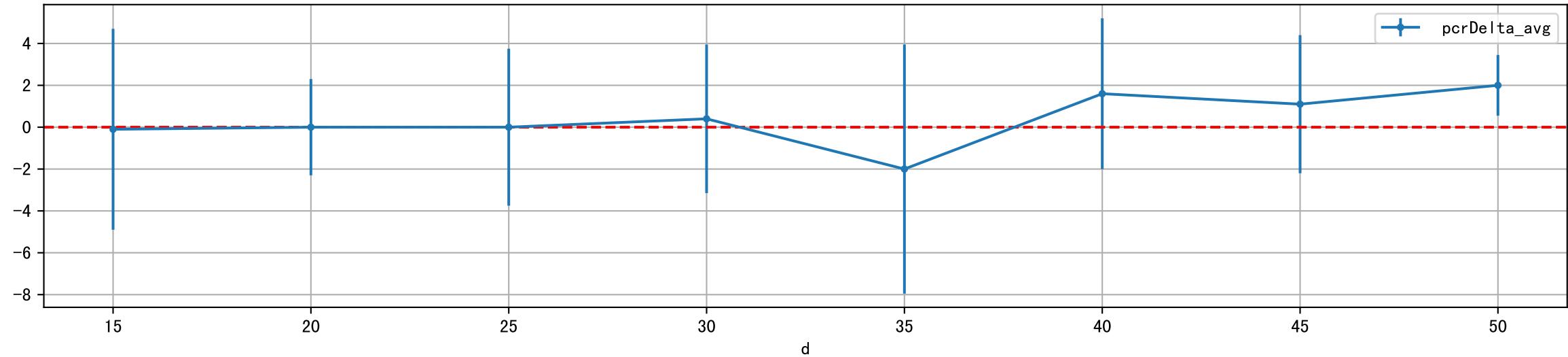
dStH: D_5d_StH



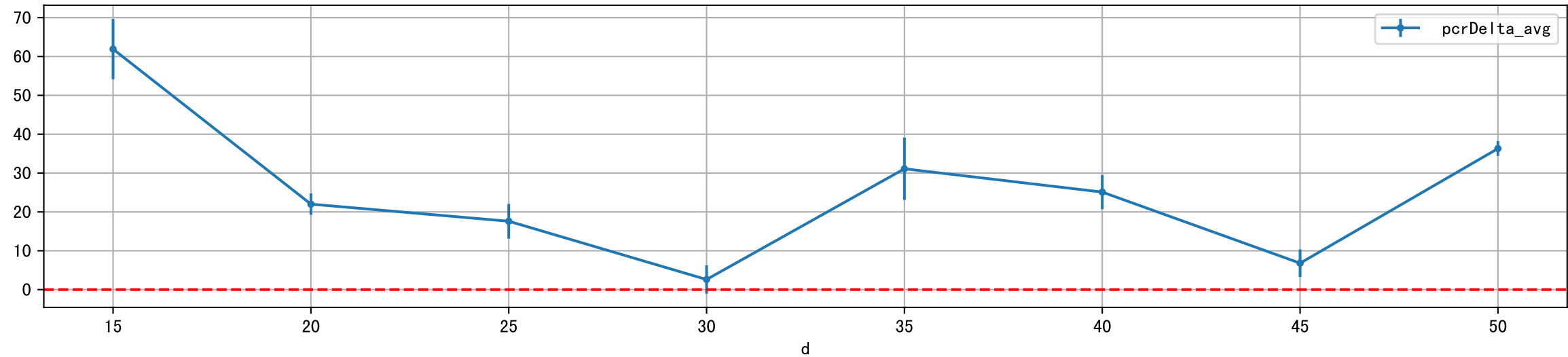
dStH: D_15d_StH



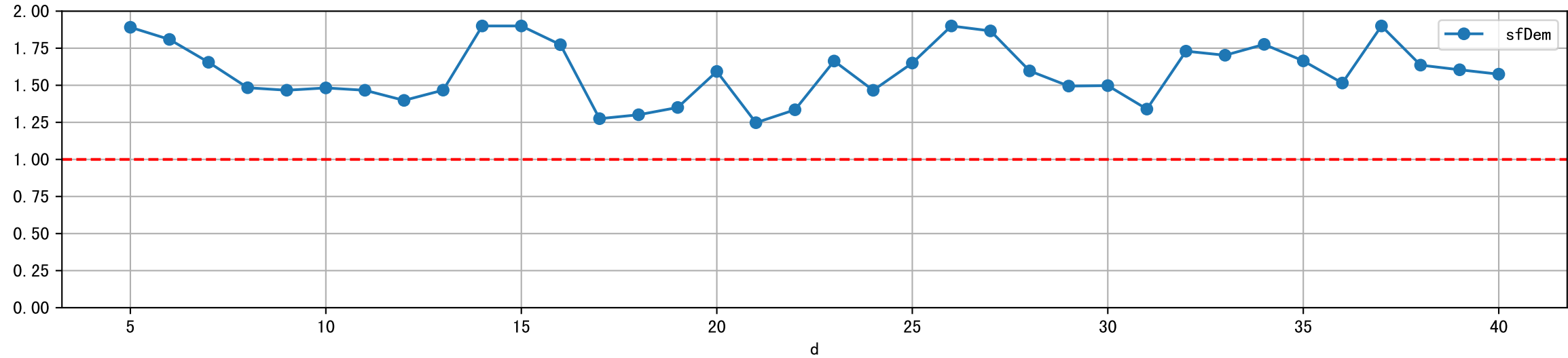
dStH: D_Q50_StH

