

Phenotype Data Analysis Plots

PhenoData day range = 12 – 55

Analysis cutoff day = 55

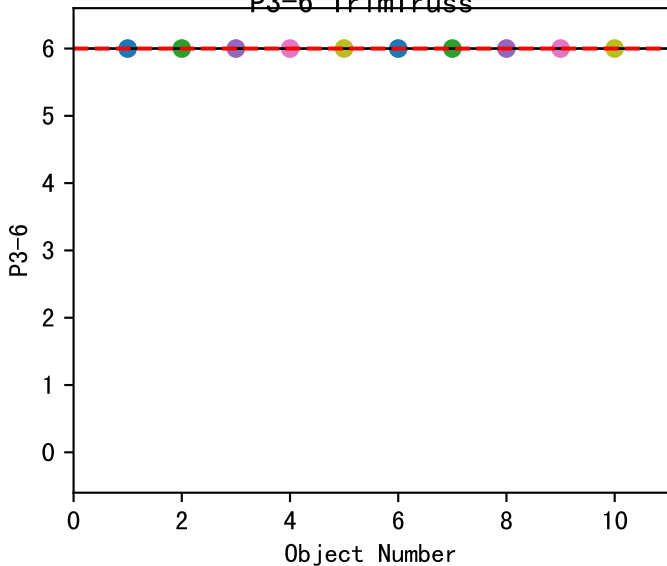
NC11 P3–6

2025-05-24 (Day 56)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

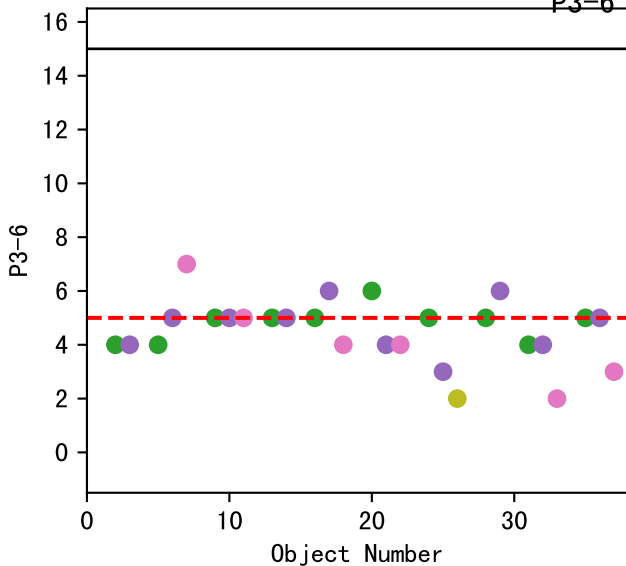
P3-6 TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

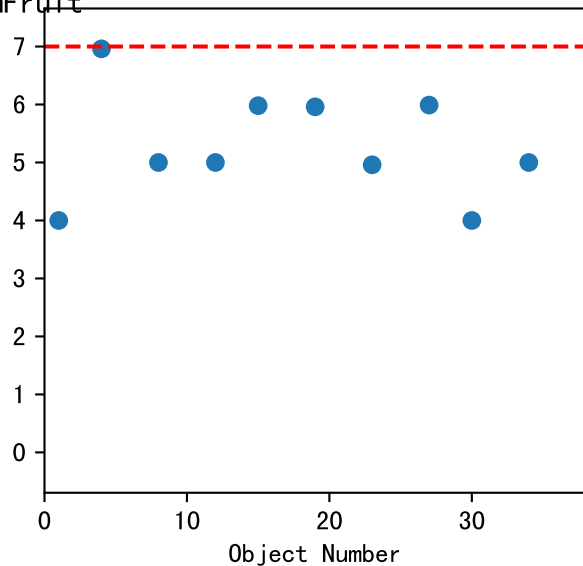
avg1=5.0~16% avg2=na

P3-6 TrimFruit

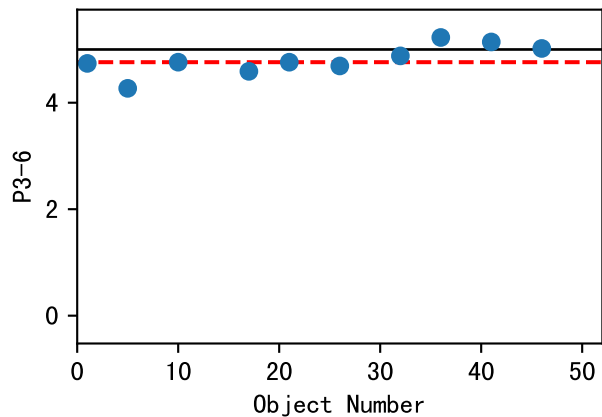


FruitNumMaxPerTruss (Def=na Set=7)

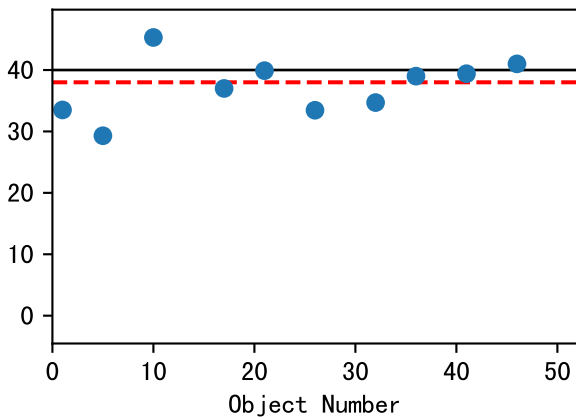
avg1=7.0~15% avg2=na



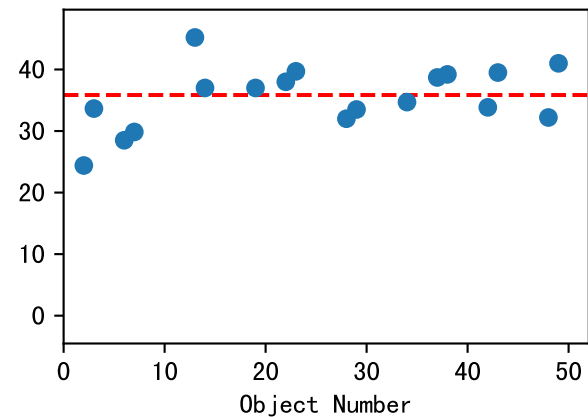
NdL_Q90AbsY (Def=5 Set=4.76)
avg1=4.76~5% avg2=na



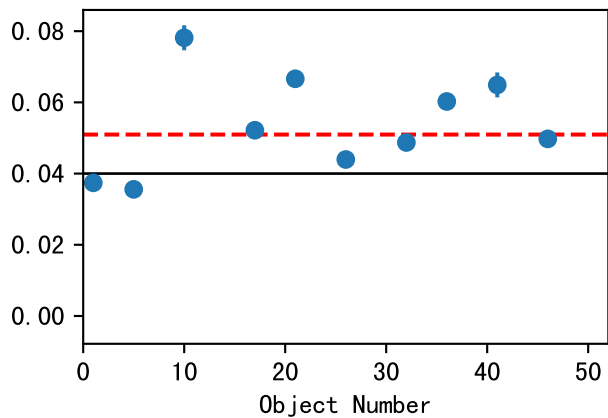
LfL_Q90AbsY (Def=40 Set=38.0)
avg1=38.0~18% avg2=na



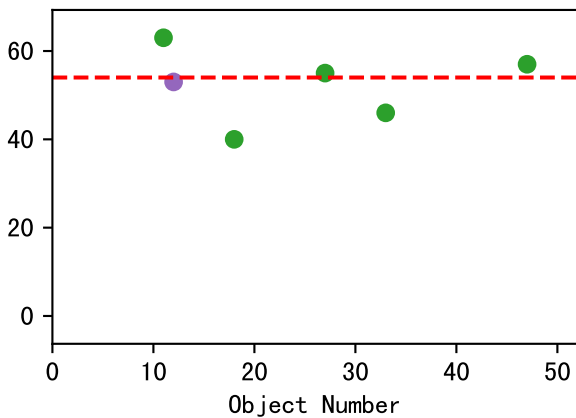
LfL_avgAbsY (Def=na Set=35.85)
avg1=35.85~14% avg2=na



