

Phenotype Data Analysis Plots

PhenoData day range = 12 – 53

Analysis cutoff day = 53

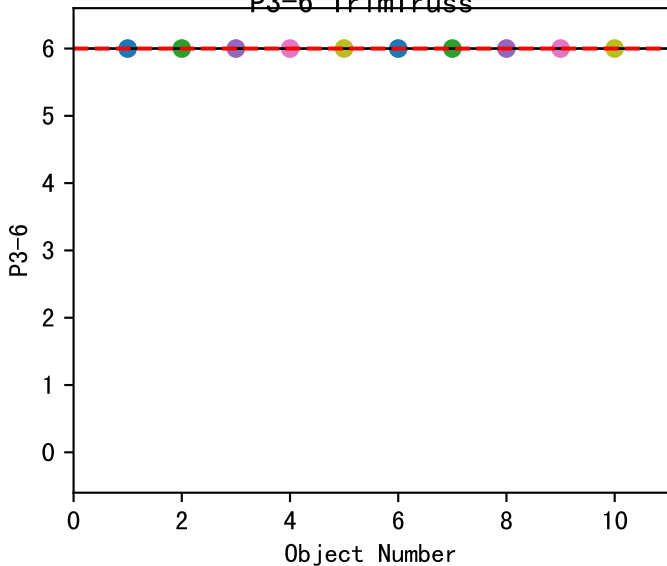
NC11 P3–6

2025-05-22 (Day 54)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0 ~0% avg2=na

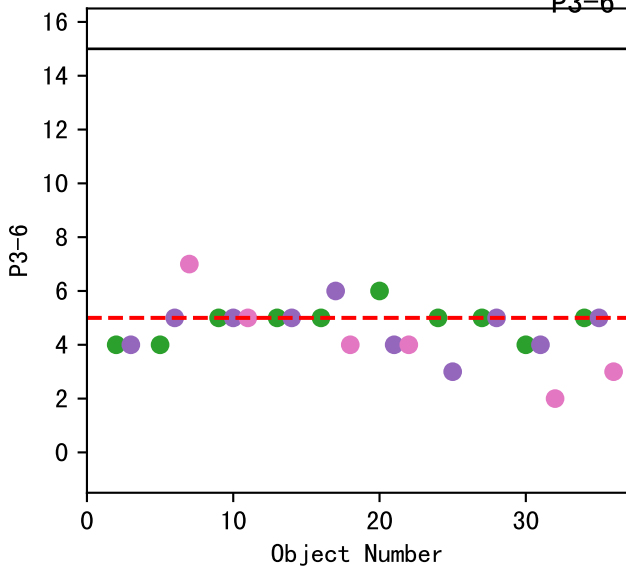
P3-6 TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

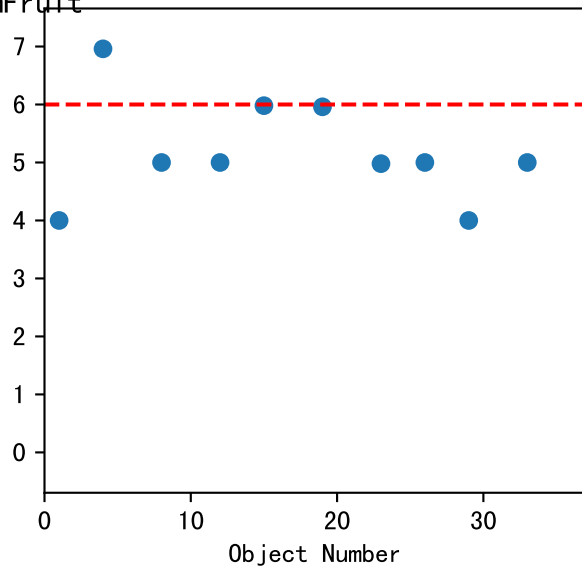
avg1=5.0~16% avg2=na

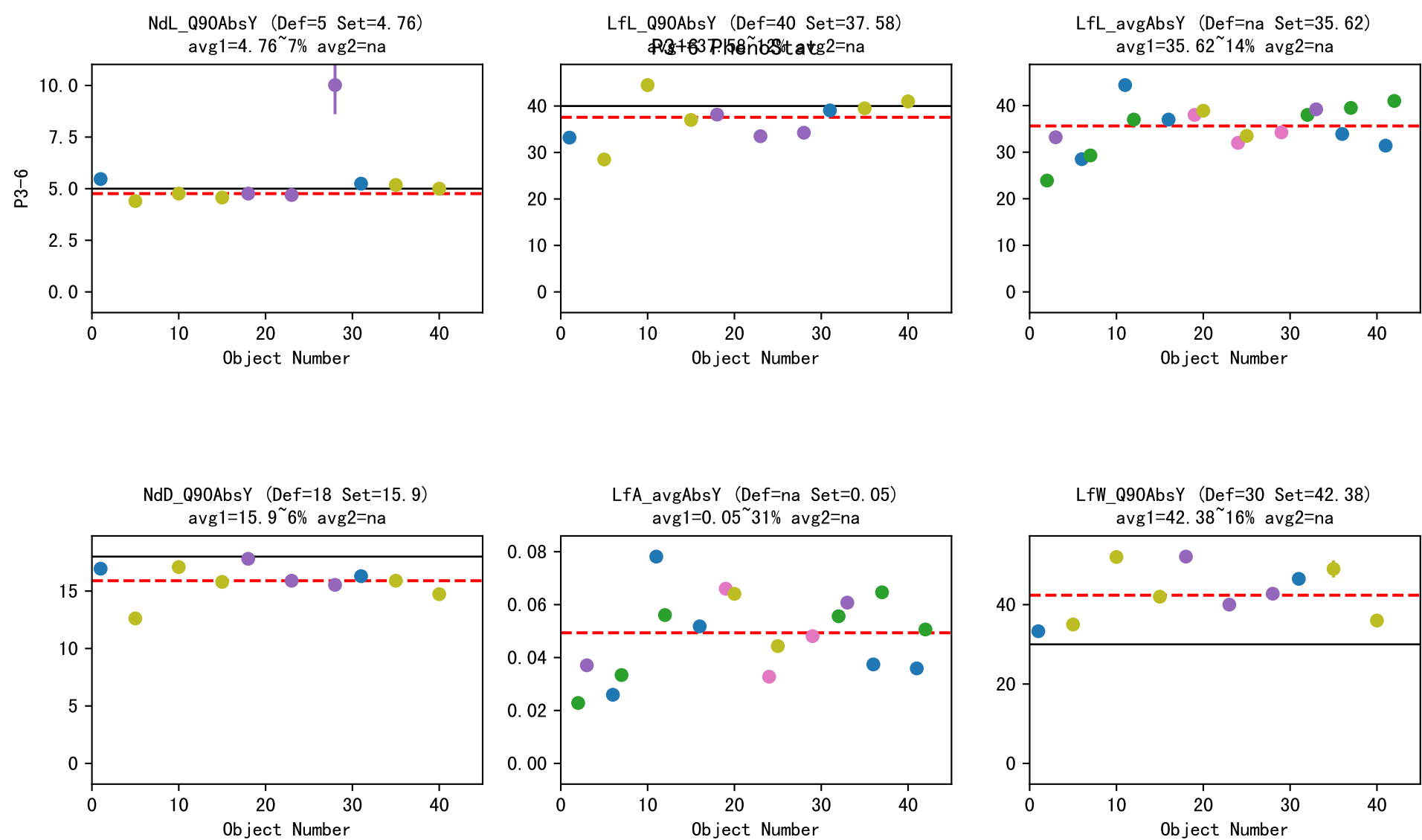
P3-6 TrimFruit



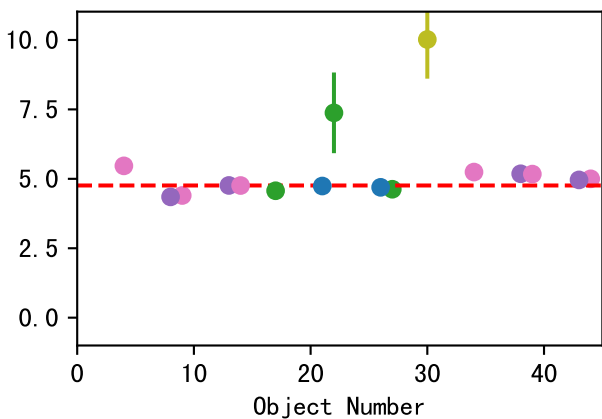
FruitNumMaxPerTruss (Def=na Set=6)

avg1=6.0~12% avg2=na

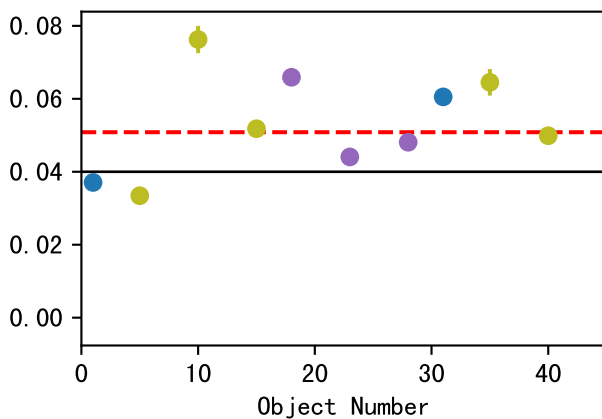




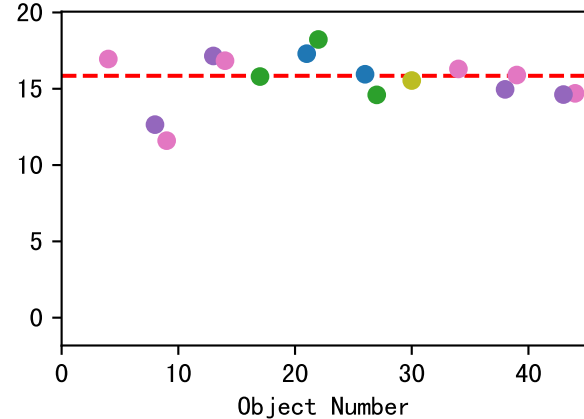
NdL_avgAbsY (Def=na Set=4.76)
avg1=4.76~7% avg2=na



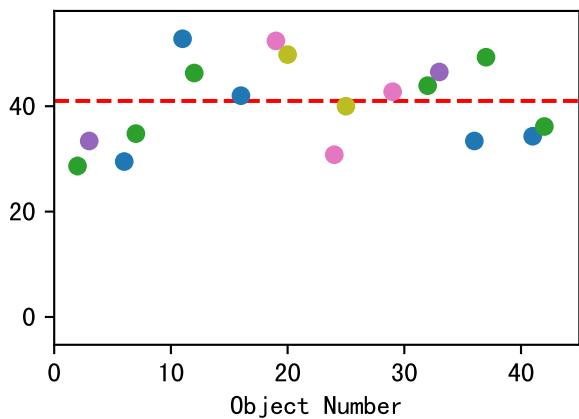
LfA_Q90AbsY (Def=0.04 Set=0.05)
avg1=0.05~27% avg2=na



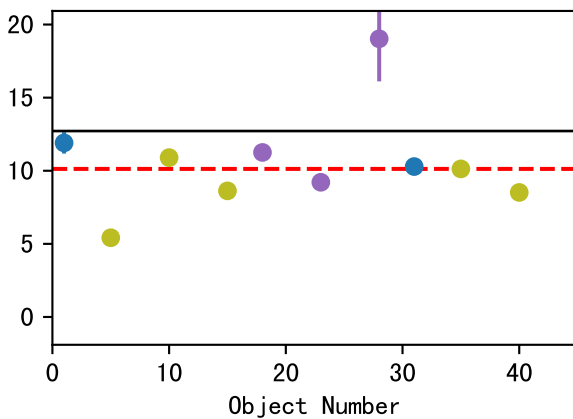
NdD_avgAbsY (Def=na Set=15.85)
avg1=15.85~11% avg2=na



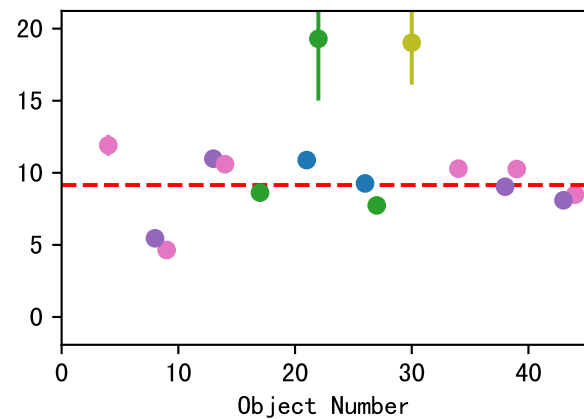
LfW_avgAbsY (Def=na Set=41.0)
avg1=41.0~20% avg2=na



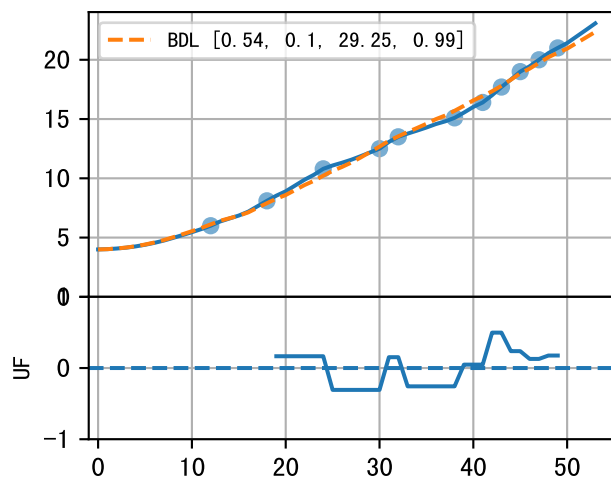
NdV_Q90AbsY (Def=12.72 Set=10.13)
avg1=10.13~19% avg2=na



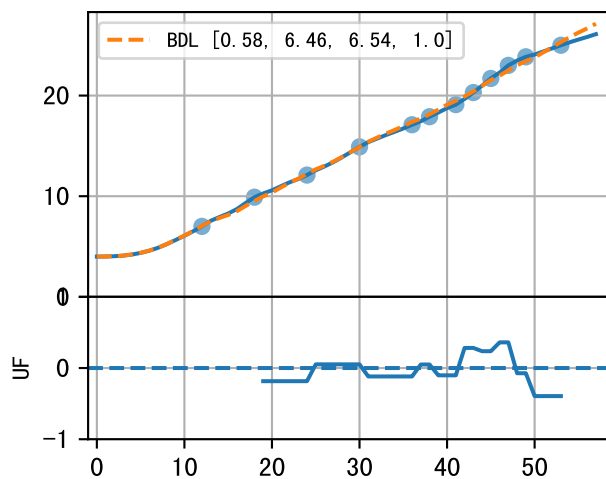
NdV_avgAbsY (Def=na Set=9.15)
avg1=9.15~23% avg2=na



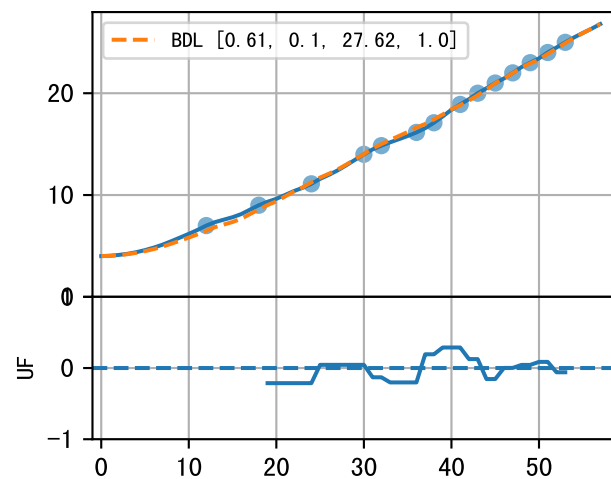
P3-6-003-24 (fit failed)



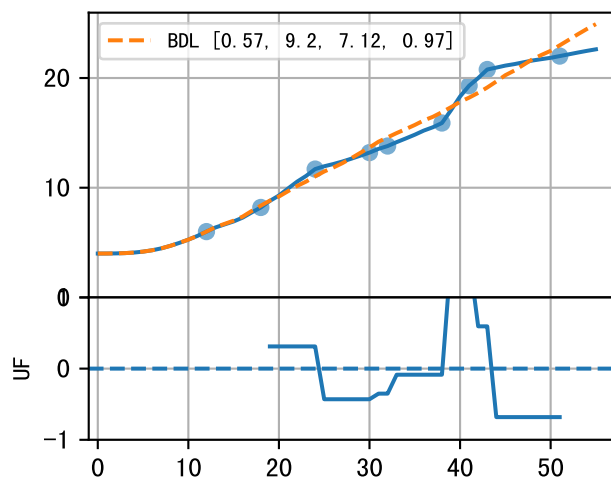
P3-6-007-11 (fit failed)



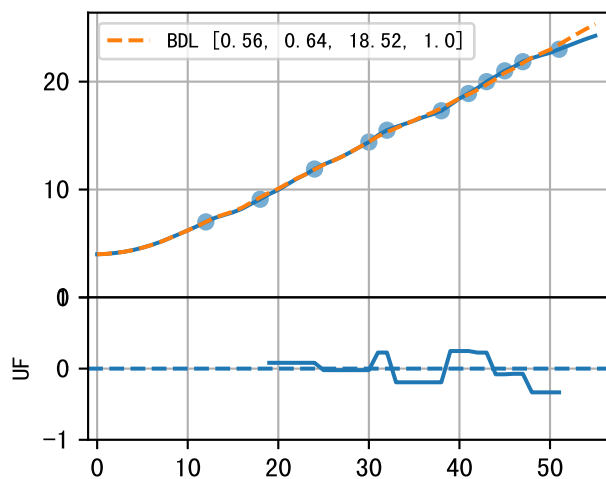
P3-6-011-7 (fit failed)



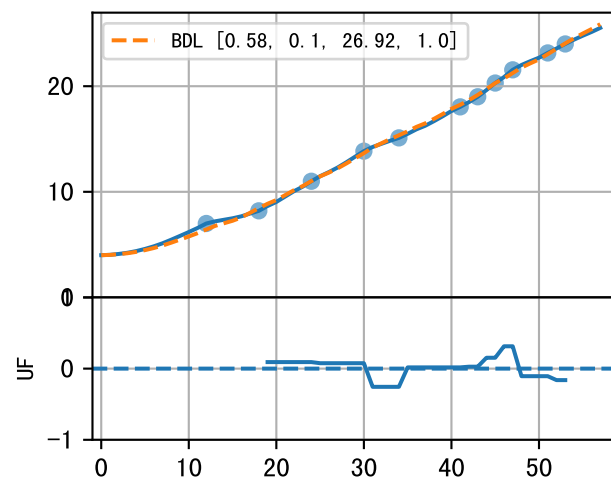
P3-6-015-30 (fit failed)



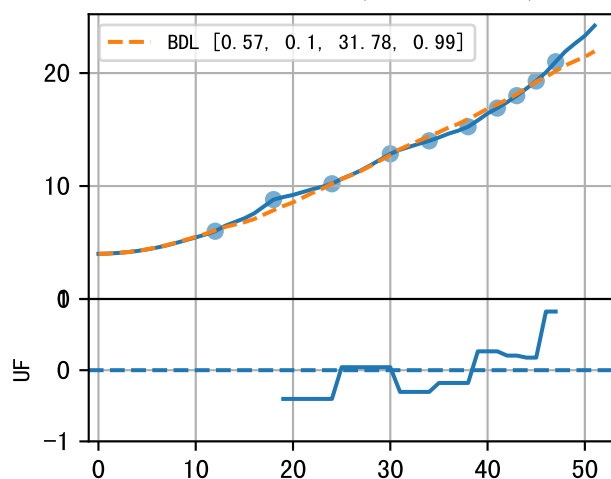
P3-6-019-12 (fit failed)



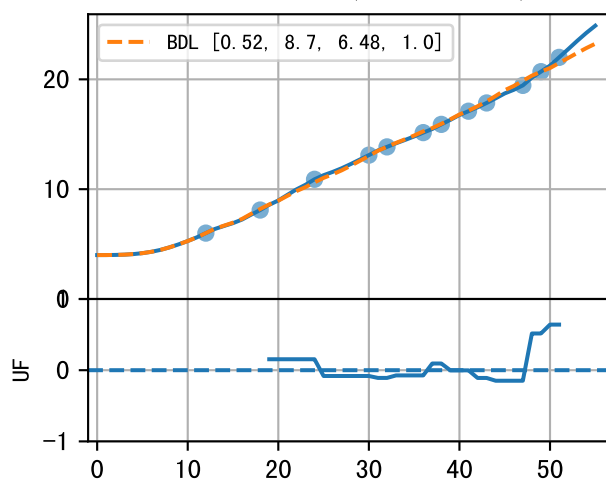
P3-6-024-25 (fit failed)



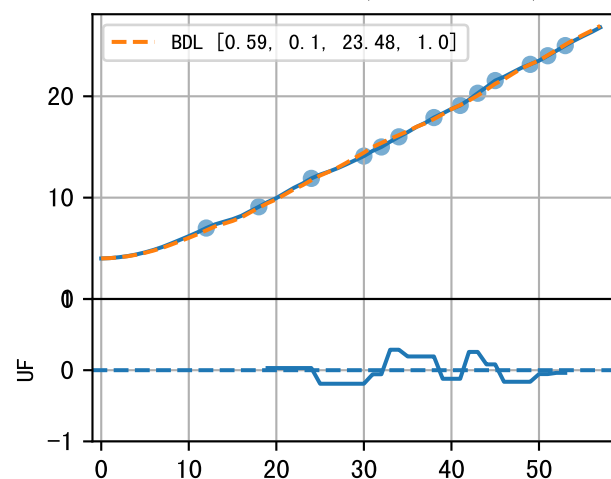
P3-6-028-32 (fit failed)



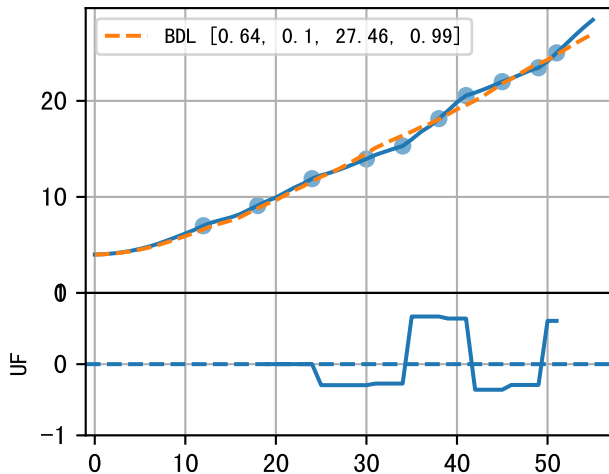
P3-6-033-9 (fit failed)



P3-6-038-21 (fit failed)



P3-6-042-4 (fit failed)

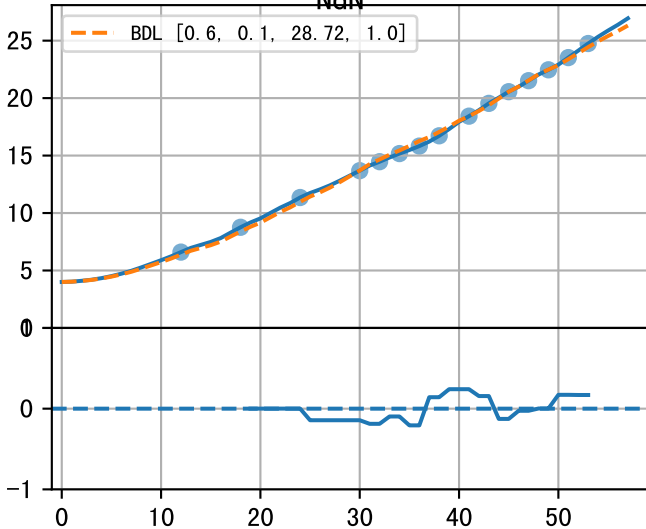


P3-6avg (fit failed)

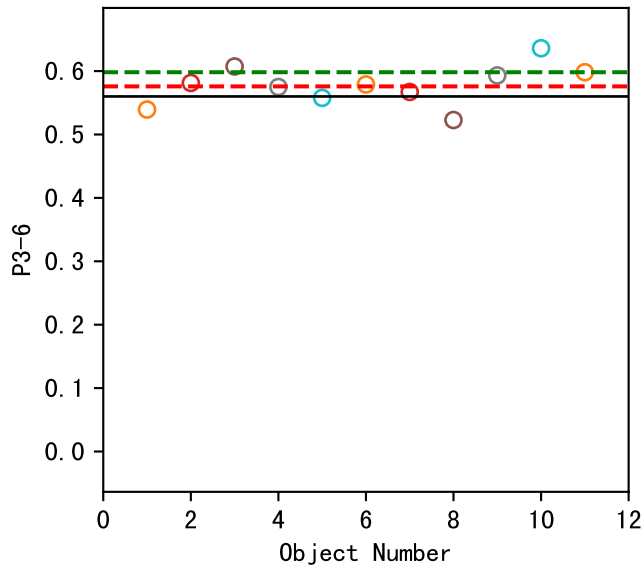
NdN

BDL [0.6, 0.1, 28.72, 1.0]

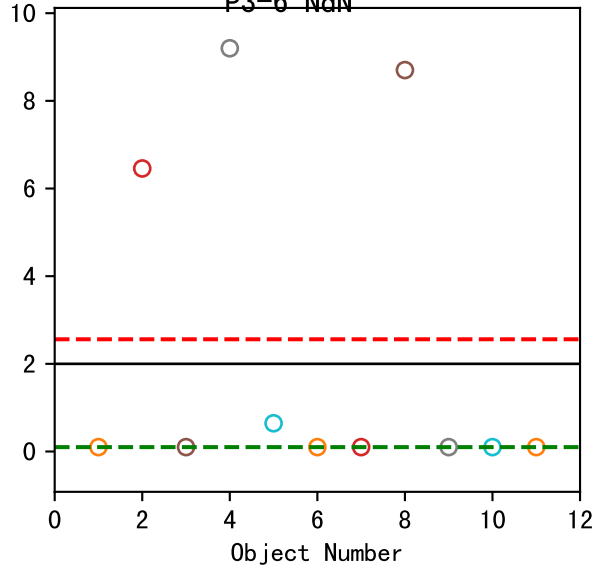
UF



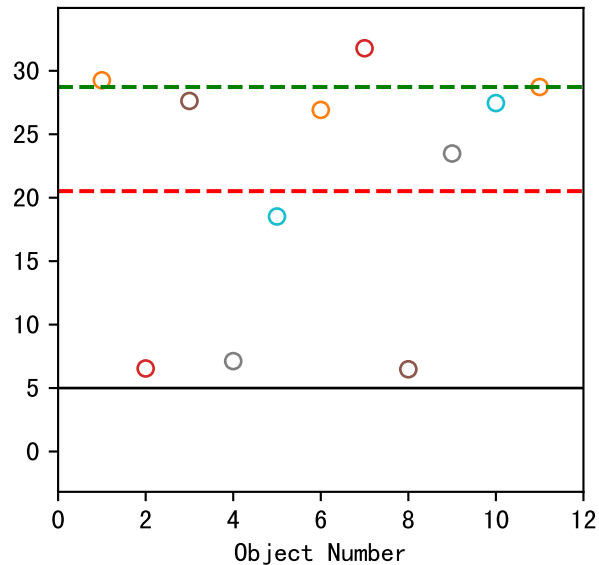
a (Def=0.56 Set=0.6)
avg1=0.58(fail) avg2=0.6



dm (Def=2 Set=0.1)
avg1=2.56(fail) avg2=0.1

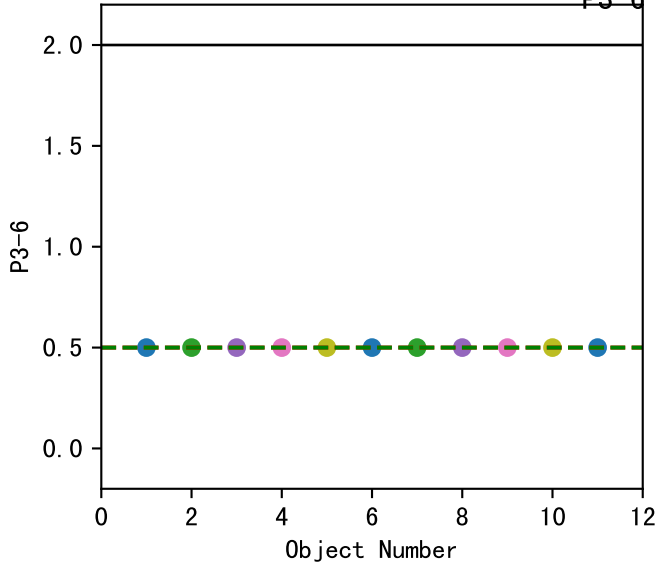


de (Def=5 Set=28.72)
avg1=20.52(fail) avg2=28.72



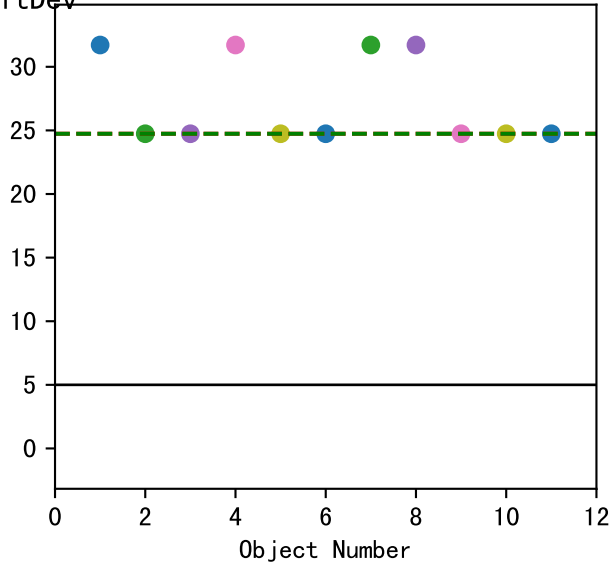
InitDev_dm (Def=2 Set=0.5)
avg1=0.5~0% avg2=0.5

P3-6

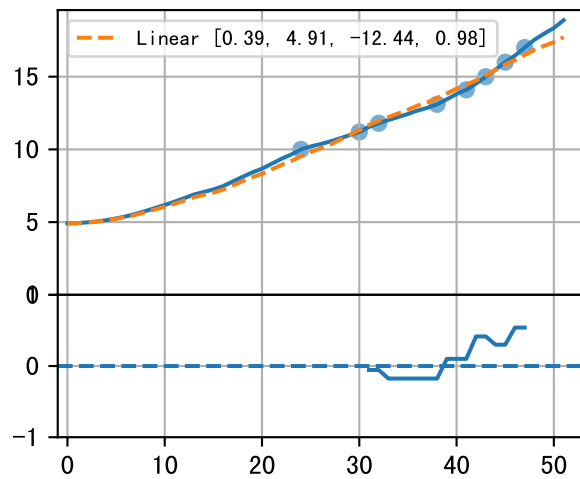


InitDev_de (Def=5 Set=24.74)
avg1=24.74~15% avg2=24.74

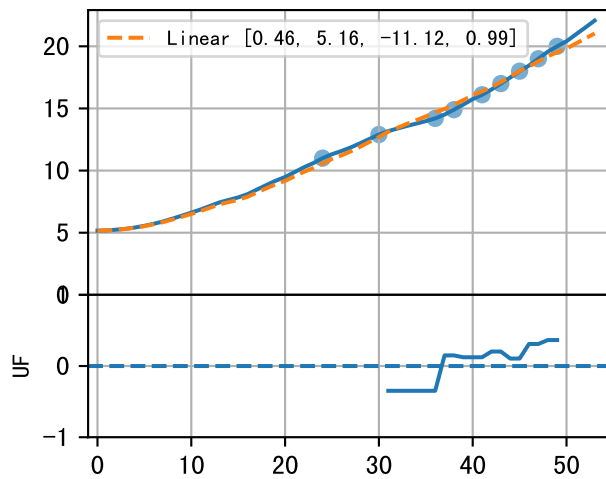
InitDev



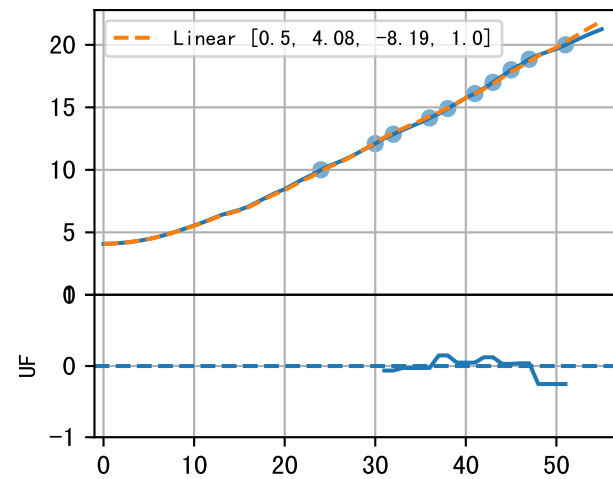
P3-6-003-24



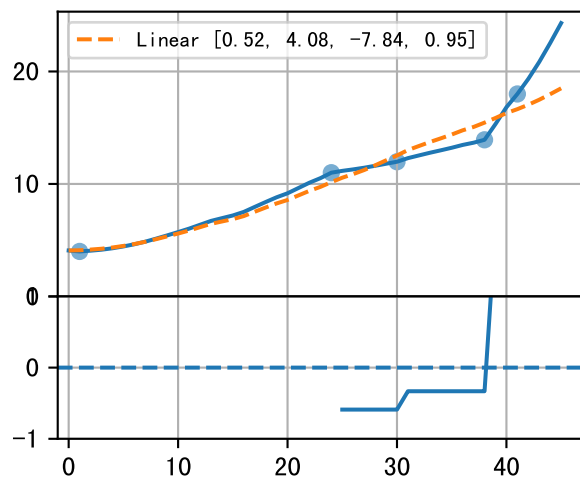
P3-6-007-11



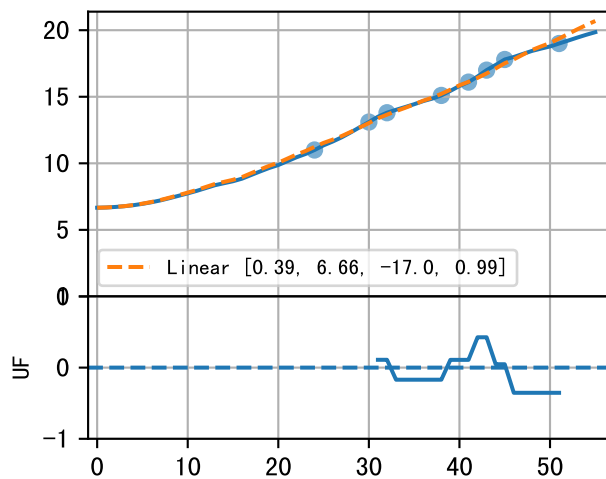
P3-6-011-7



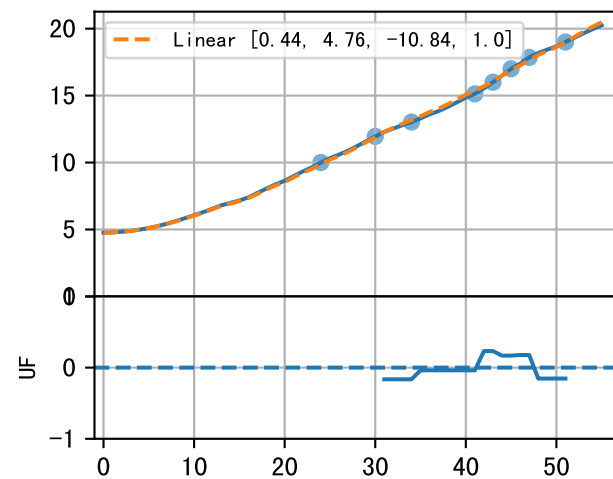
P3-6-015-30



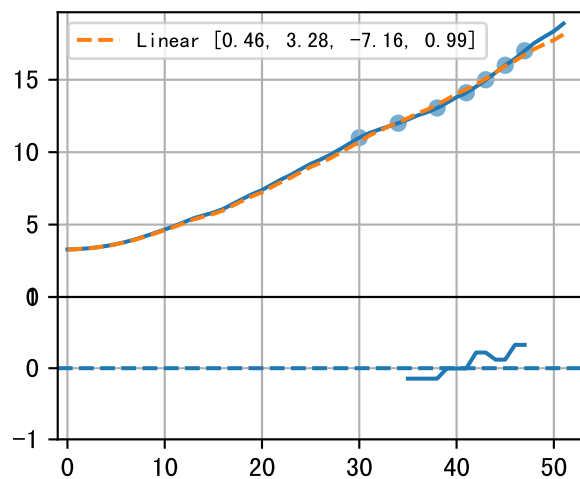
P3-6-019-12



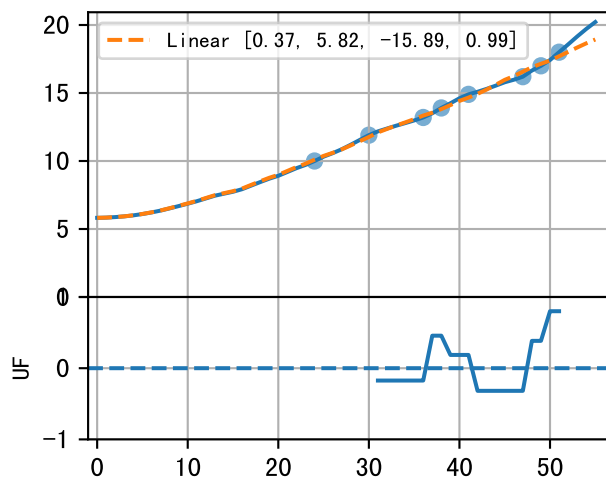
P3-6-024-25



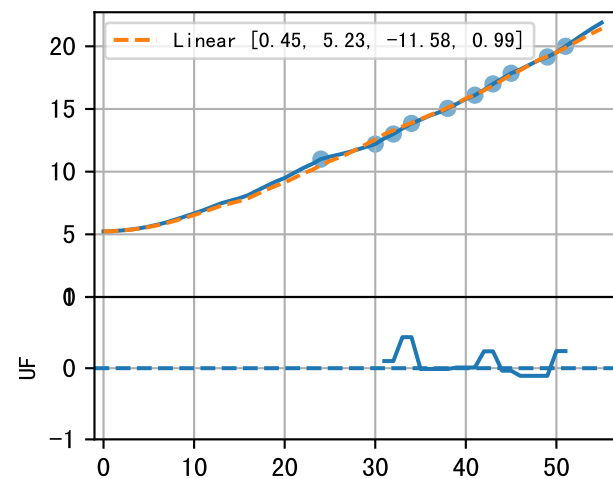
P3-6-028-32



P3-6-033-9

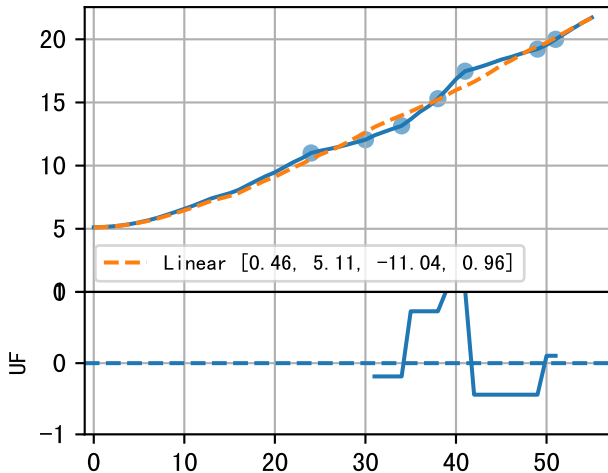


P3-6-038-21



LFN

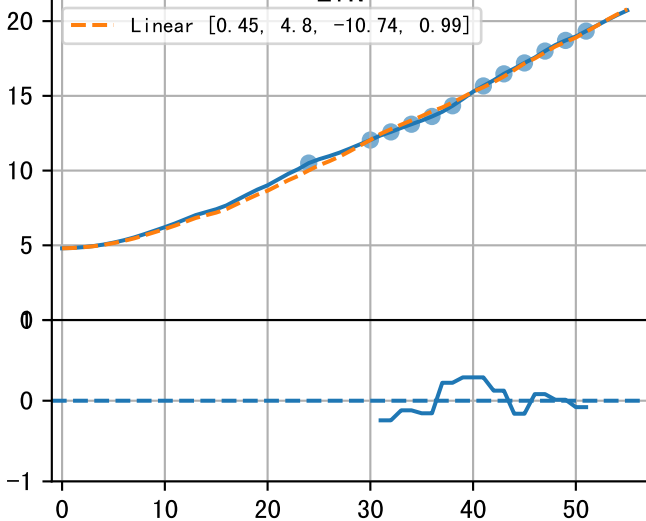
P3-6-042-4



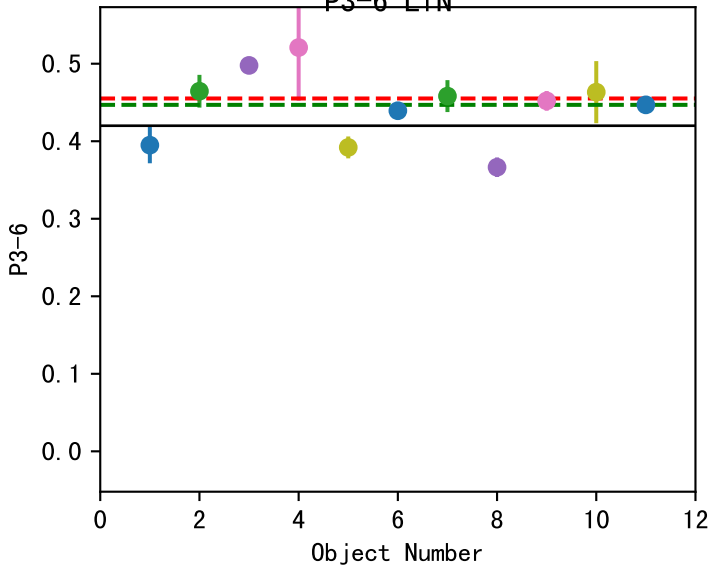
P3-6avg
Lfn

Linear [0.45, 4.8, -10.74, 0.99]