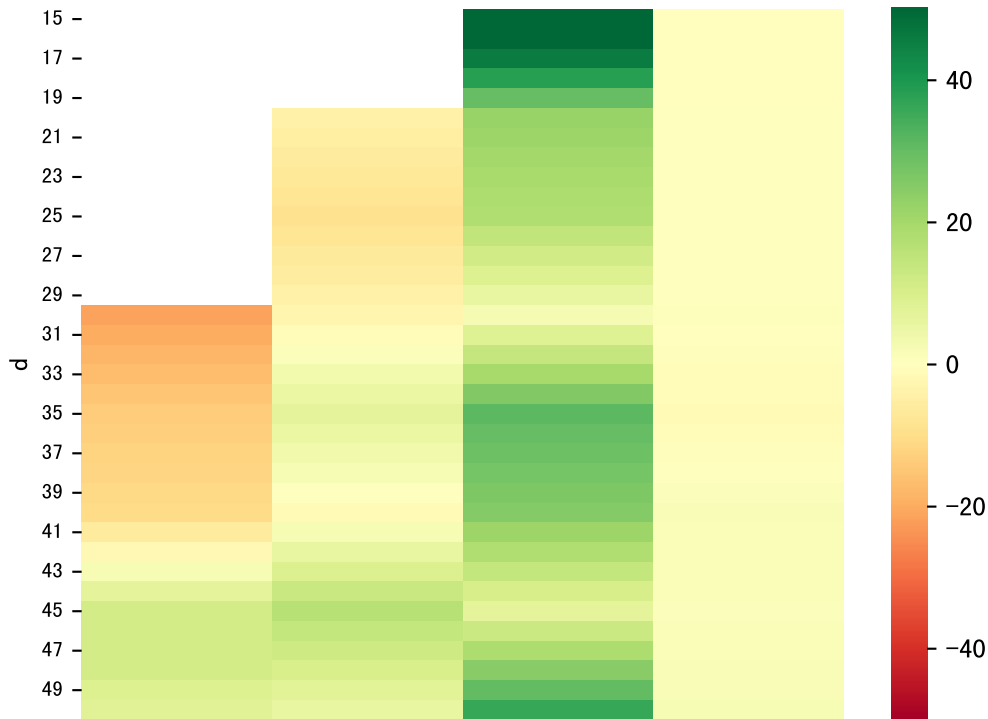


dStH: D_Est_StH



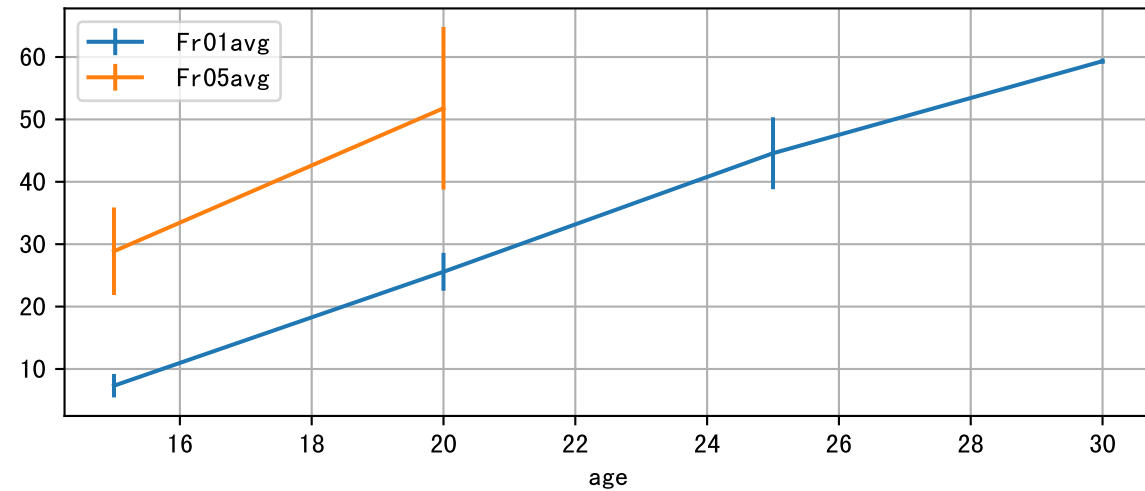
dStH: sfDem



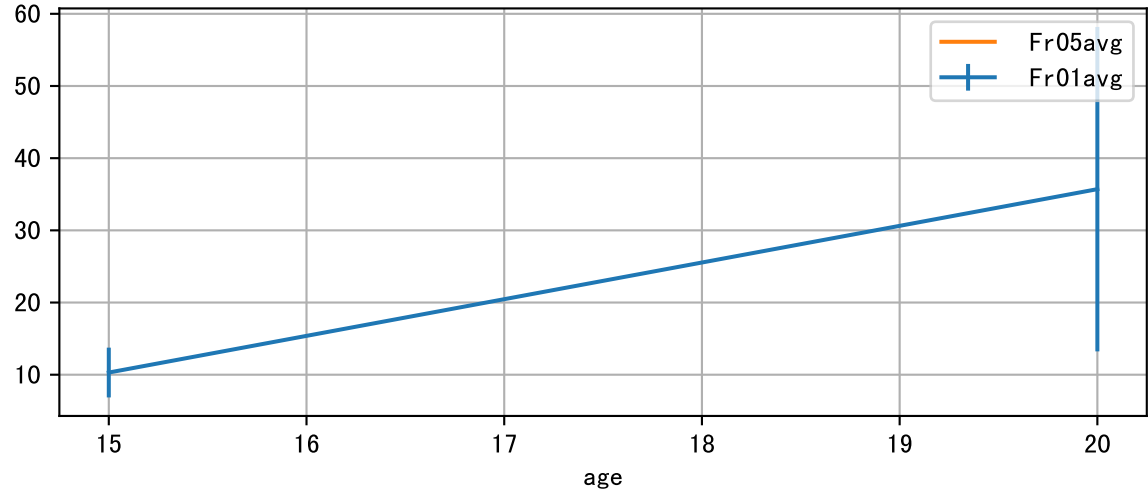


FrV: Fr01 vs Fr05 at each truss