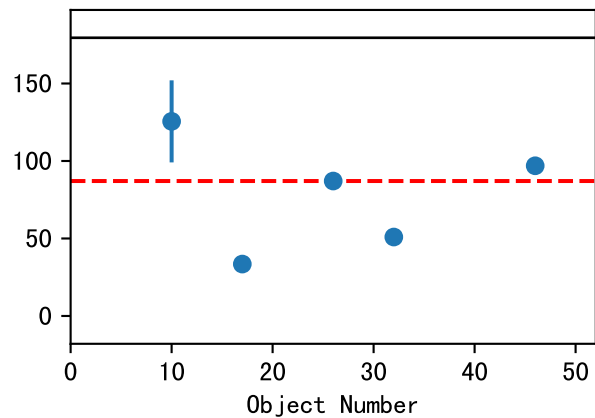
LfA_Q90AbsY (Def=0.04 Set=0.05)
avg1=0.05~27% avg2=na



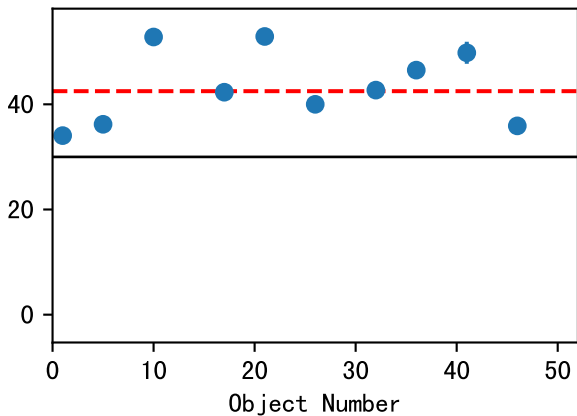
FrD_avgAbsY (Def=na Set=54.0)
avg1=54.0~15% avg2=na



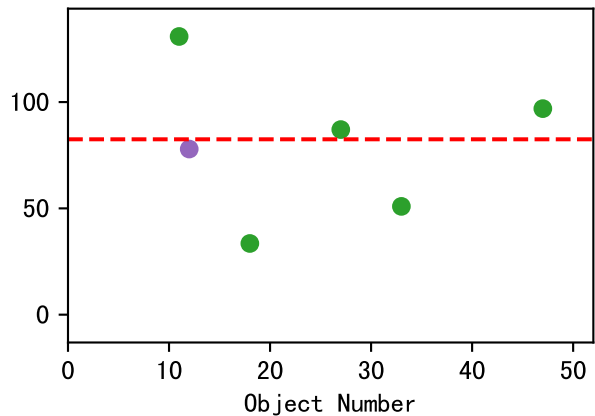
FrV_Q90AbsY (Def=179.5 Set=87.07)
avg1=87.07~42% avg2=na



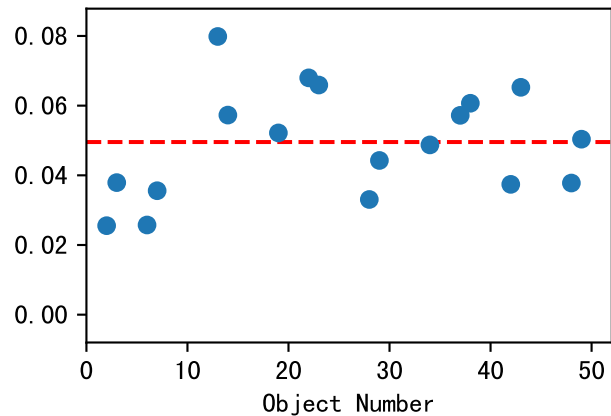
LfW_Q90AbsY (Def=30 Set=42.5)
avg1=42.5~16% avg2=na



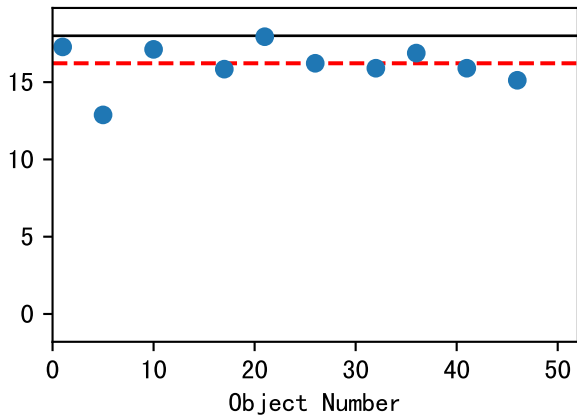
FrV_avgAbsY (Def=na Set=82.49)
avg1=82.49~43% avg2=na



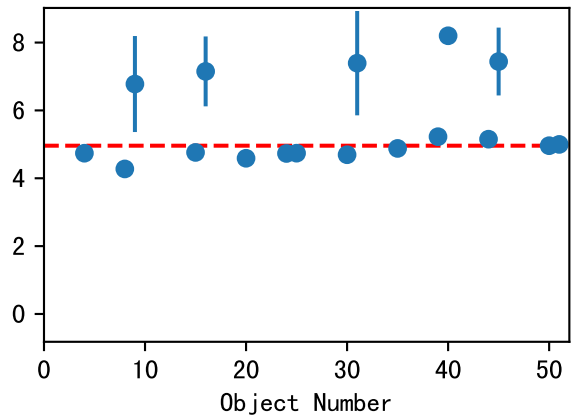
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~31% avg2=na



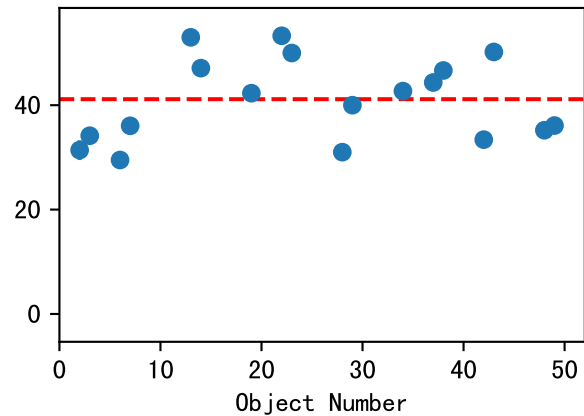
NdD_Q90AbsY (Def=18 Set=16.22)
avg1=16.22~5% avg2=na



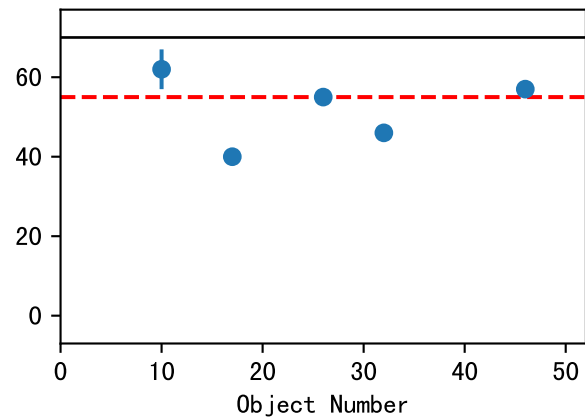
NdL_avgAbsY (Def=na Set=4.96)
avg1=4.96~25% avg2=na



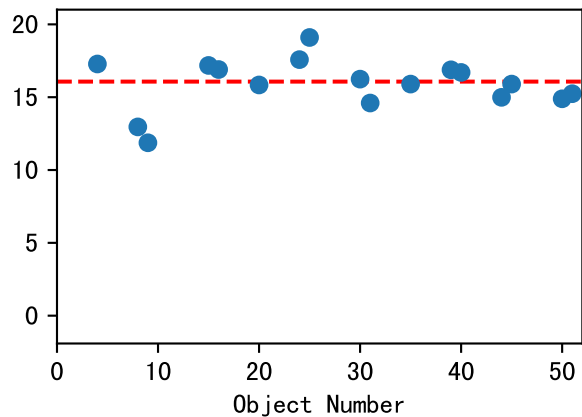
LfW_avgAbsY (Def=na Set=41.15)
avg1=41.15~19% avg2=na



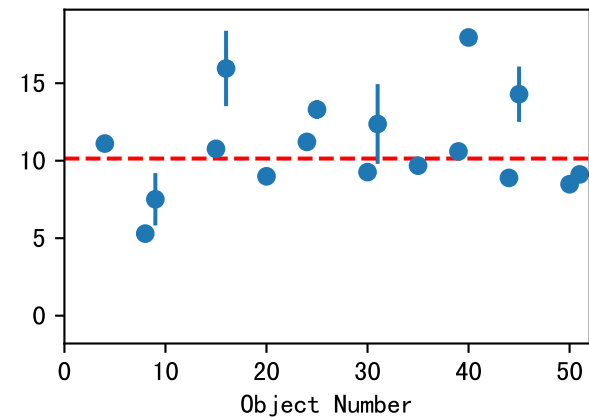
FrD_Q90AbsY (Def=70 Set=55.0)
avg1=55.0~16% avg2=na