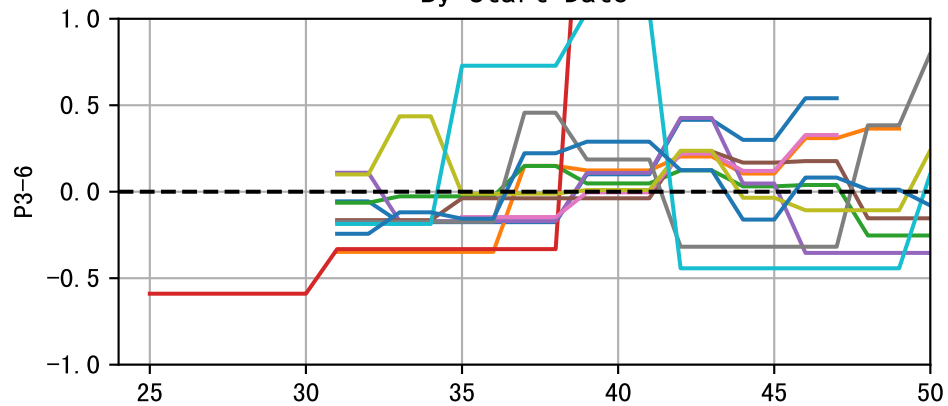
UF



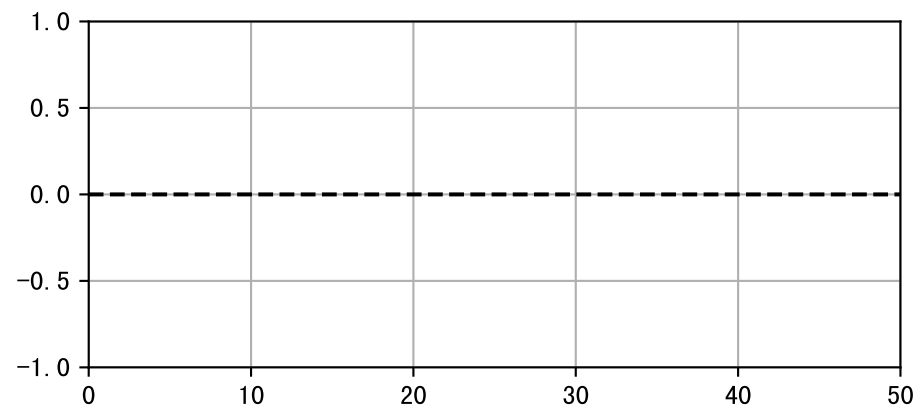
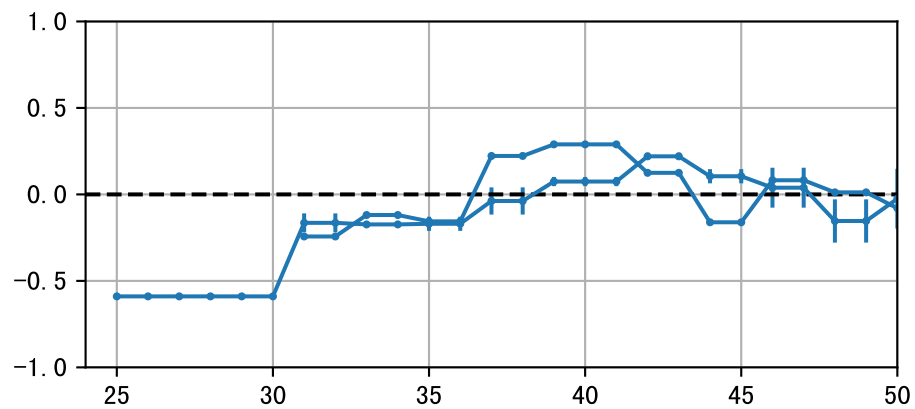
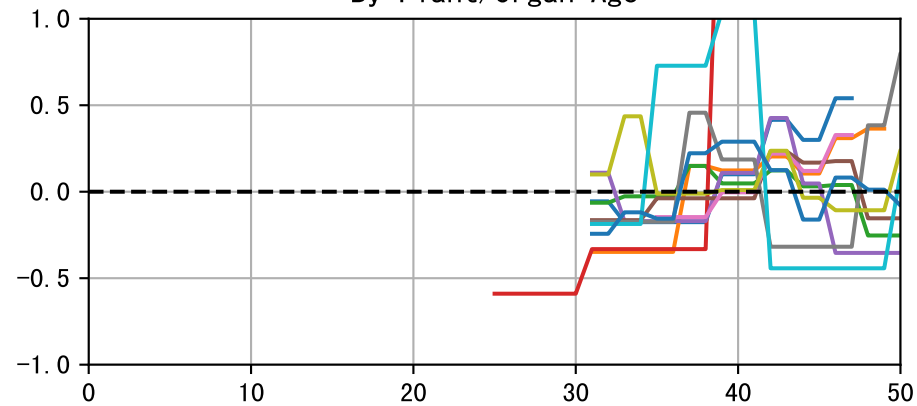
a (Def=0.42 Set=0.45)
avg1=0.46 $\sim$ 11% avg2=0.45 $\sim$ 8%
P3-6 LfN



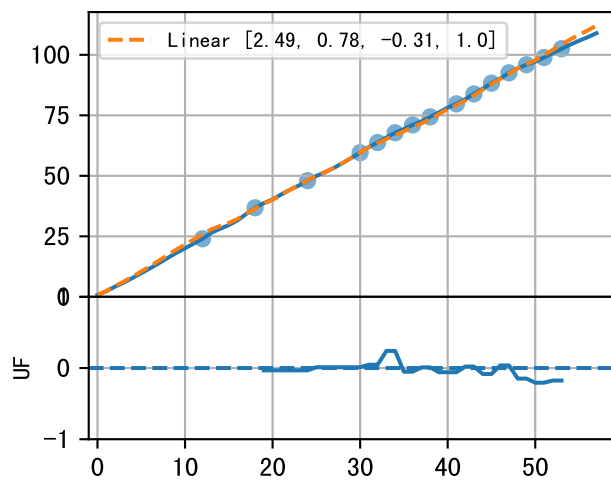
By Start Date



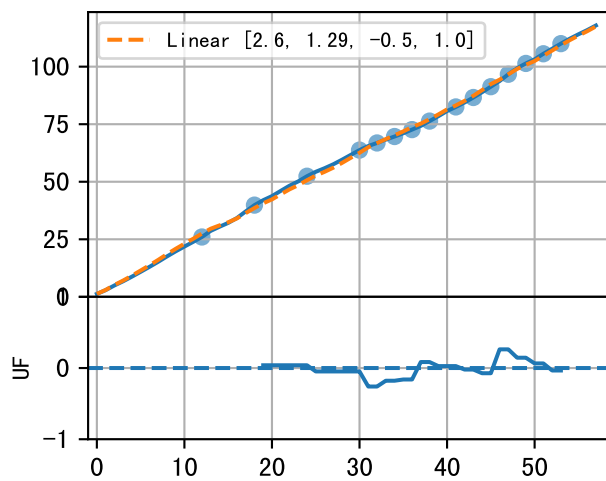
By Plant/Organ Age



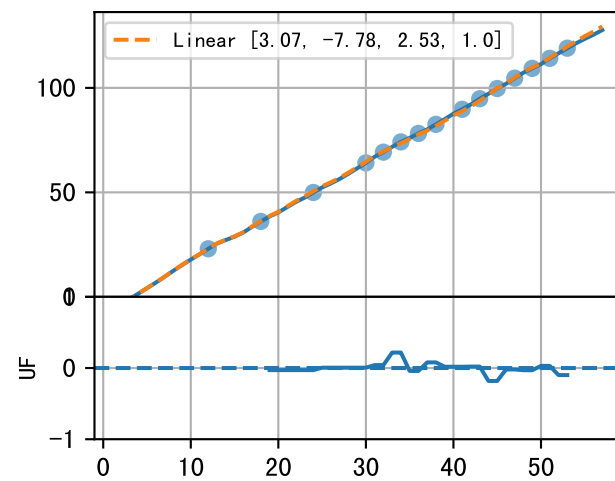
P3-6-003-24



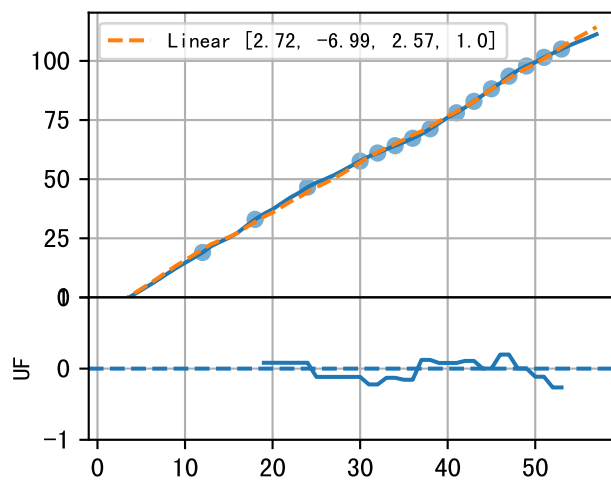
P3-6-007-11



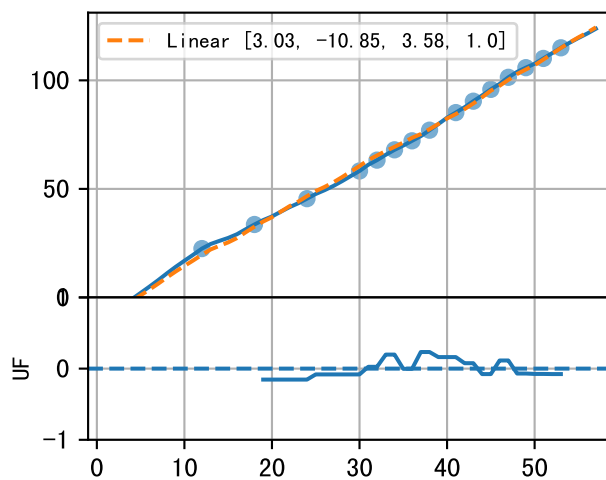
P3-6-011-7



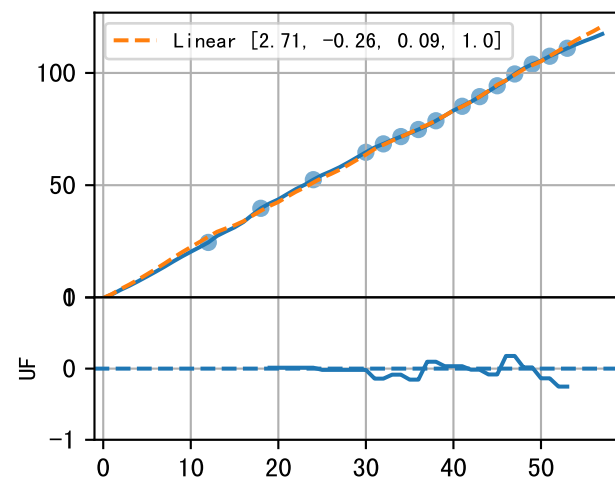
P3-6-015-30



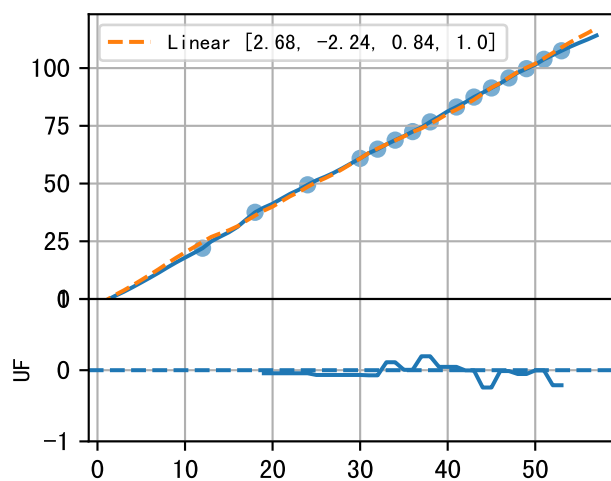
P3-6-019-12



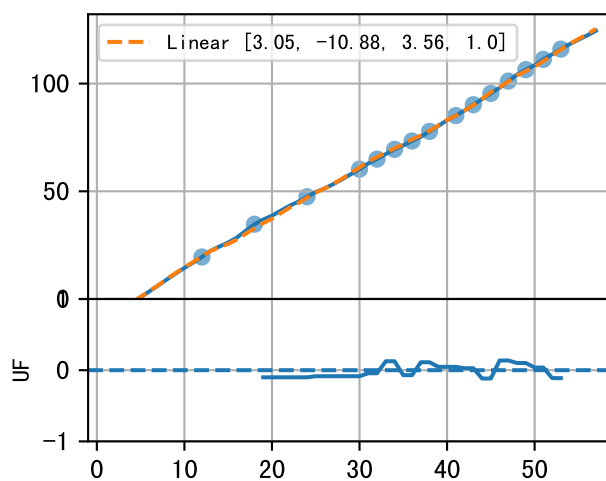
P3-6-024-25



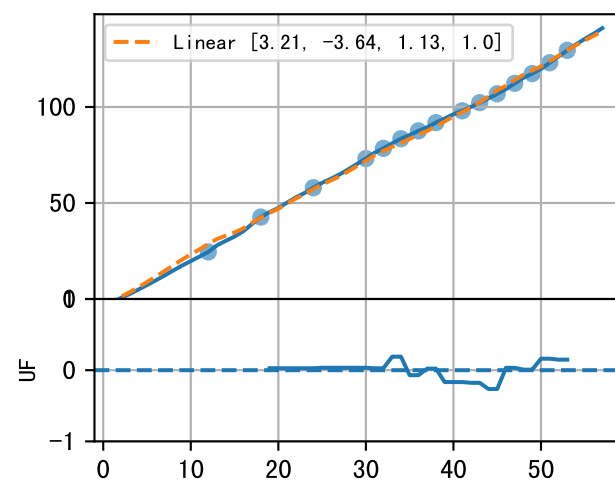
P3-6-028-32



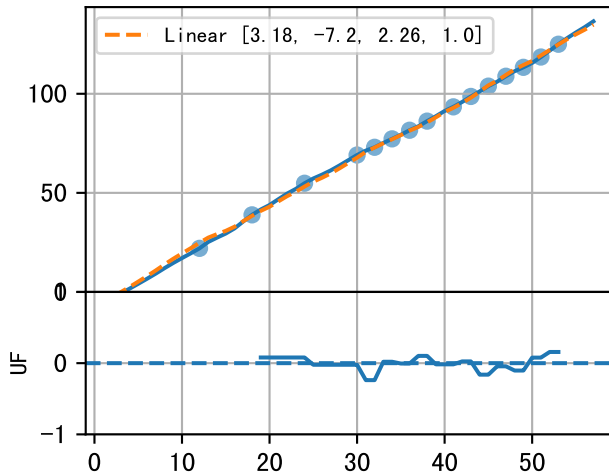
P3-6-033-9

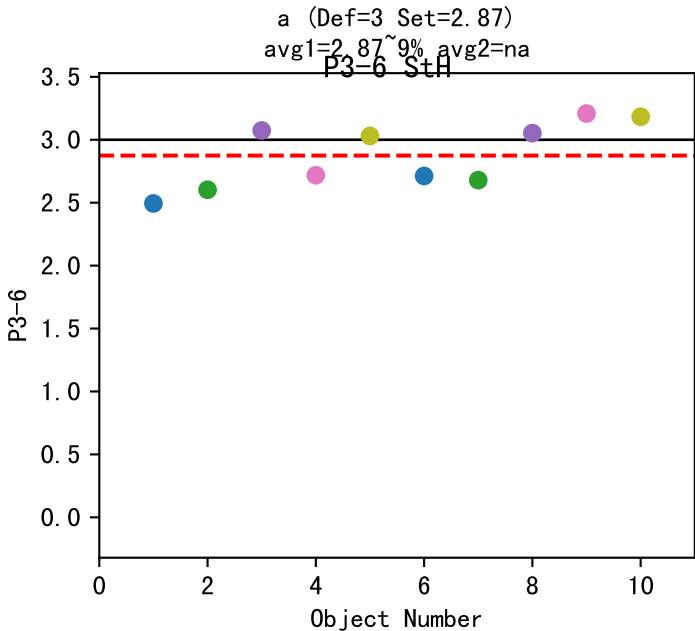


P3-6-038-21



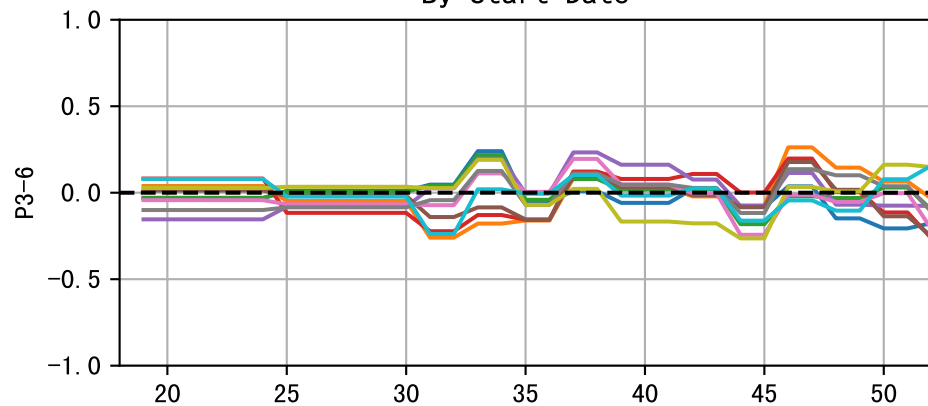
P3-6-042-4



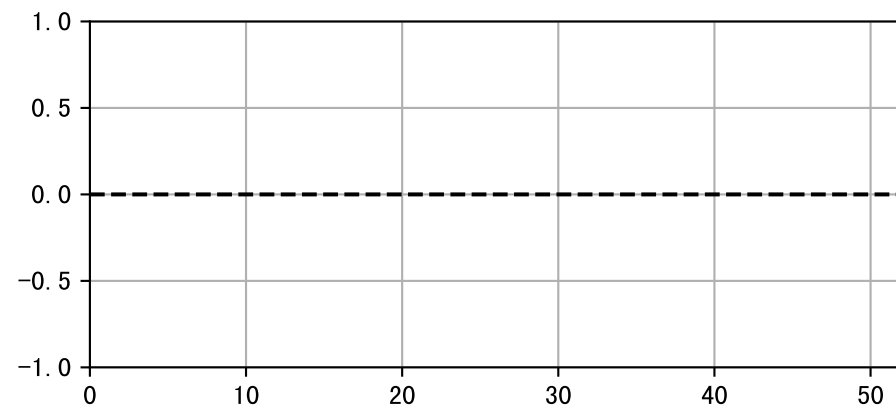
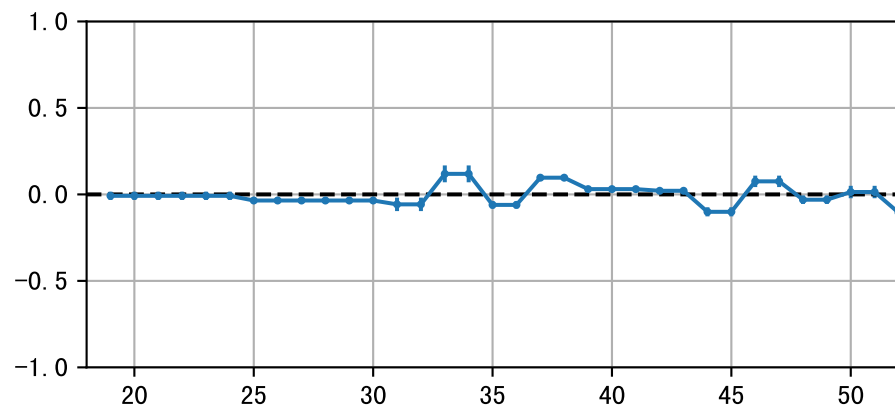
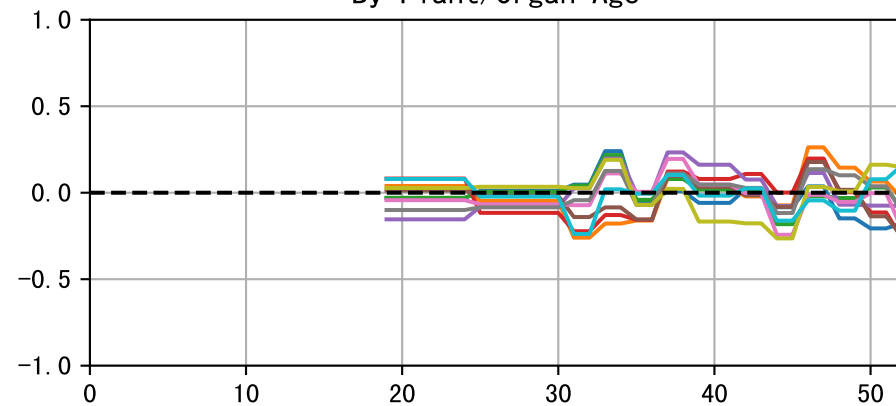


StH

By Start Date

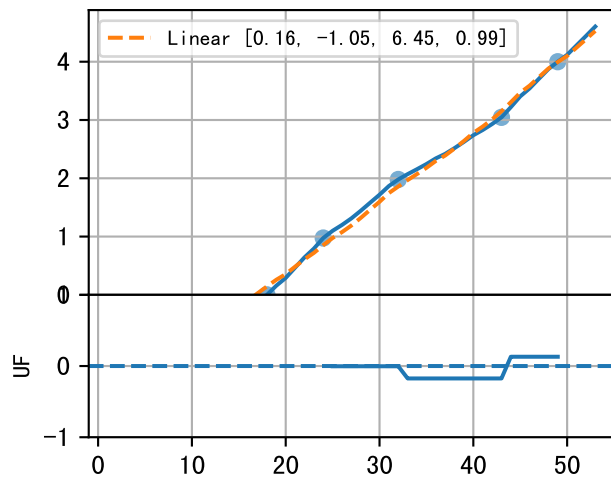


By Plant/Organ Age

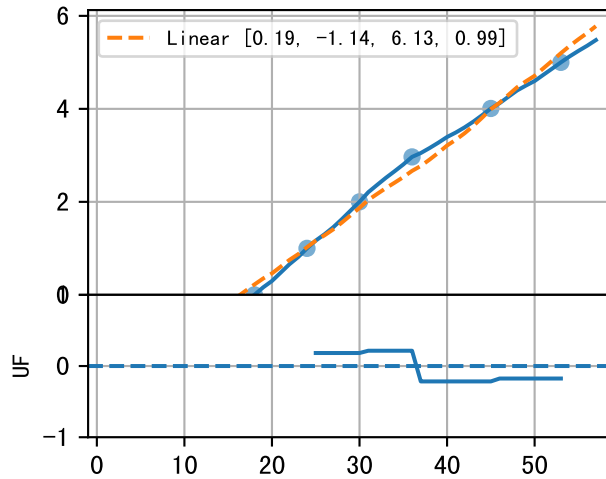


T_{SN}

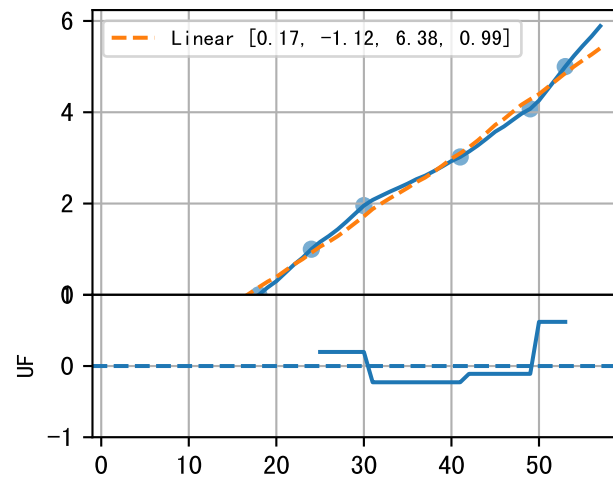
P3-6-003-24



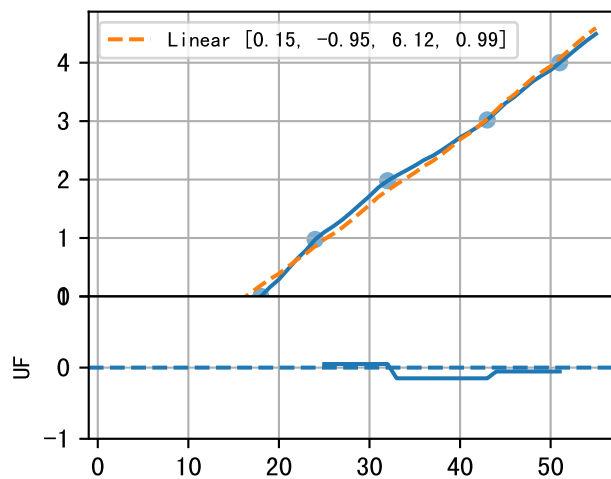
P3-6-007-11



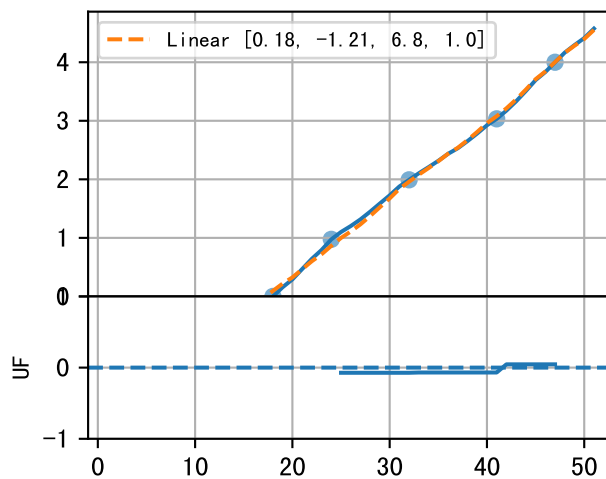
P3-6-011-7



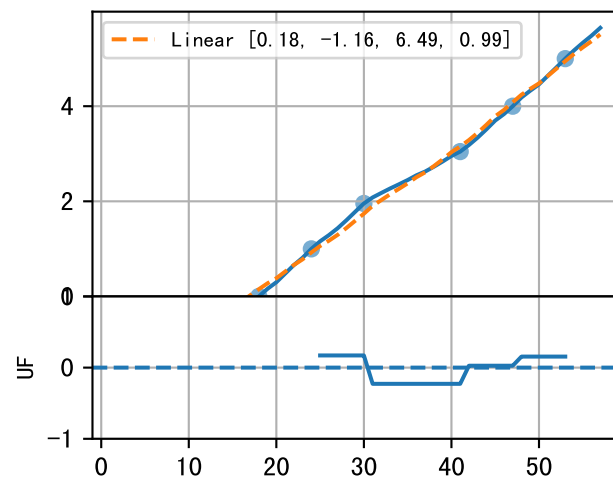
P3-6-015-30



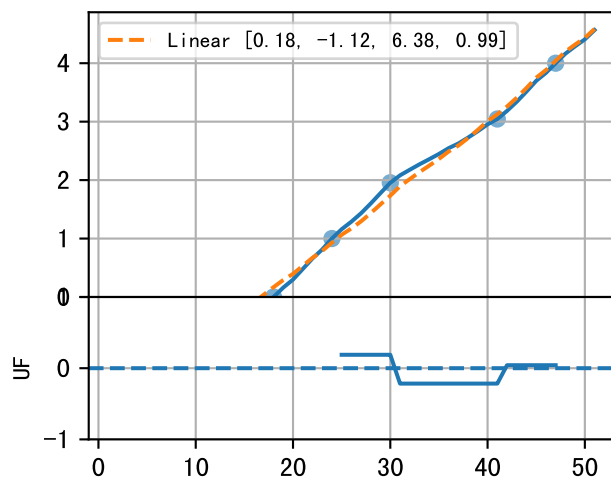
P3-6-019-12



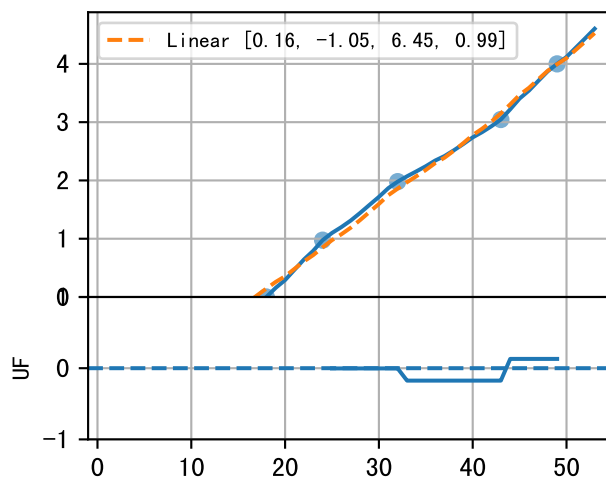
P3-6-024-25



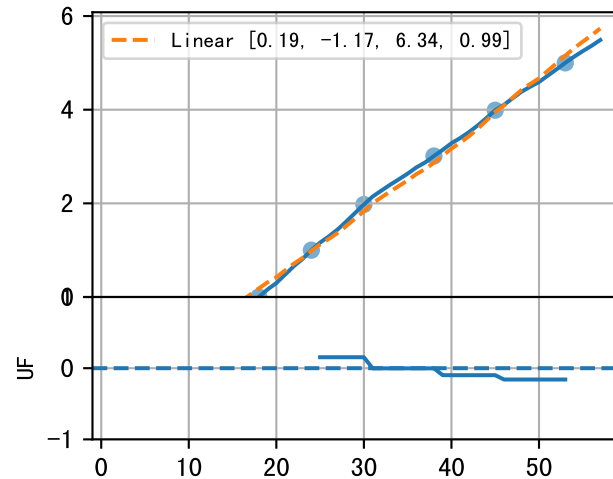
P3-6-028-32



P3-6-033-9

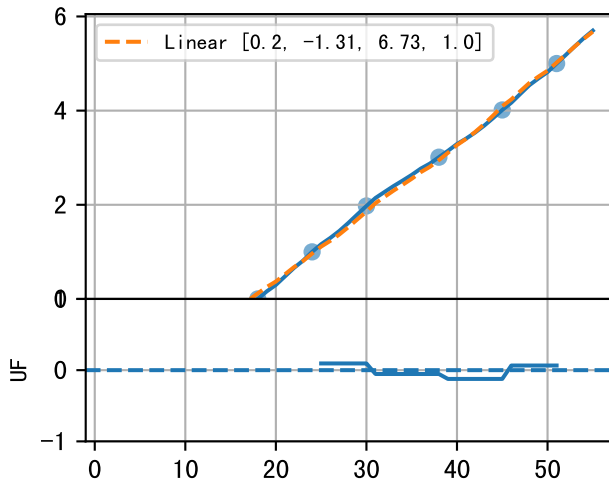


P3-6-038-21



P3-6-042-4

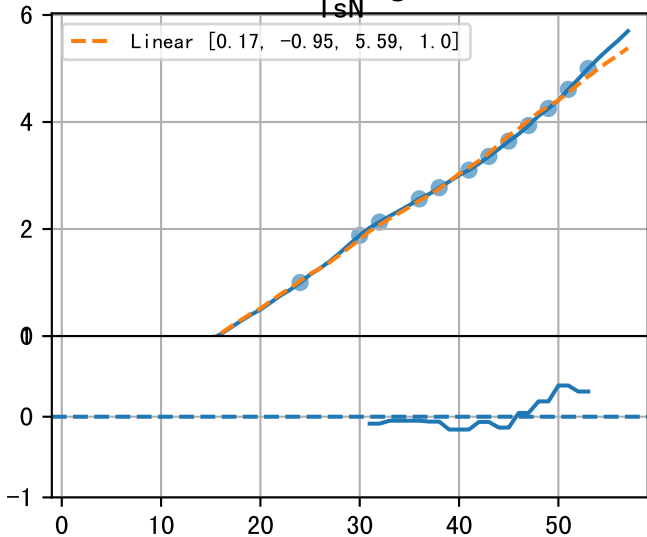
TsN



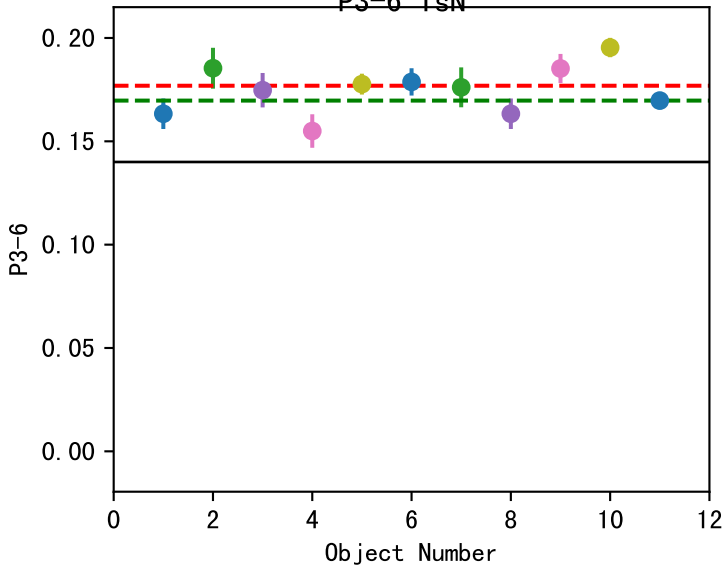
P3-6avg
T_{SN}

Linear [0.17, -0.95, 5.59, 1.0]

UF

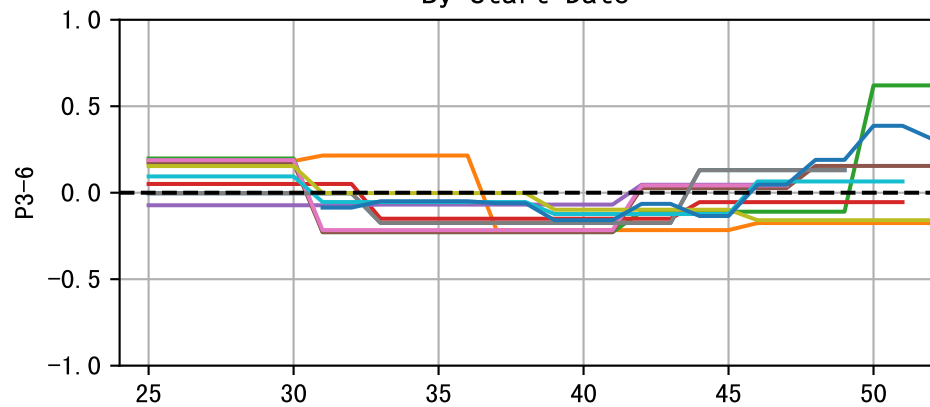


a (Def=0.14 Set=0.17)
avg1=0.18 $\sim$ 7% avg2=0.17 $\sim$ 6%
P3-6 TSN

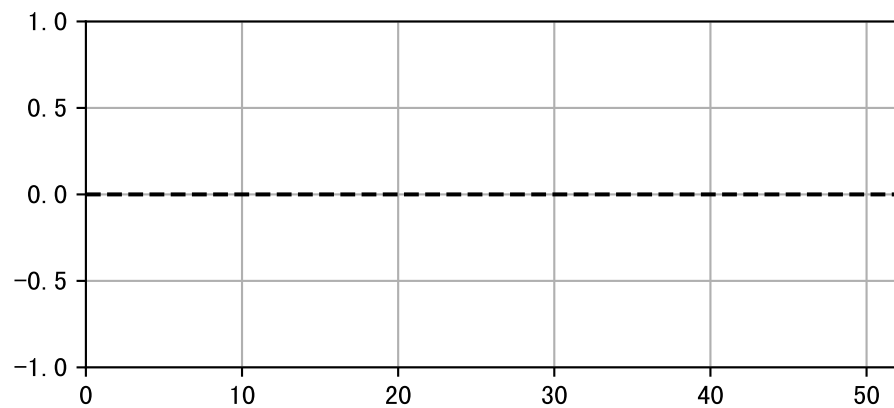
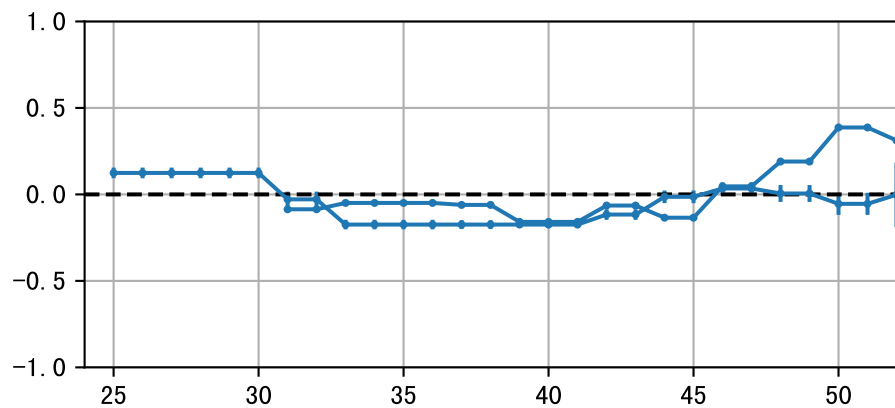
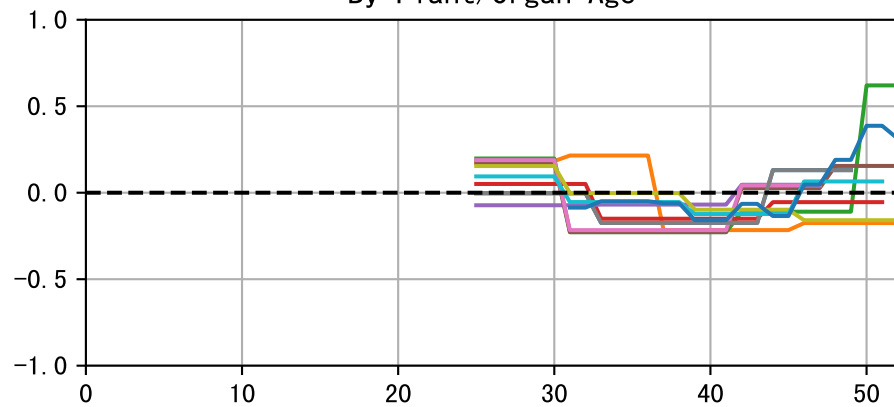


TsN

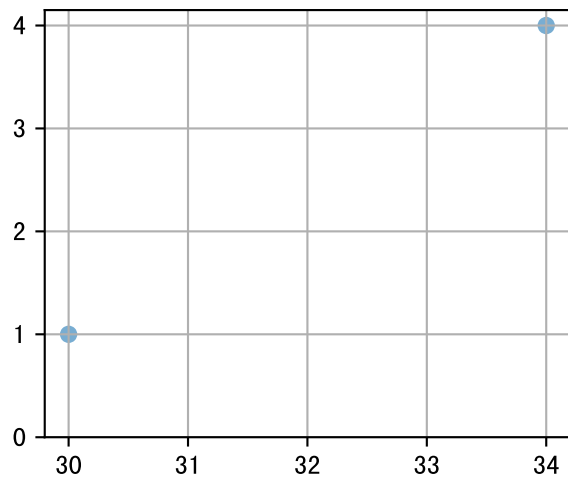
By Start Date



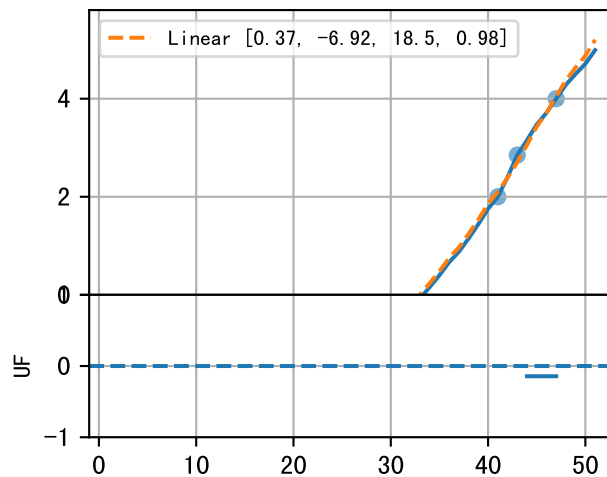
By Plant/Organ Age



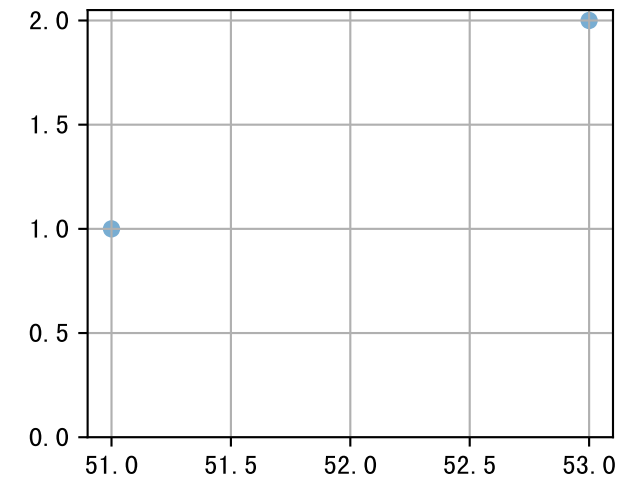
P3-6-003-24T1 (fit failed)