organID=T01

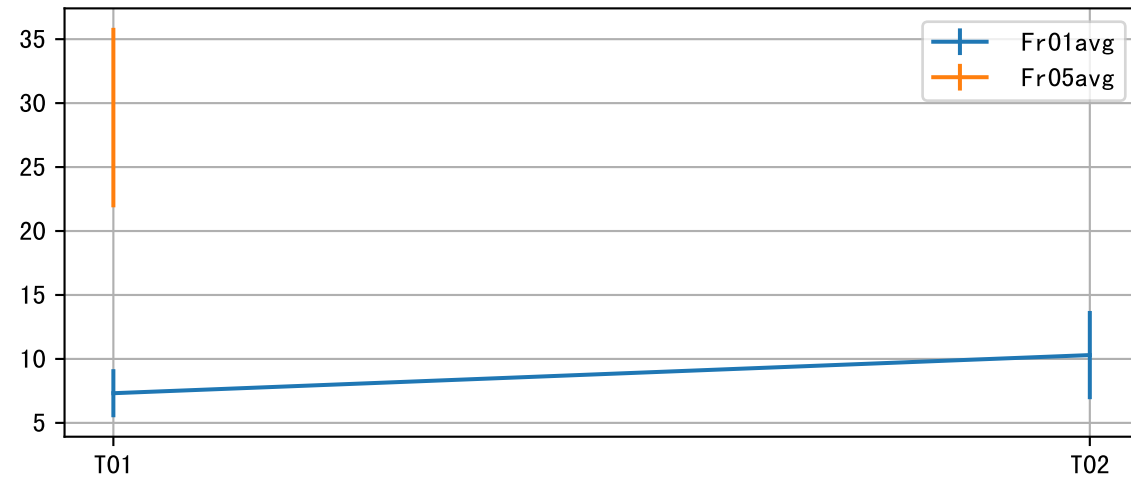


organID=T02

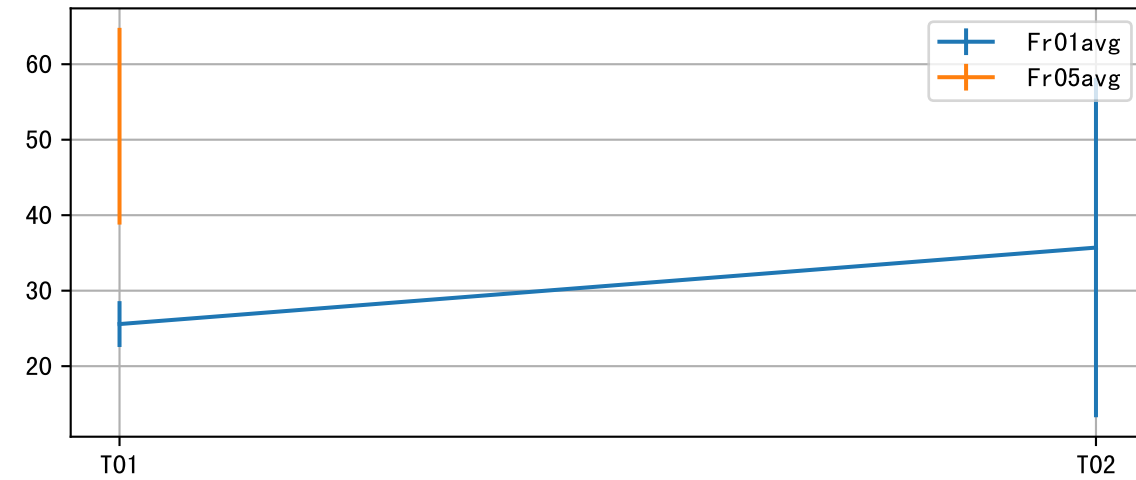
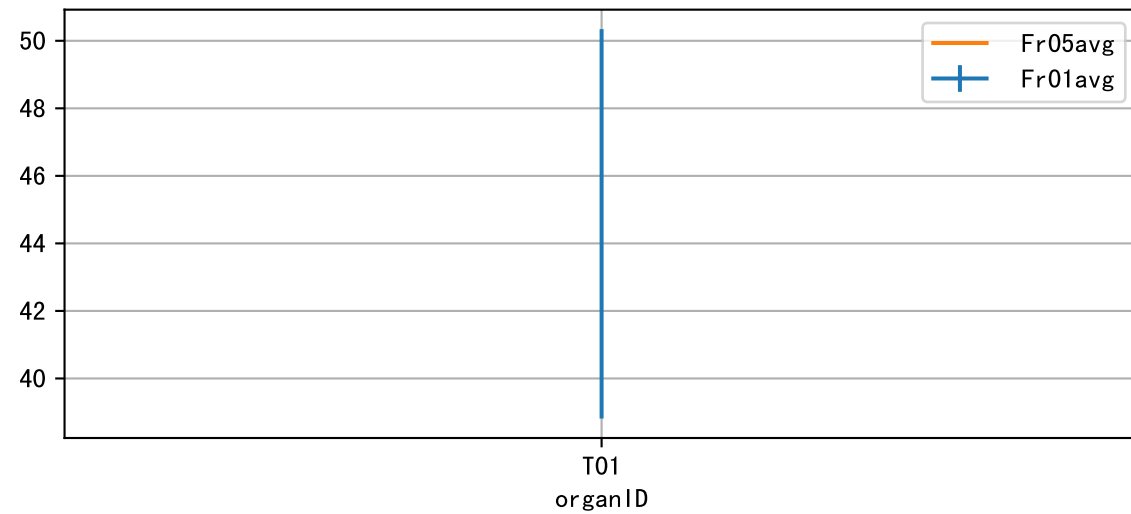
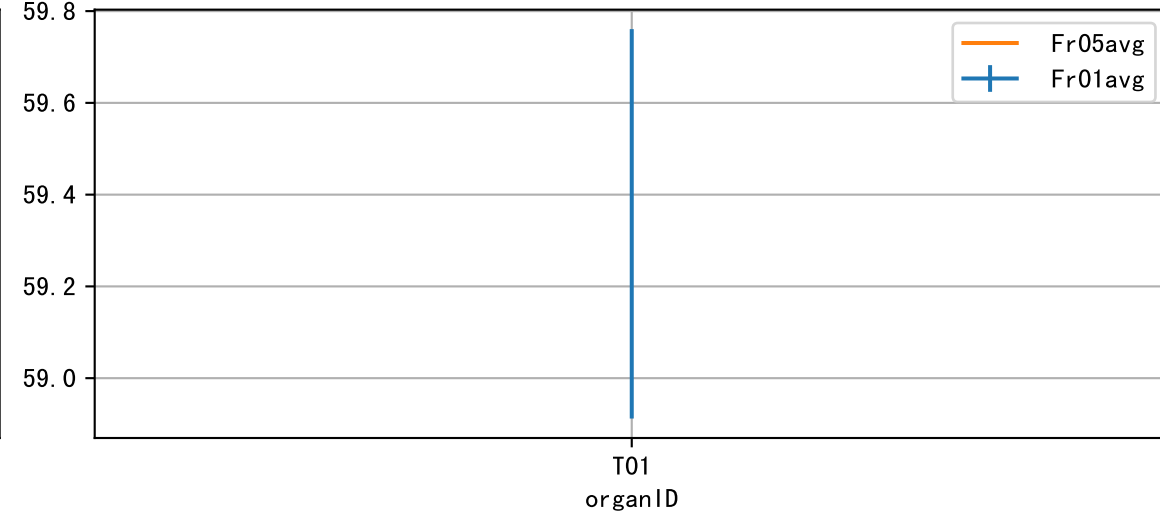