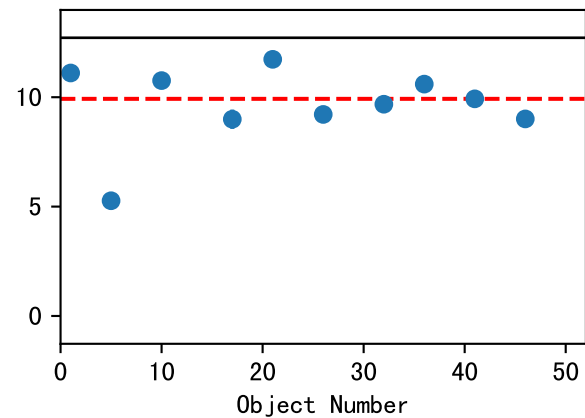
NdD_avgAbsY (Def=na Set=16.07)
avg1=16.07~95% avg2=na



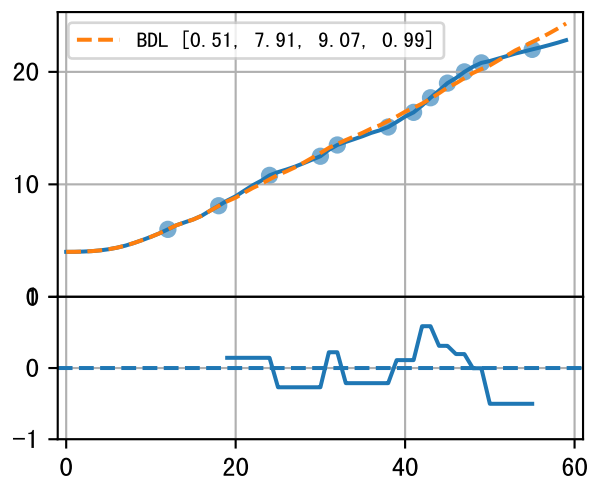
NdV_avgAbsY (Def=na Set=10.14)
avg1=10.14~26% avg2=na



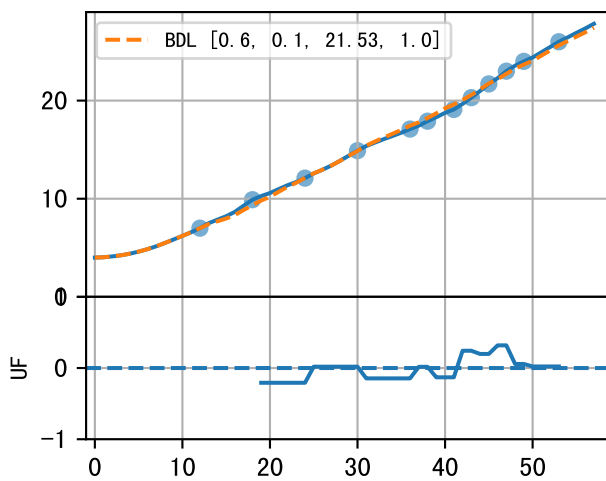
NdV_Q90AbsY (Def=12.72 Set=9.93)
avg1=9.93~10% avg2=na



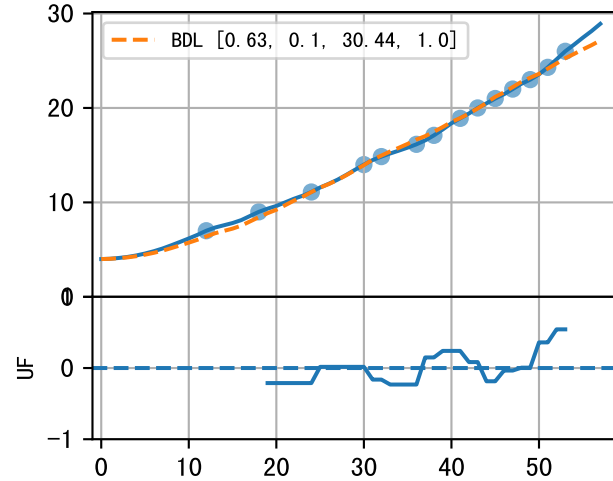
P3-6-003-24 (fit failed)



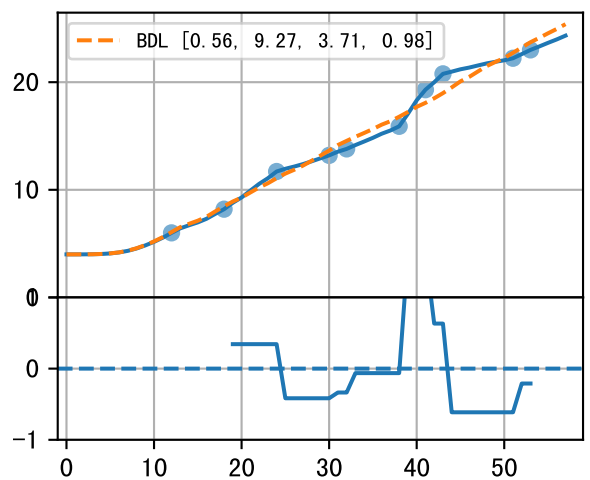
P3-6-007-11 (fit failed)



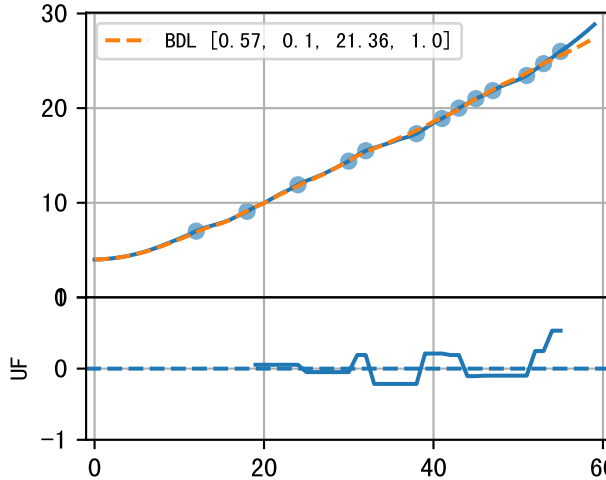
P3-6-011-7 (fit failed)



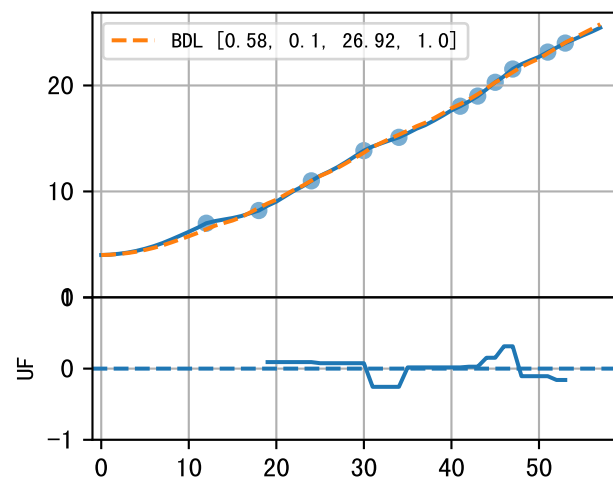
P3-6-015-30 (fit failed)



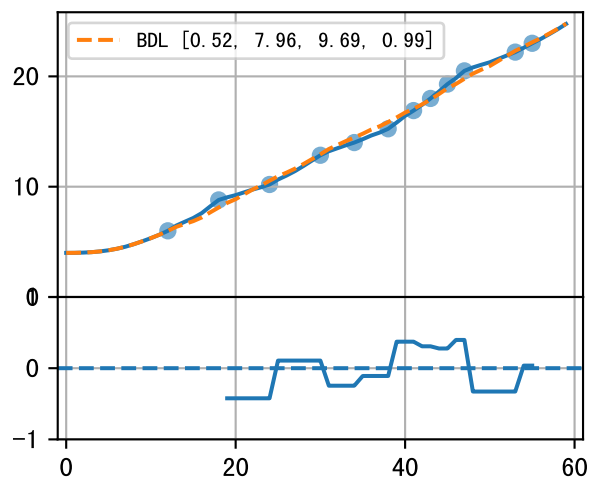
P3-6-019-12 (fit failed)