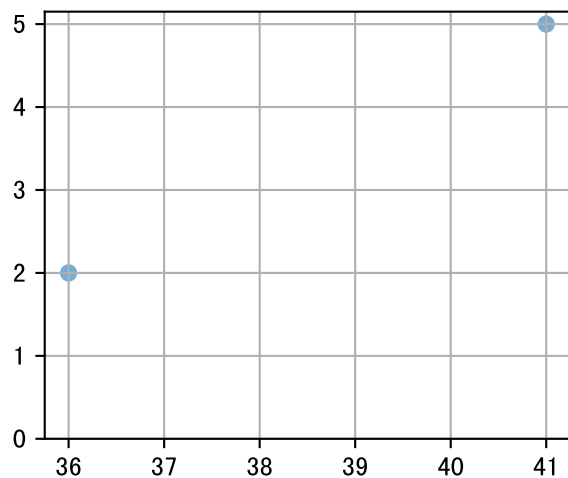
P3-6-003-24T2



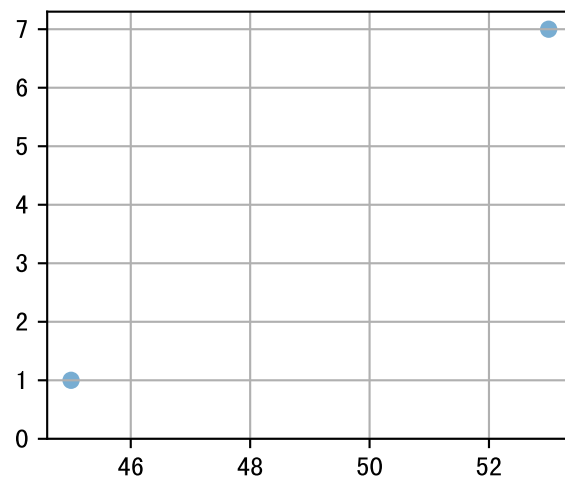
P3-6-003-24T3 (fit failed)



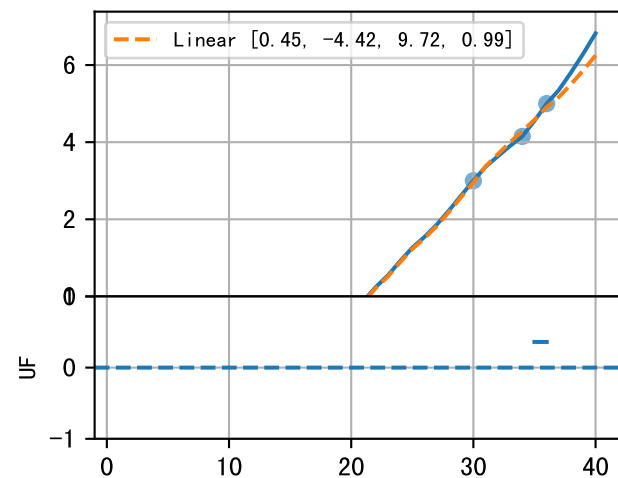
P3-6-007-11T2 (fit failed)



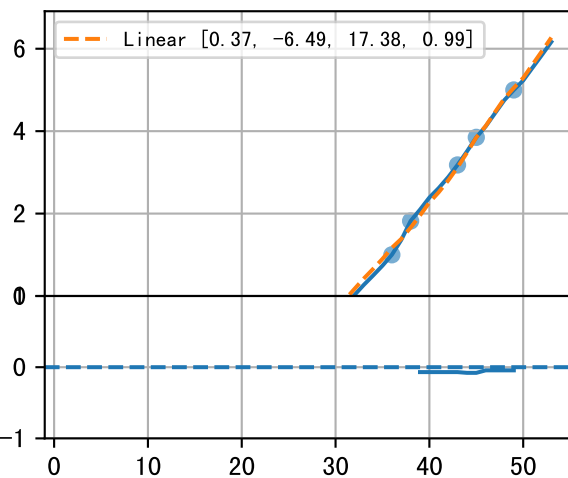
P3-6-007-11T3 (fit failed)



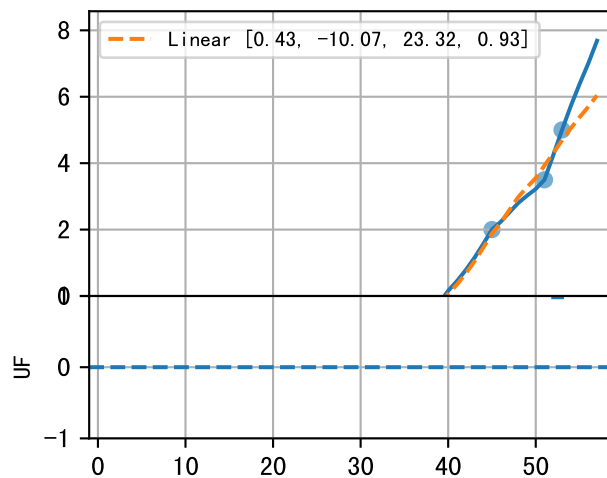
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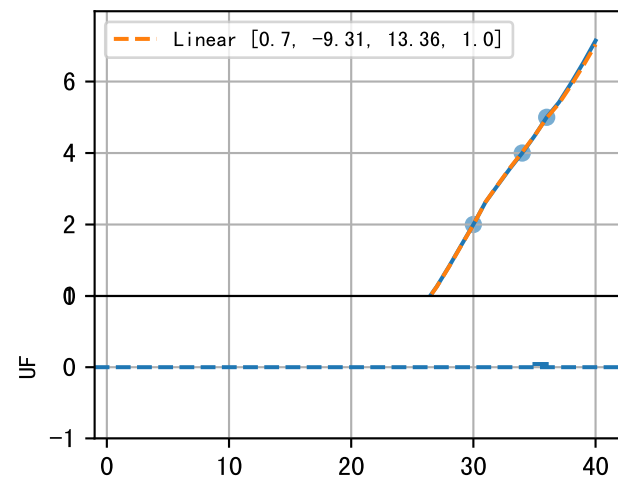
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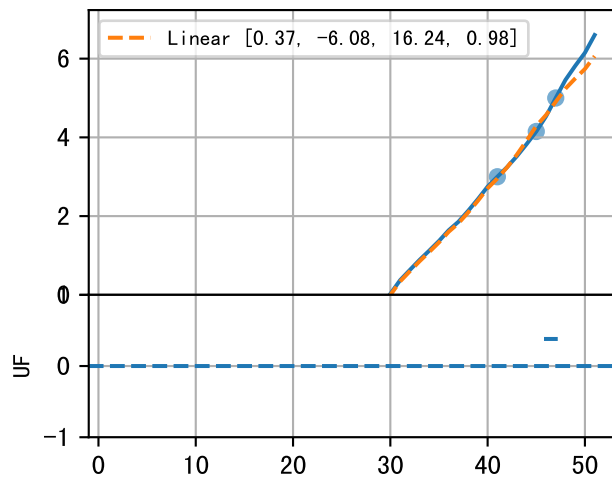
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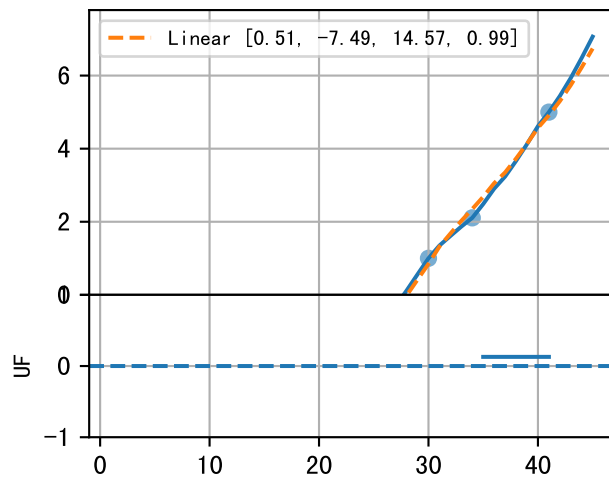
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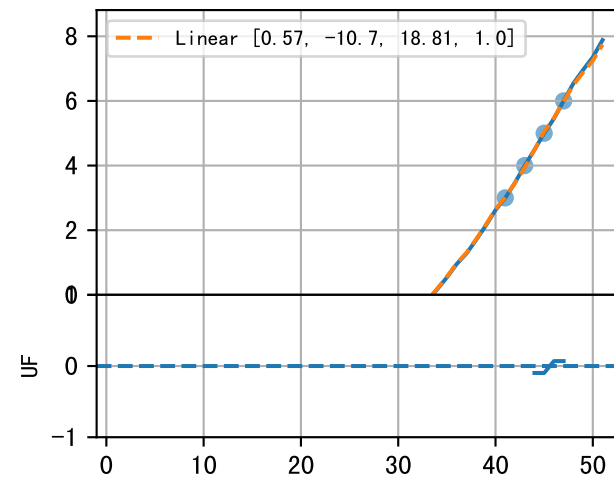
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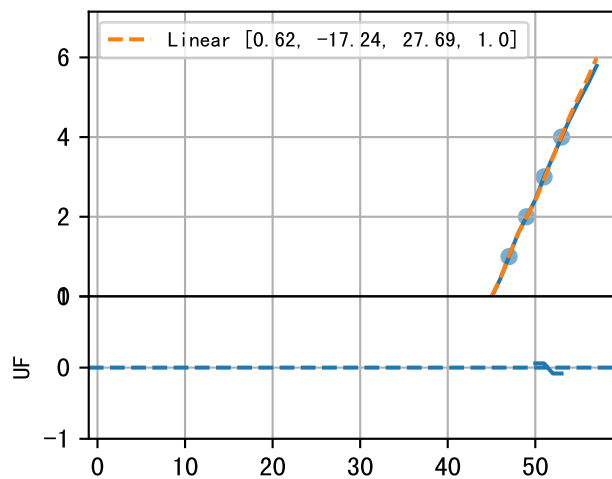
P3-6-019-12T1



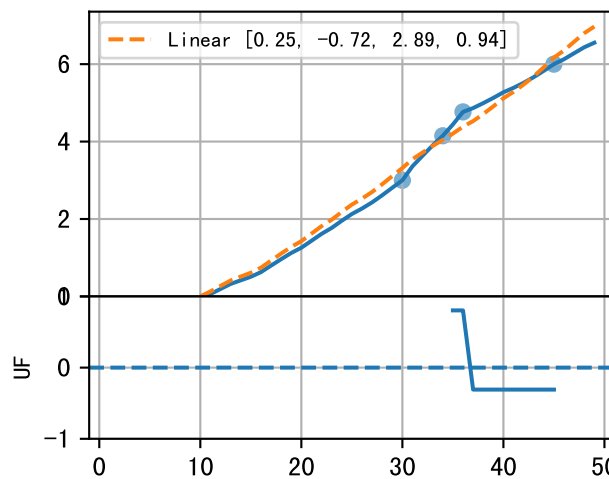
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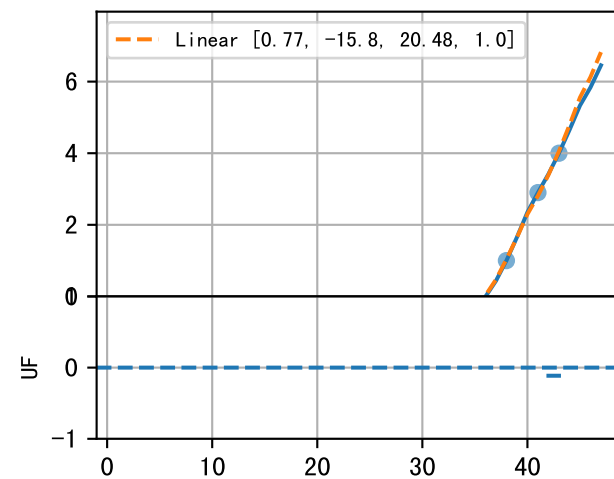
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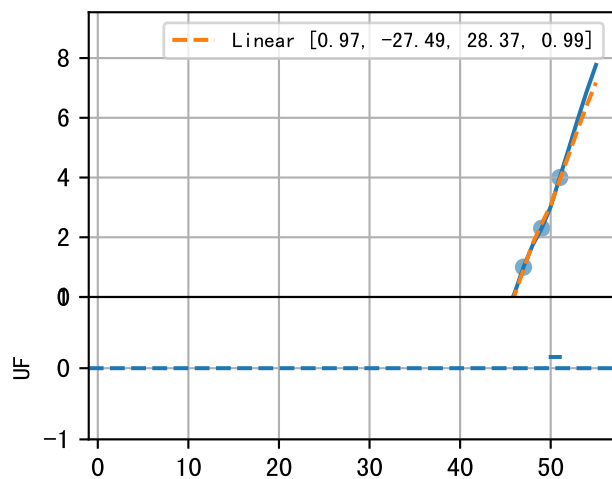
P3-6-024-25T1



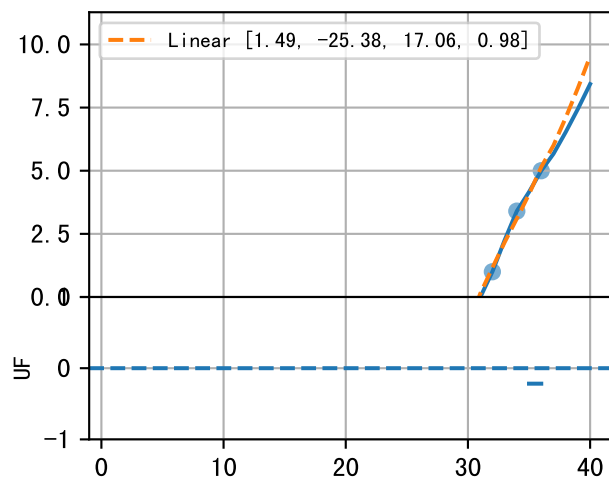
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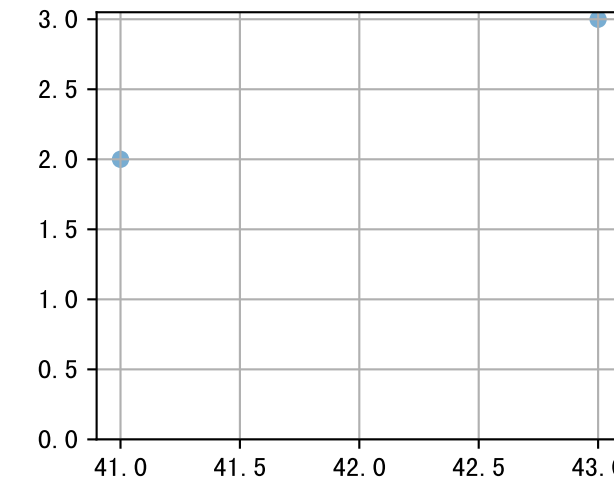
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P3-6-028-32T1

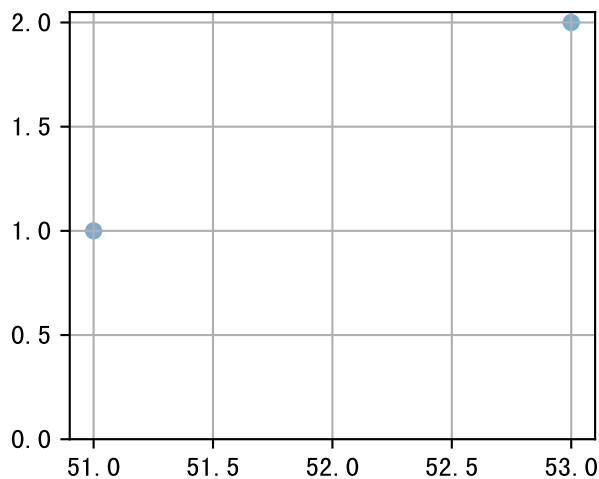


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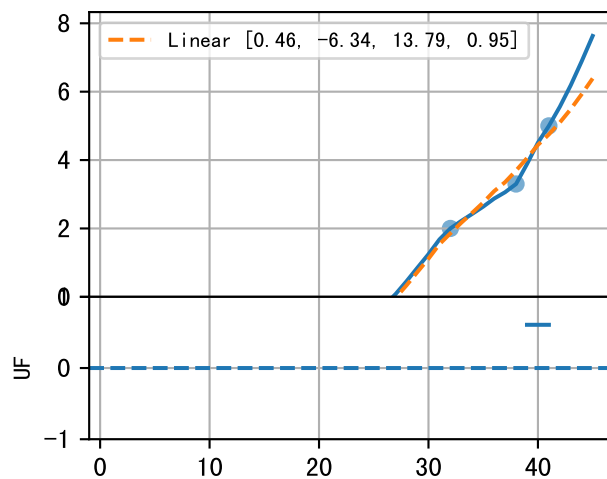


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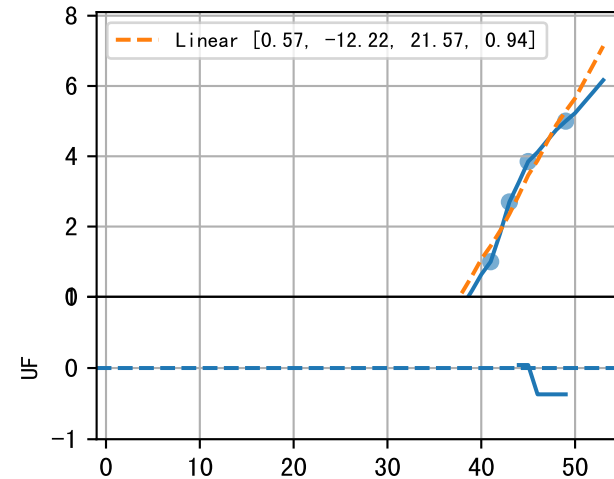
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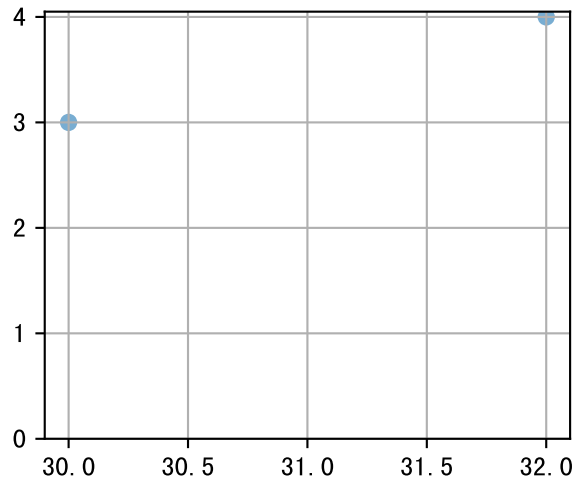
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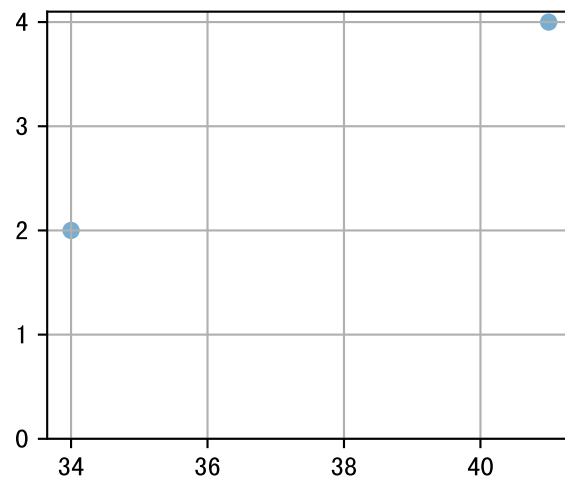
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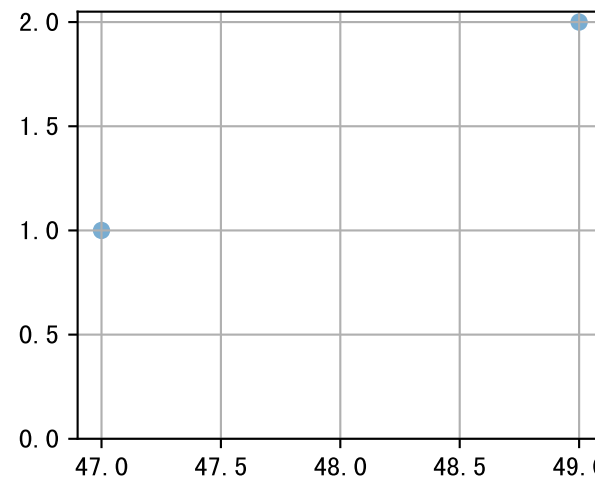
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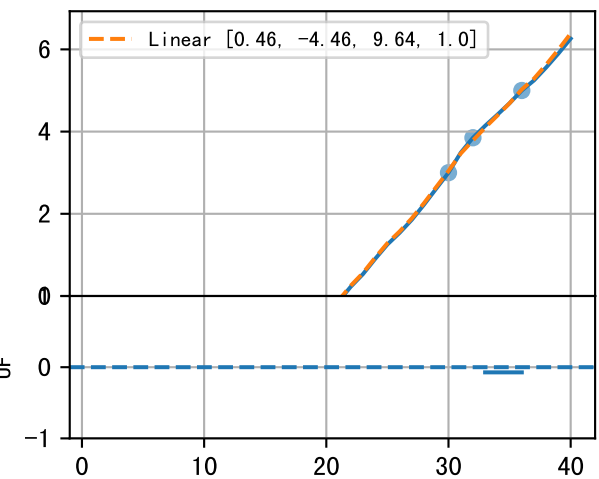
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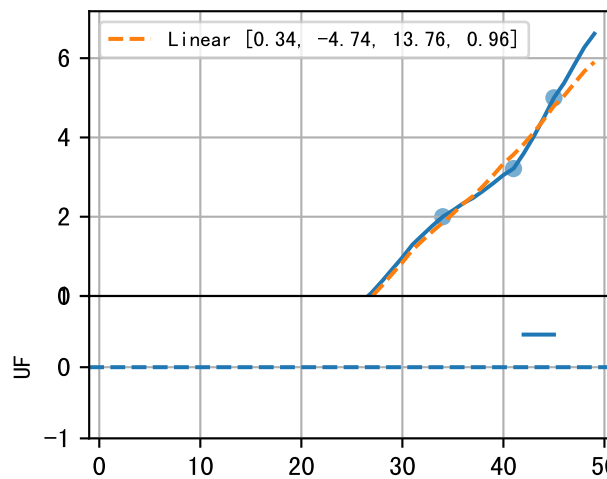
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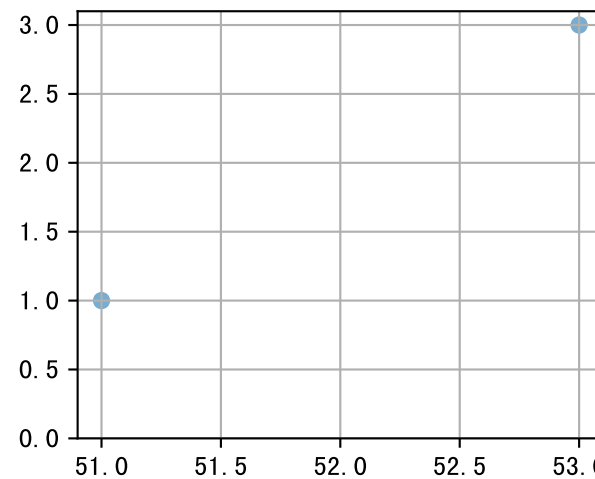
P3-6-042-4T1



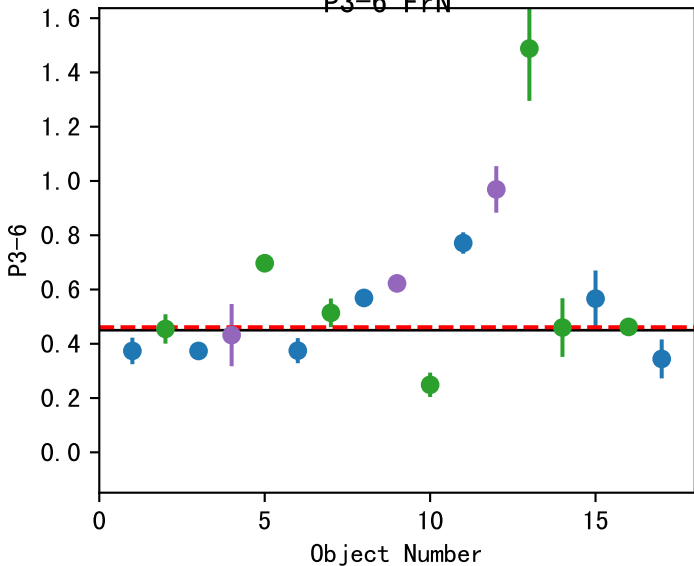
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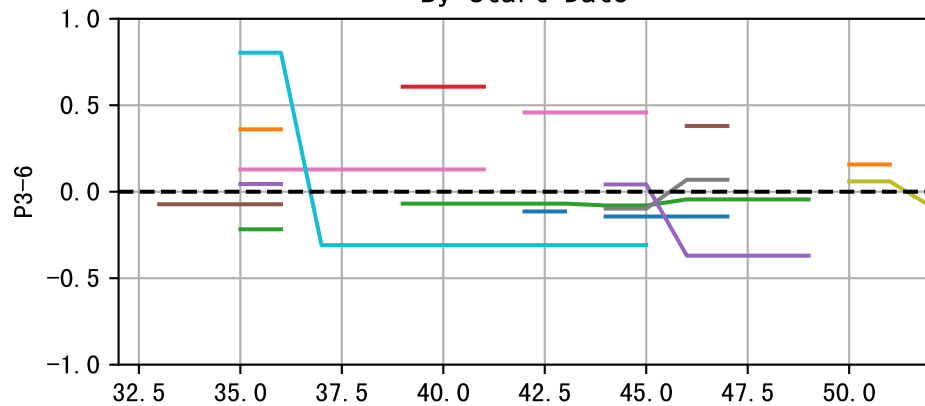
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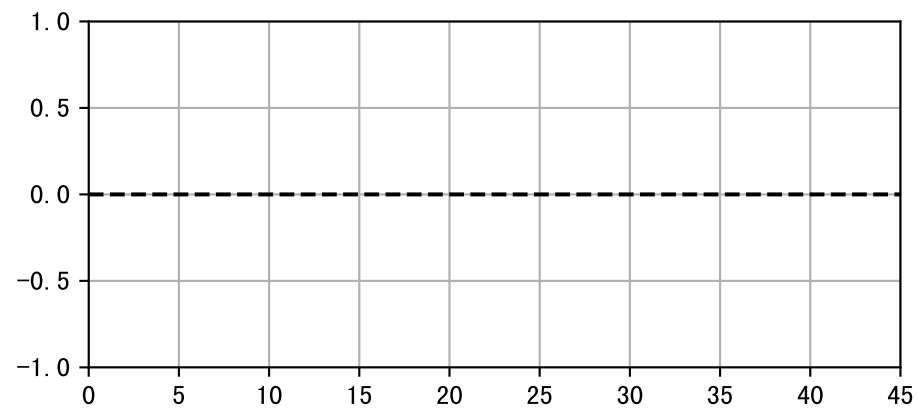
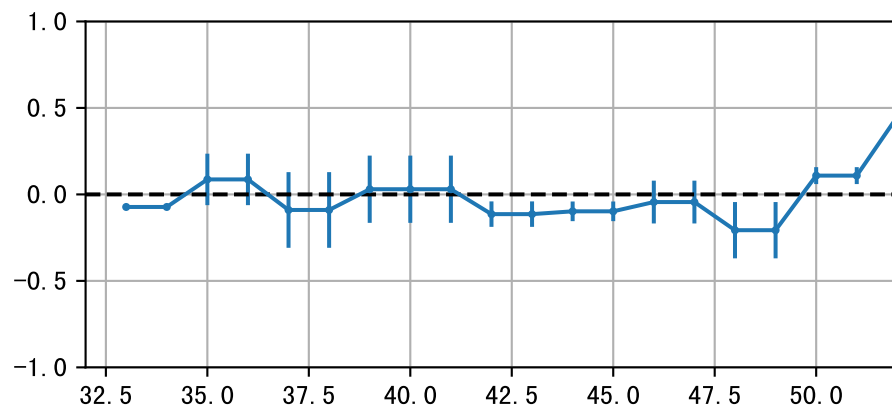
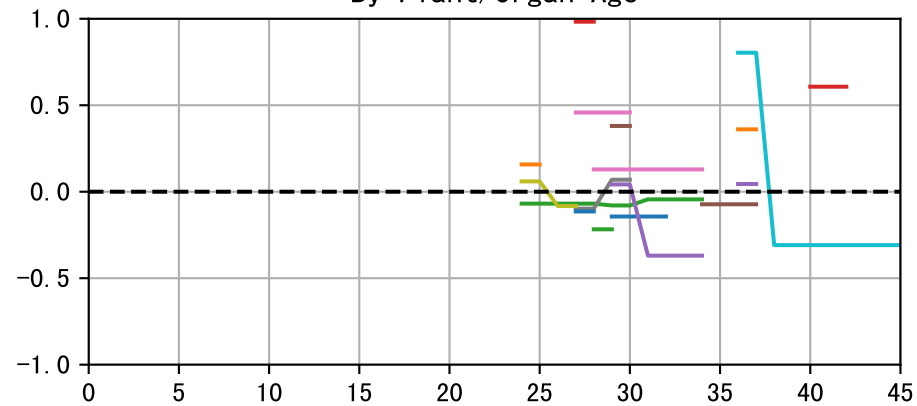
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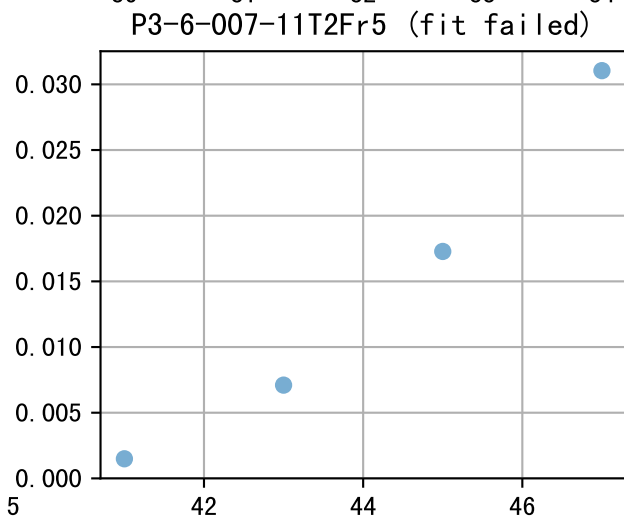
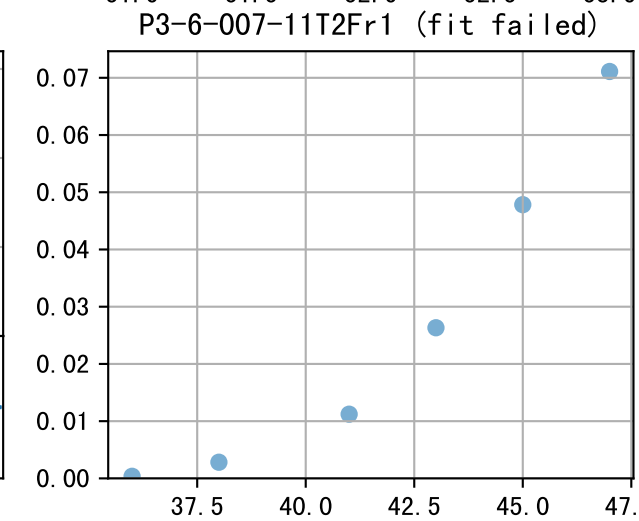
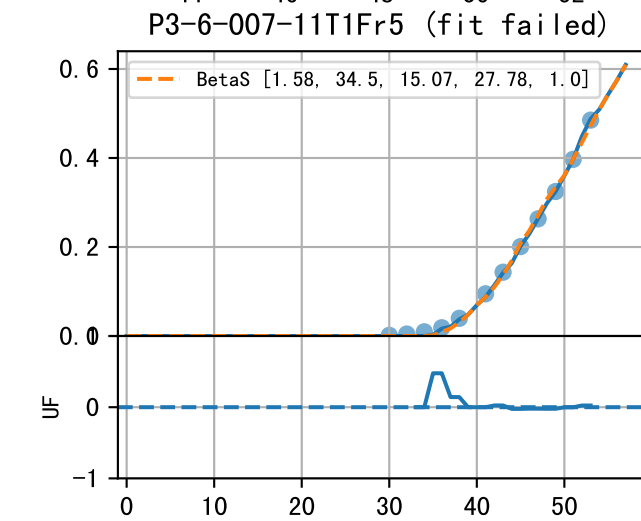
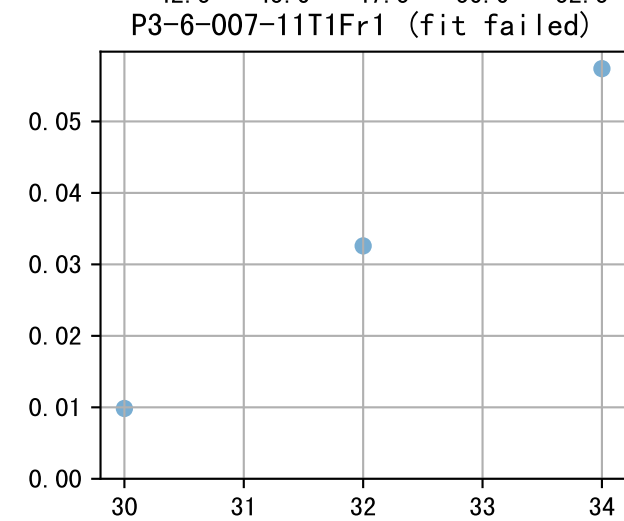
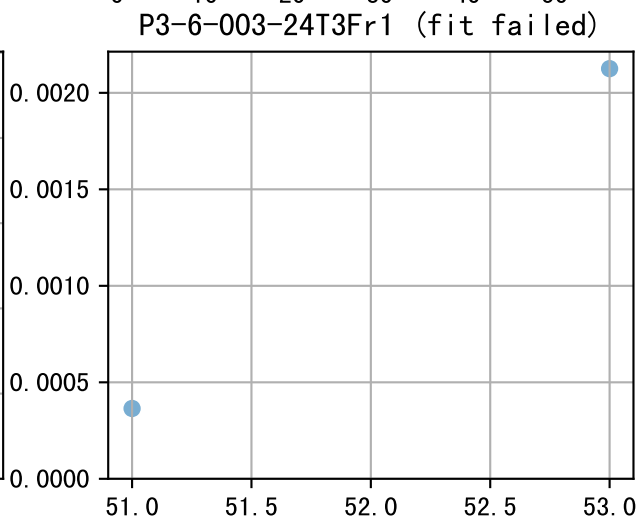
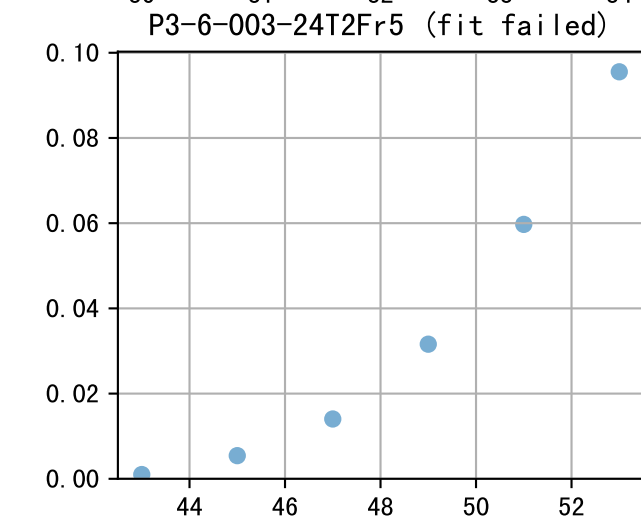
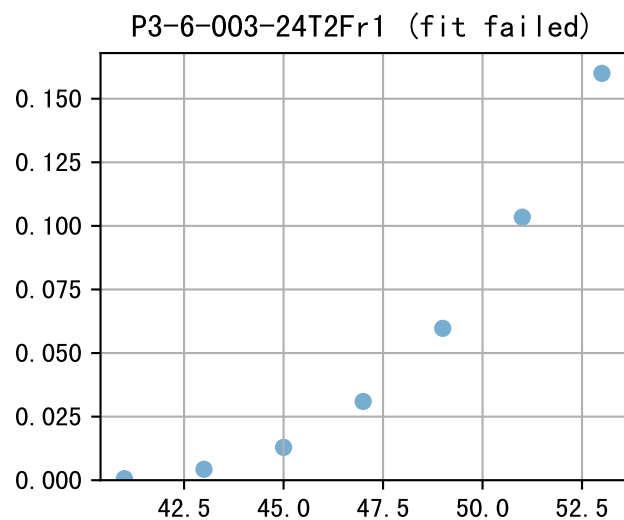
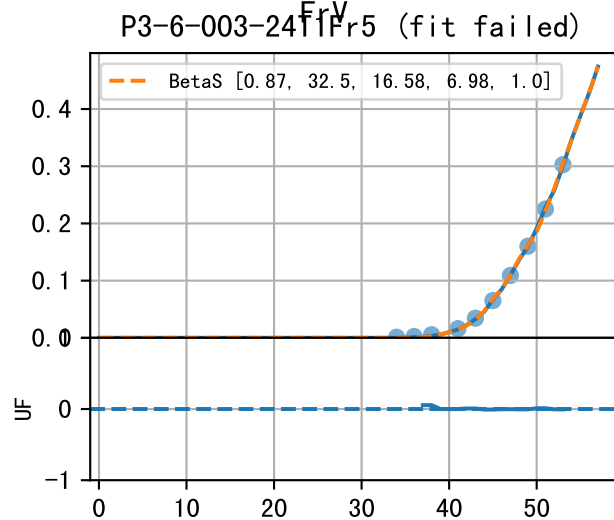
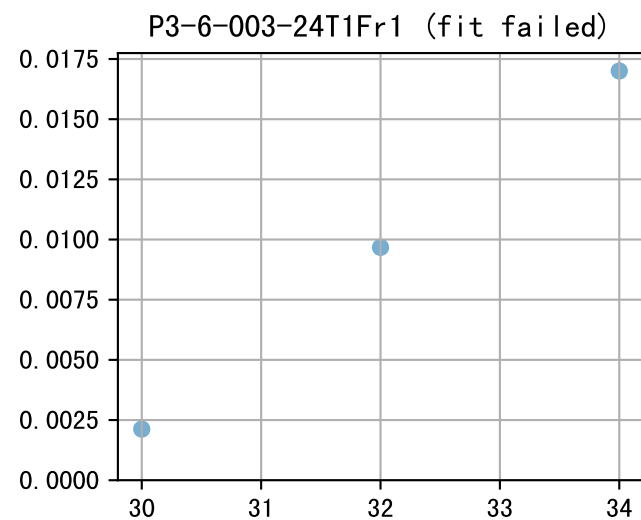
By Start Date