FrV trend at each age

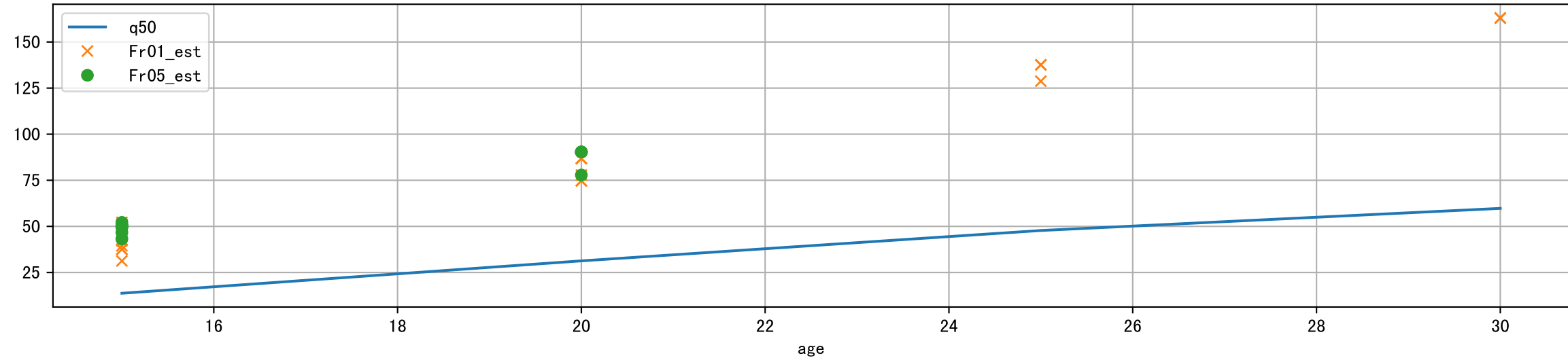
age=15



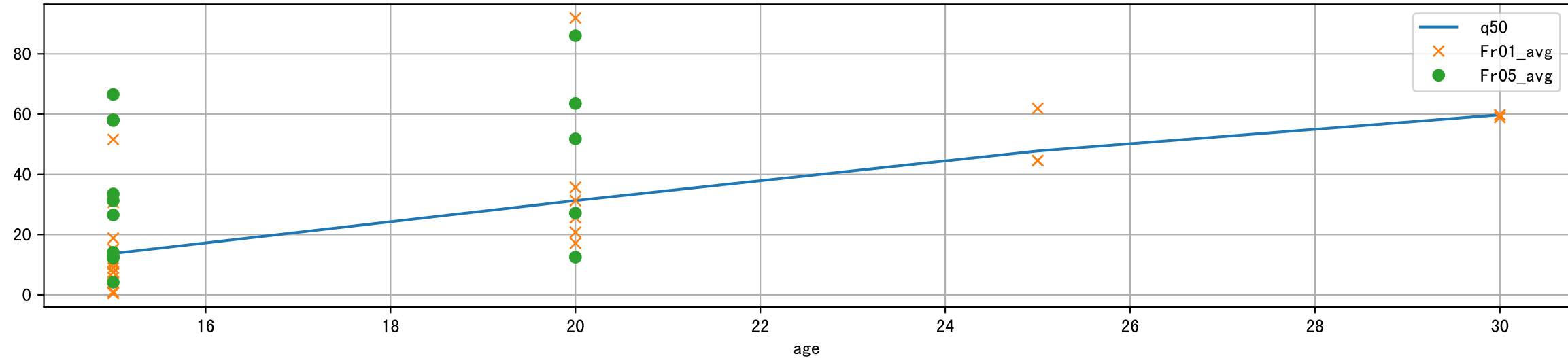
age=20

organID
age=25organID
age=30

FrV: model Est vs obsFrV at Q90