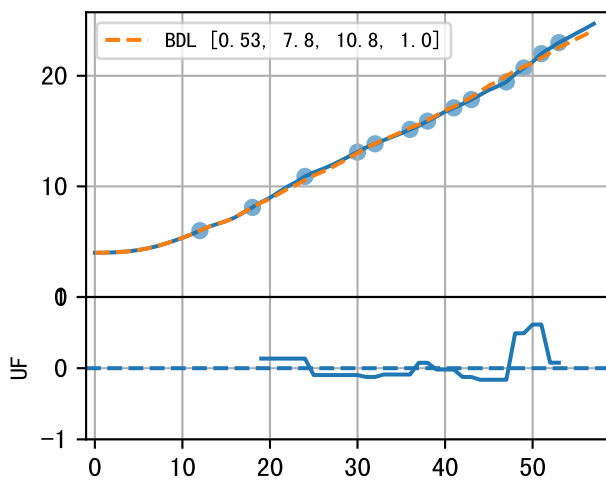
P3-6-024-25 (fit failed)



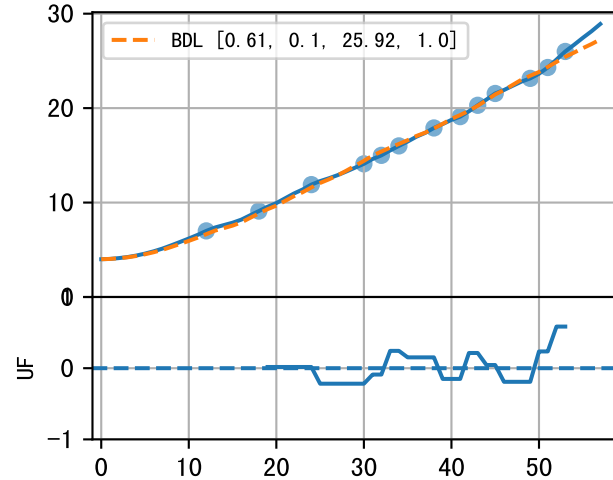
P3-6-028-32 (fit failed)



P3-6-033-9 (fit failed)

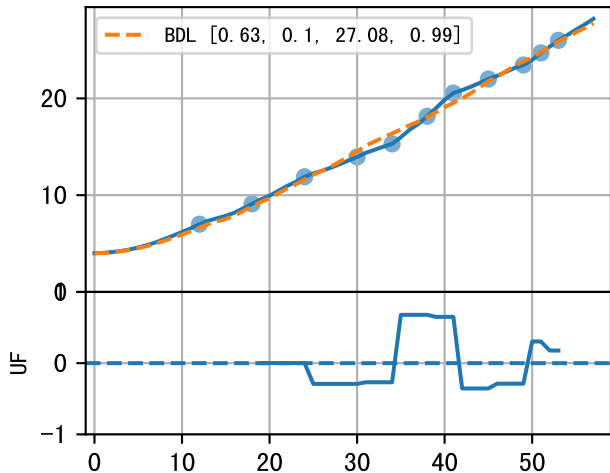


P3-6-038-21 (fit failed)

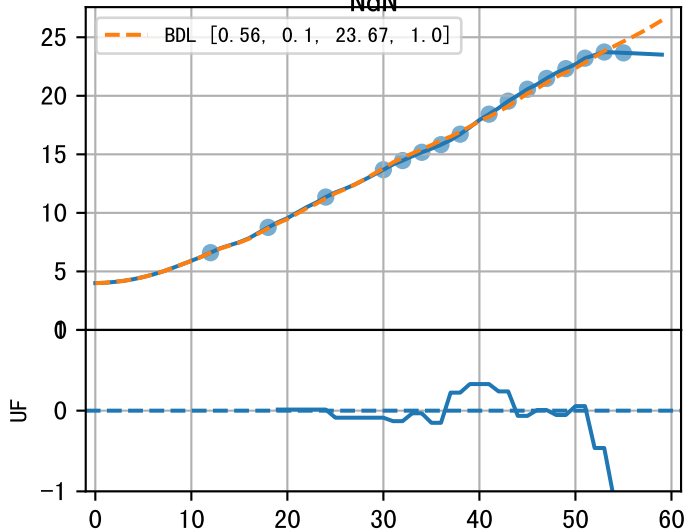


P3-6-042-4 (fit failed)

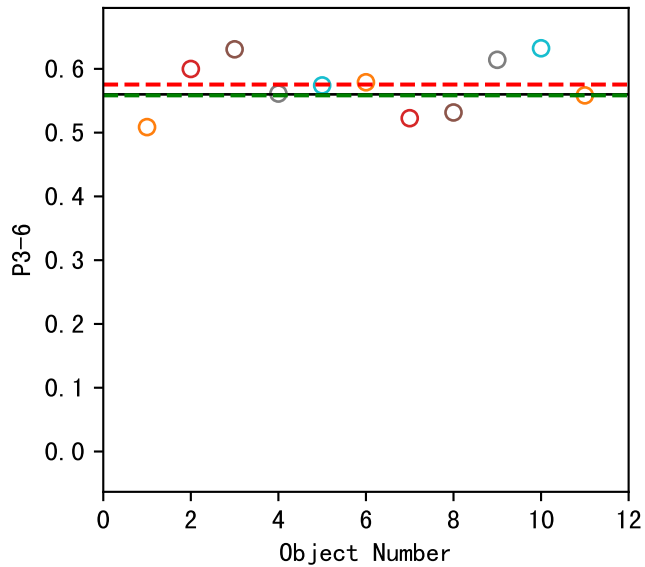
NdN



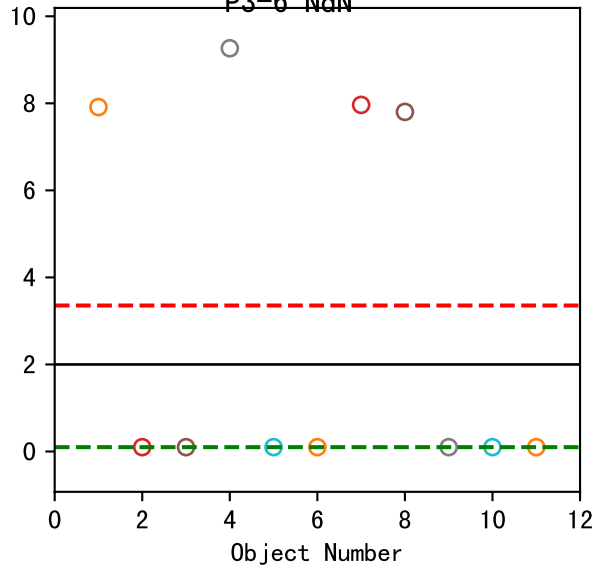
P3-6avg (fit failed)



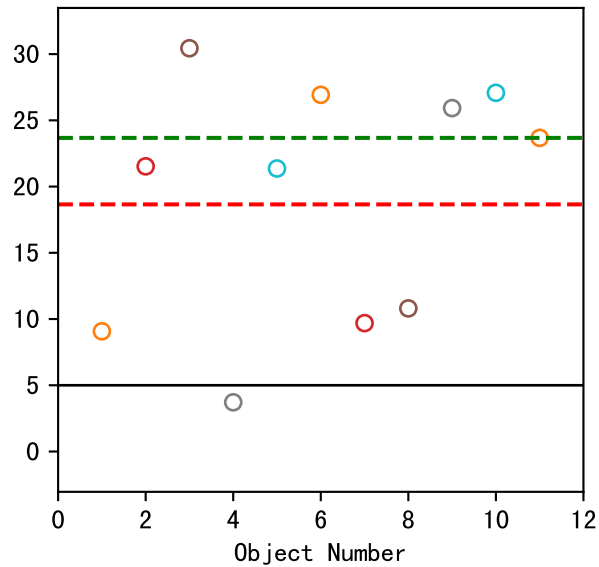
a (Def=0.56 Set=0.56)
avg1=0.58(fail) avg2=0.56