By Plant/Organ Age

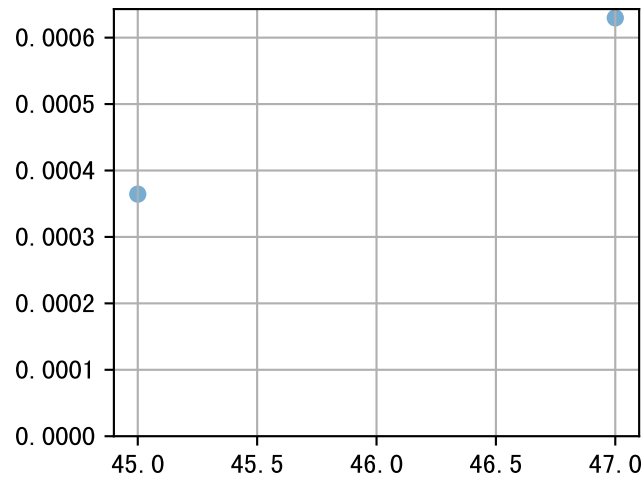


FrV

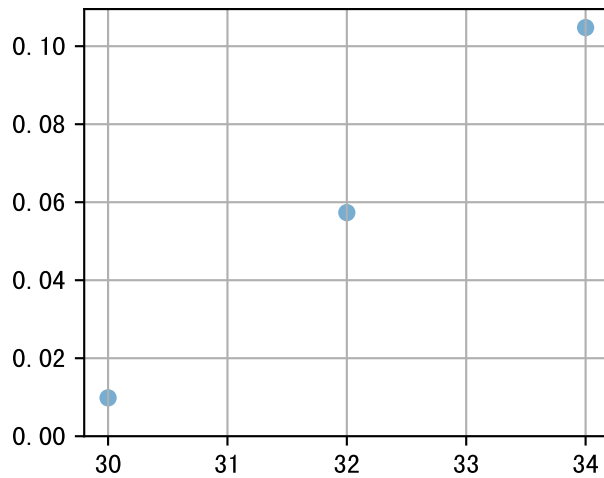


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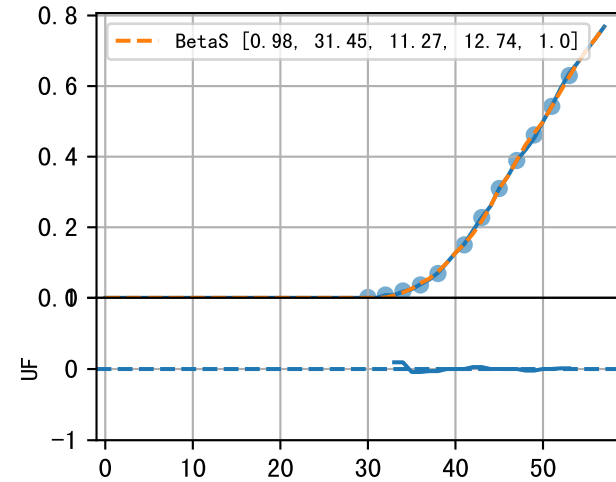
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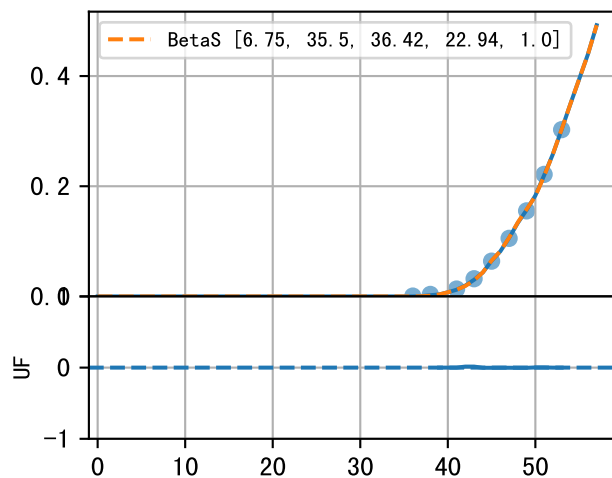
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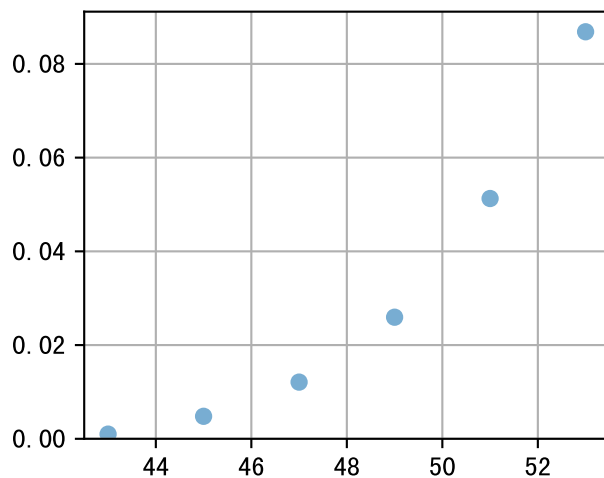
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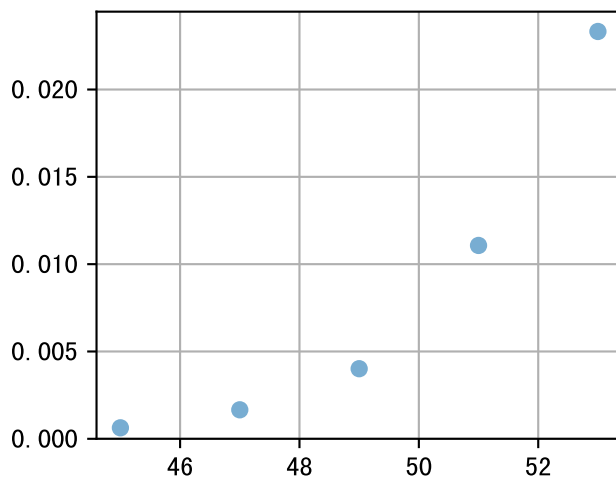
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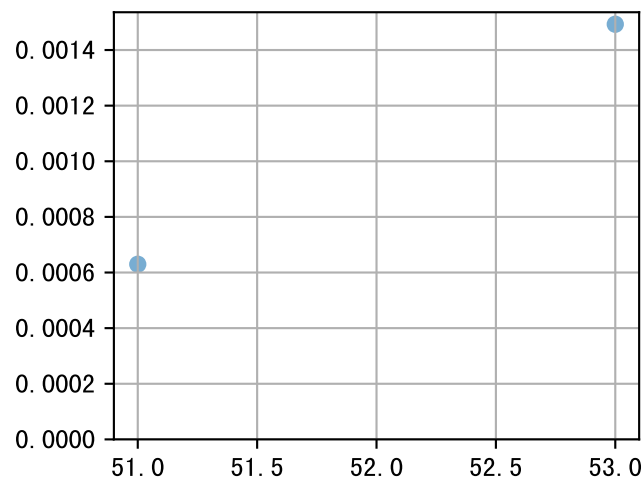
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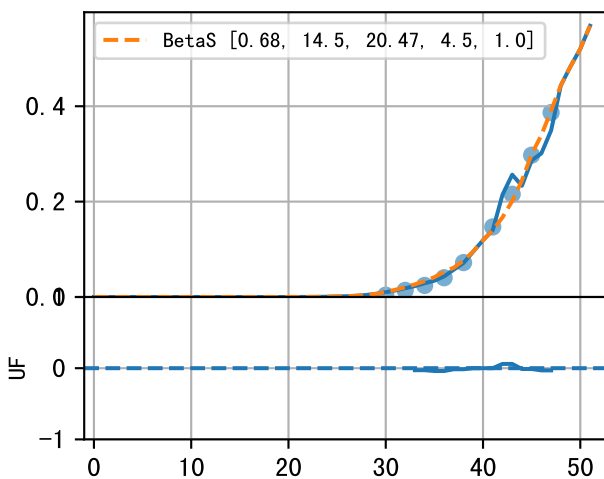
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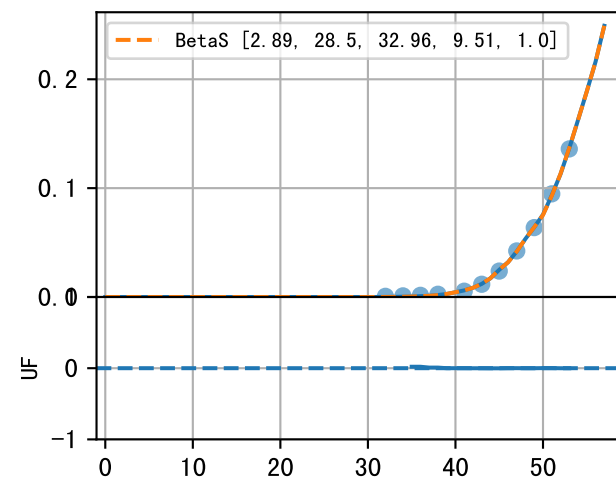
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P3-6-015-30T1Fr1

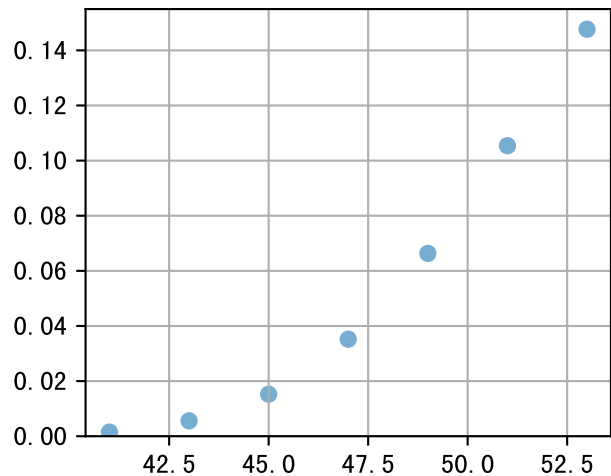


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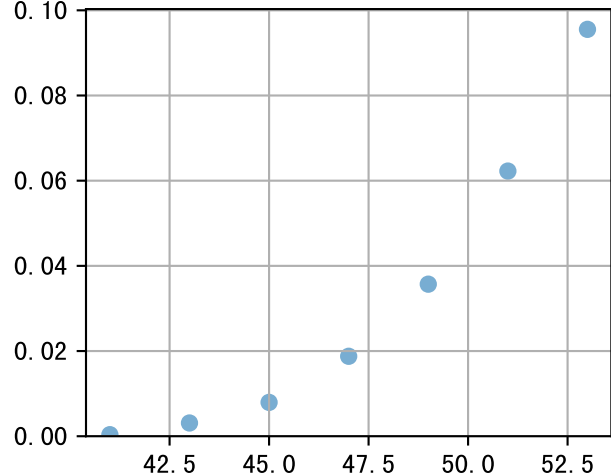


Fr_Y

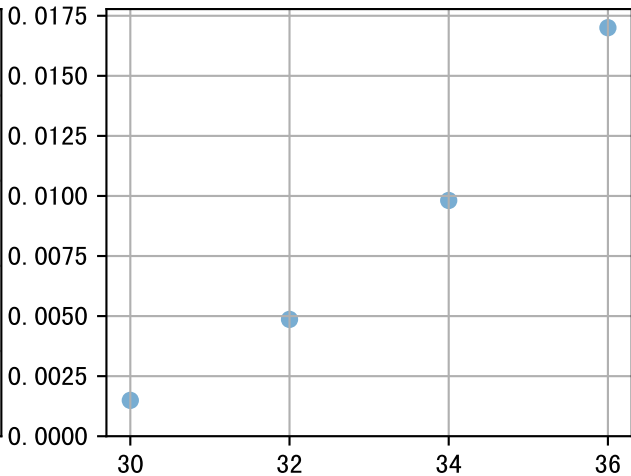
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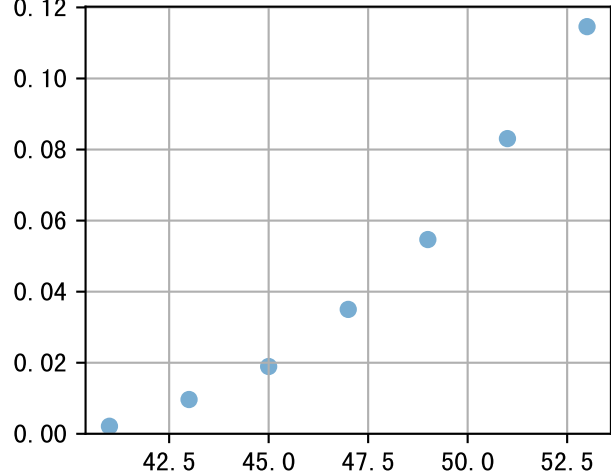
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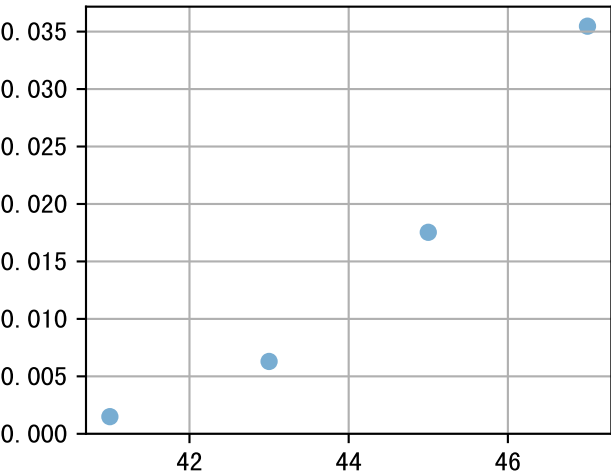
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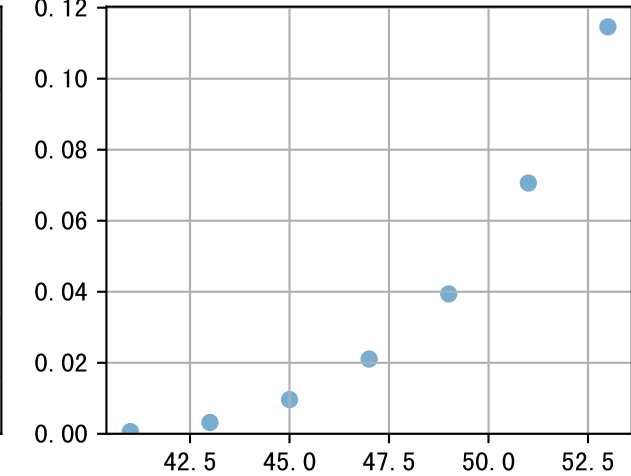
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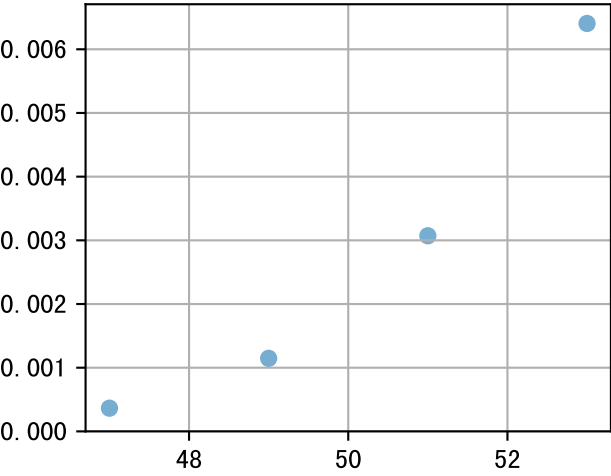
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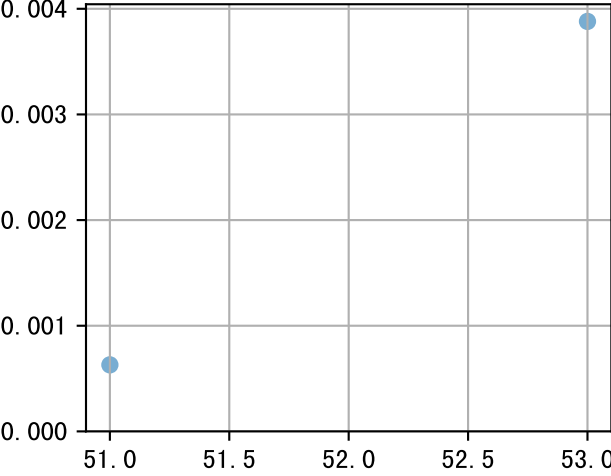
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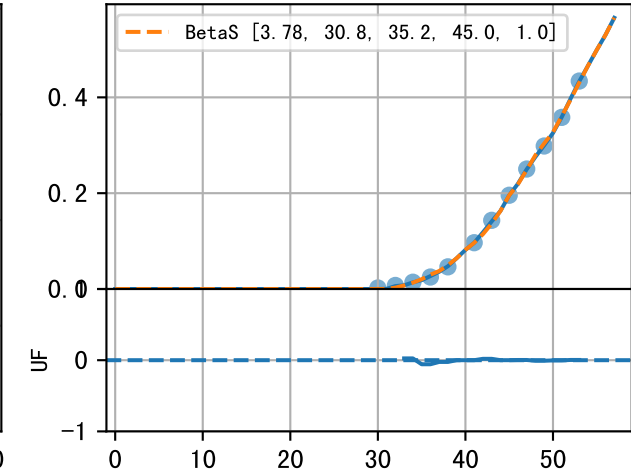
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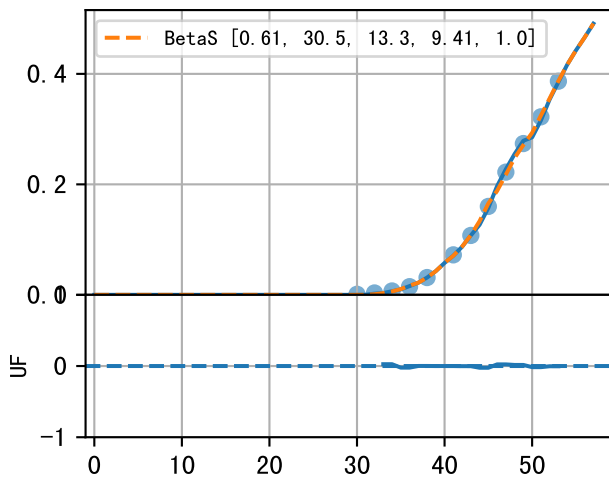
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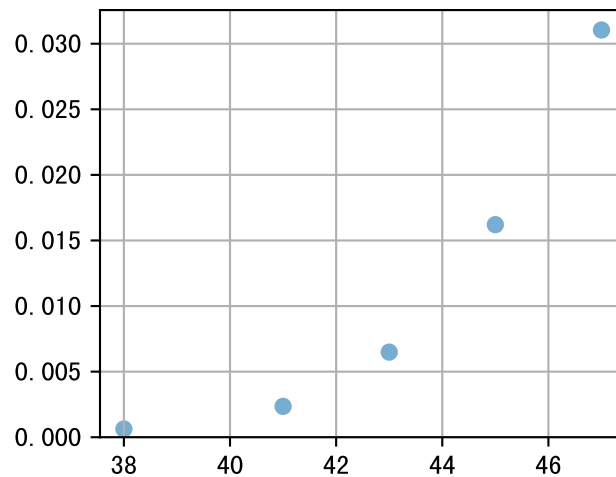
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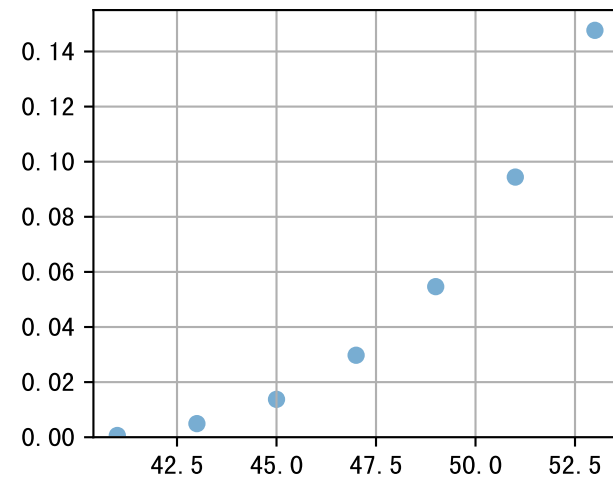
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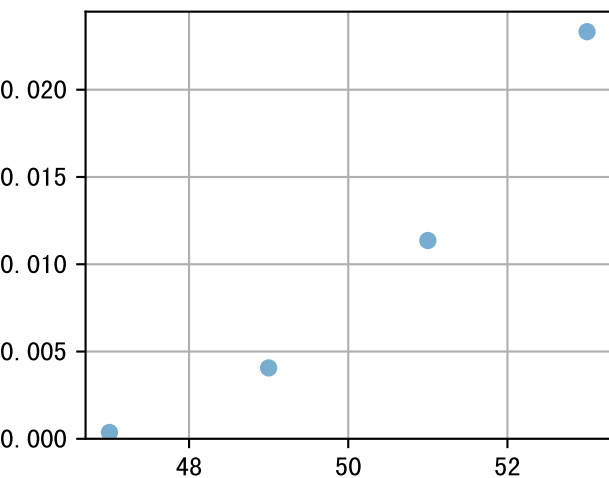
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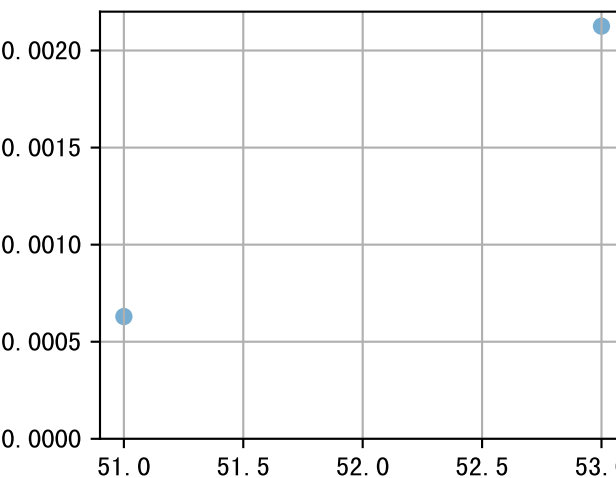
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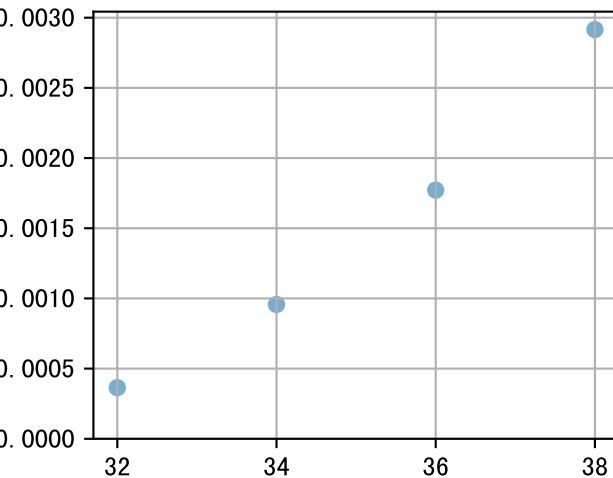
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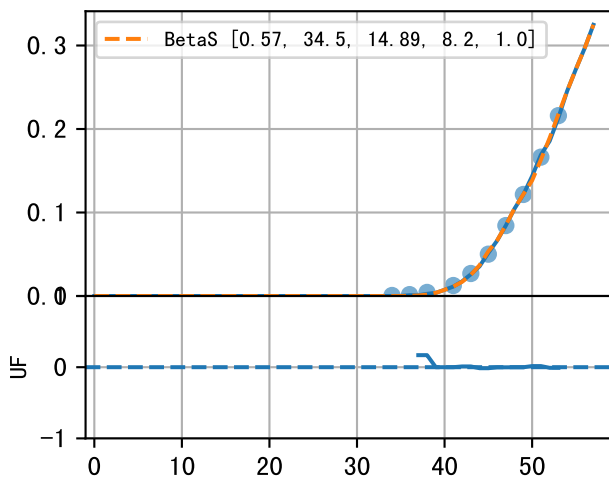
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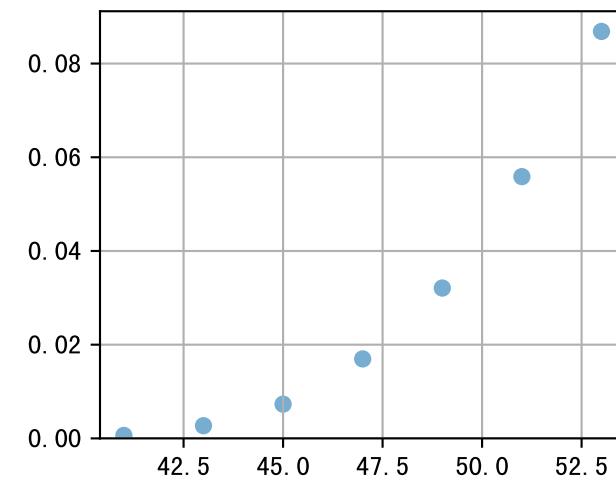
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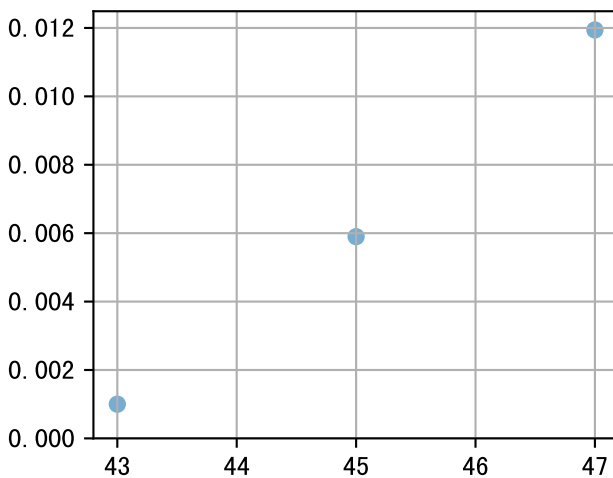
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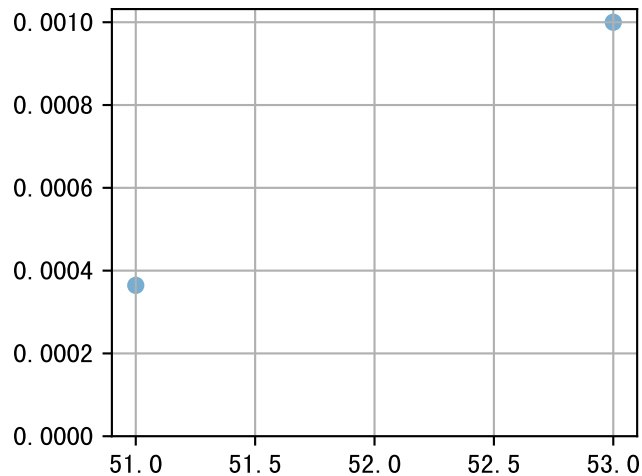


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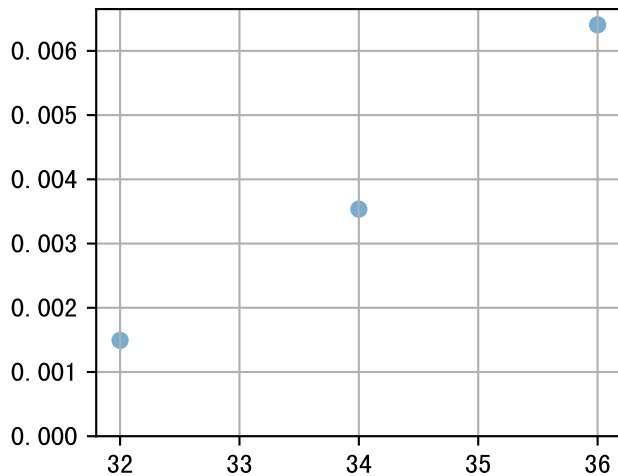


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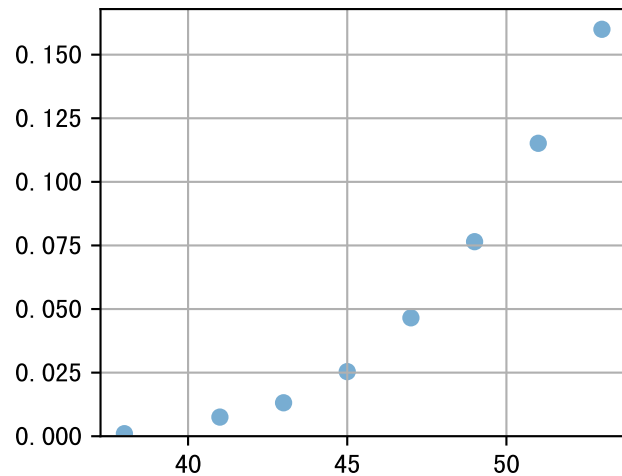
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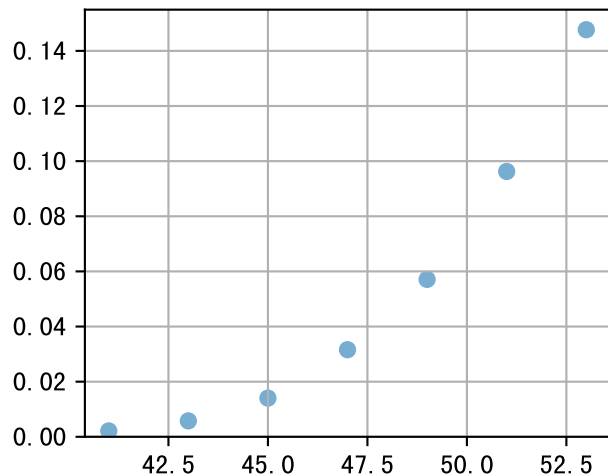
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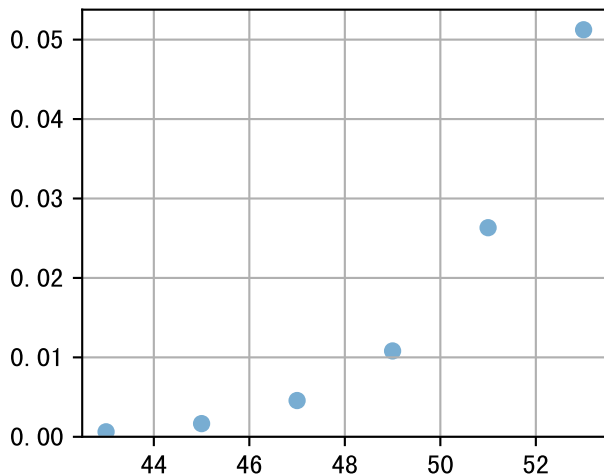
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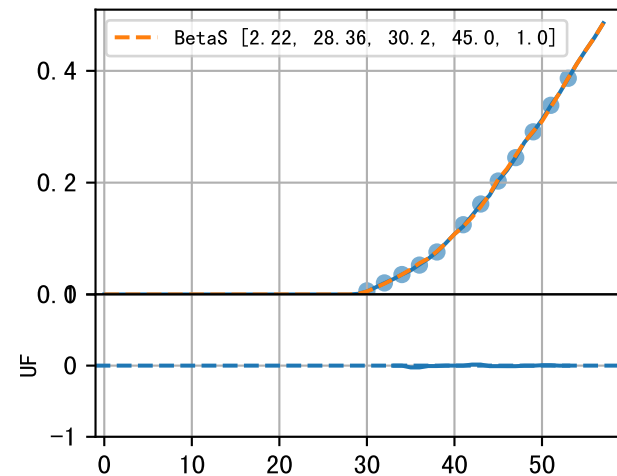
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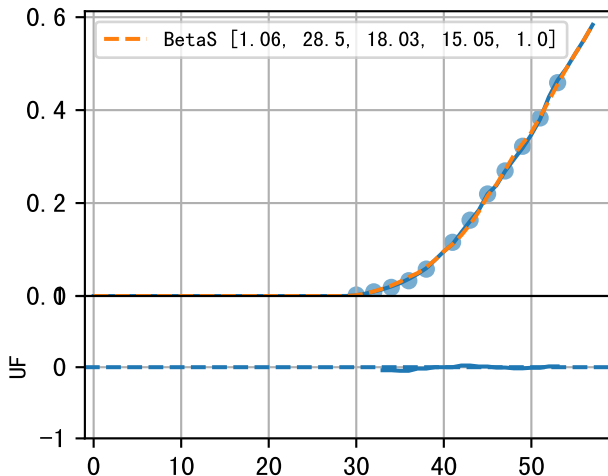
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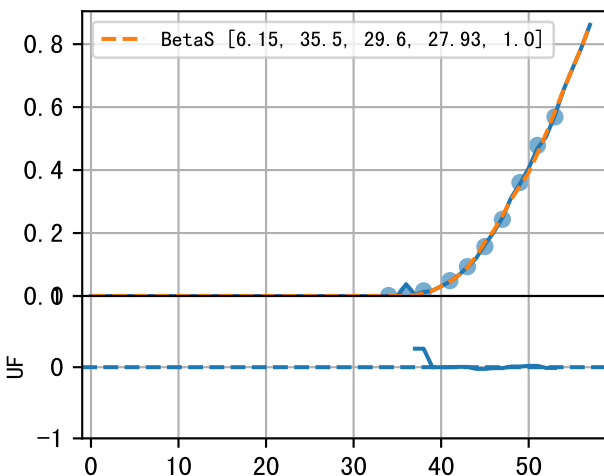
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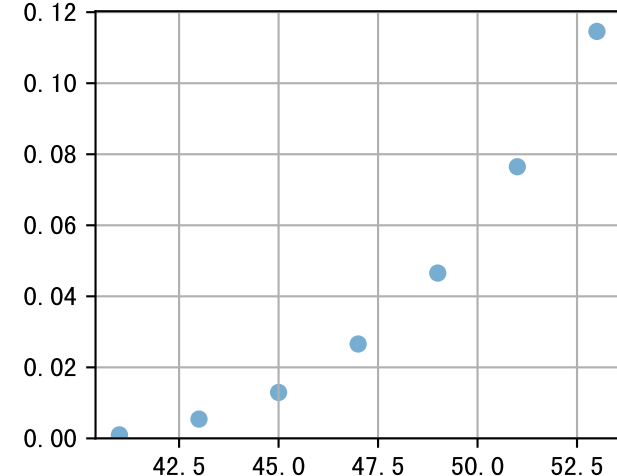
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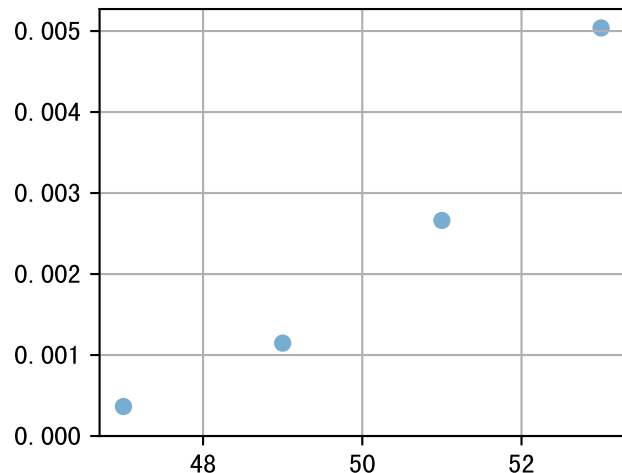
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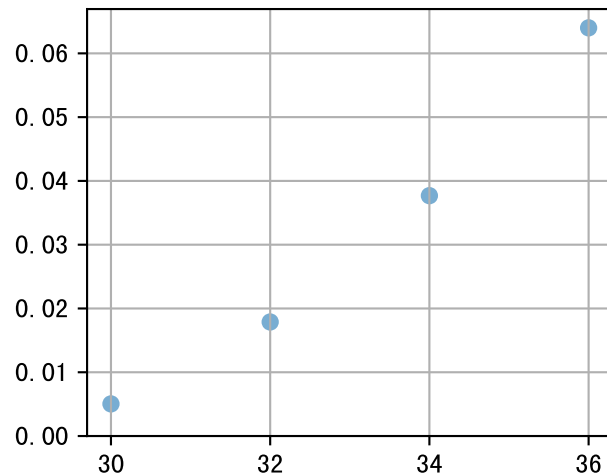
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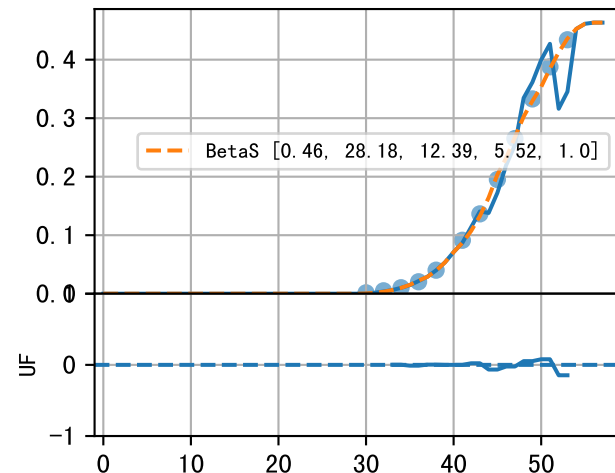
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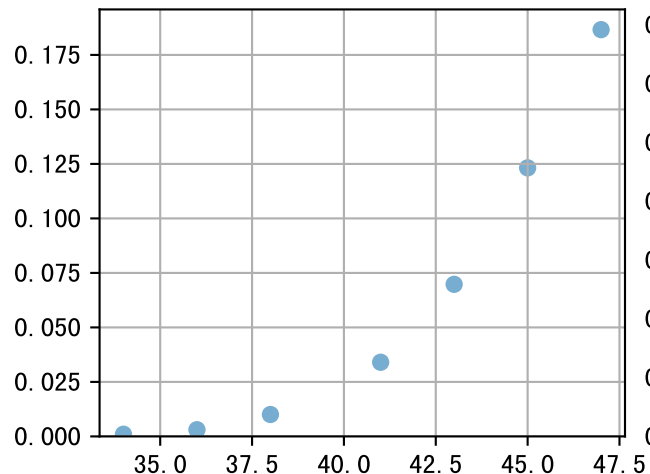
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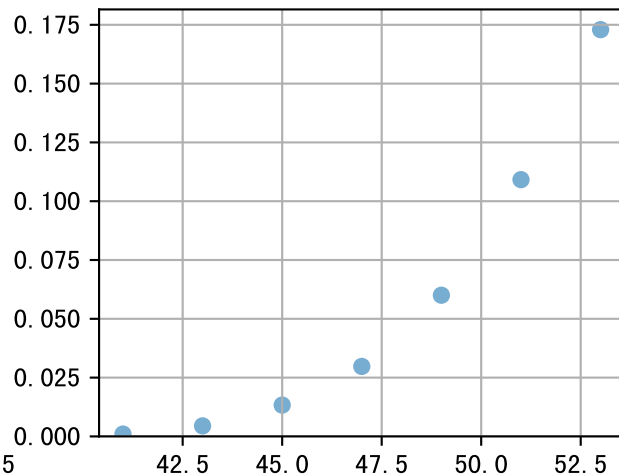
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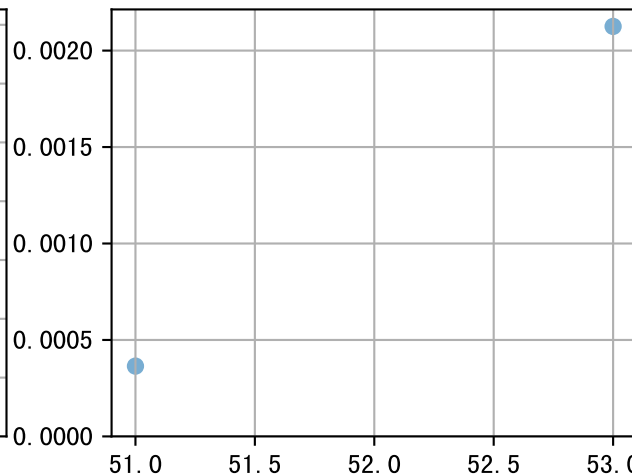
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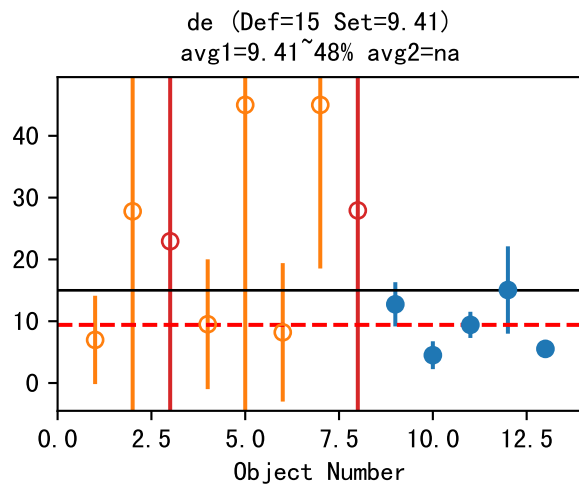
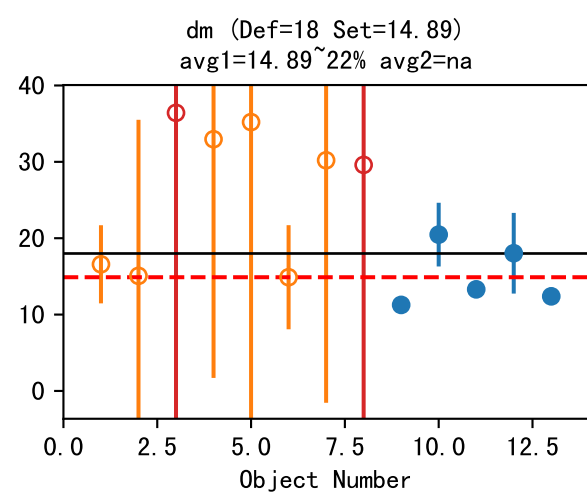
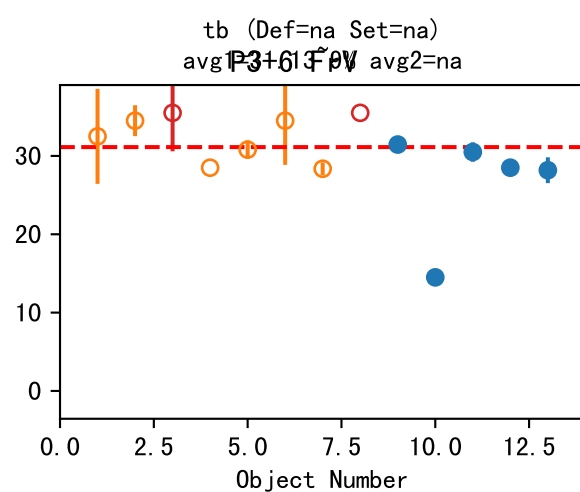
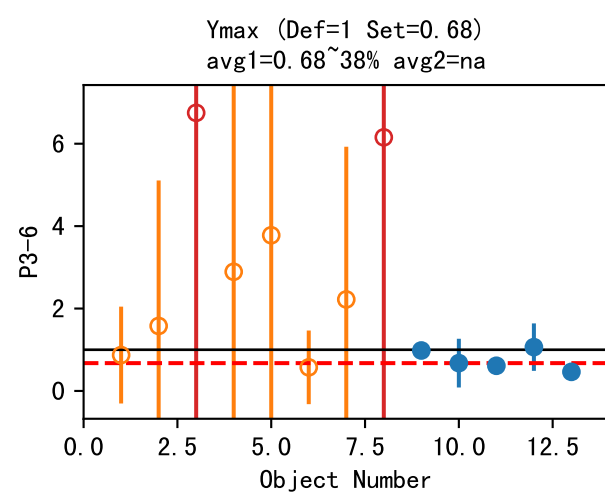