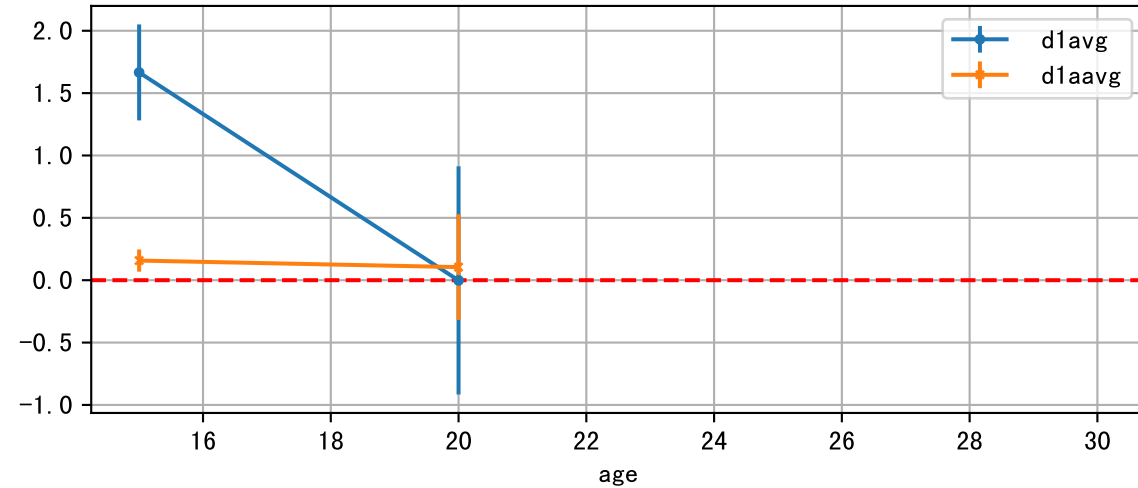


FrV: obsFrV vs obsFrV@Q90

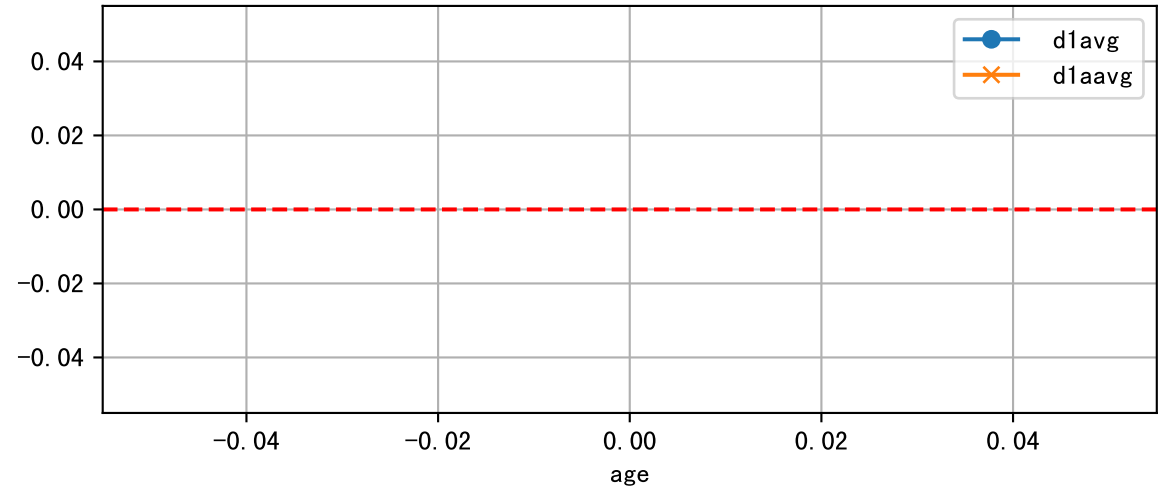


FrV: D_Fr1_FrV

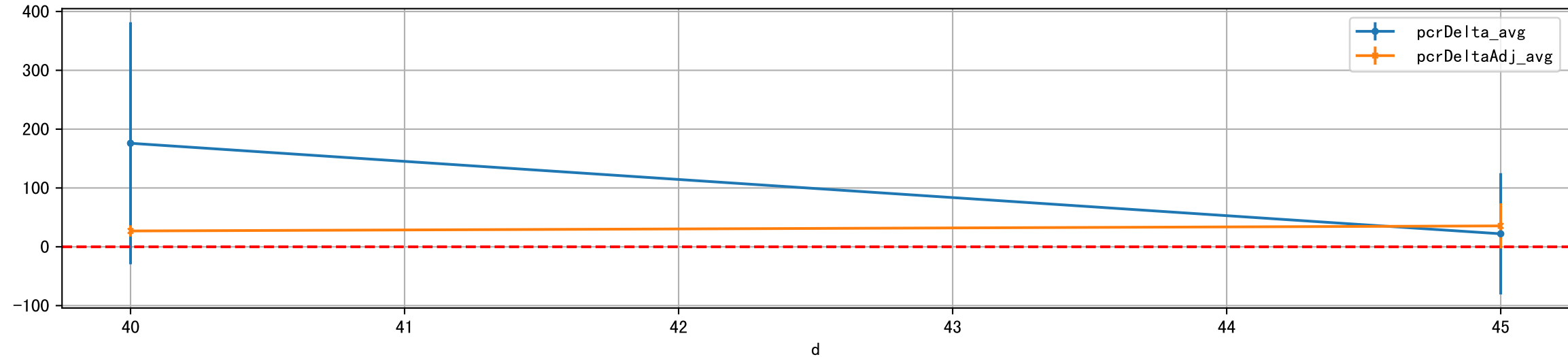
organID=1



organID=2

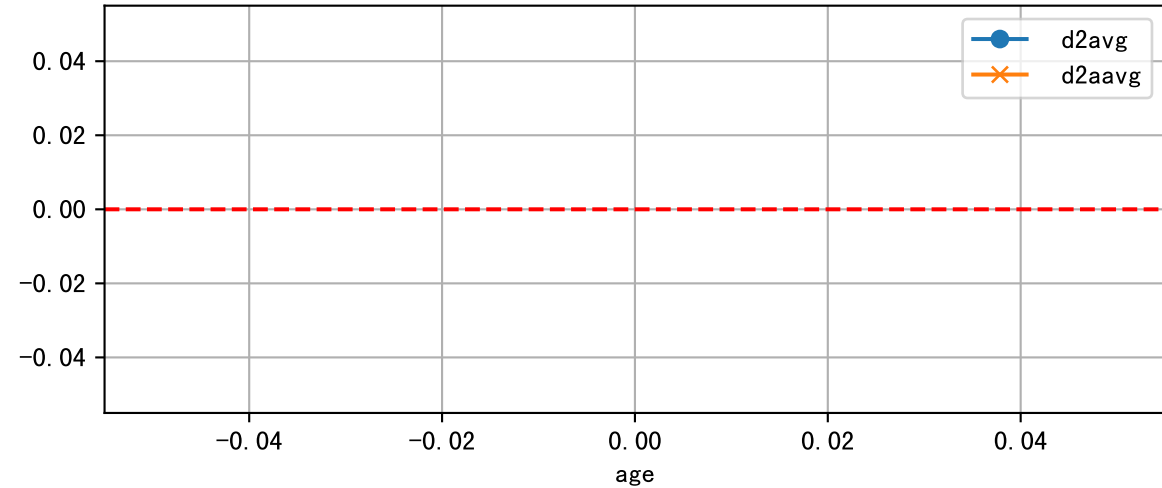