dm (Def=2 Set=0.1)
avg1=3.35(fail) avg2=0.1

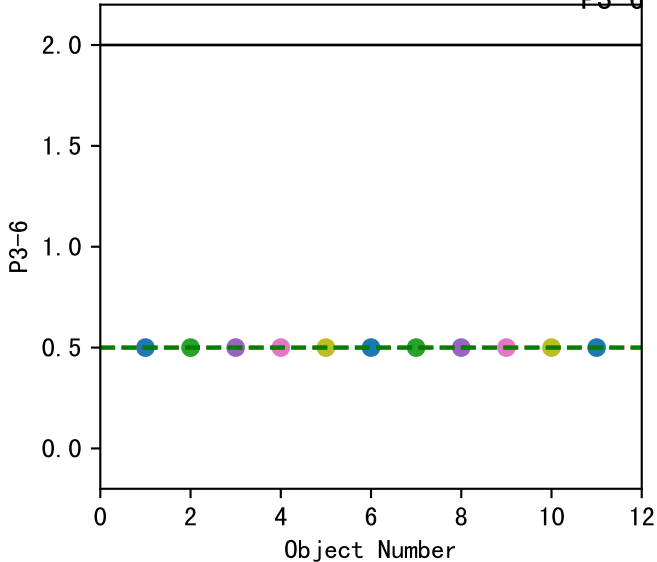


de (Def=5 Set=23.67)
avg1=18.65(fail) avg2=23.67



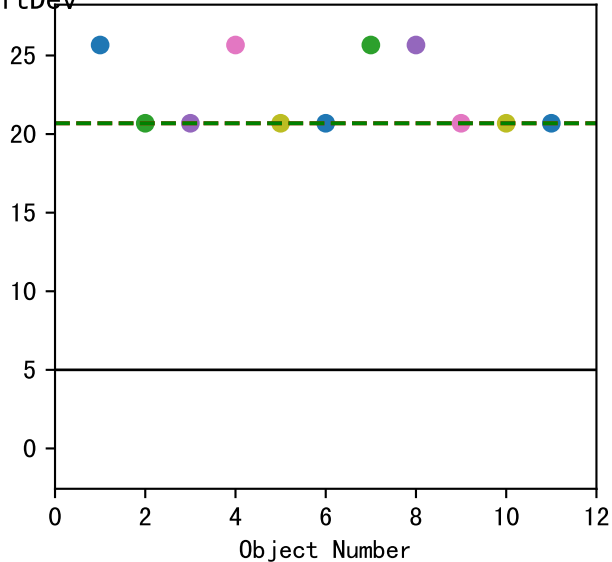
InitDev_dm (Def=2 Set=0.5)
avg1=0.5~0% avg2=0.5