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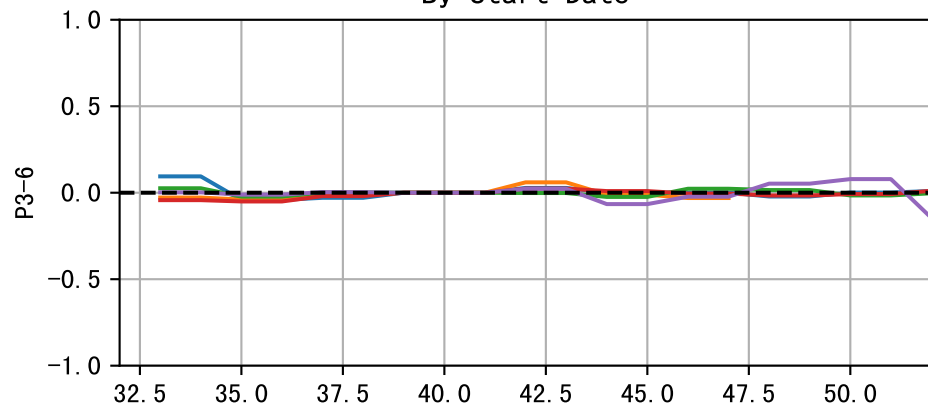
P3-6-042-4T3Fr1 (fit failed)



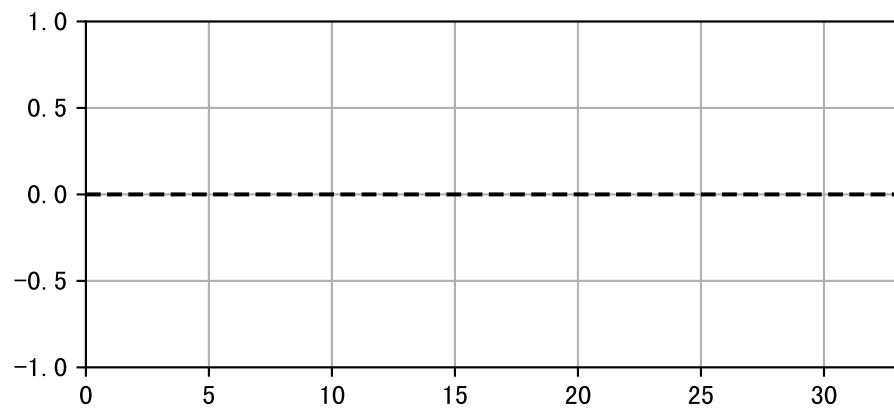
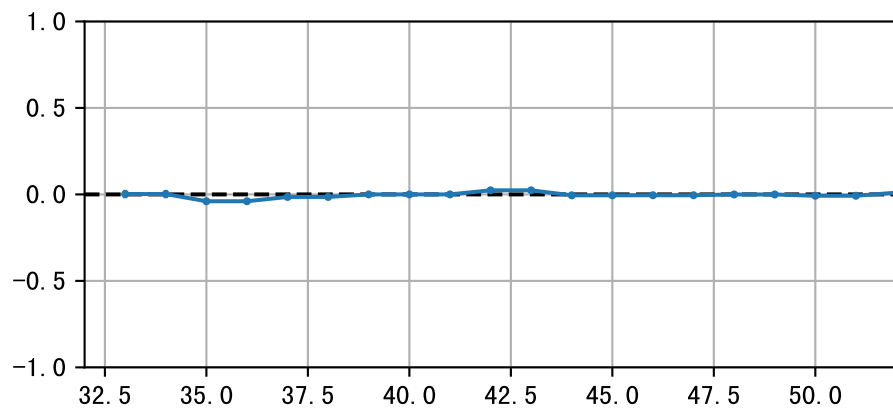
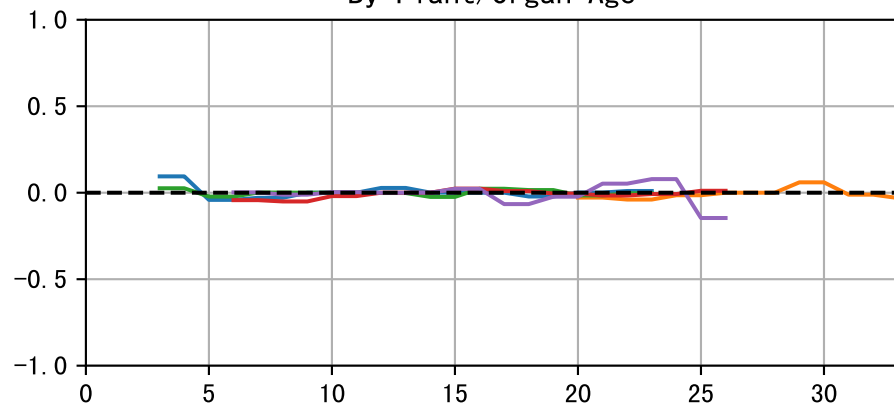


FrV

By Start Date

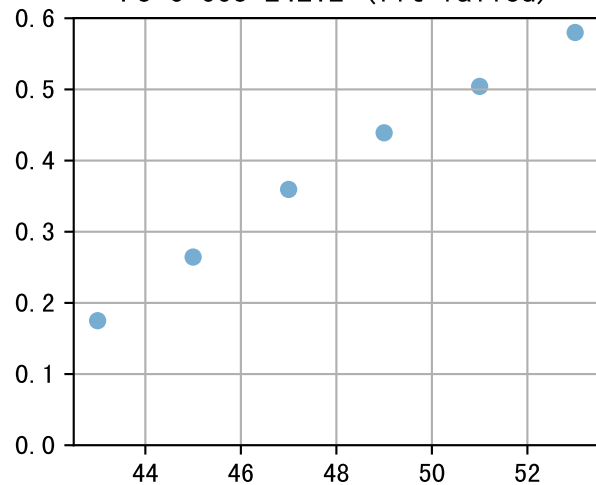


By Plant/Organ Age

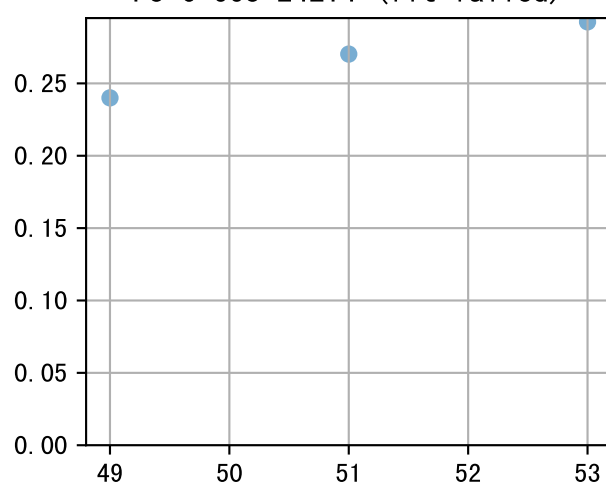


14

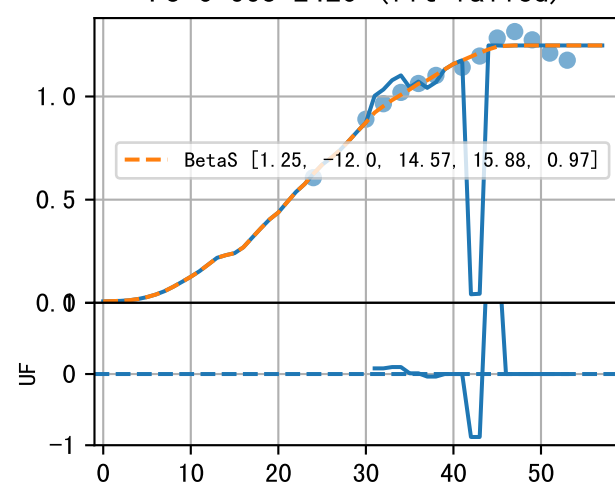
P3-6-003-24L12 (fit failed)



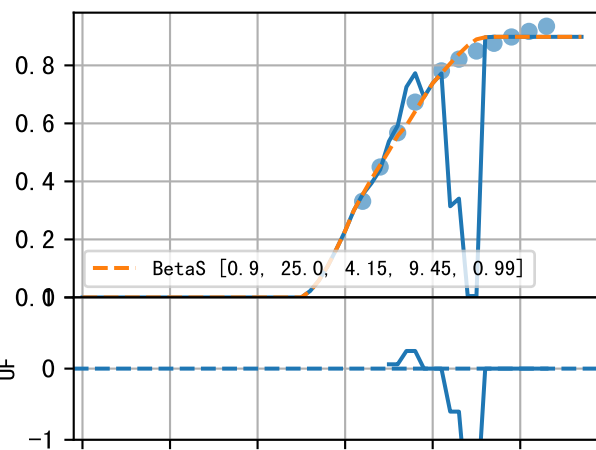
P3-6-003-24L14 (fit failed)



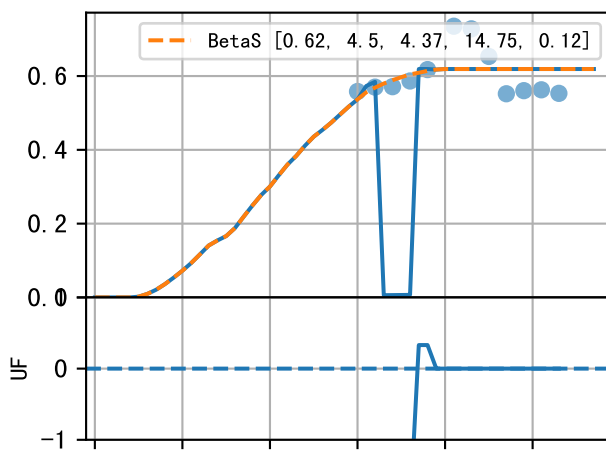
P3-6-003-24L6 (fit failed)



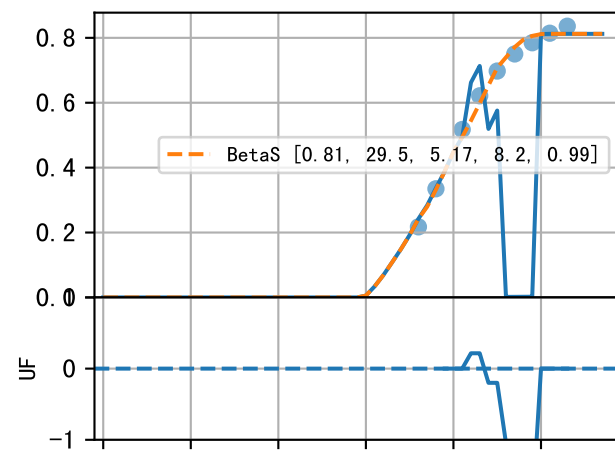
P3-6-003-24L9 (fit failed)



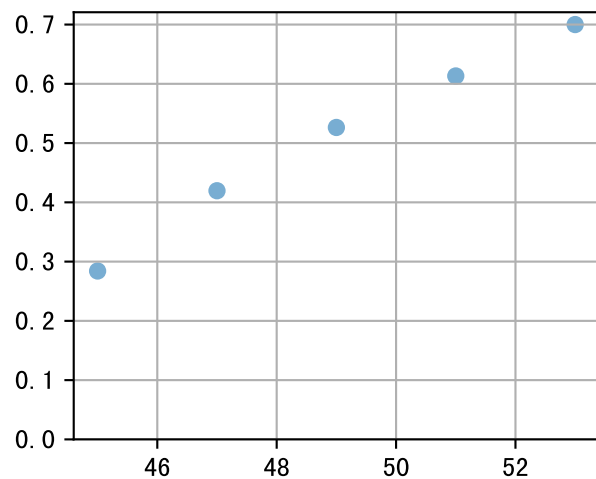
P3-6-007-11L10 (fit failed)



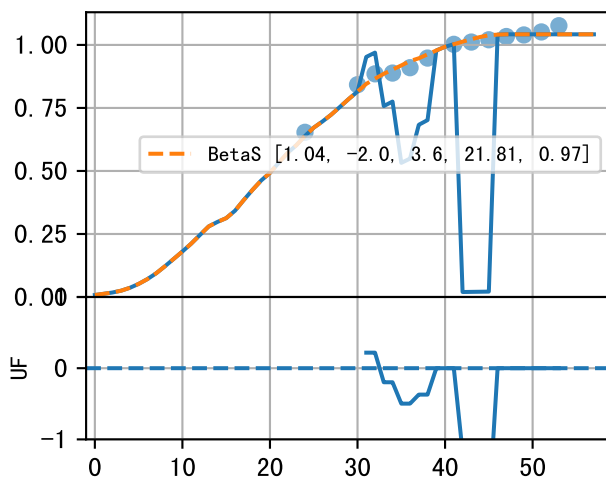
P3-6-007-11L13



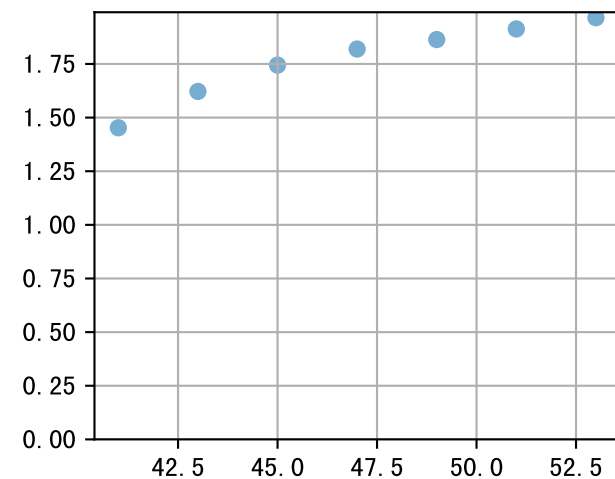
P3-6-007-11L16 (fit failed)



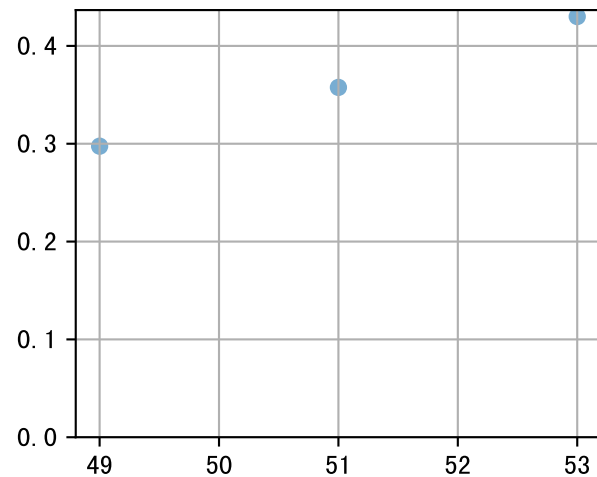
P3-6-007-11L7 (fit failed)



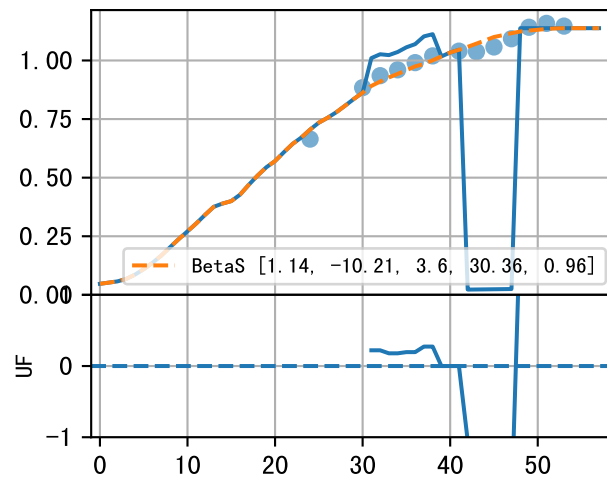
P3-6-011-7L12 (fit failed)



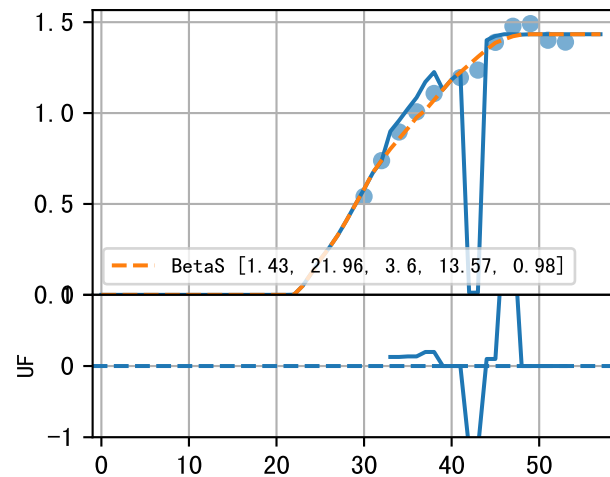
P3-6-011-7L15 (fit failed)



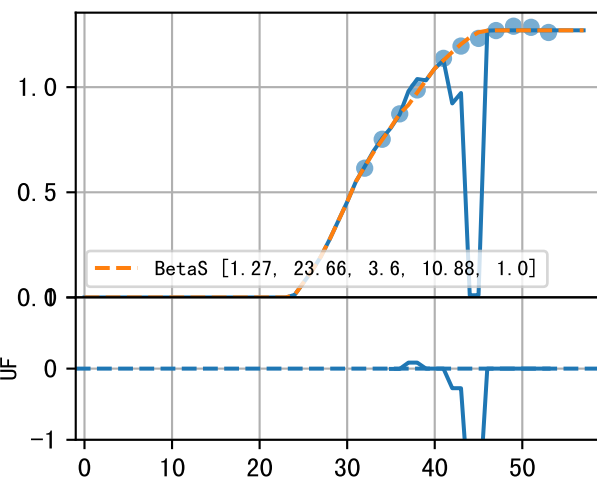
P3-6-011-7L6



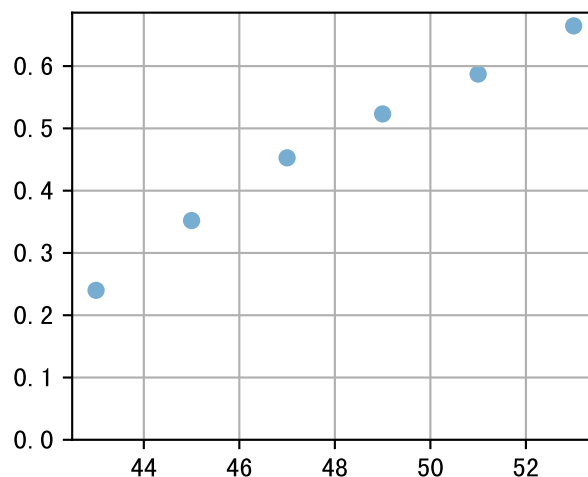
P3-6-011-7L9 (fit failed)



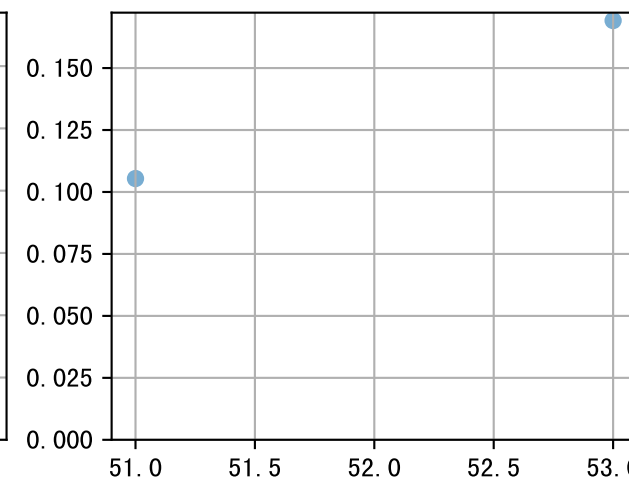
P3-6-015-30L10 (fit failed)



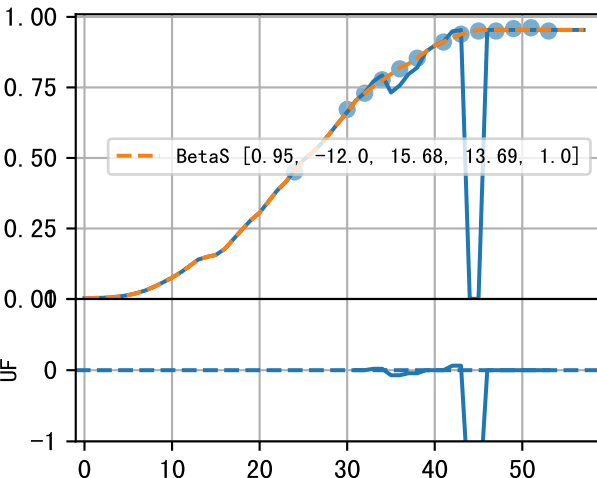
P3-6-015-30L13 (fit failed)



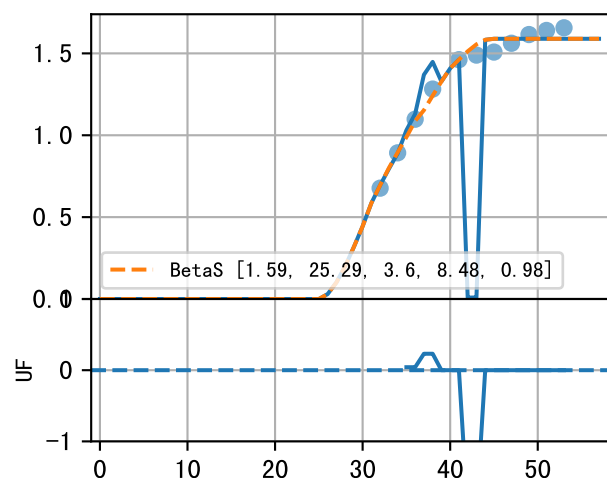
P3-6-015-30L16 (fit failed)



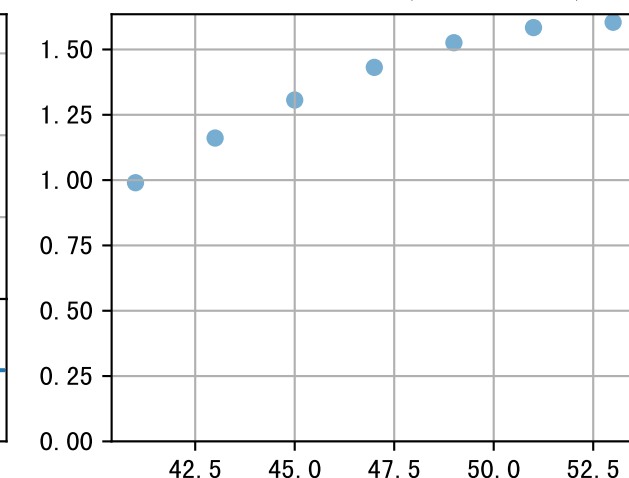
P3-6-015-30L6



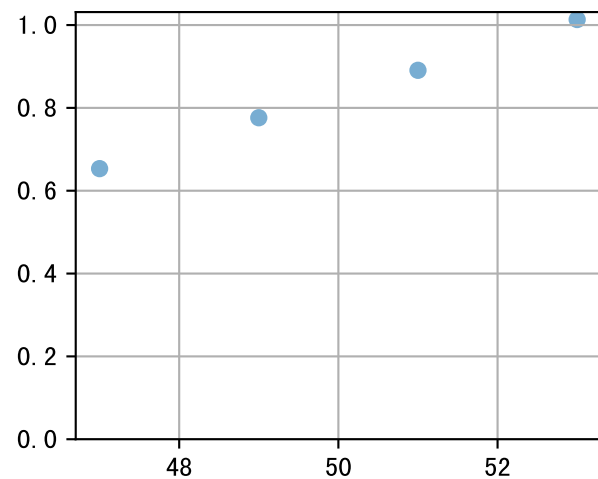
P3-6-019-12L10



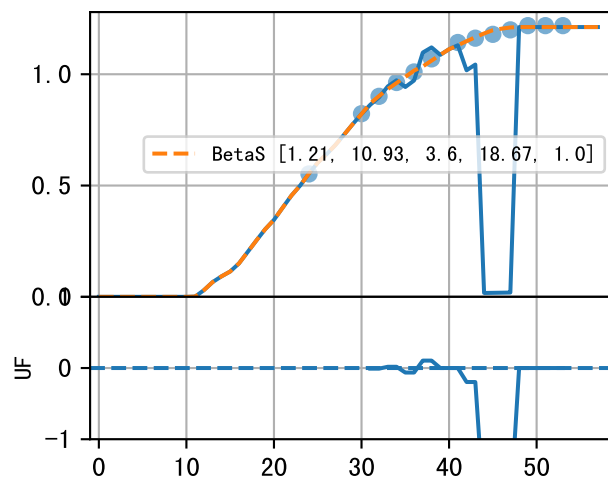
P3-6-019-12L13 (fit failed)



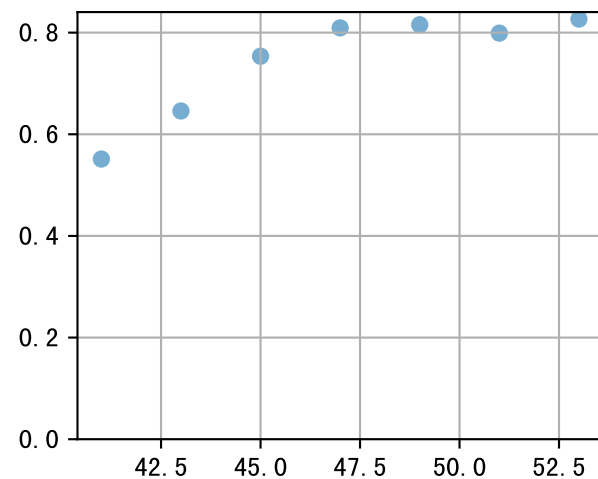
P3-6-019-12L15 (fit failed)



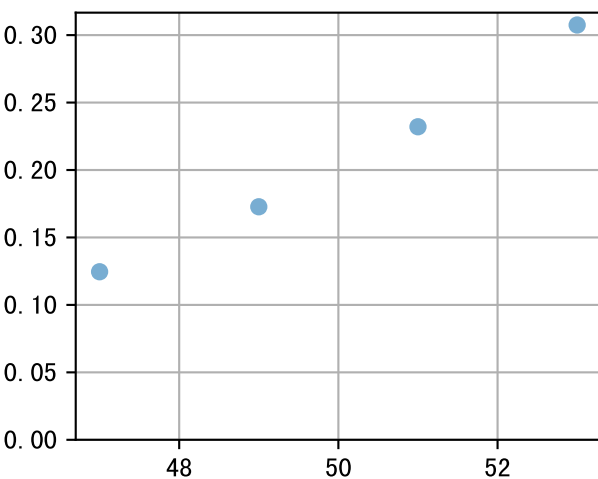
P3-6-019-12L7 (fit failed)



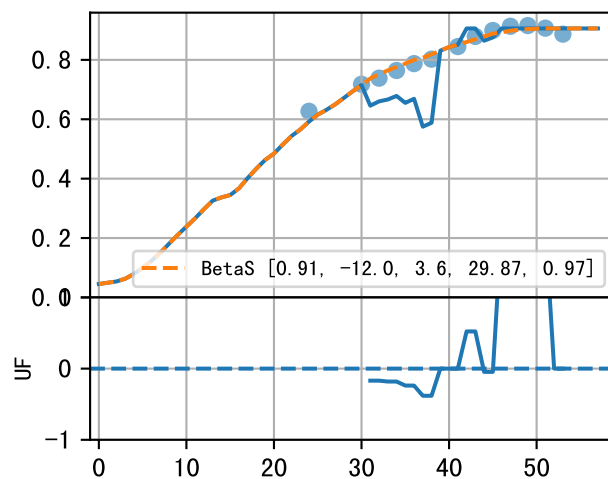
P3-6-024-25L12 (fit failed)



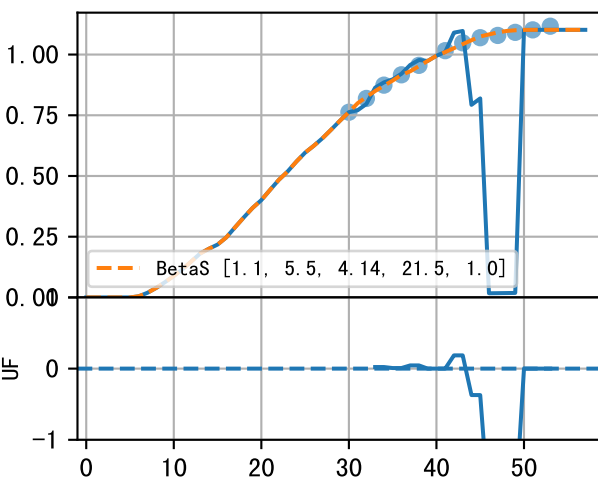
P3-6-024-25L15 (fit failed)



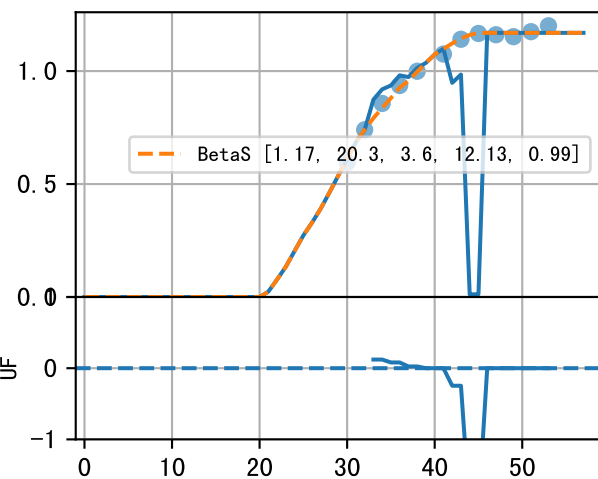
P3-6-024-25L6 (fit failed)



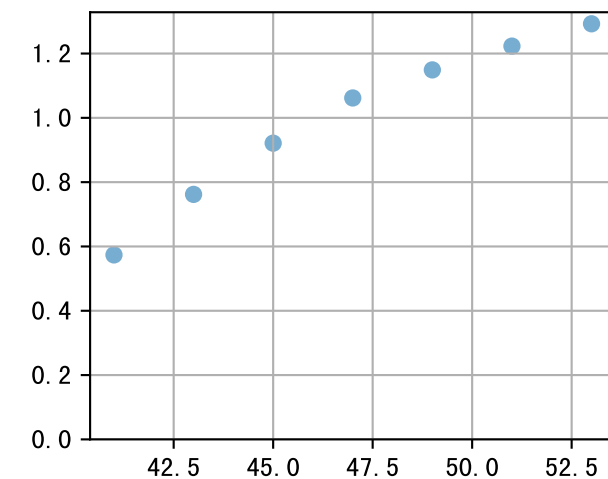
P3-6-024-25L9 (fit failed)



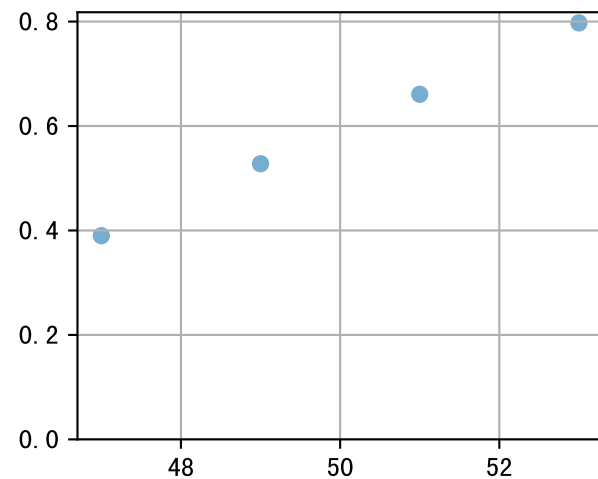
P3-6-028-32L10



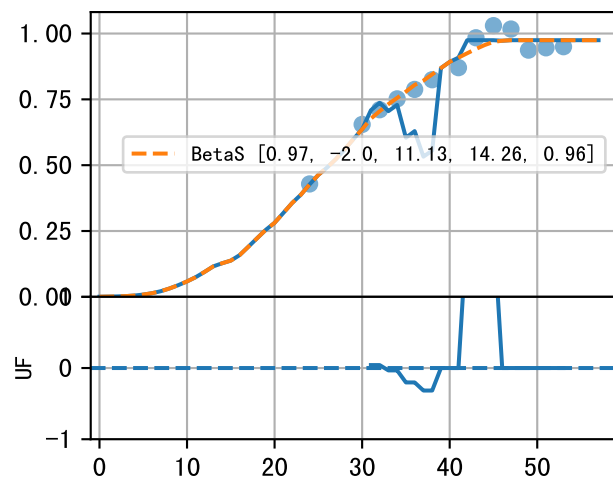
P3-6-028-32L13 (fit failed)



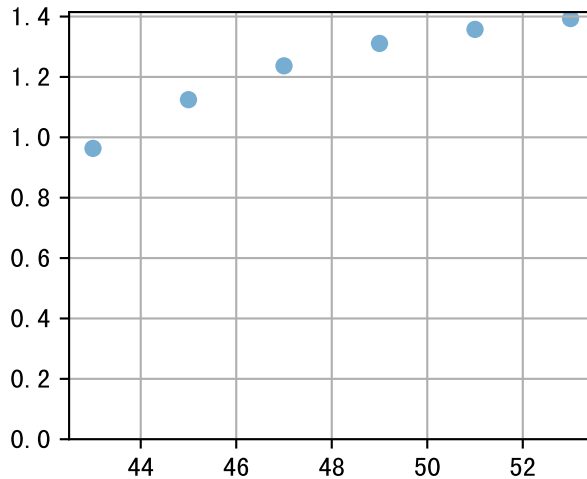
P3-6-028-32L16 (fit failed)



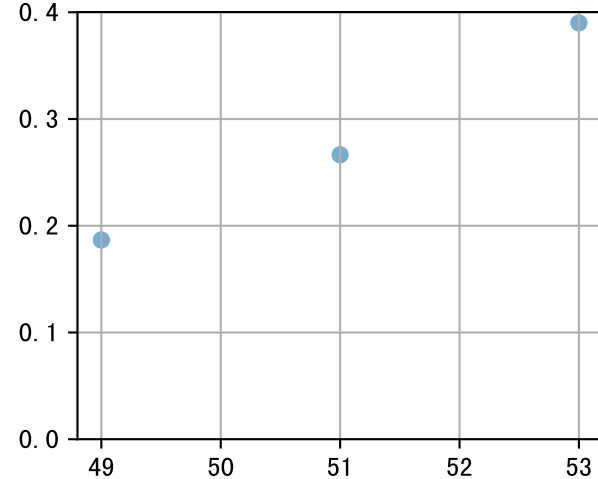
P3-6-028-32L7 (fit failed)



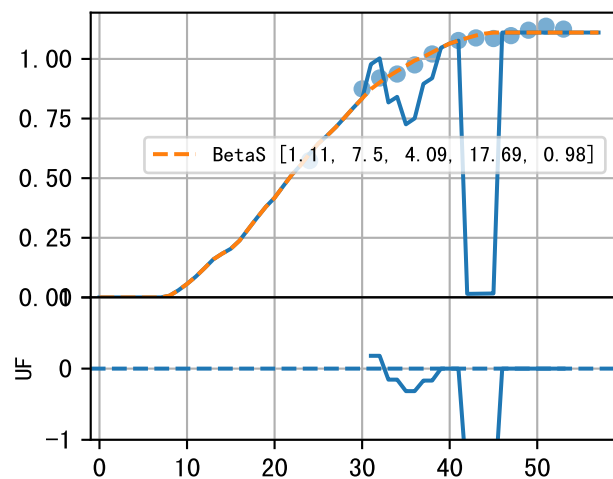
P3-6-033-9L12 (fit failed)



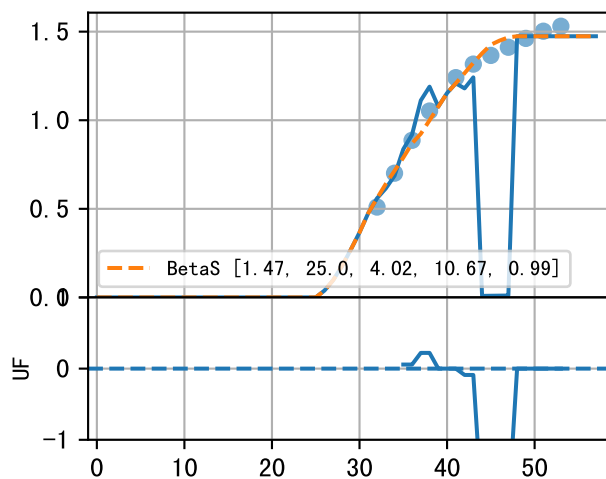
P3-6-033-9L15 (fit failed)



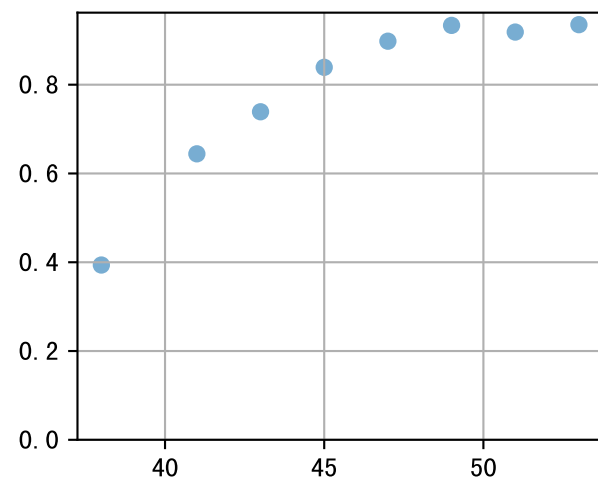
P3-6-033-9L6 (fit failed)



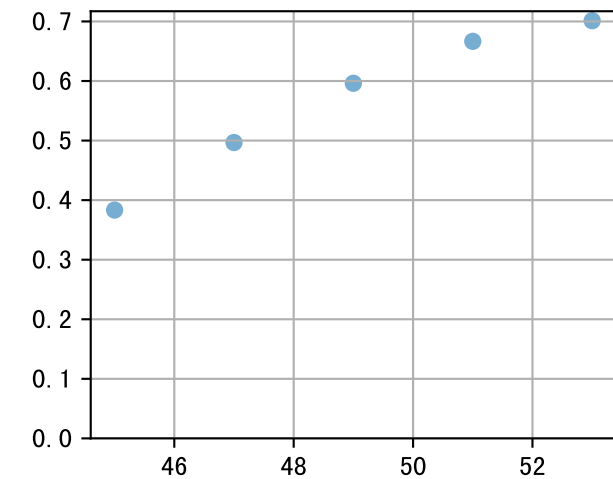
P3-6-033-9L9 (fit failed)



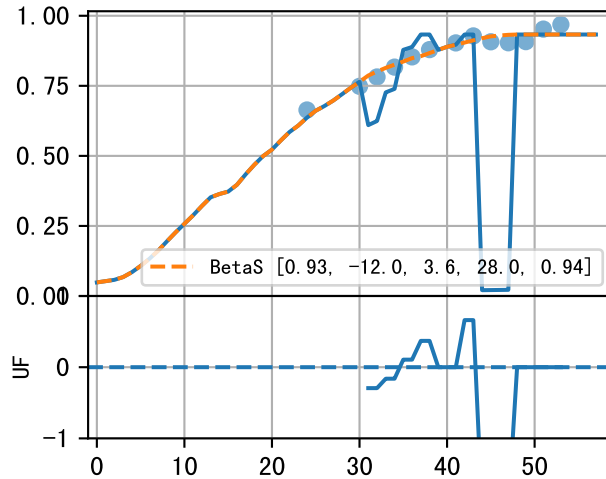
P3-6-038-21L12 (fit failed)



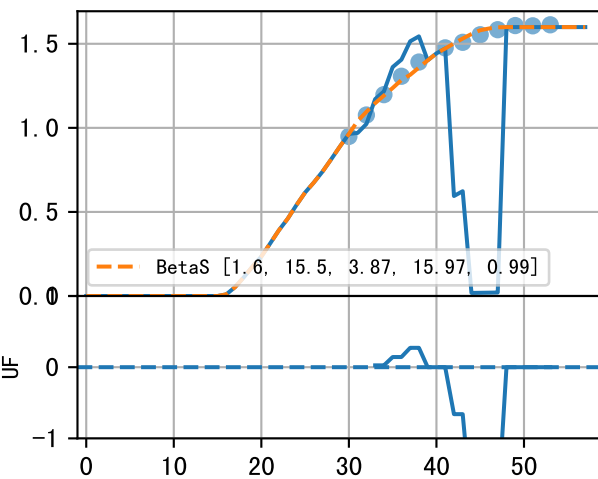
P3-6-038-21L15 (fit failed)