P3-6 FrV: D_Fr1_FrV

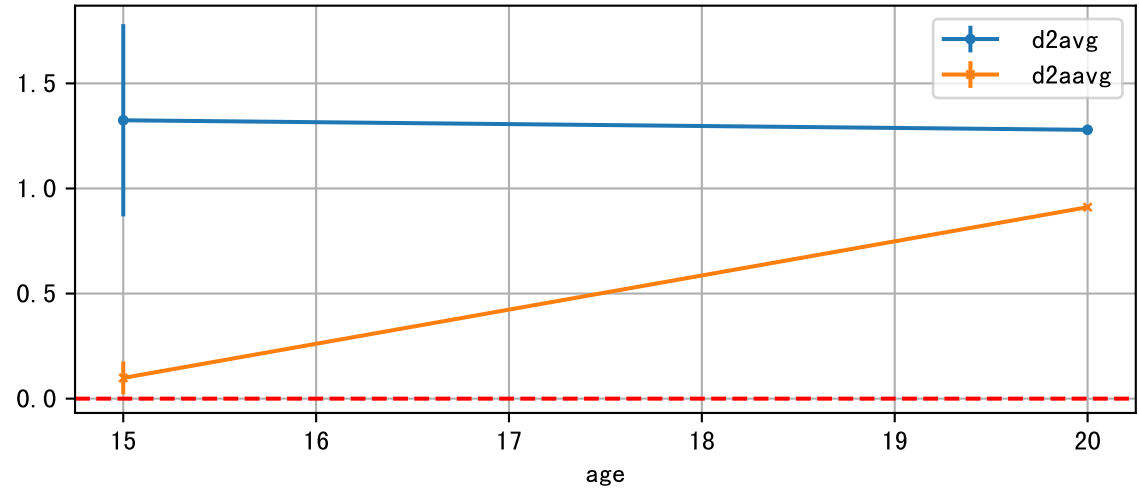


FrV: D_Ts_FrV

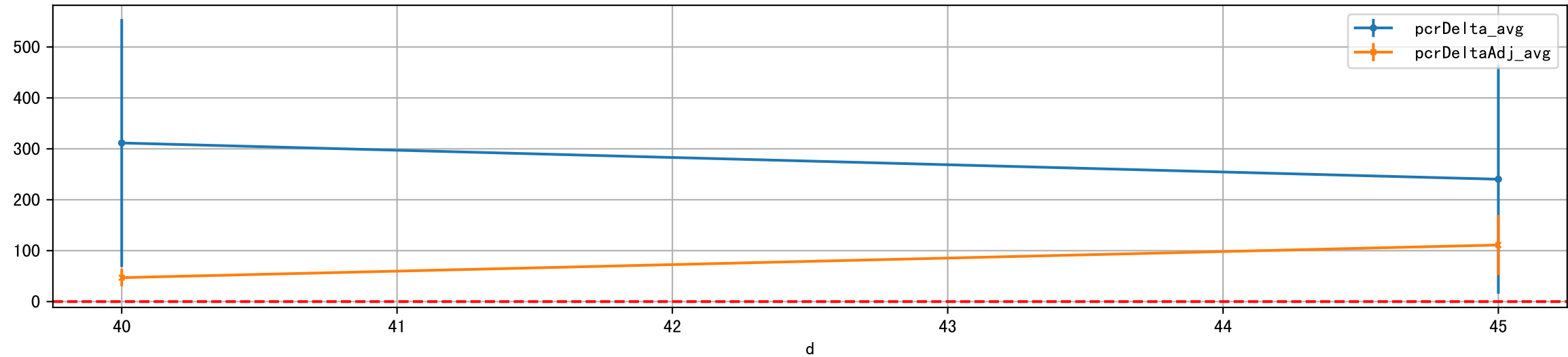
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organID=2