P3-6

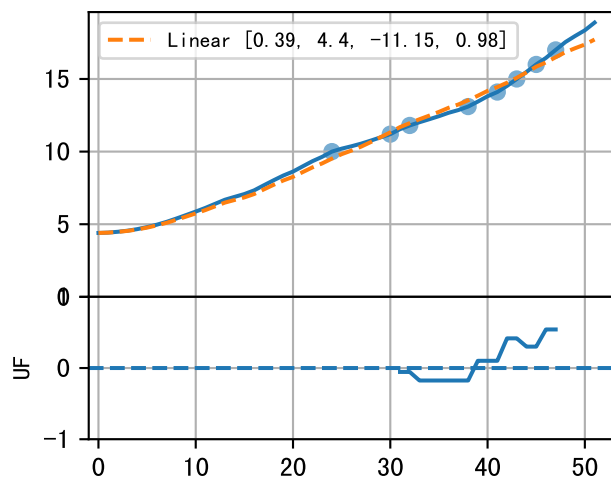


InitDev_de (Def=5 Set=20.69)
avg1=20.69~12% avg2=20.69

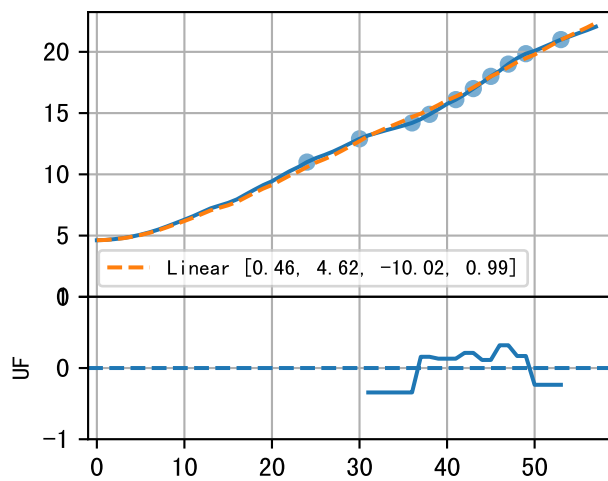
InitDev



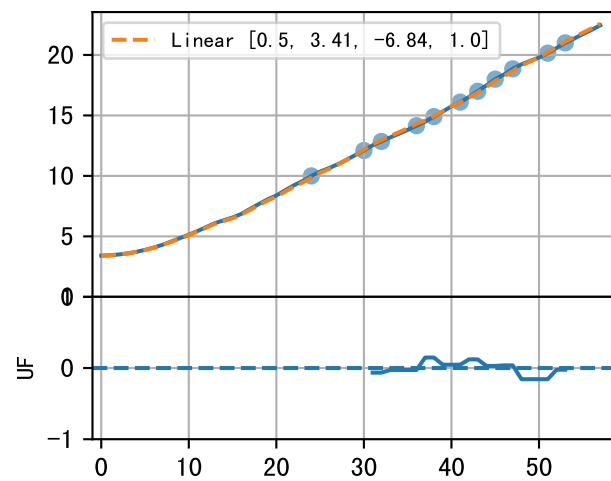
P3-6-003-24



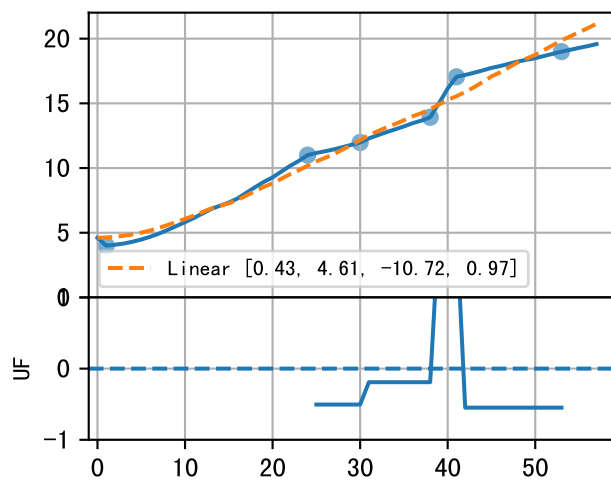
P3-6-007-11



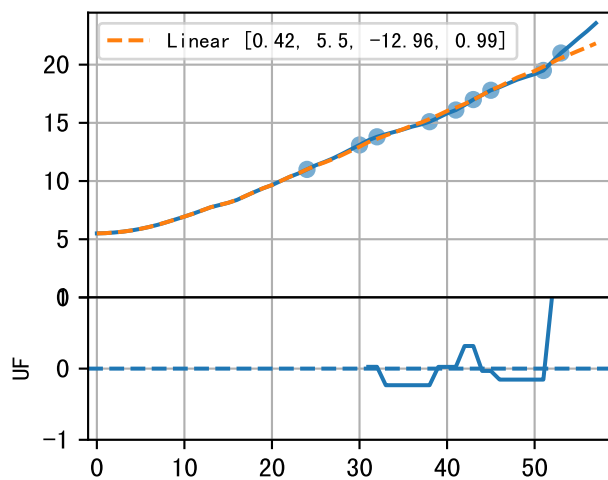
P3-6-011-7



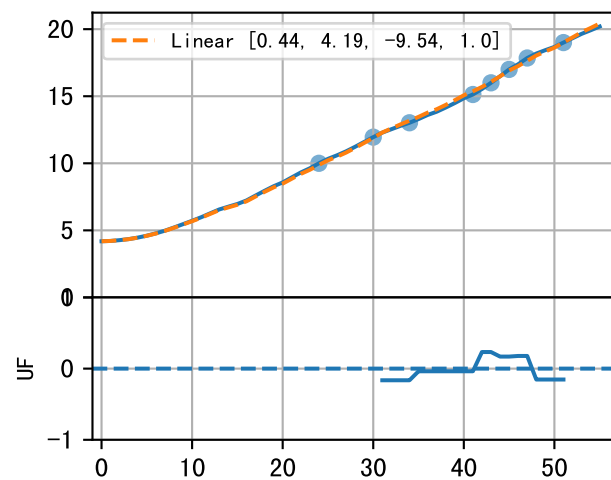
P3-6-015-30



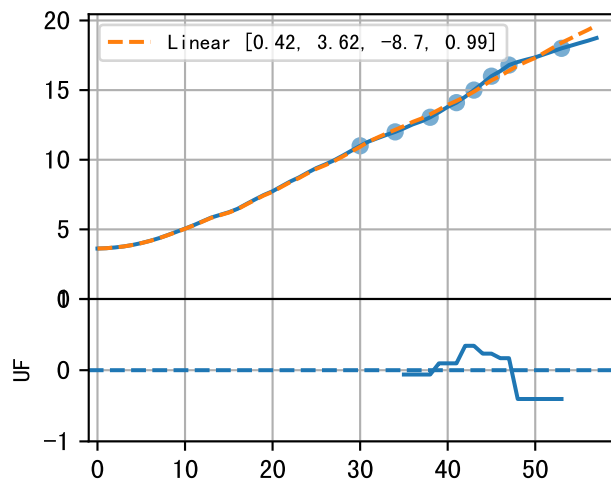
P3-6-019-12



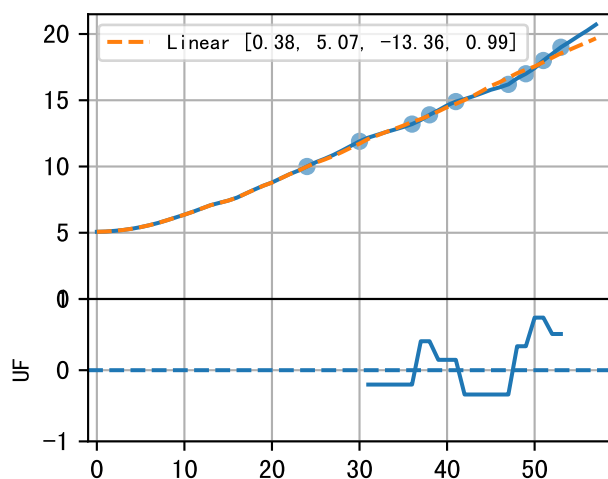
P3-6-024-25



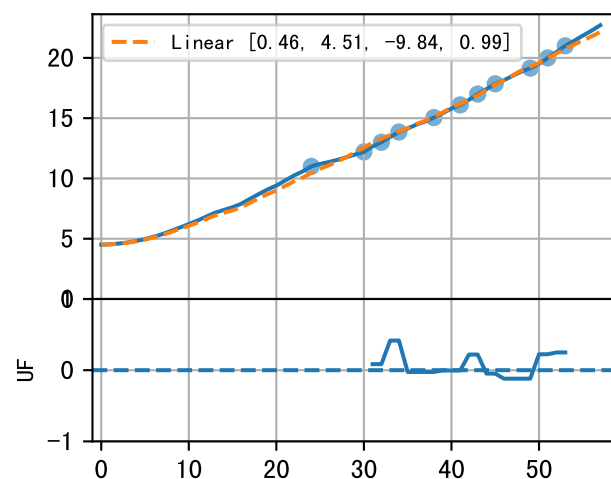
P3-6-028-32



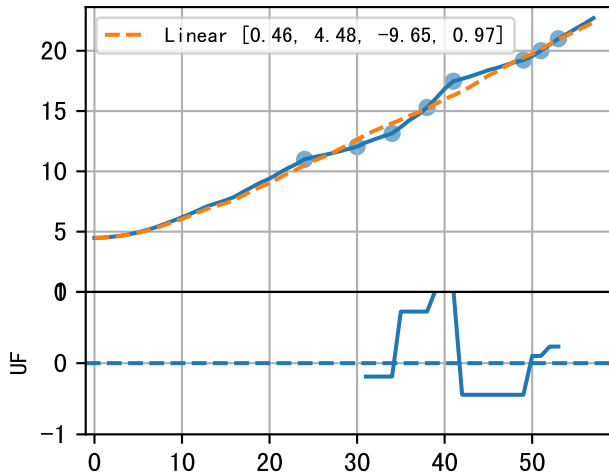
P3-6-033-9



P3-6-038-21



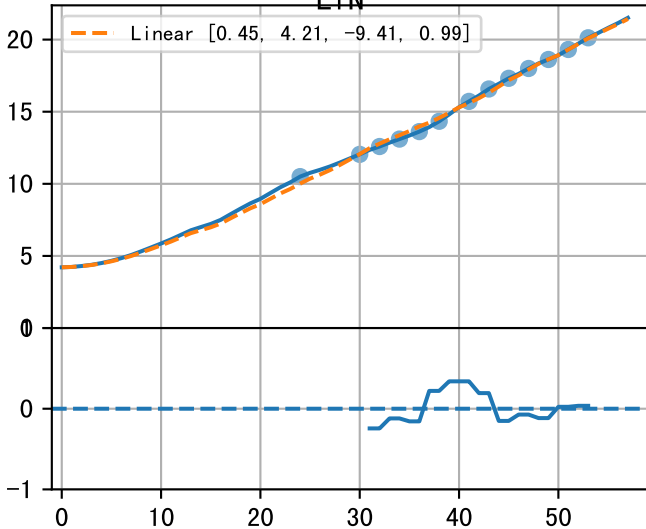
P3-6-042-4



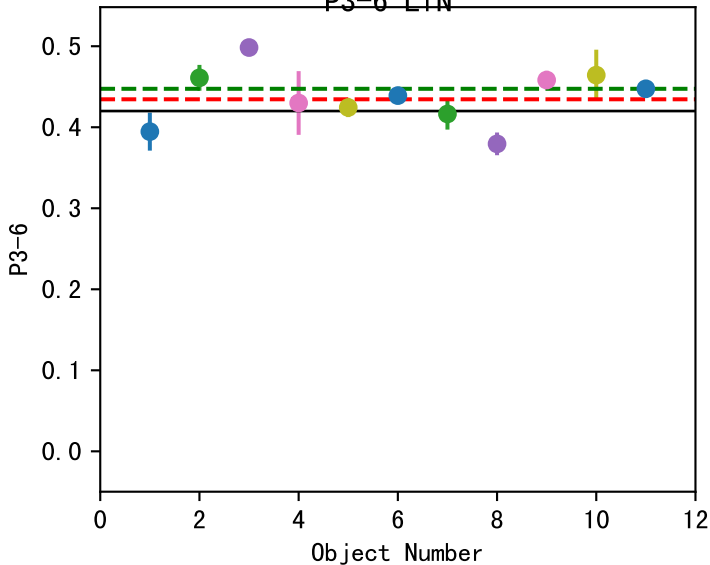
P3-6avg
Lfn

Linear [0.45, 4.21, -9.41, 0.99]