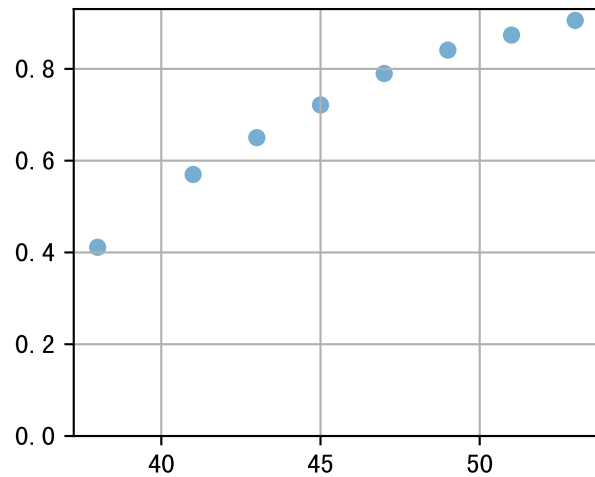
P3-6-038-21L6 (fit failed)



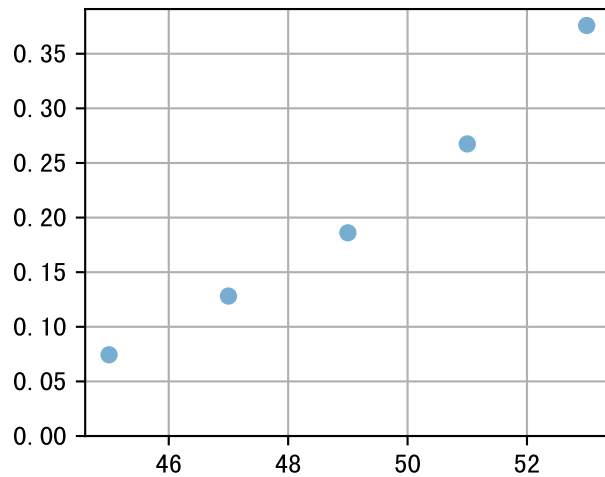
P3-6-038-21L9 (fit failed)



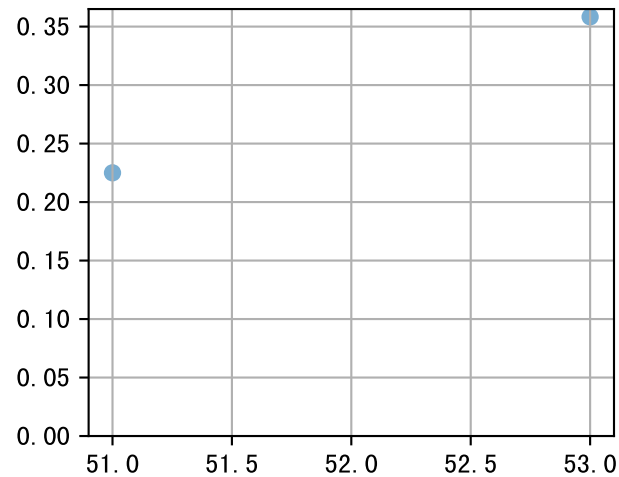
P3-6-042-4L12 (fit failed)



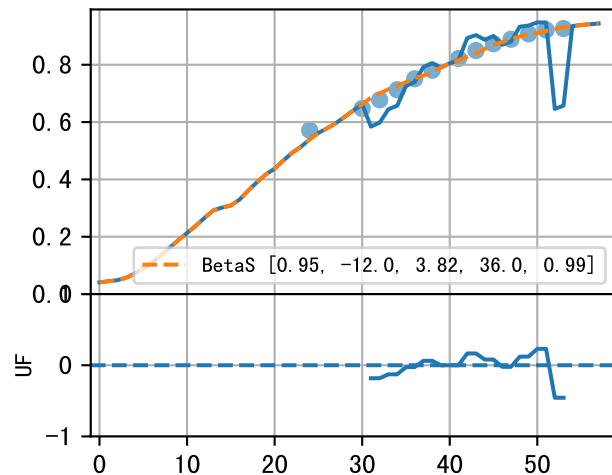
P3-6-042-4L15 (fit failed)



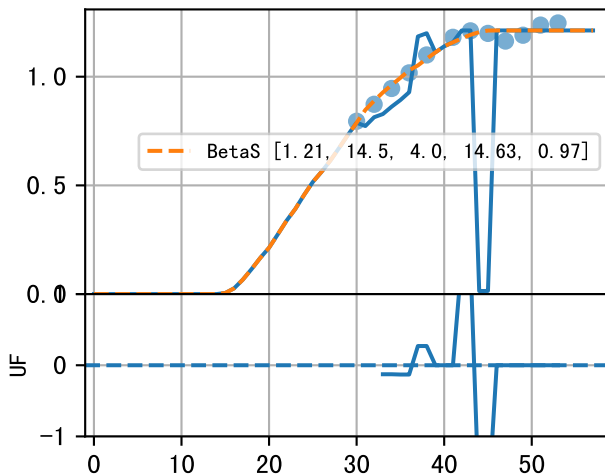
P3-6-042-4L18 (fit failed)

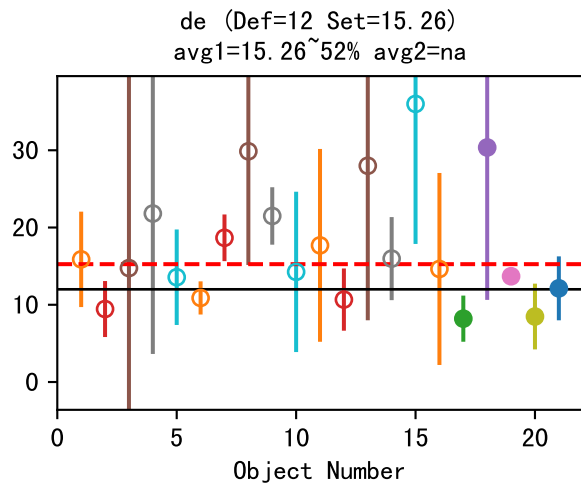
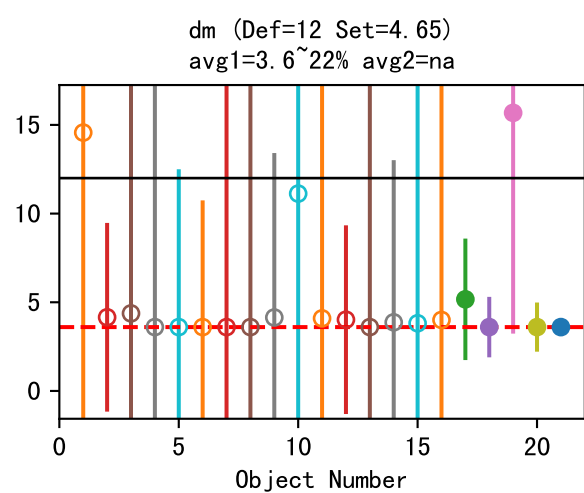
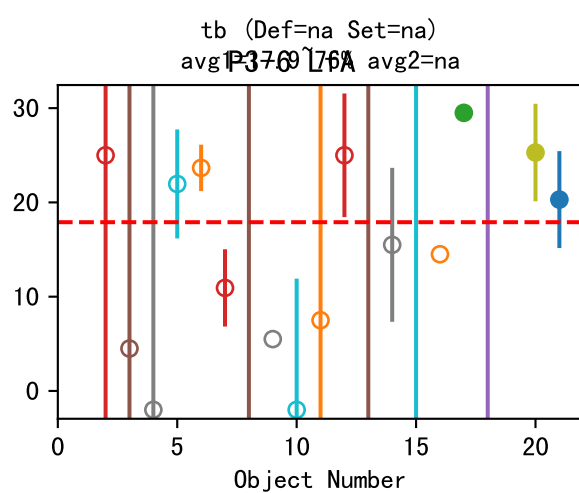
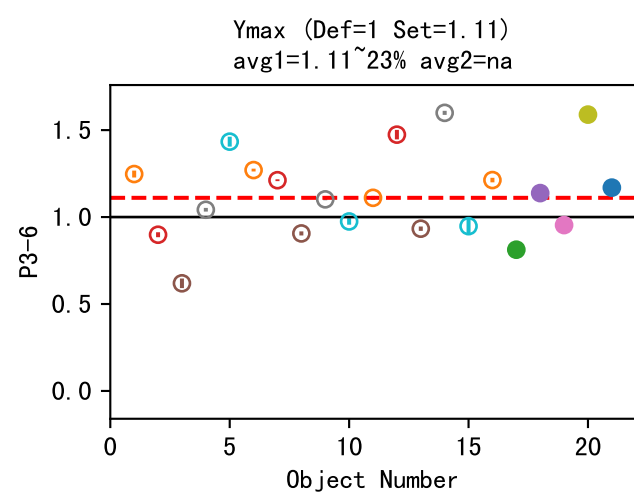


P3-6-042-4L6 (fit failed)

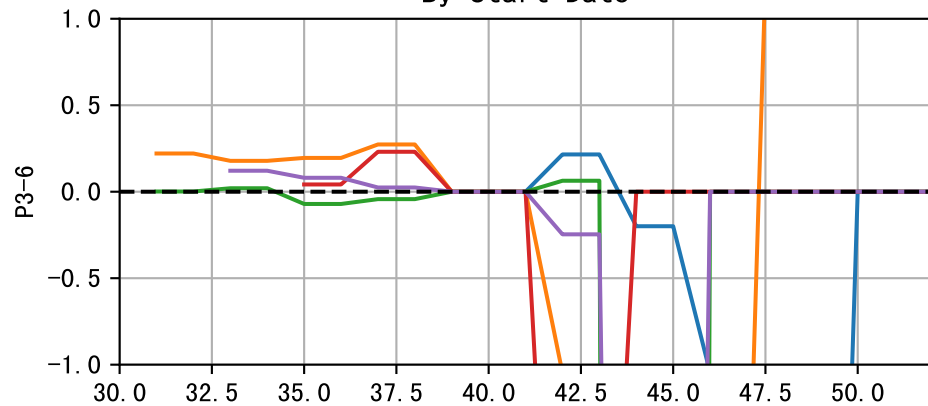


P3-6-042-4L9 (fit failed)

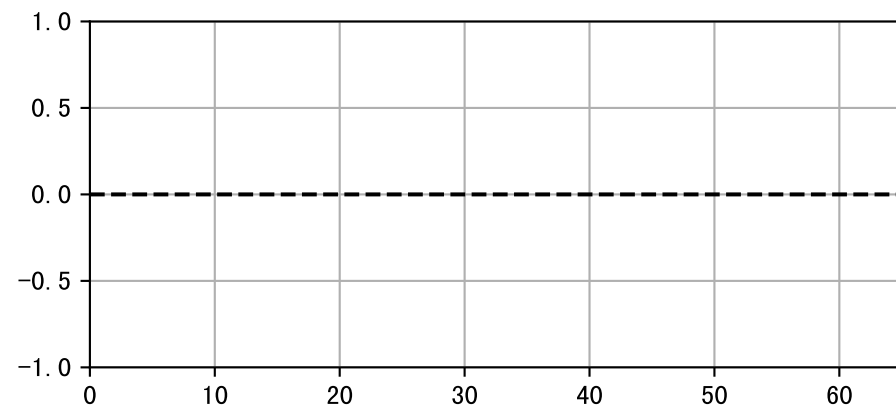
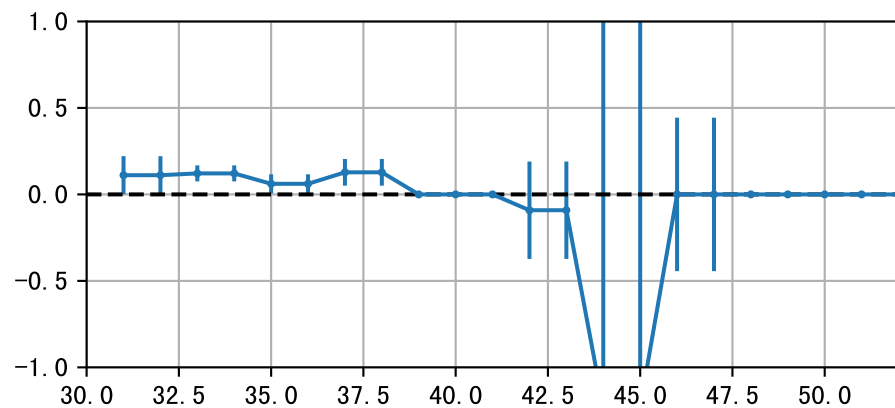
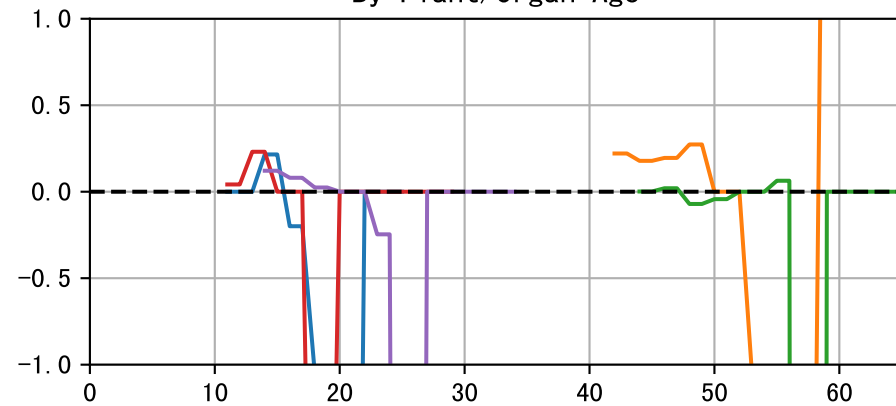


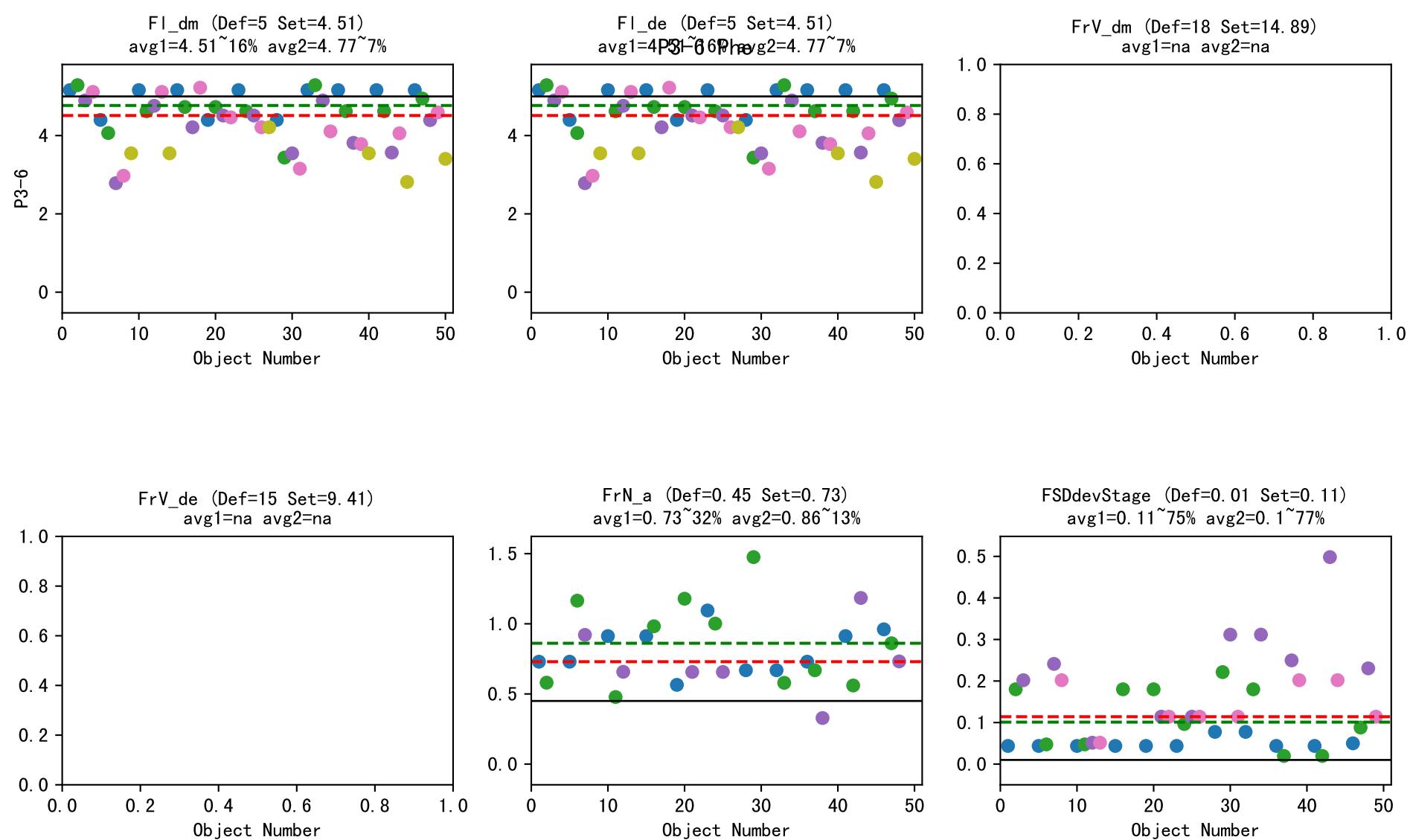


By Start Date

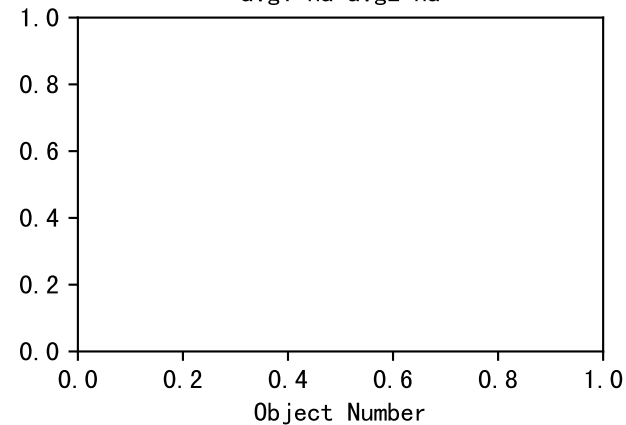


By Plant/Organ Age

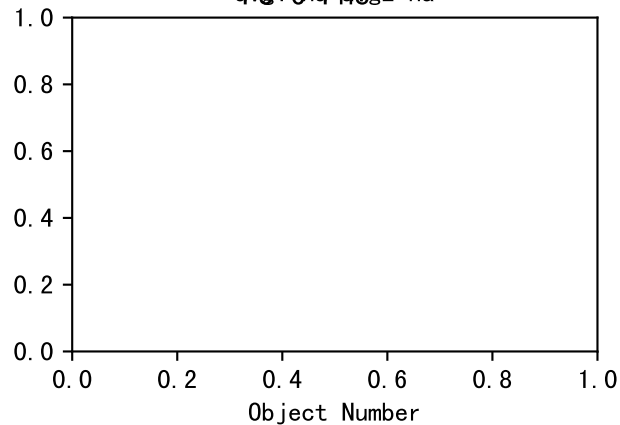




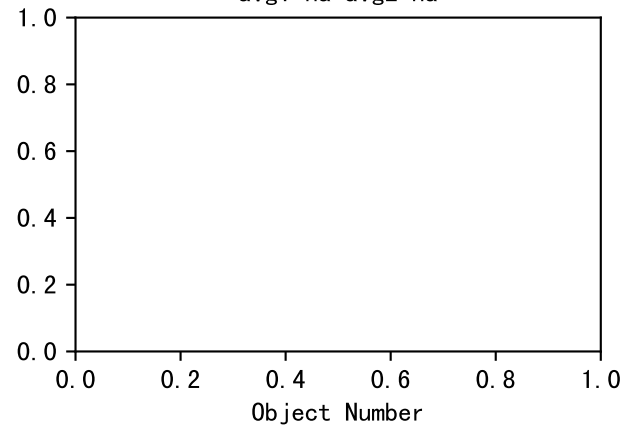
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



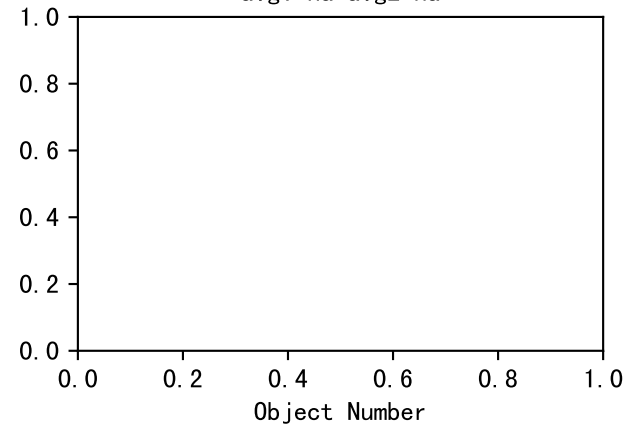
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



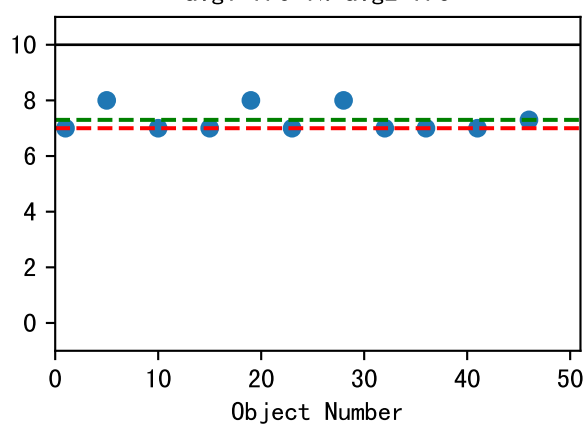
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

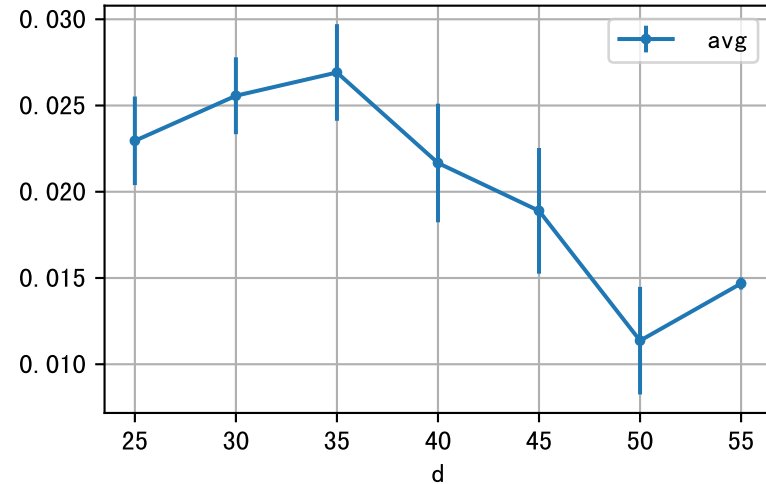


NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

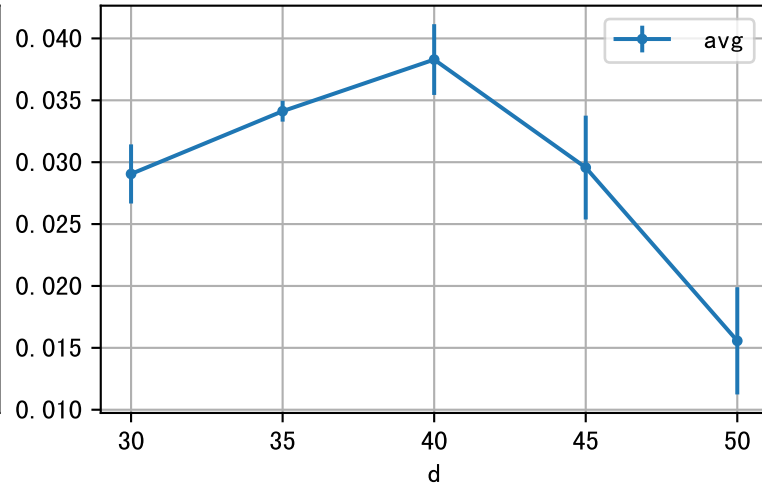


LfA: avg vs. d at each age group

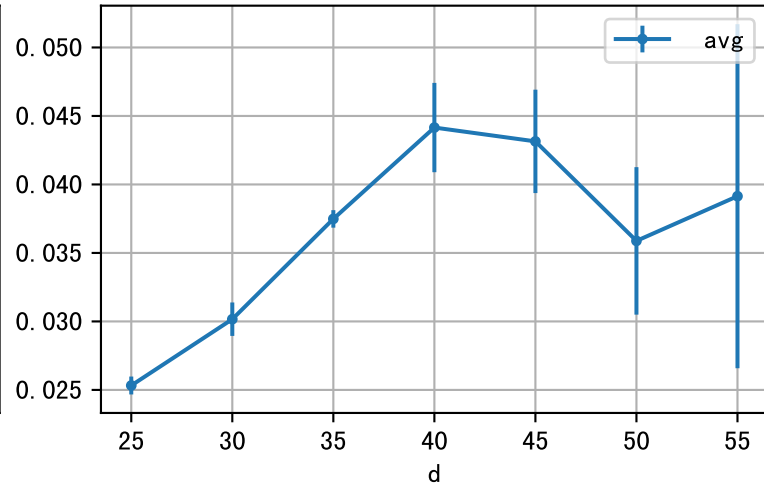
age=15



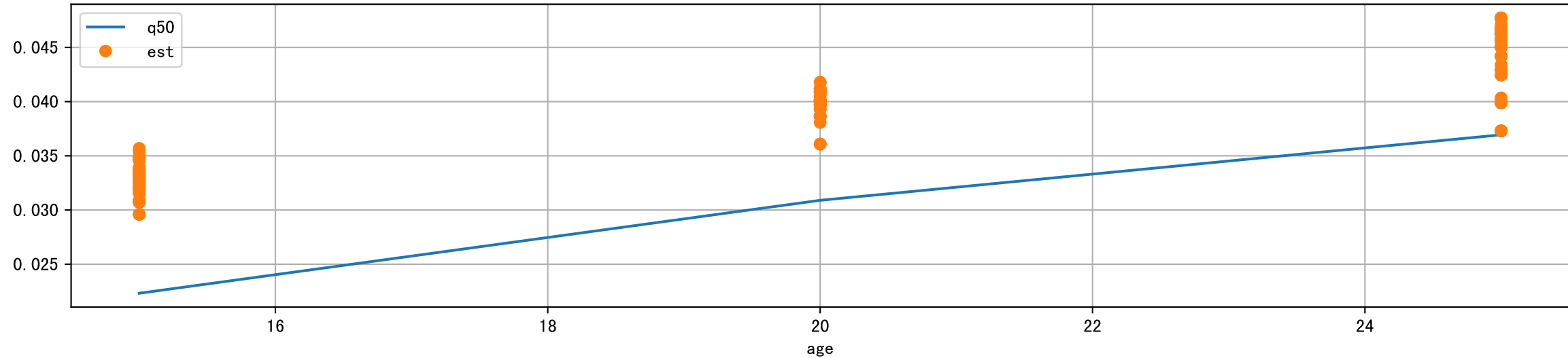
age=20



age=25

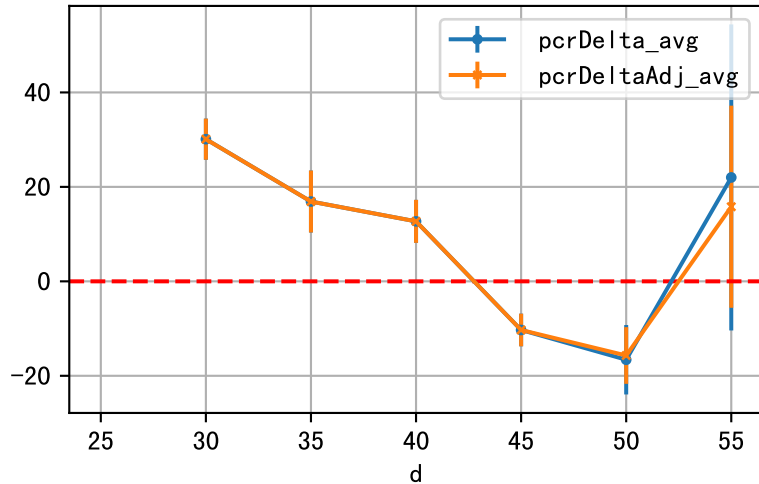
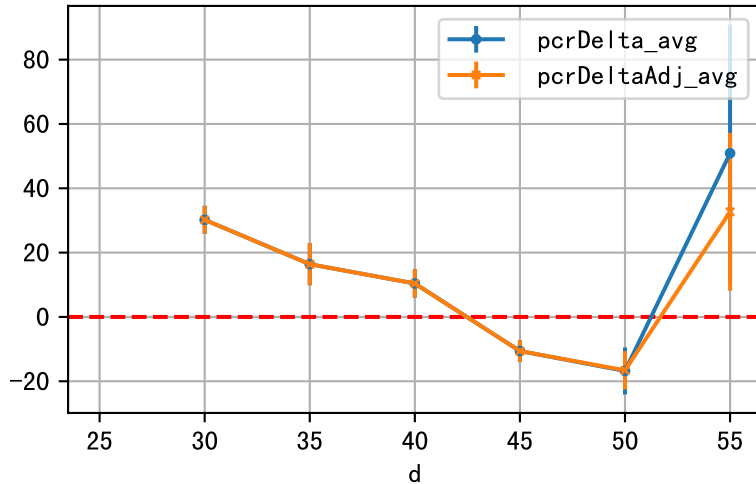
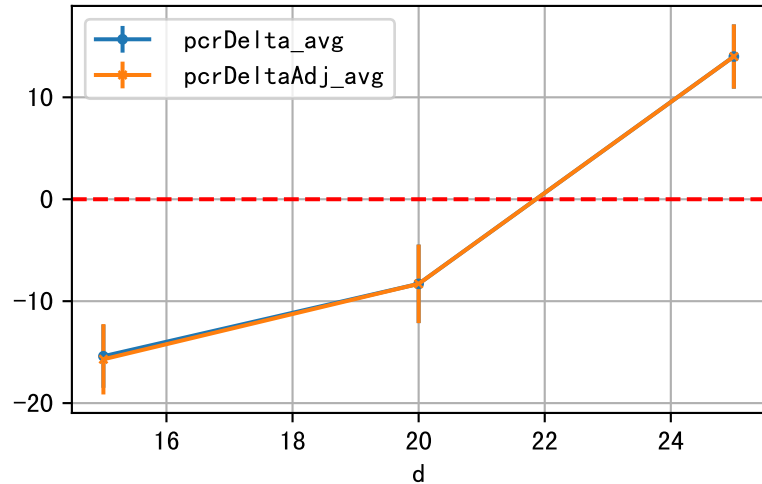


LfA: model est vs obs0v@Q50



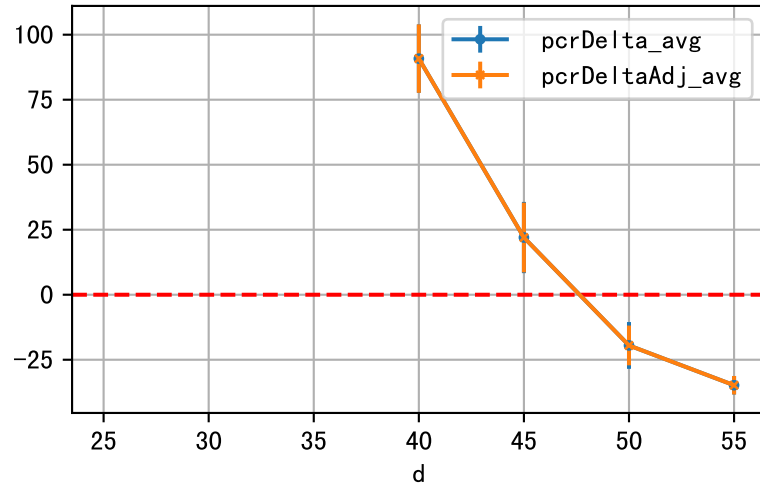
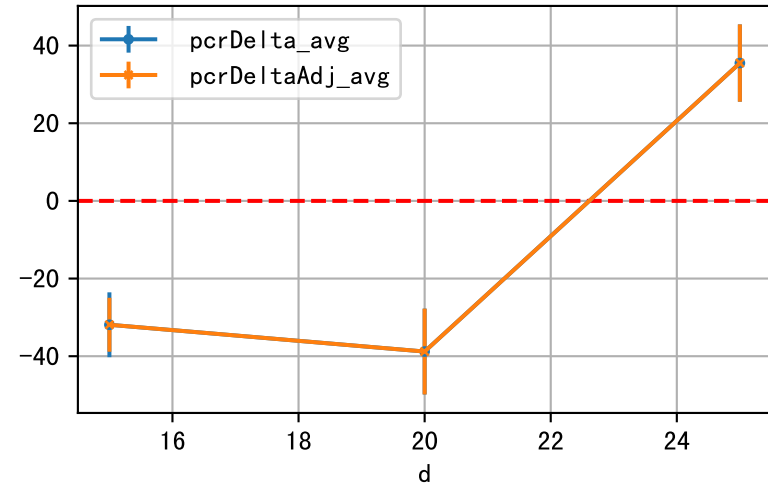
P3-6 LfA: D_5d_LfA

DeltaTypeAbbr=GrpByDay

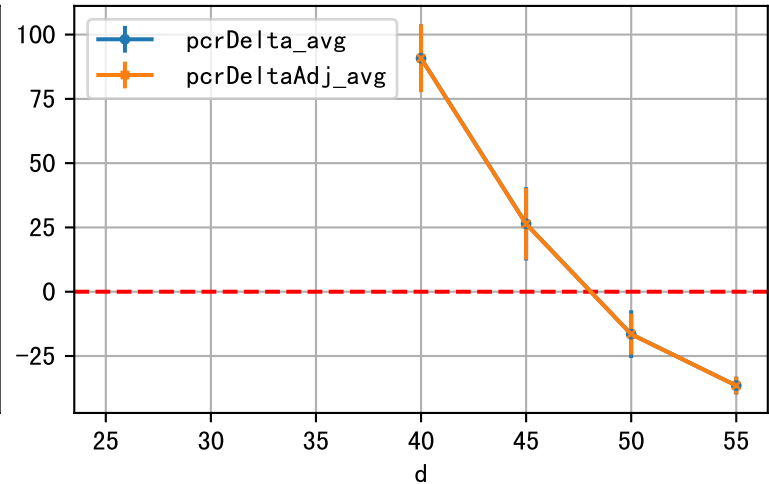


P3-6 LfA: D_15d_LfA

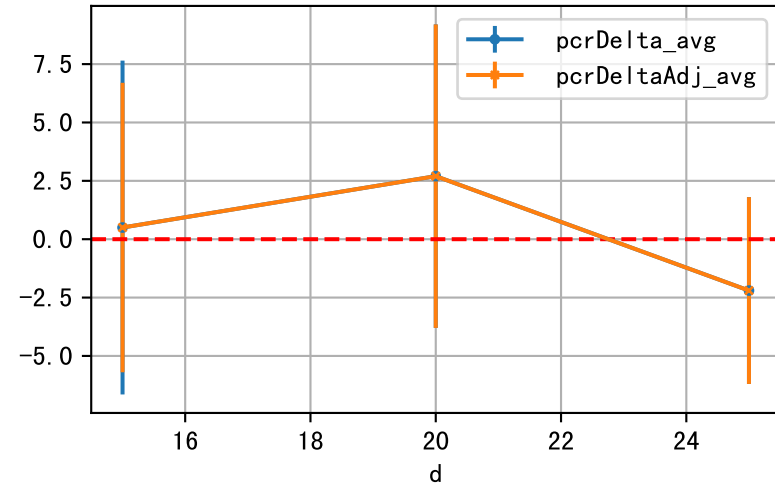
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