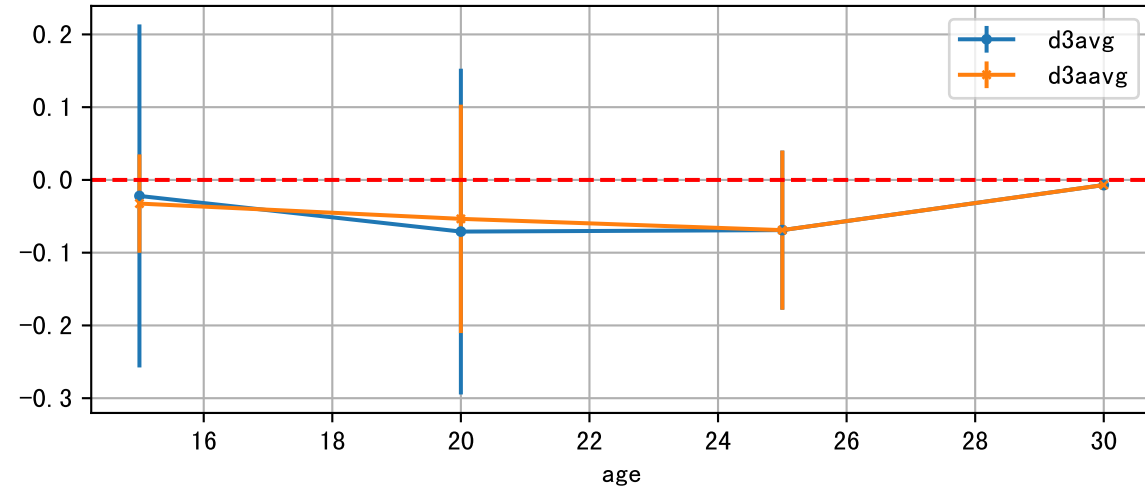


P3-6 FrV: D_Ts_FrV

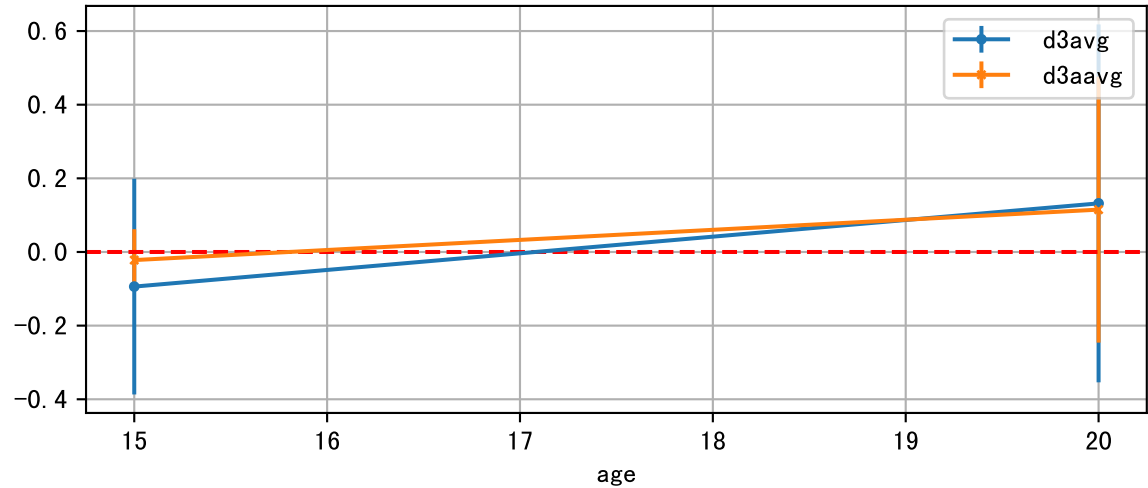


FrV: D_Q50_FrV

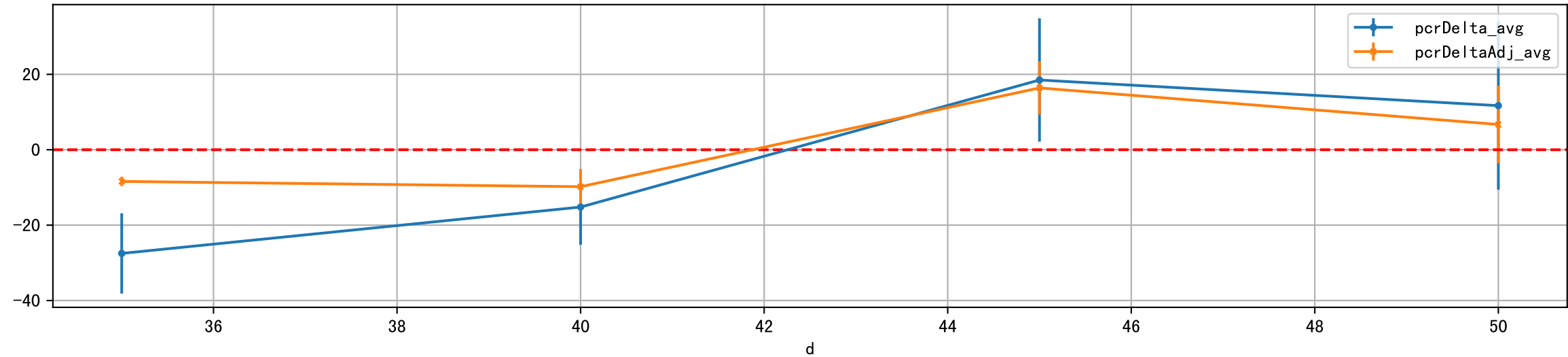
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organID=2