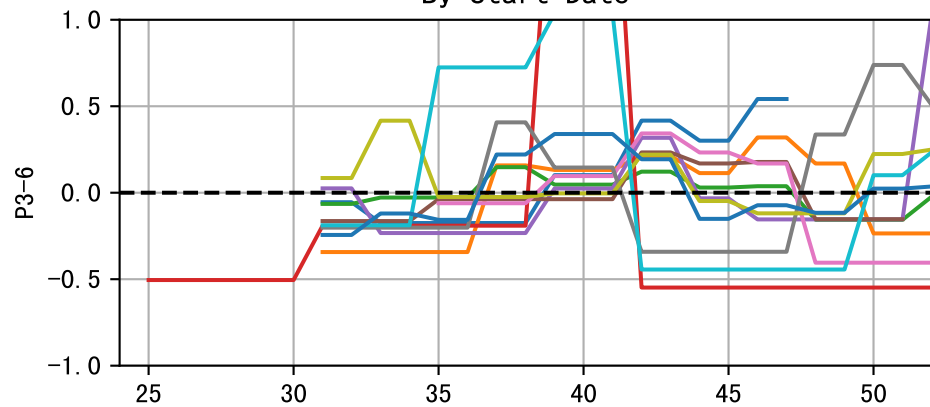
UF



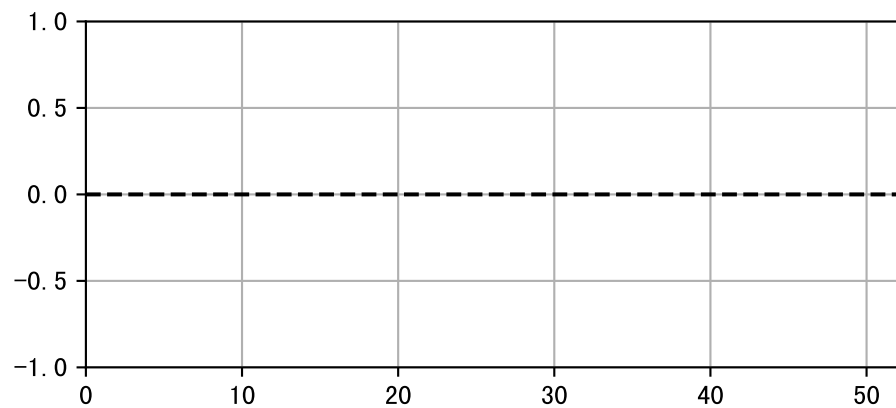
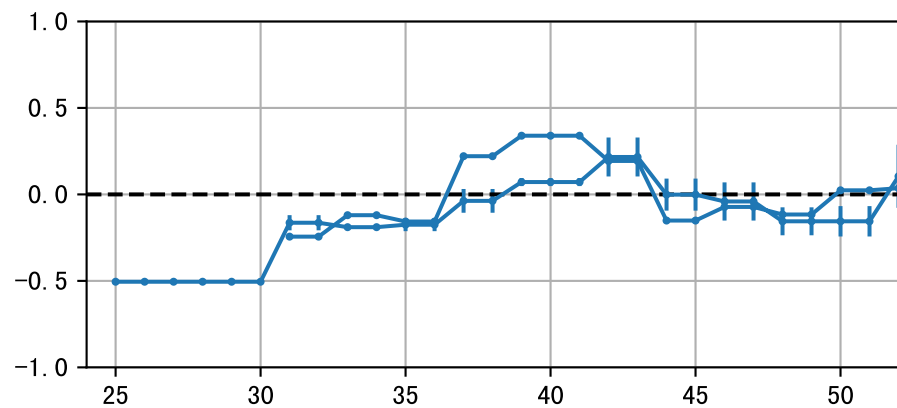
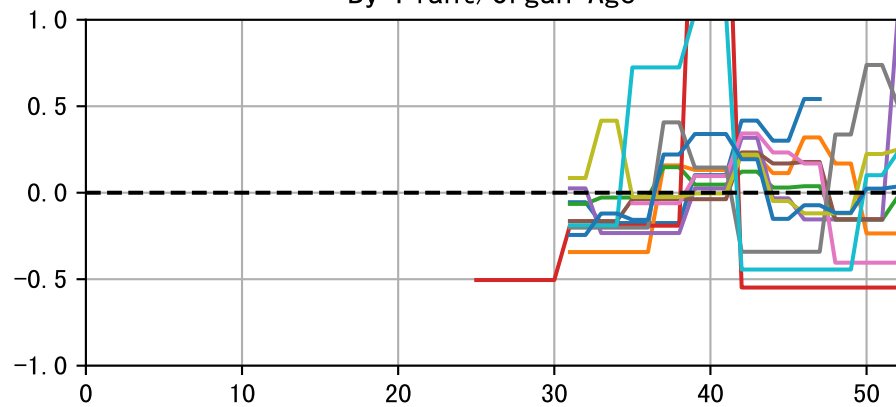
a (Def=0.42 Set=0.45)
avg1=0.43~8% avg2=0.45~7%
P3-6 LfN