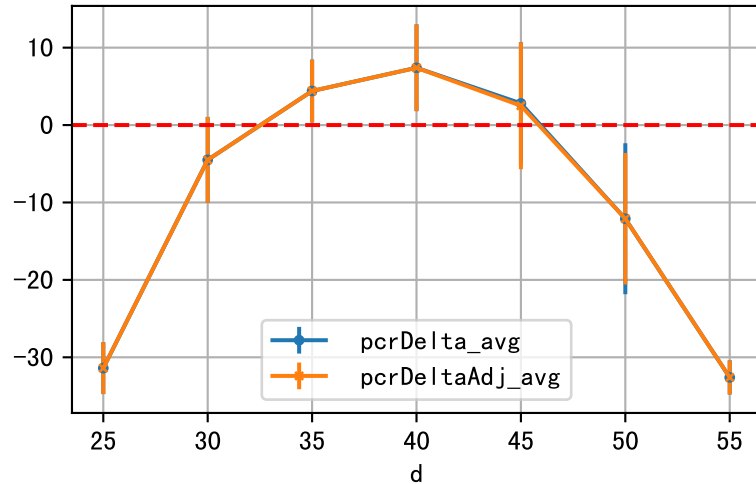


DeltaTypeAbbr=GrpByAge

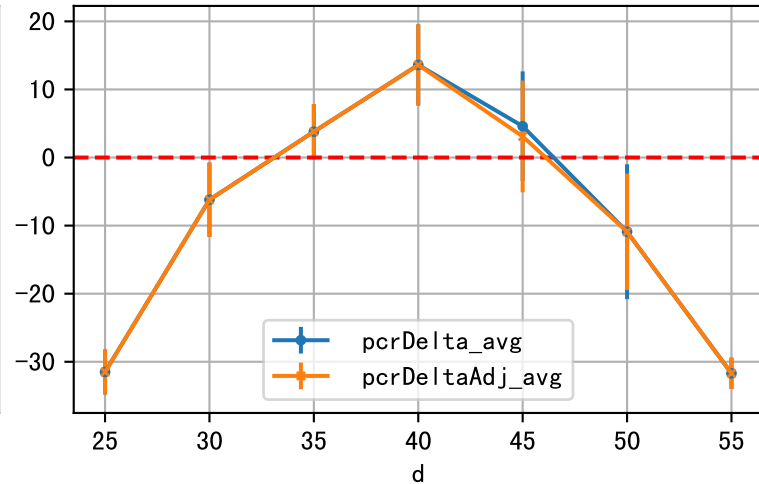


P3-6 LfA: D_Q50_LfA

DeltaTypeAbbr=GrpByDay

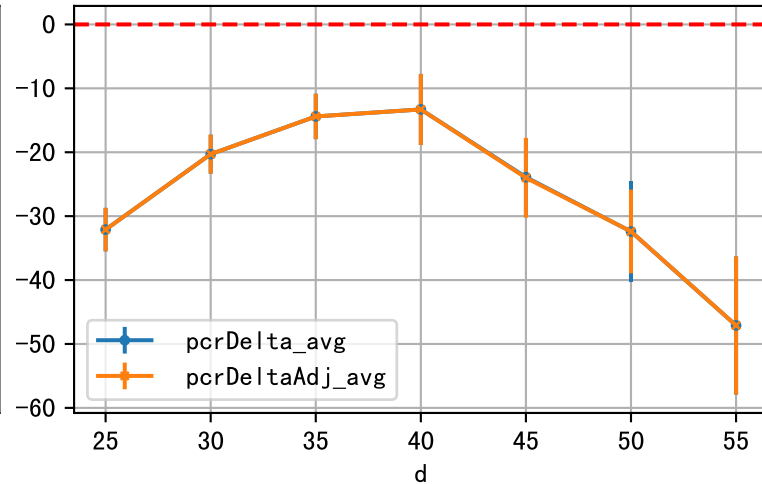


DeltaTypeAbbr=Wei AvgByD

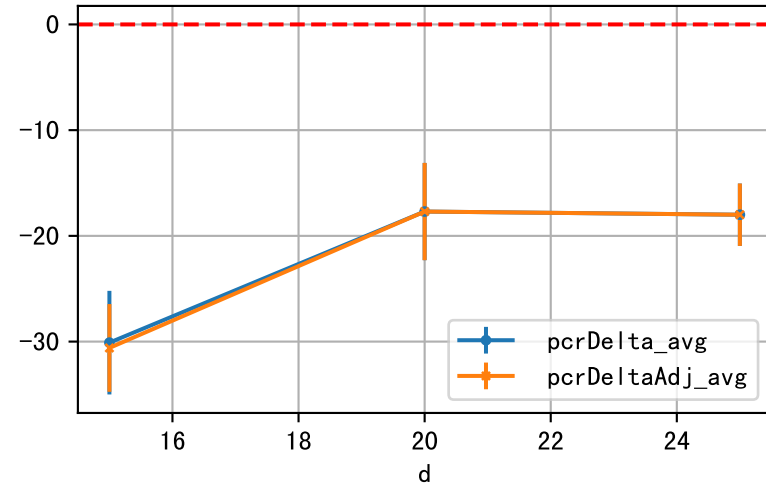


P3-6 LfA: D_Est_LfA

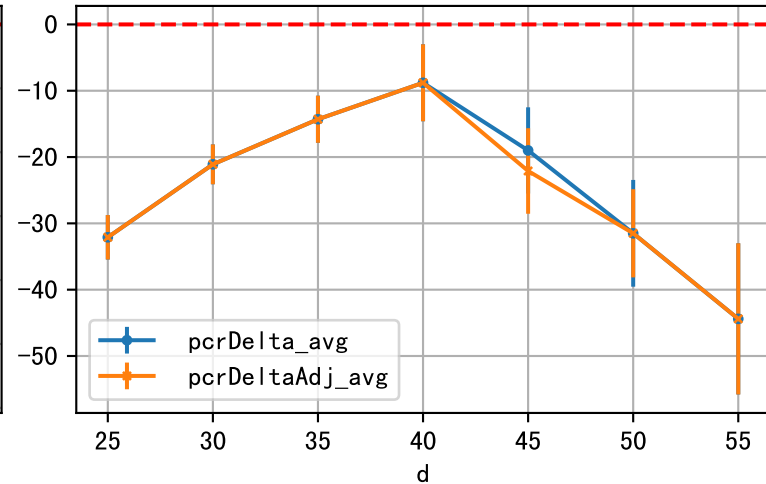
DeltaTypeAbbr=GrpByDay



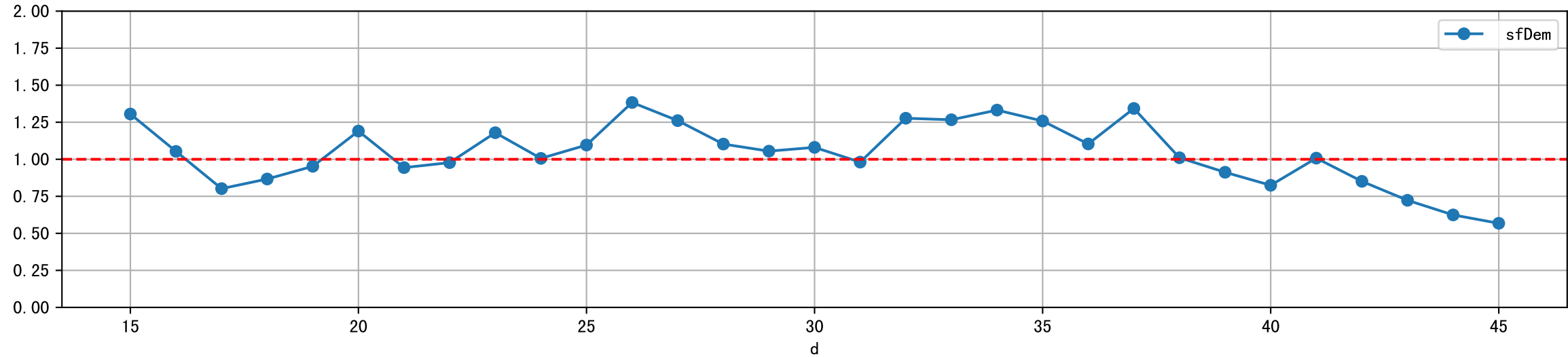
DeltaTypeAbbr=GrpByAge

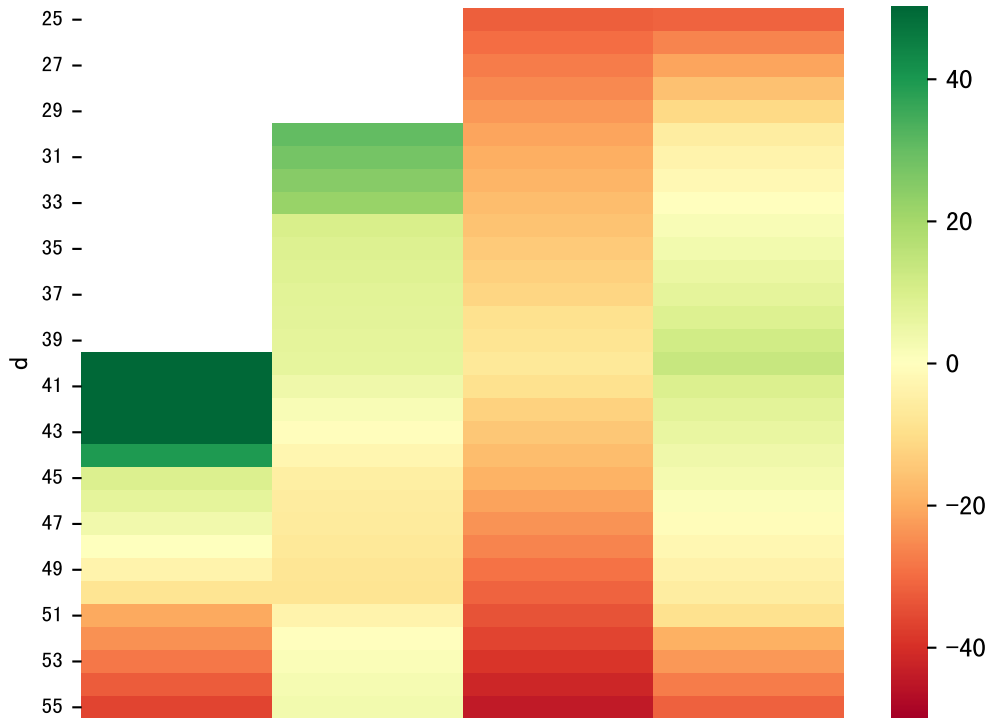


DeltaTypeAbbr=Wei AvgByD



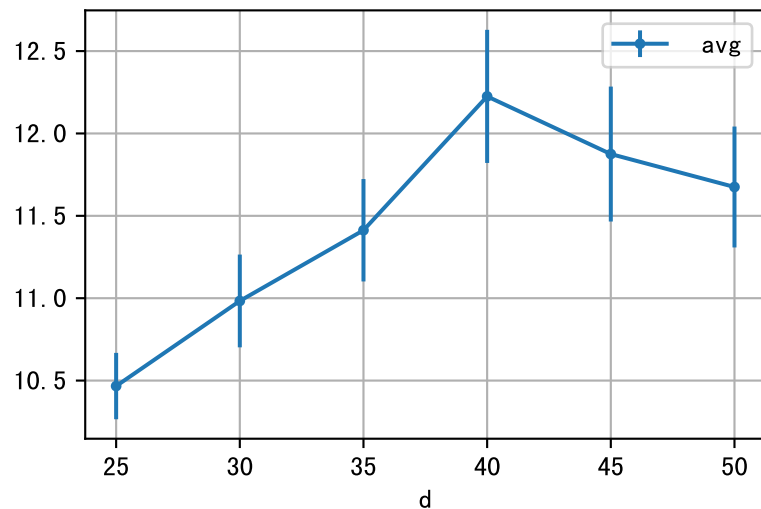
LfA: sfDem



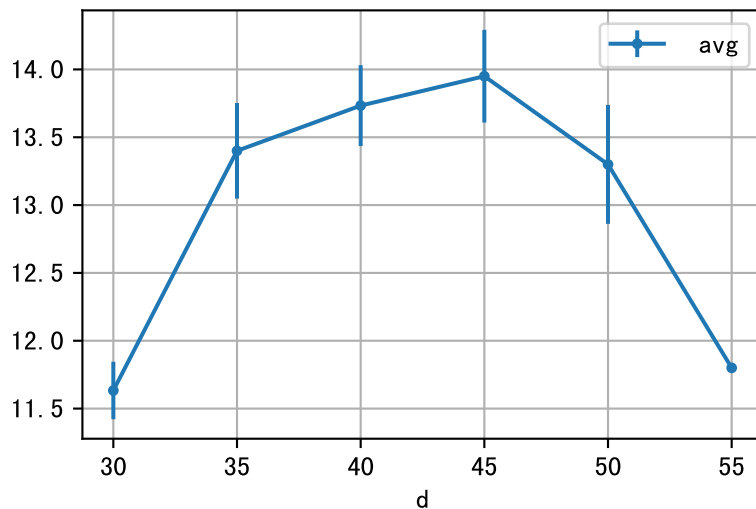


NdD: avg vs. d at each age group

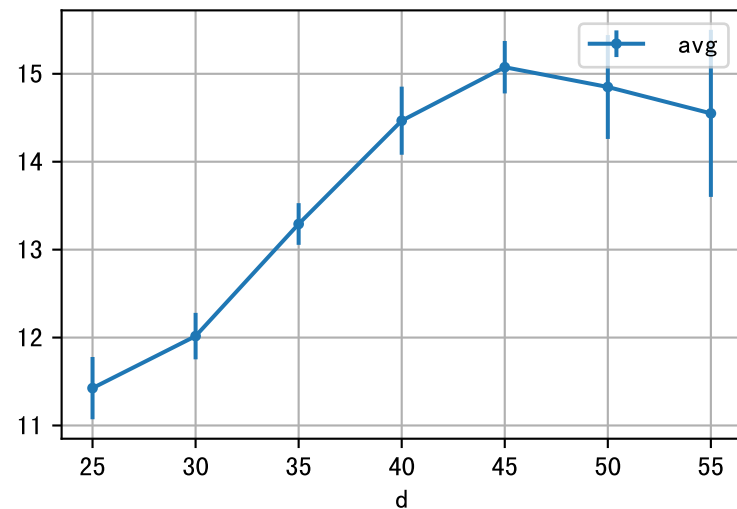
age=15



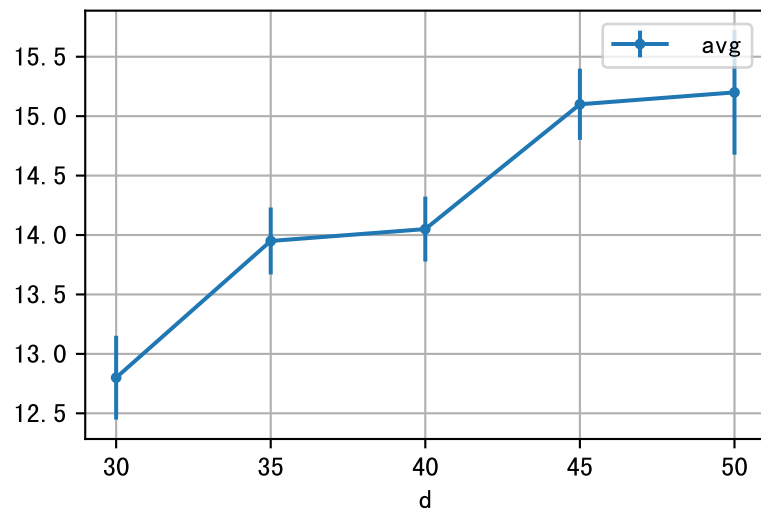
age=20



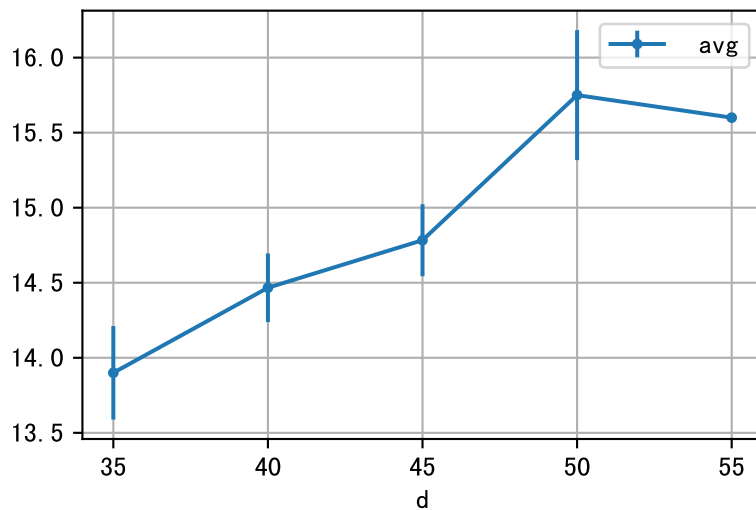
age=25



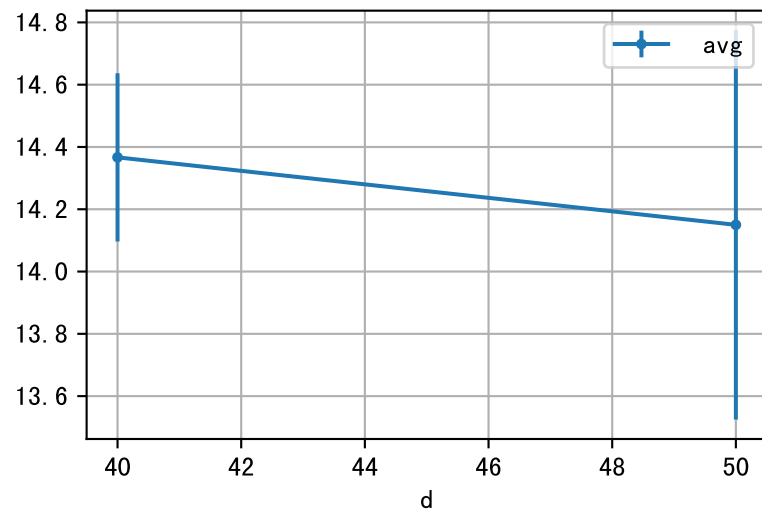
age=30



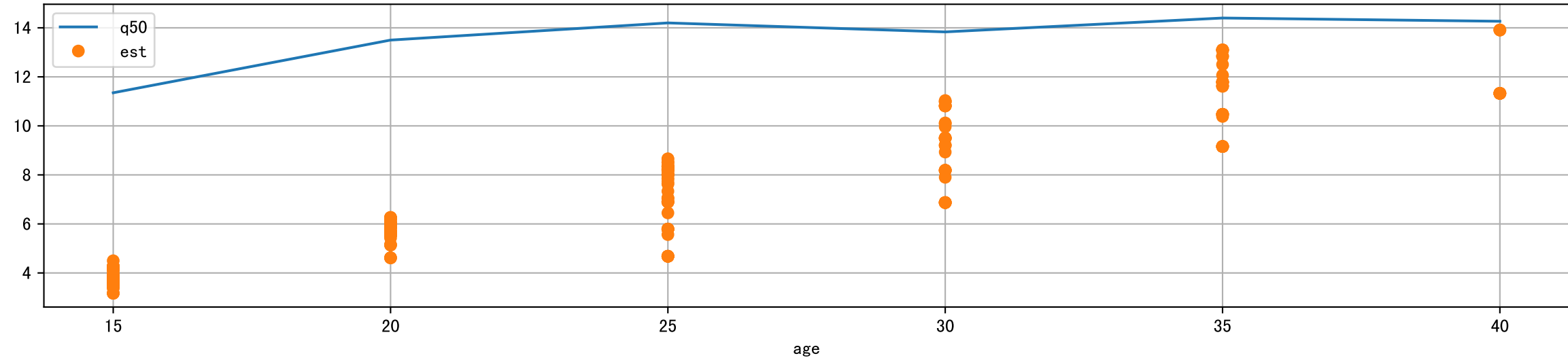
age=35



age=40

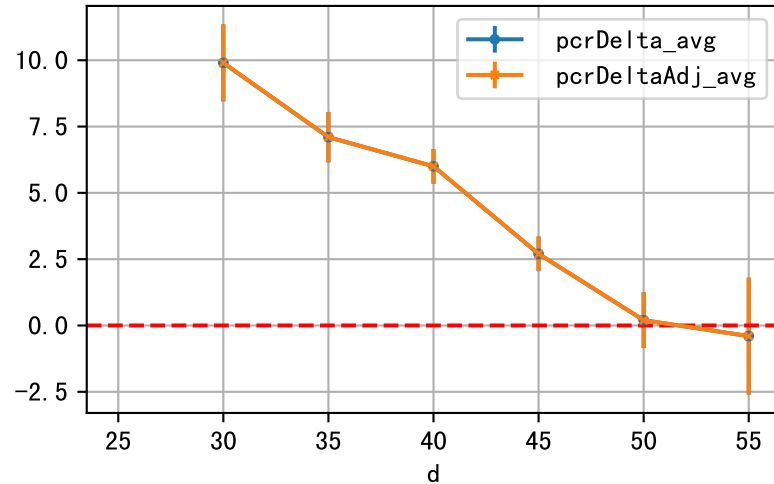


NdD: model est vs obs0v@Q50

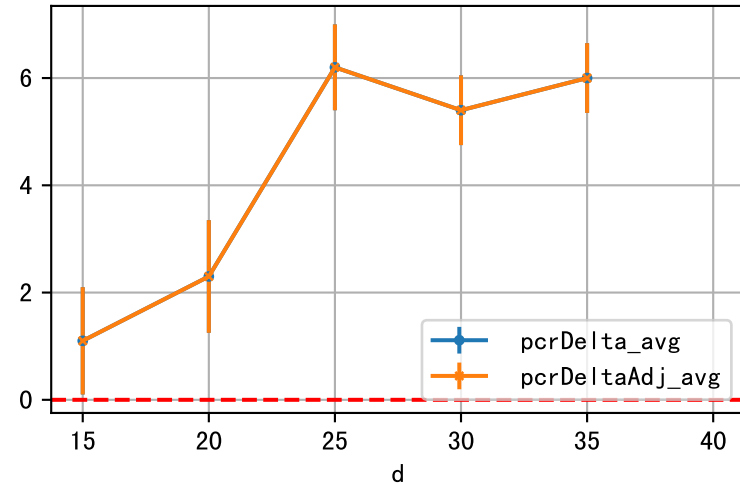


P3-6 NdD: D_5d_NdD

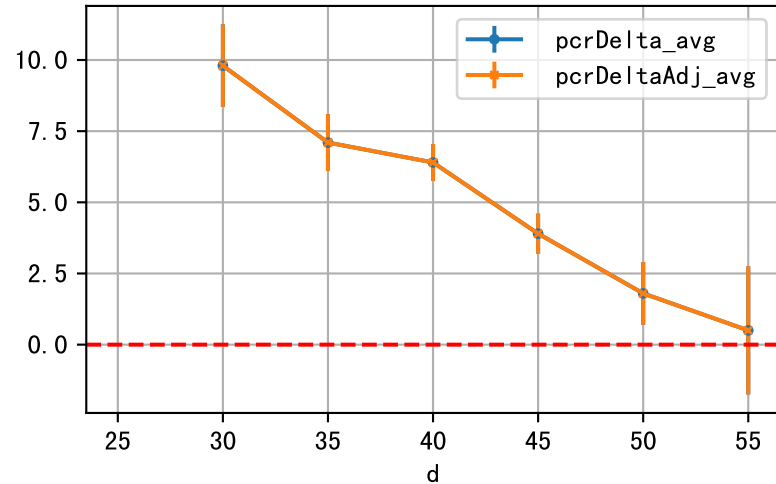
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

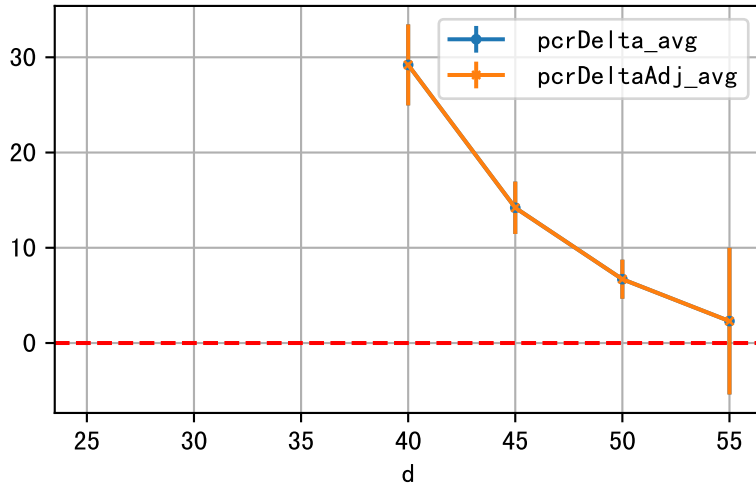


DeltaTypeAbbr=Wei AvgByD

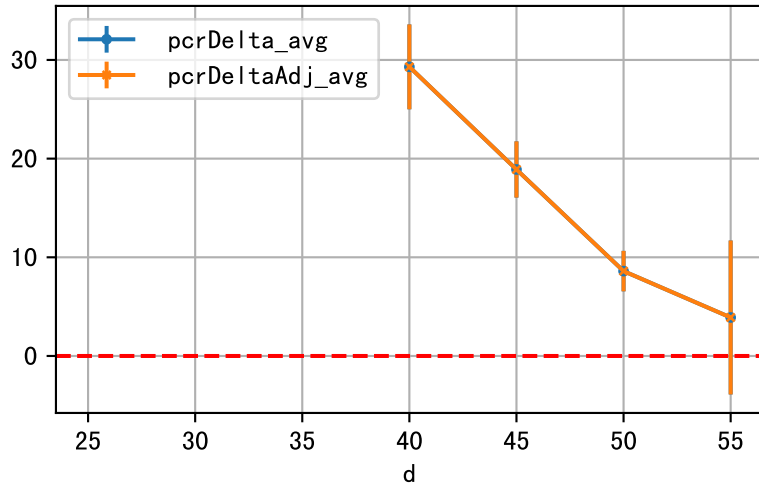


P3-6 NdD: D_15d_NdD

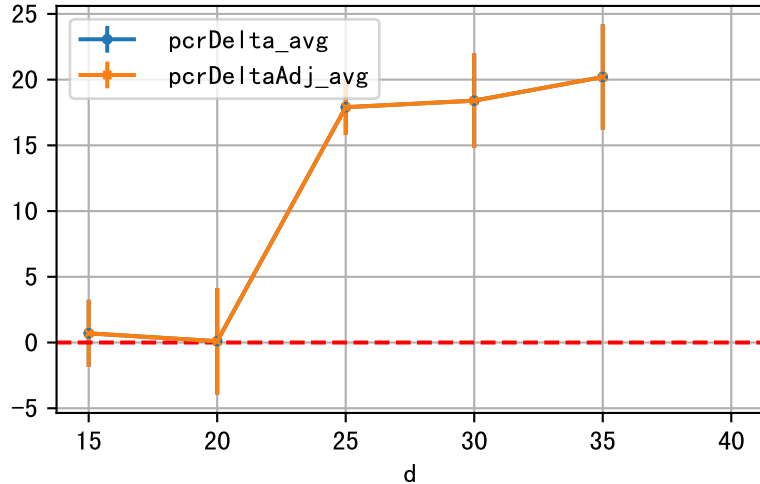
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

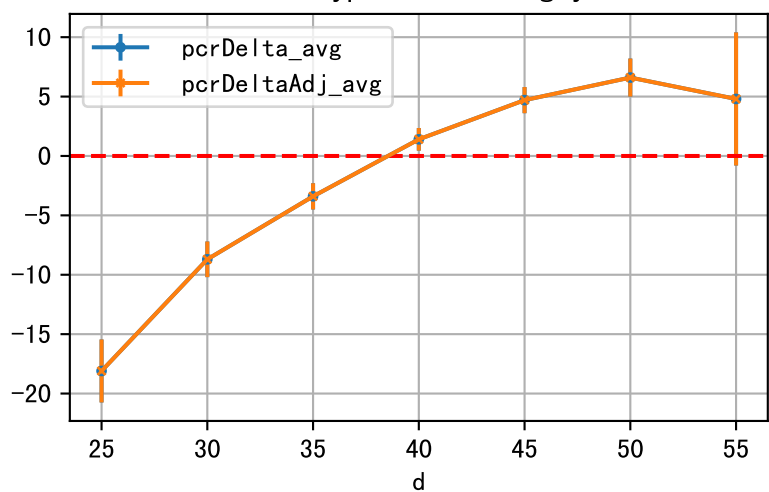
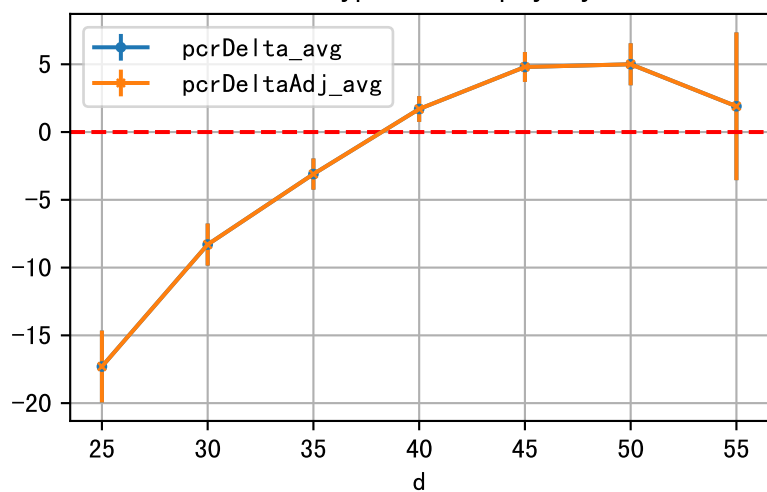
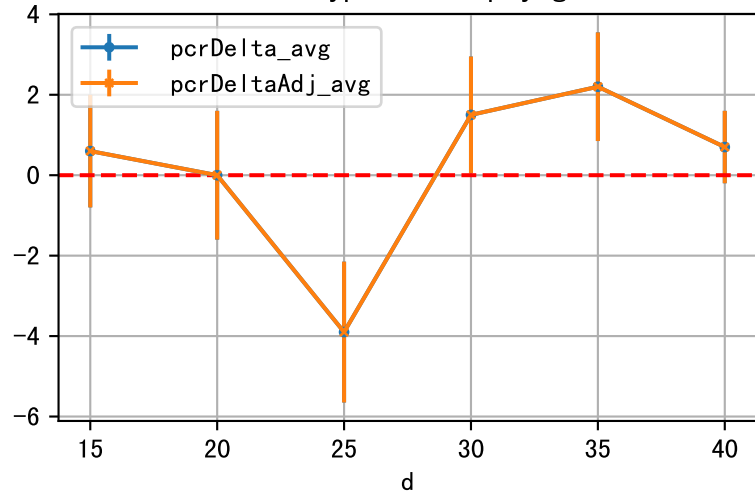


DeltaTypeAbbr=GrpByAge



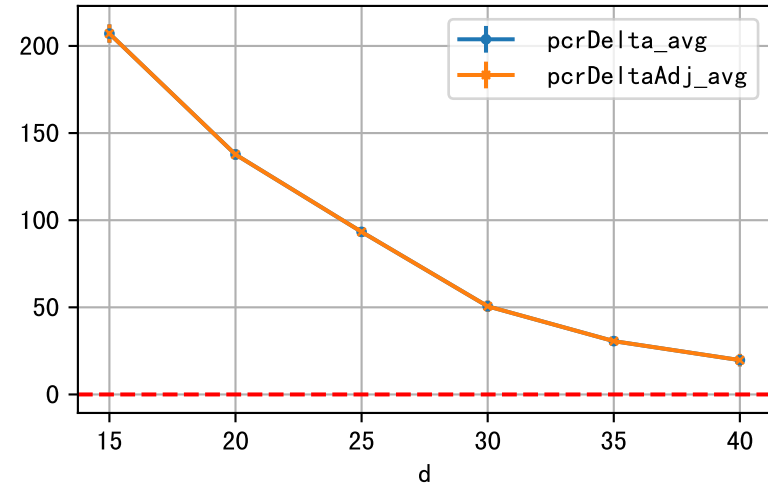
P3-6 NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByDay

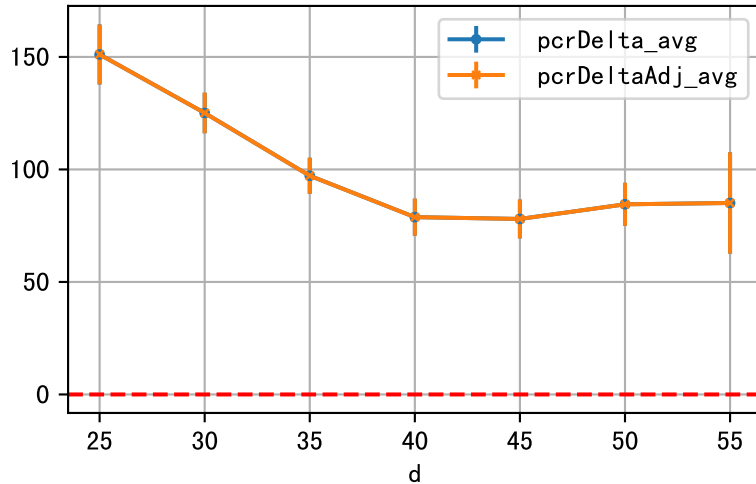


P3-6 NdD: D_Est_NdD

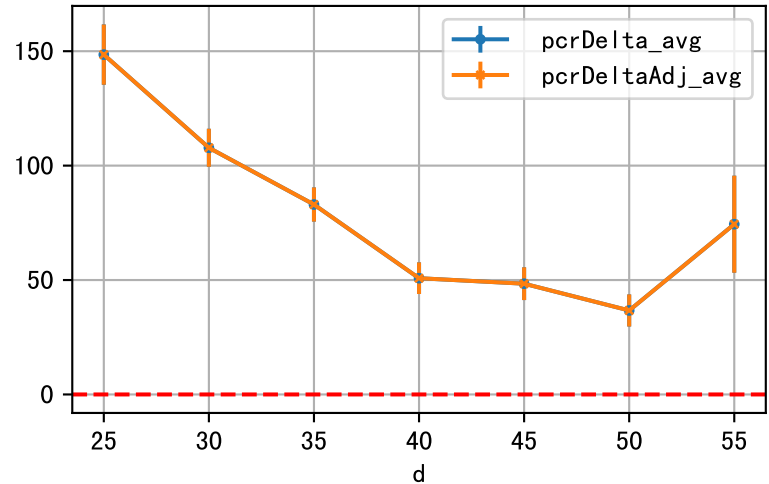
DeltaTypeAbbr=GrpByAge



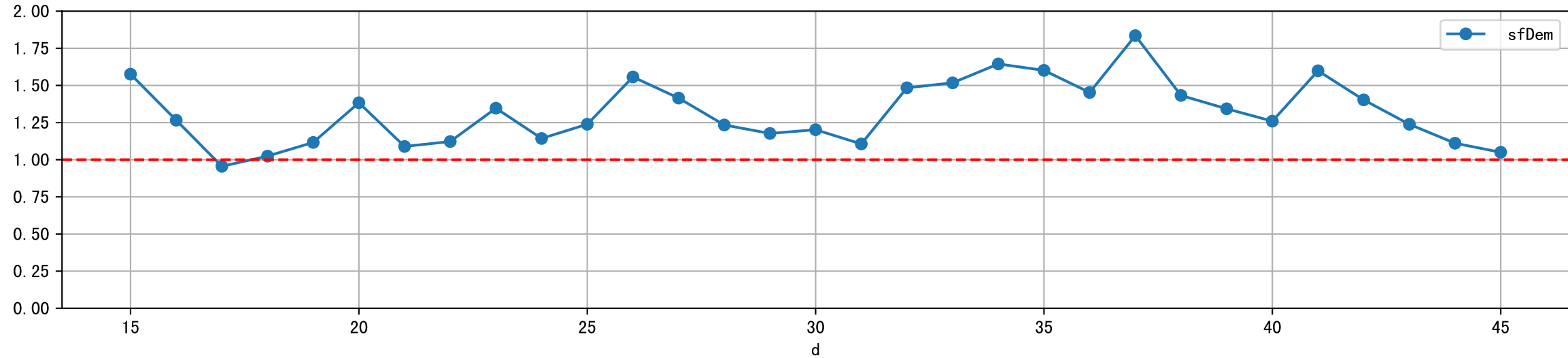
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