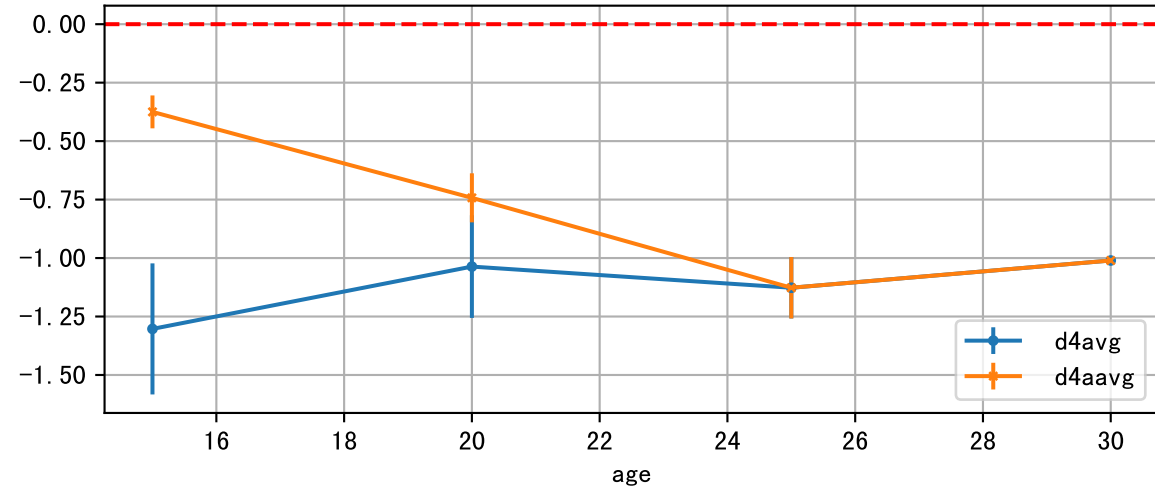


P3-6 FrV: D_Q50_FrV

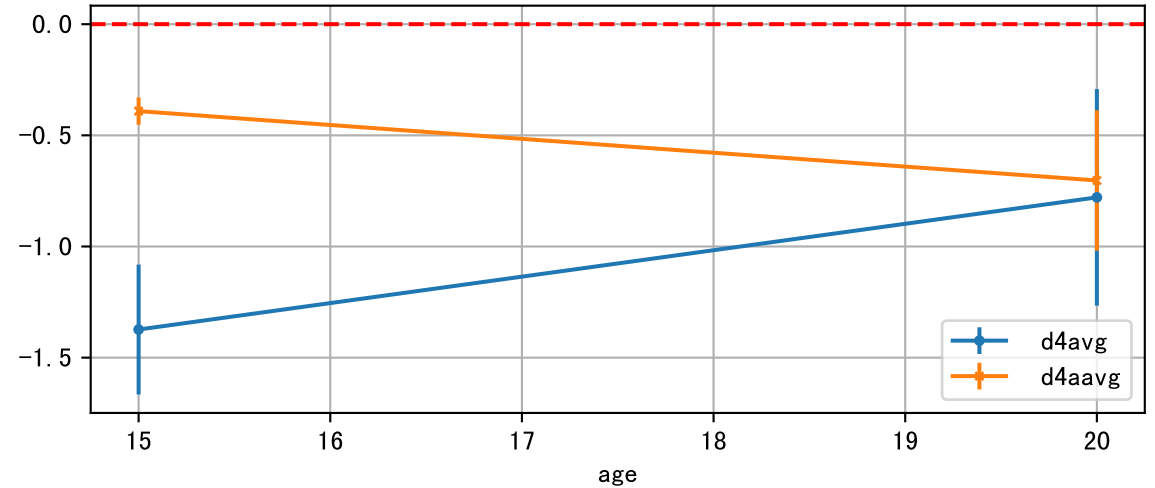


FrV: D_Est_FrV

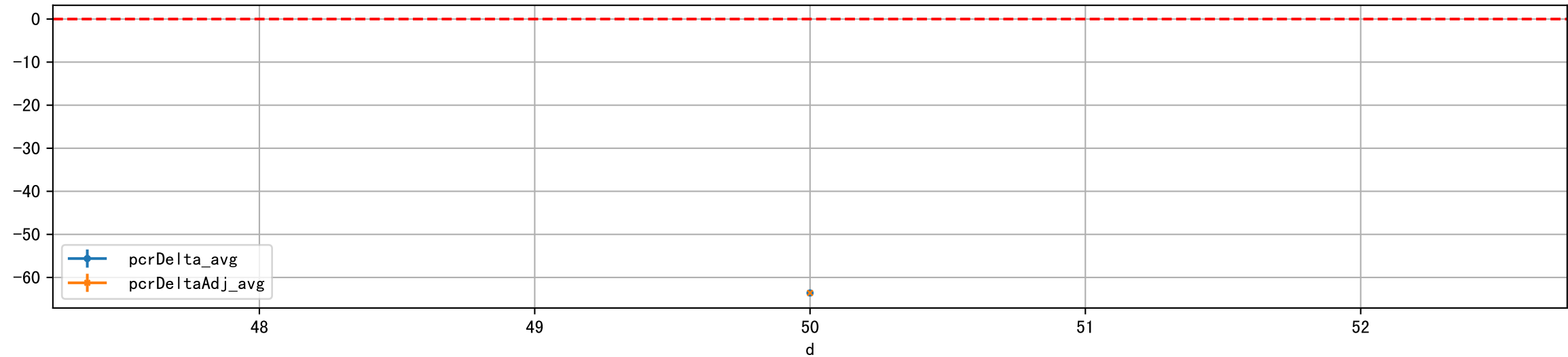
organID=1



organID=2



P3-6 FrV: D_Est_FrV



P3-6 FrV: sfDem