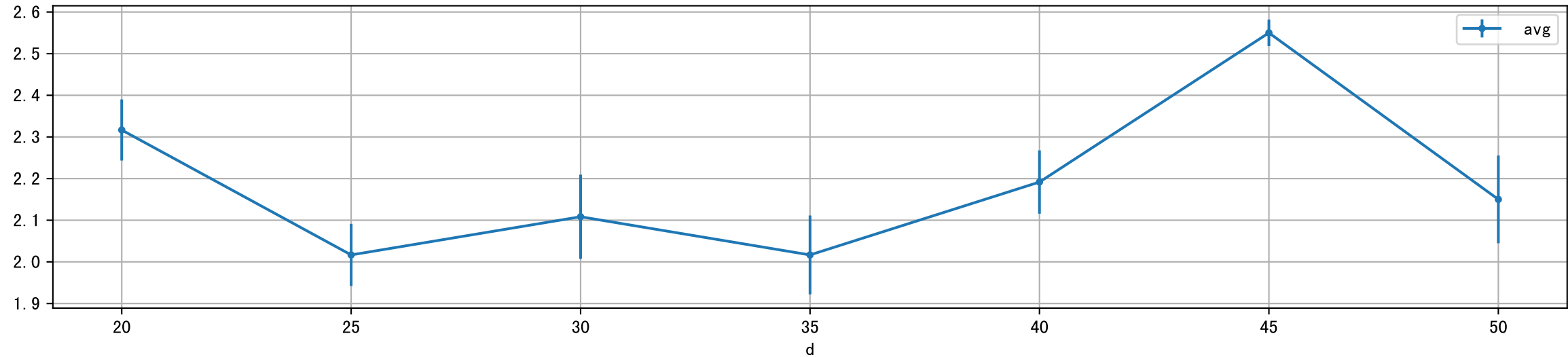


NdD: sfDem

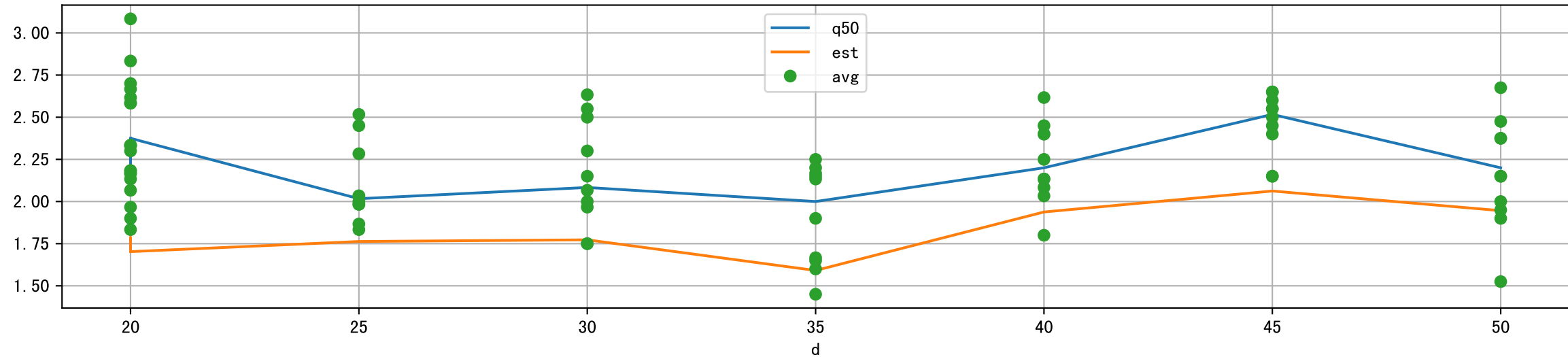




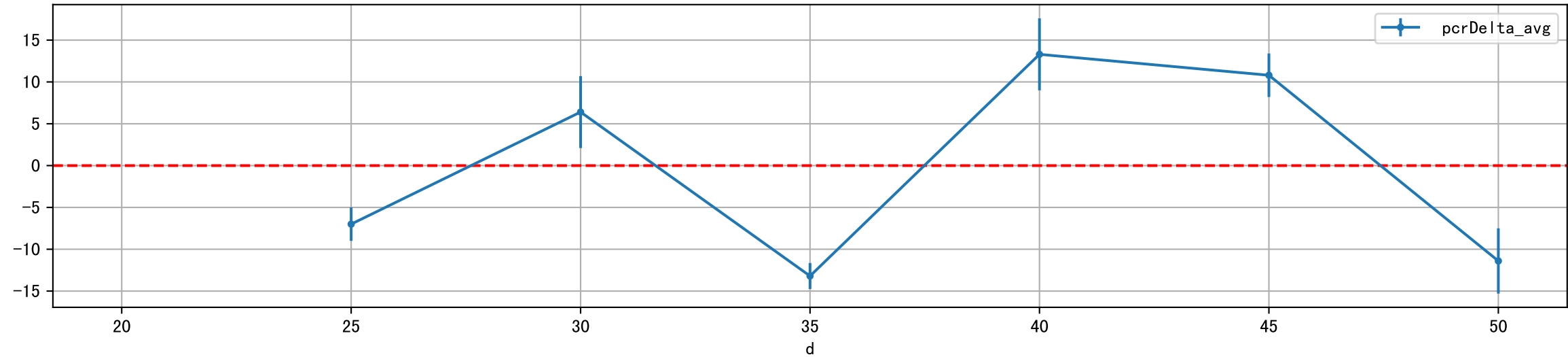
dStH: avg vs. d



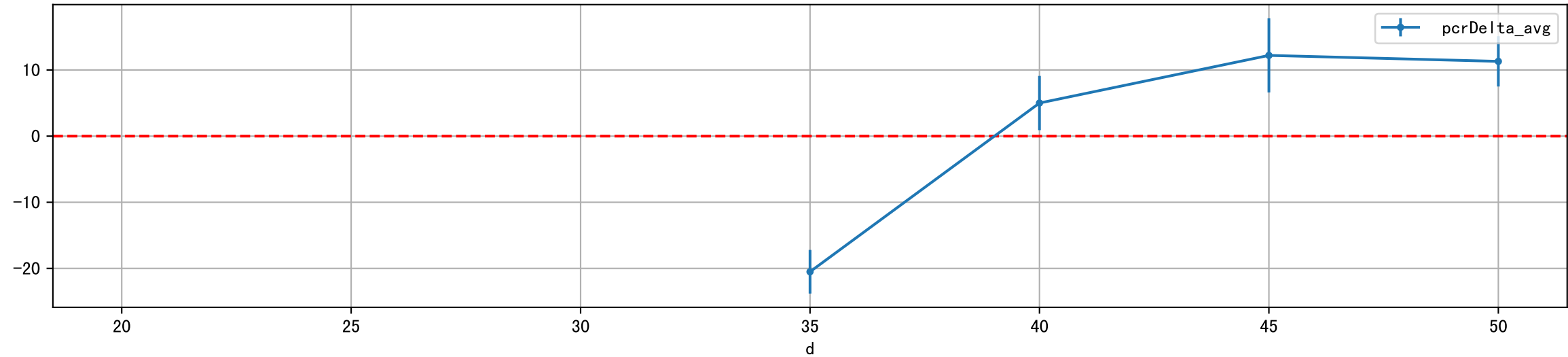
dStH: obsAvg vs obs0v@Q50



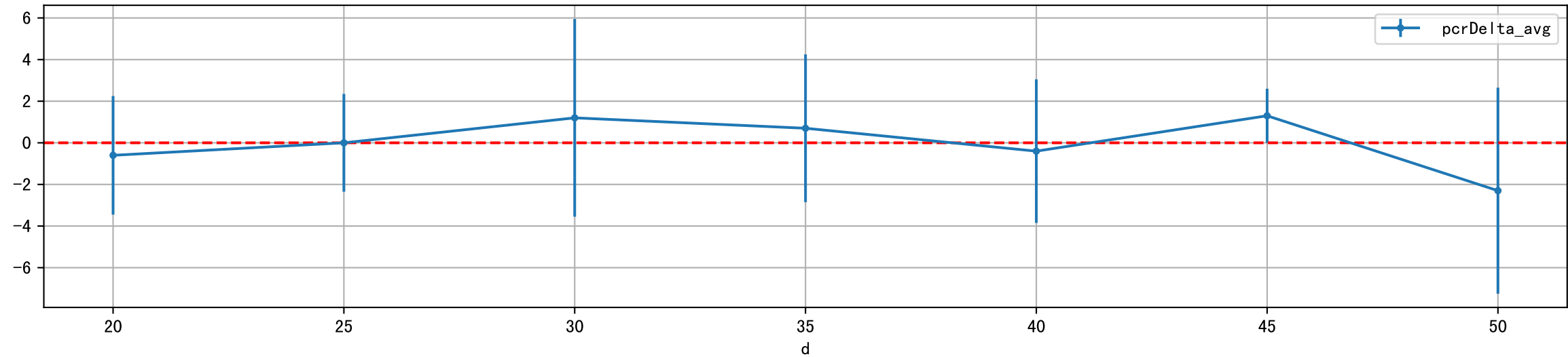
dStH: D_5d_StH



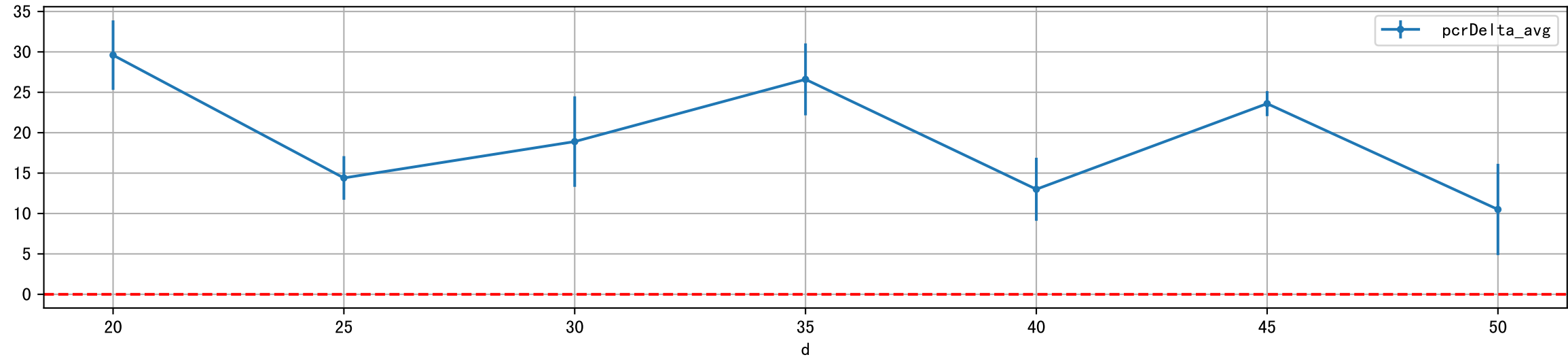
dStH: D_15d_StH



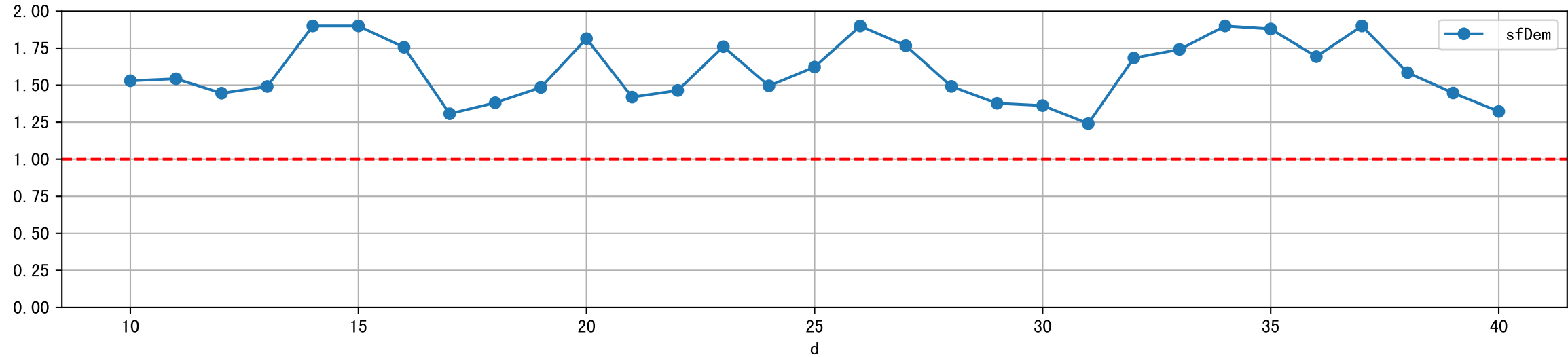
dStH: D_Q50_StH

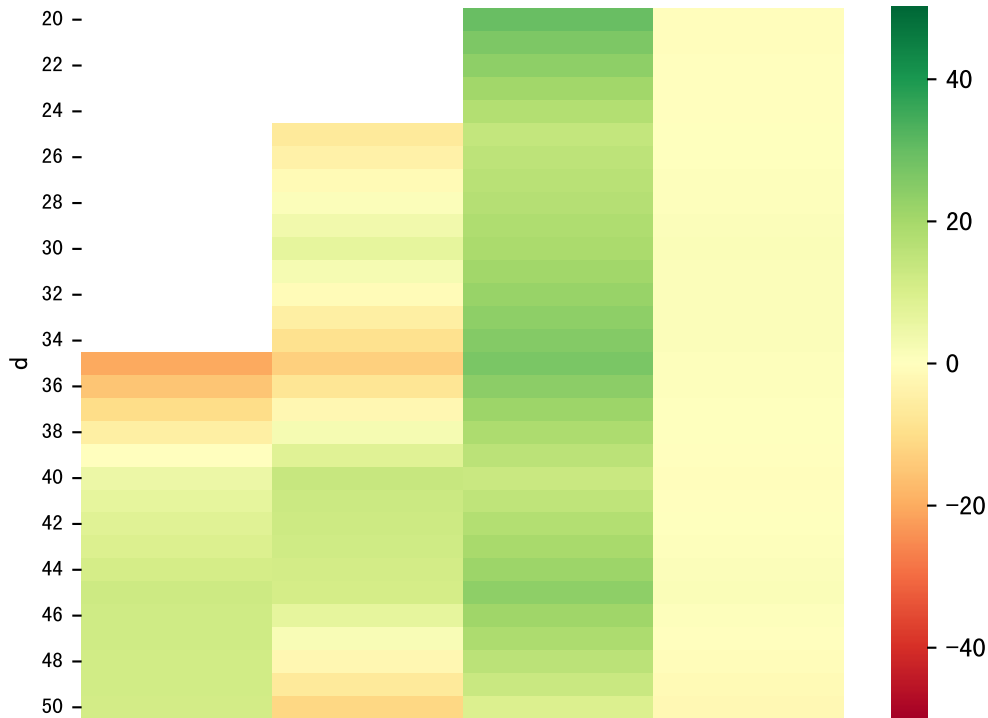


dStH: D_Est_StH



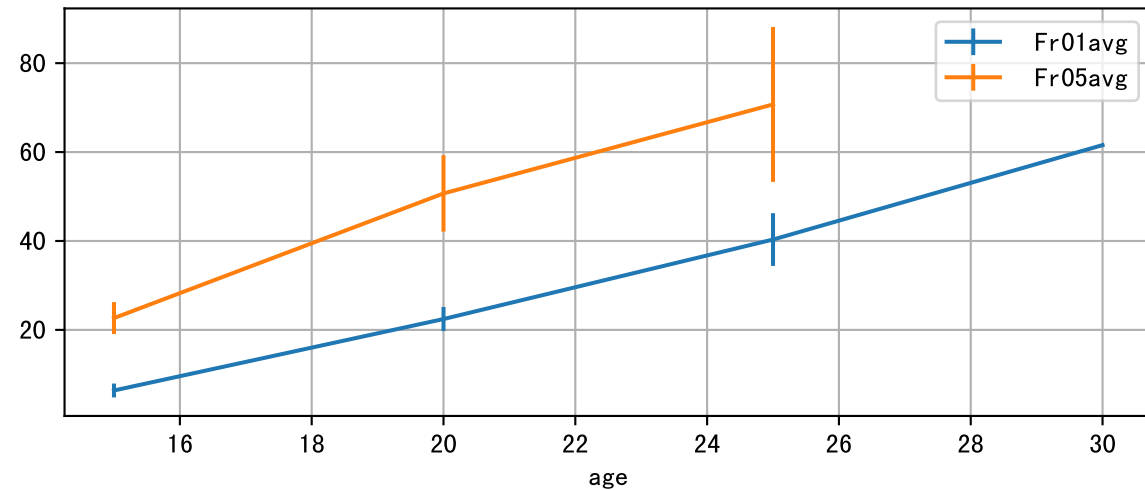
dStH: sfDem



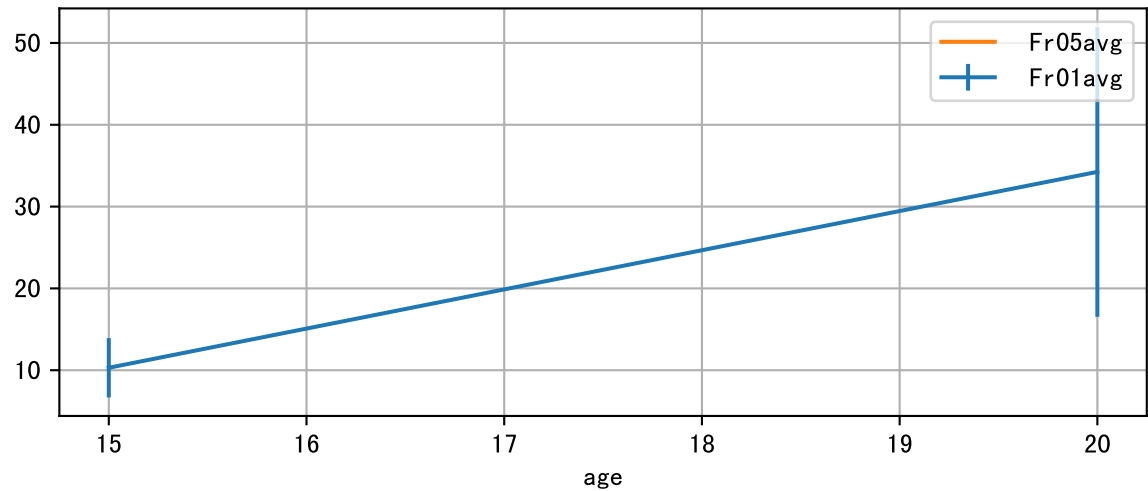


FrV: Fr01 vs Fr05 at each truss

organID=T01

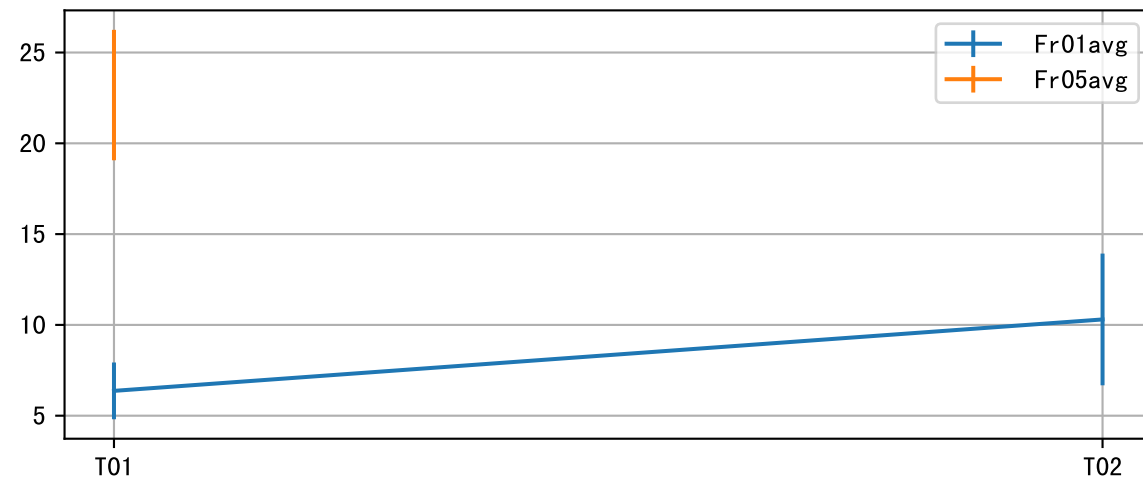


organID=T02

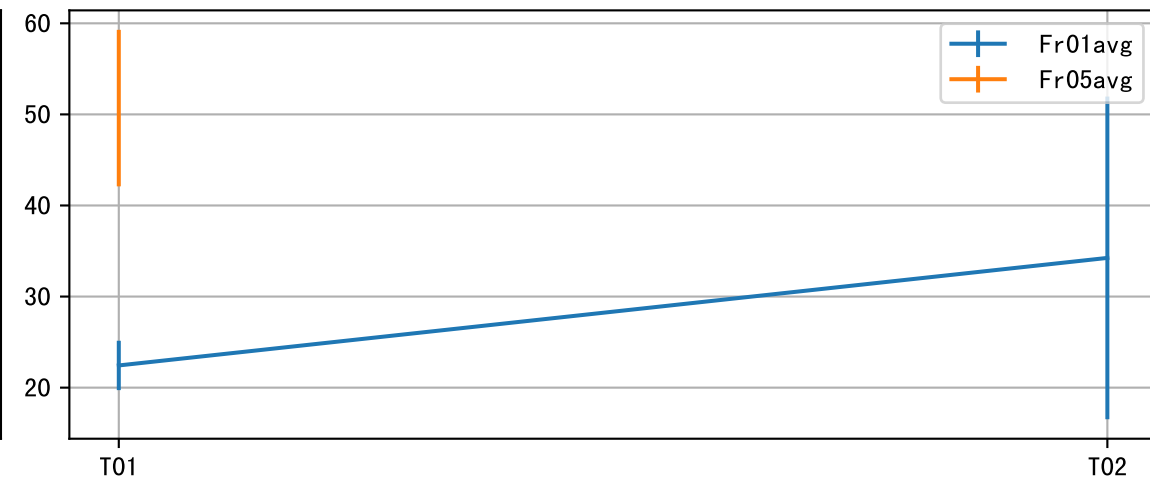


FrV trend at each age

age=15

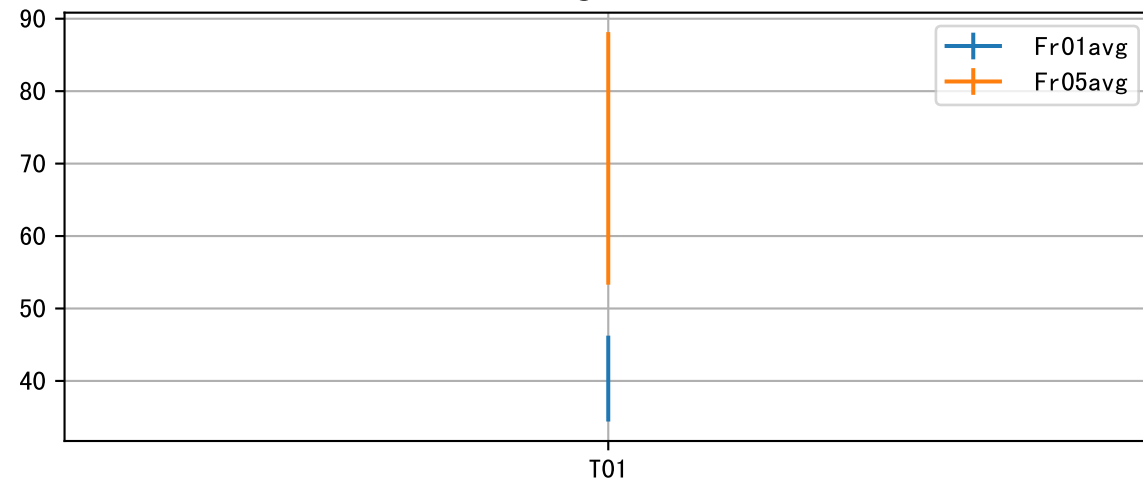


age=20



organID

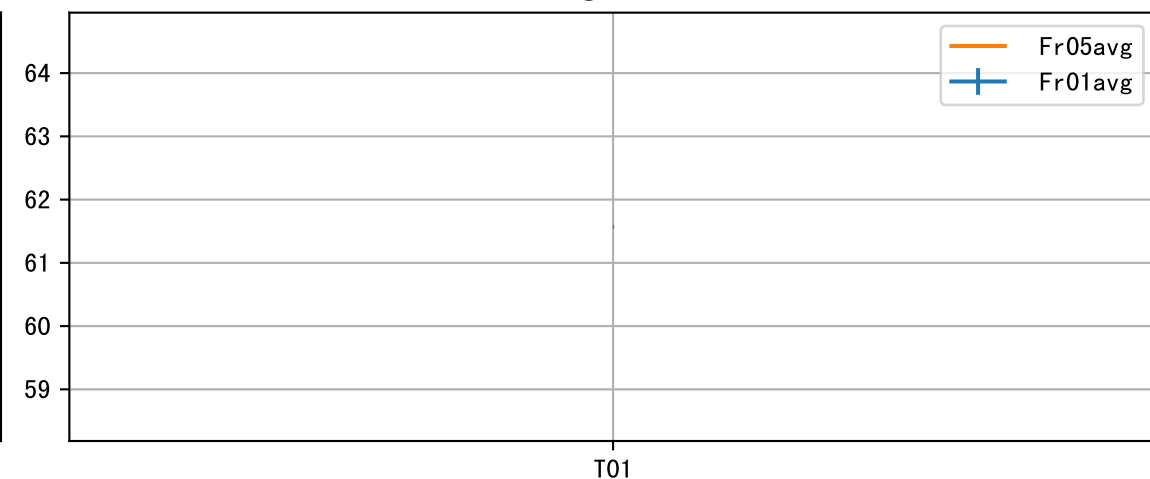
age=25



organID

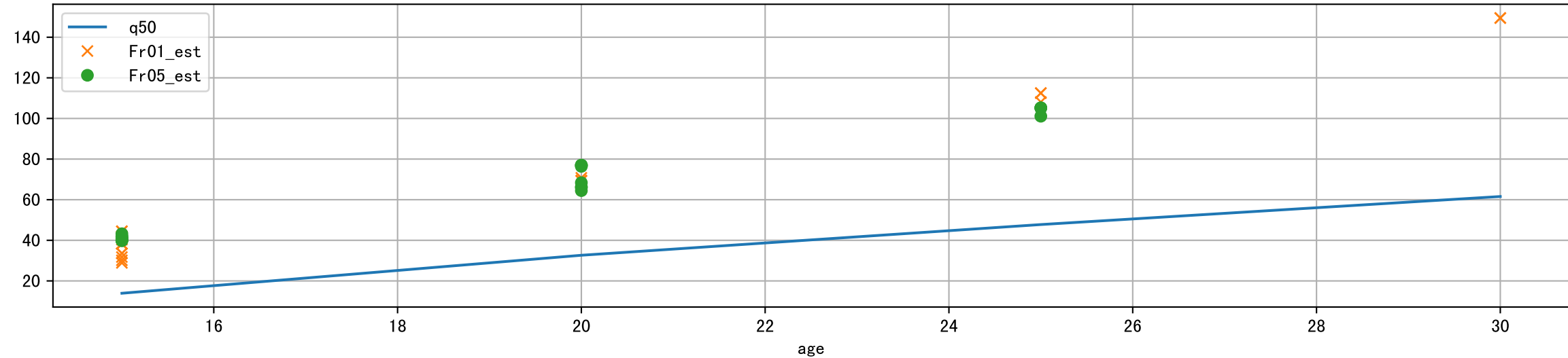
organID

age=30

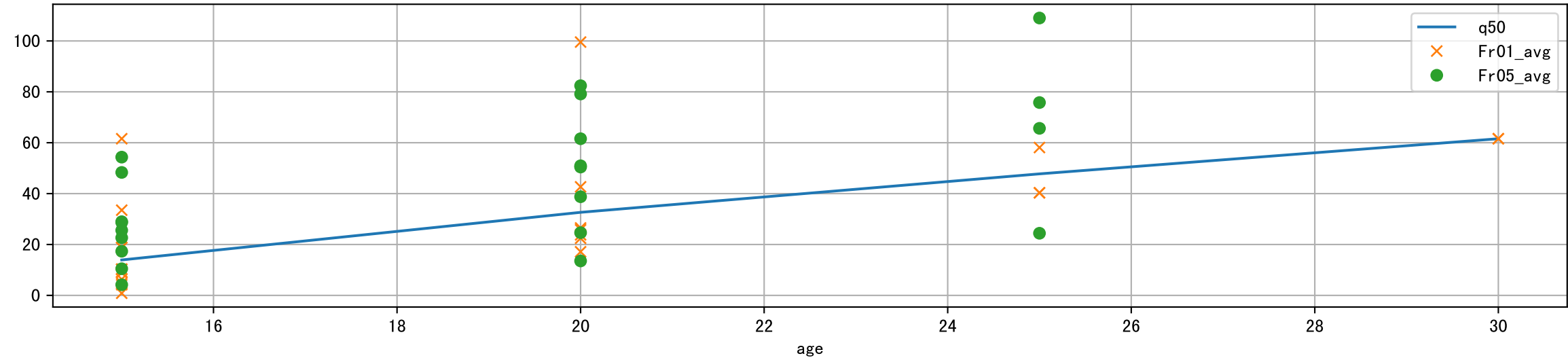


organID

FrV: model Est vs obsFrV at Q90

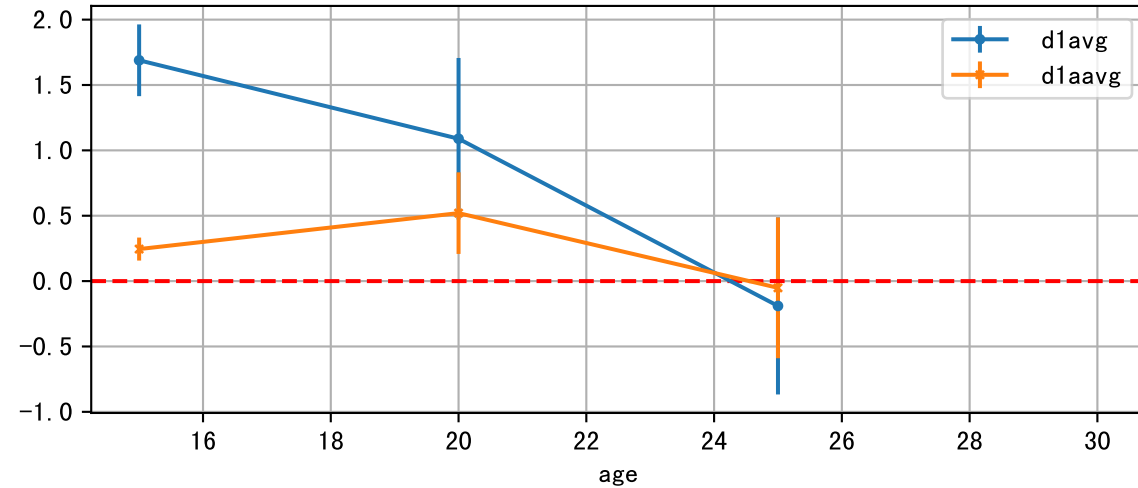


FrV: obsFrV vs obsFrV@Q90

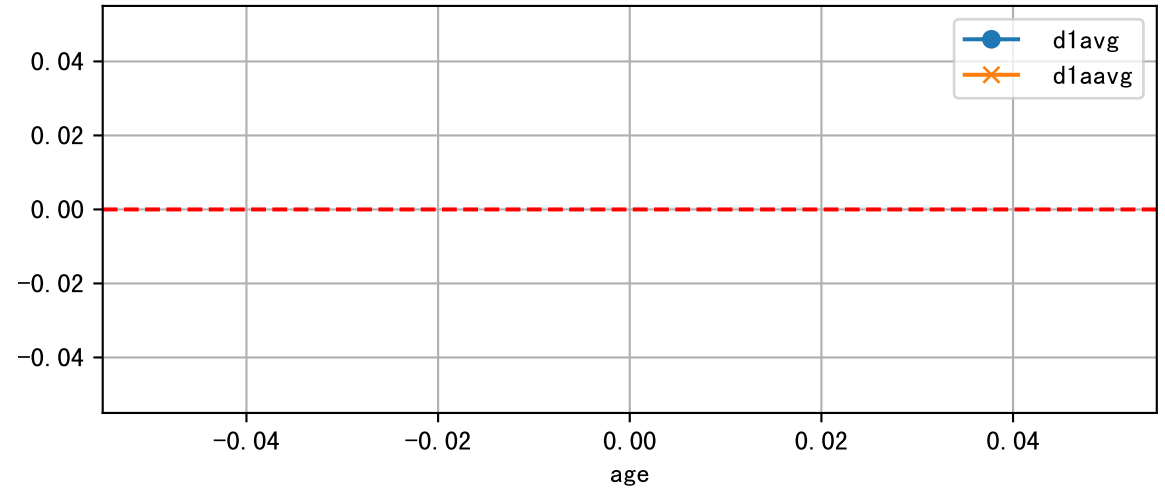


FrV: D_Fr1_FrV

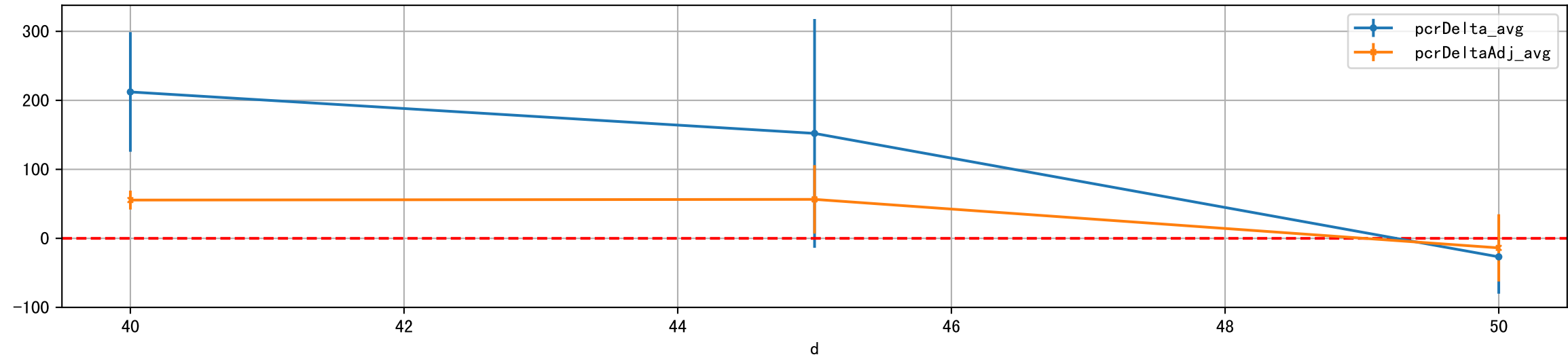
organID=1



organID=2

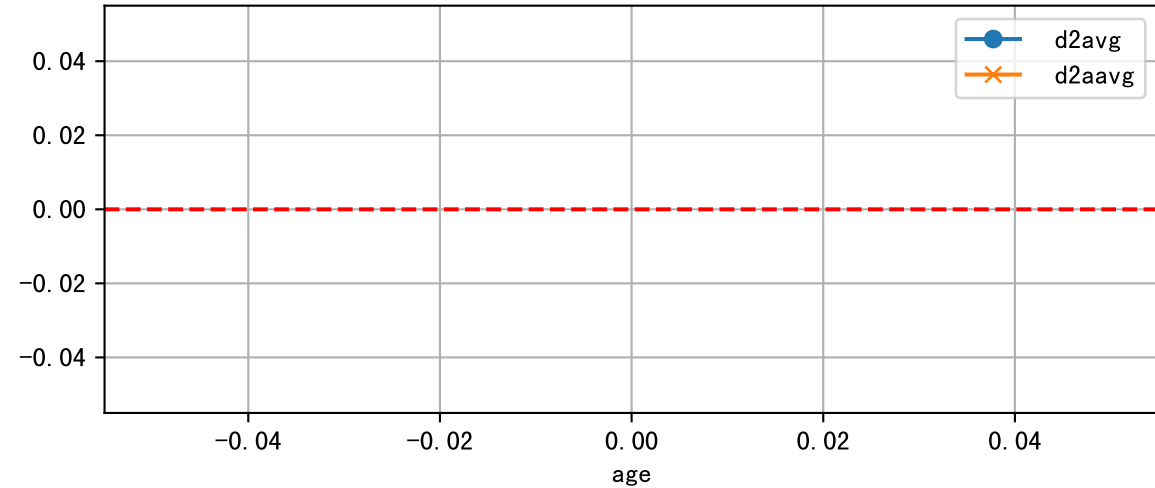


P3-6 FrV: D_Fr1_FrV

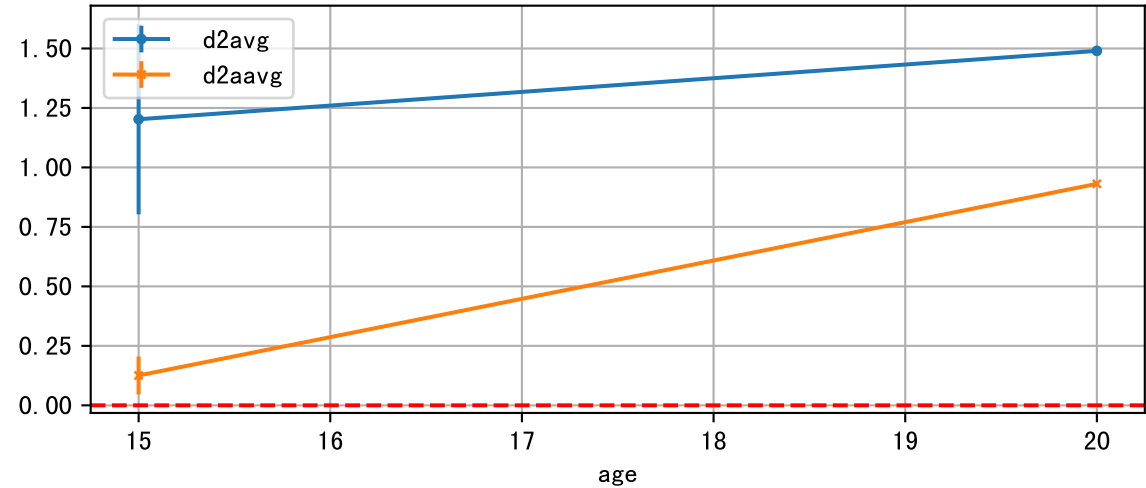


FrV: D_Ts_FrV

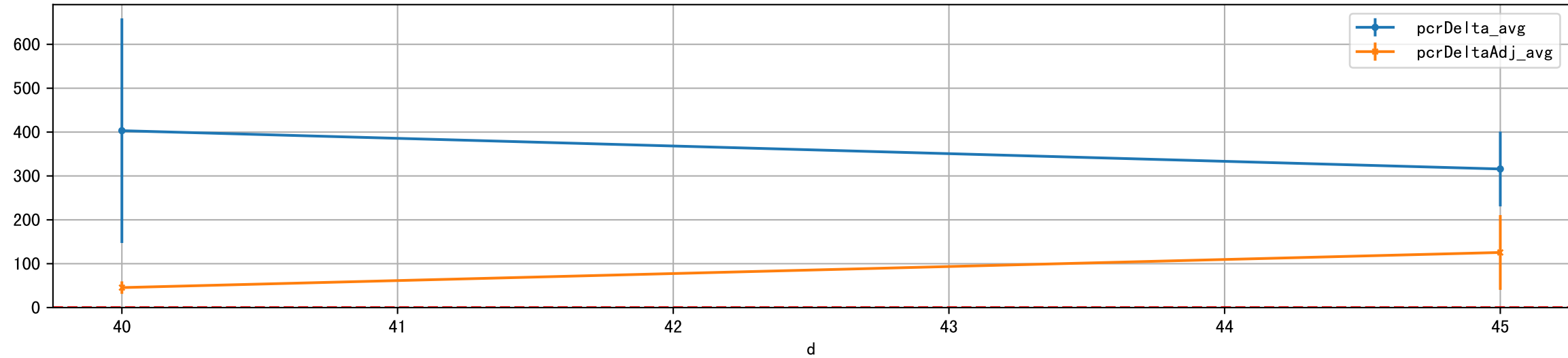
organID=1



organID=2

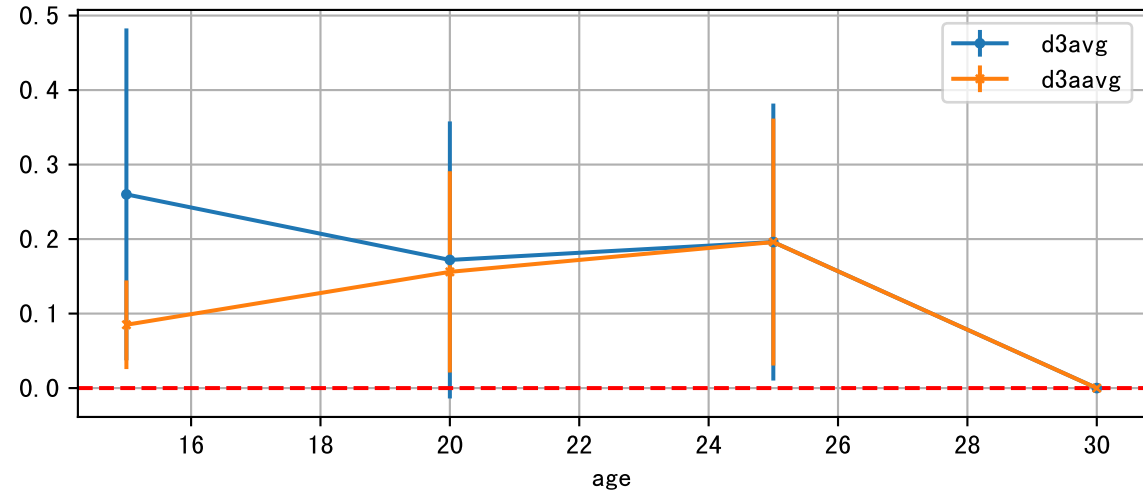


P3-6 FrV: D_Ts_FrV

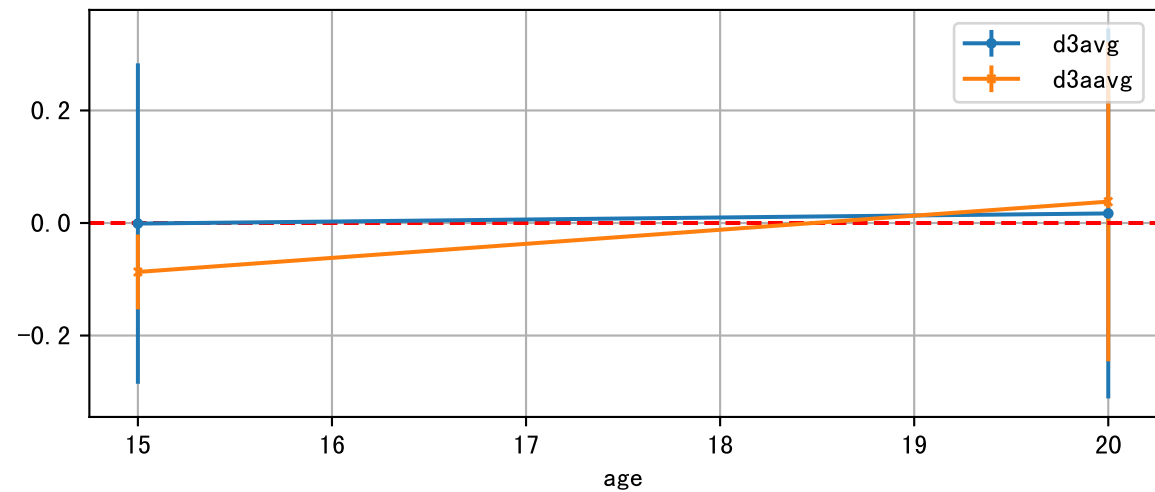


FrV: D_Q50_FrV

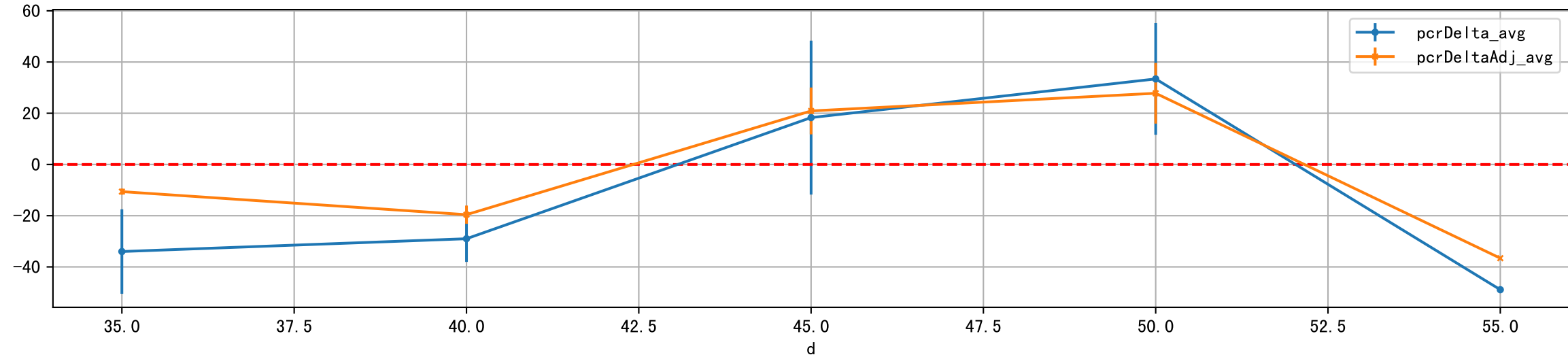
organID=1



organID=2

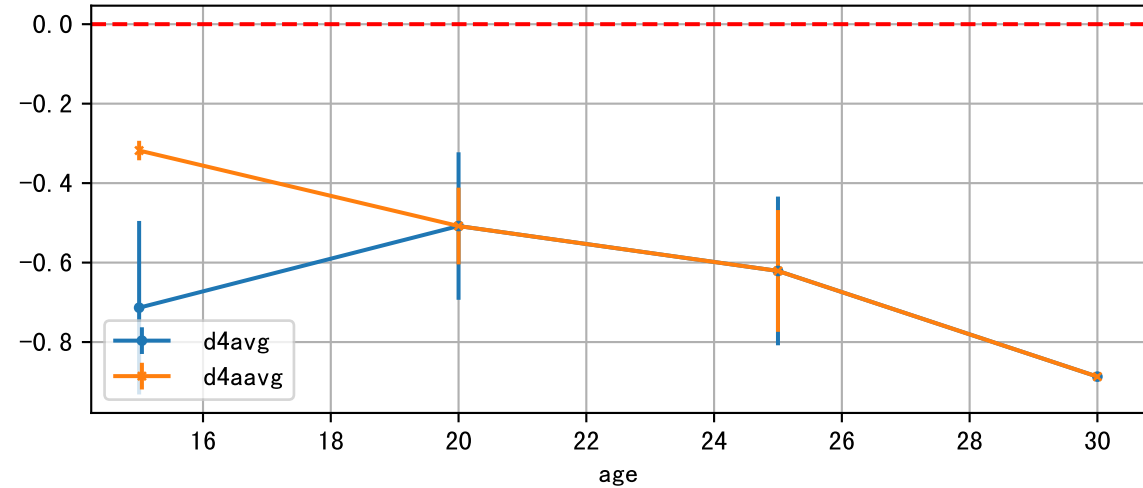


P3-6 FrV: D_Q50_FrV

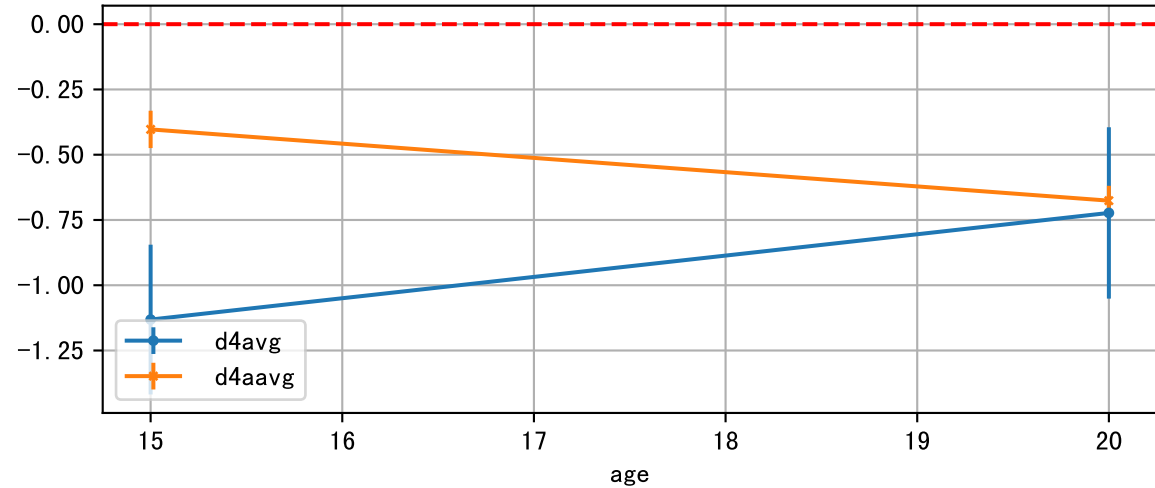


FrV: D_Est_FrV

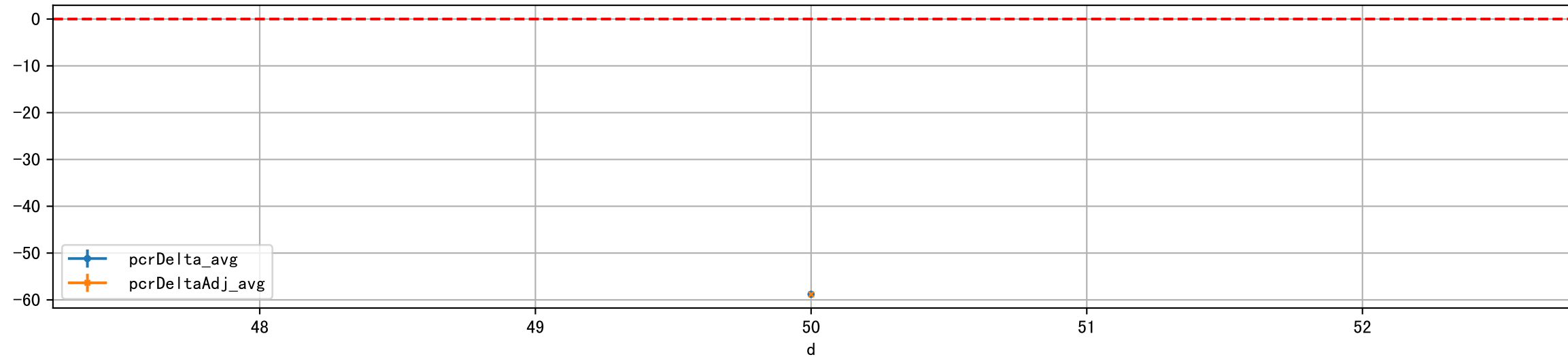
organID=1



organID=2



P3-6 FrV: D_Est_FrV



P3-6 FrV: sfDem