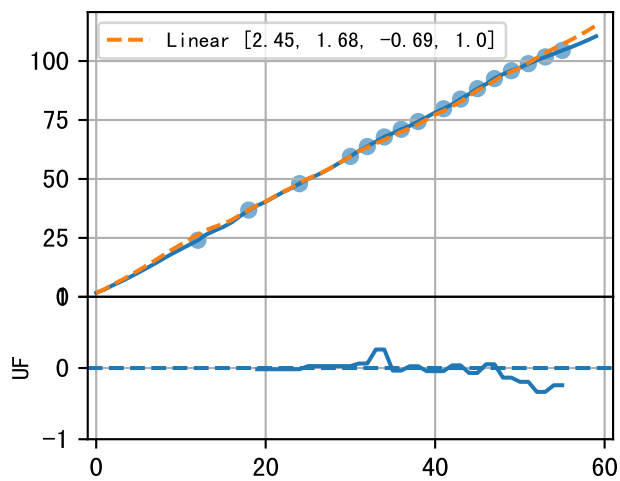
By Start Date



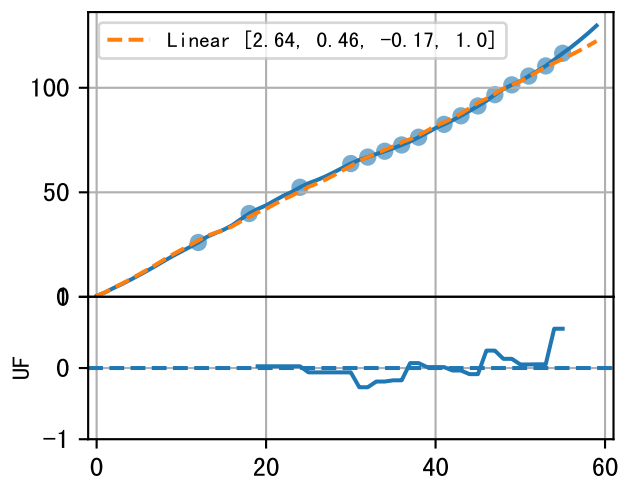
By Plant/Organ Age



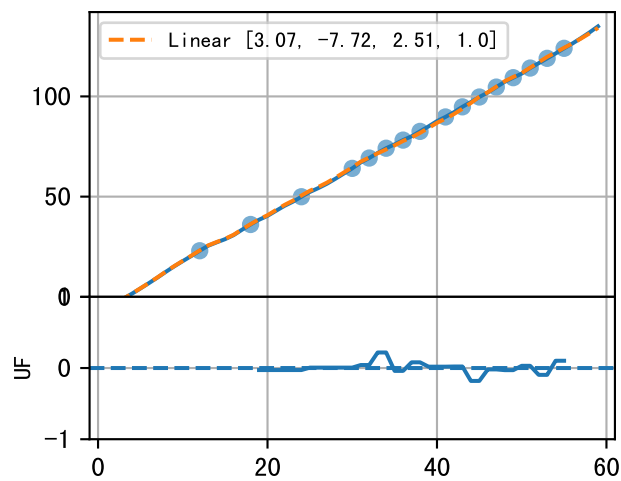
P3-6-003-24



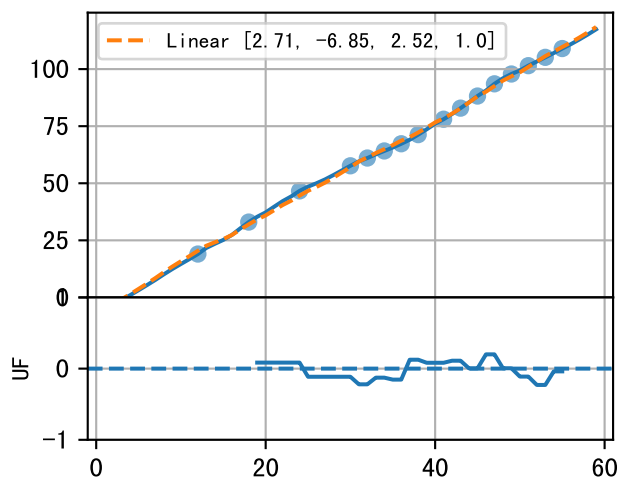
P3-6-007-11



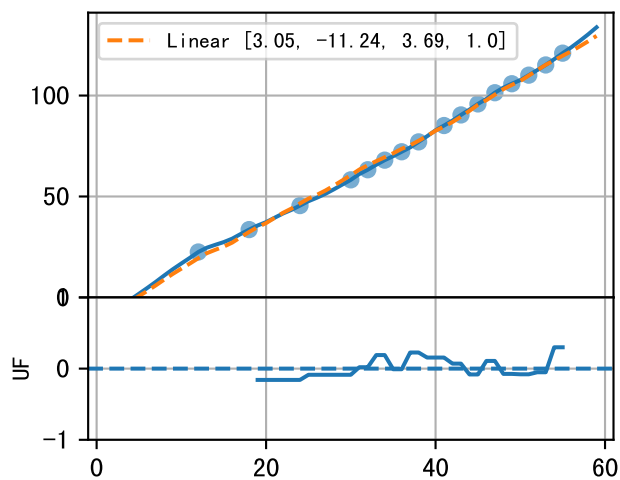
P3-6-011-7



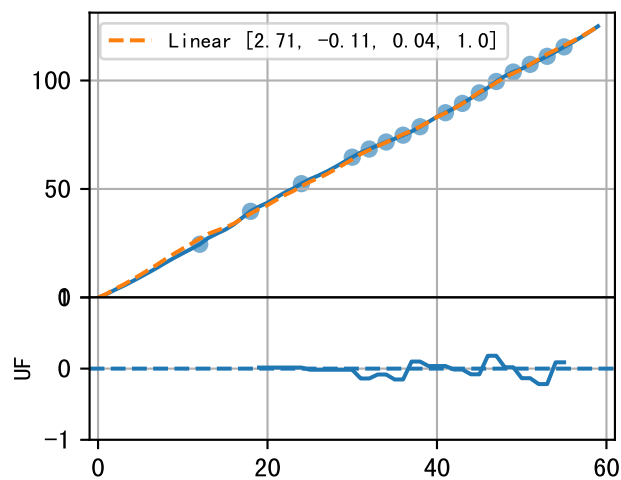
P3-6-015-30



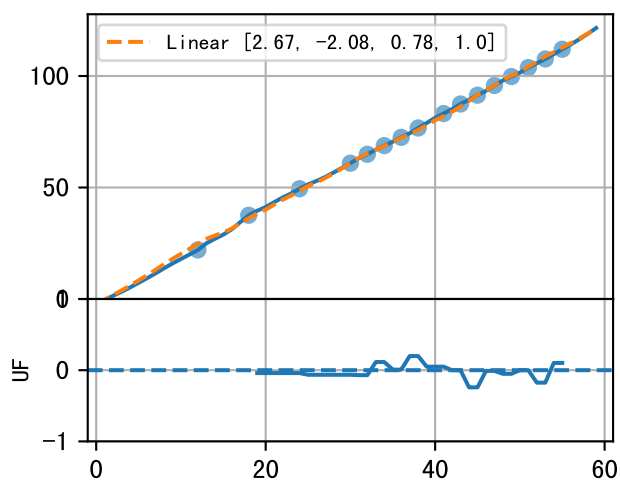
P3-6-019-12



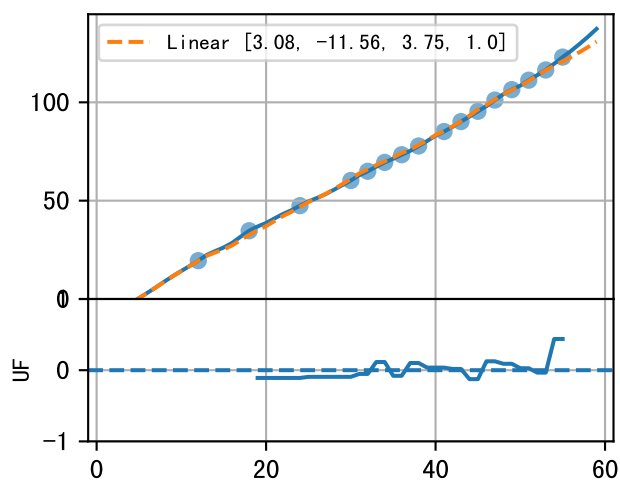
P3-6-024-25



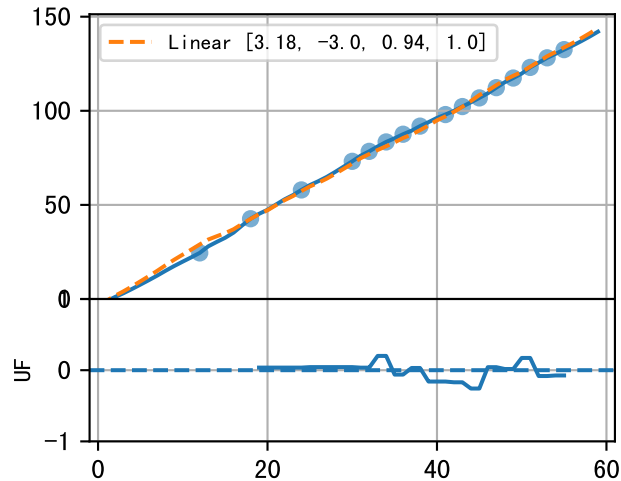
P3-6-028-32



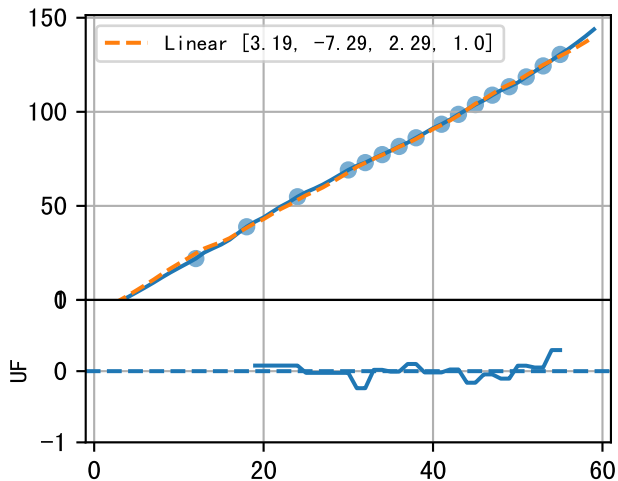
P3-6-033-9

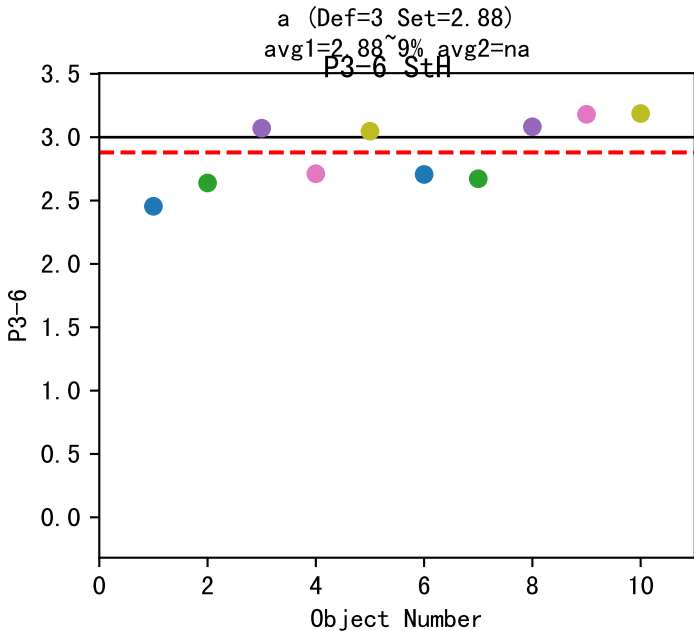


P3-6-038-21



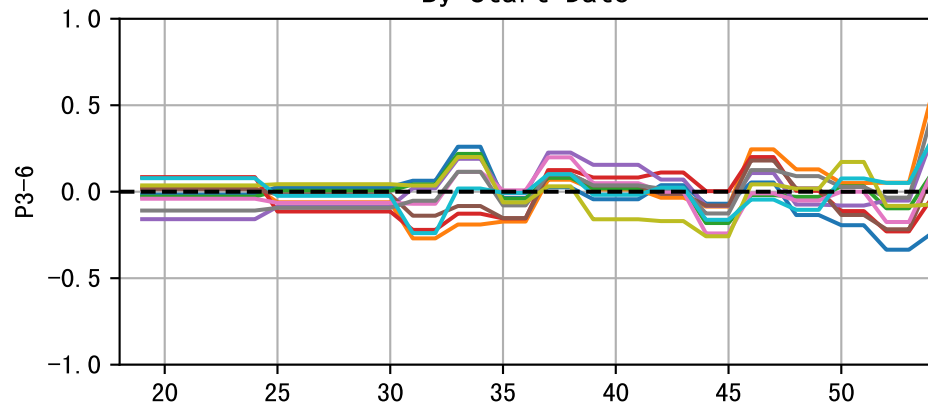
P3-6-042-4



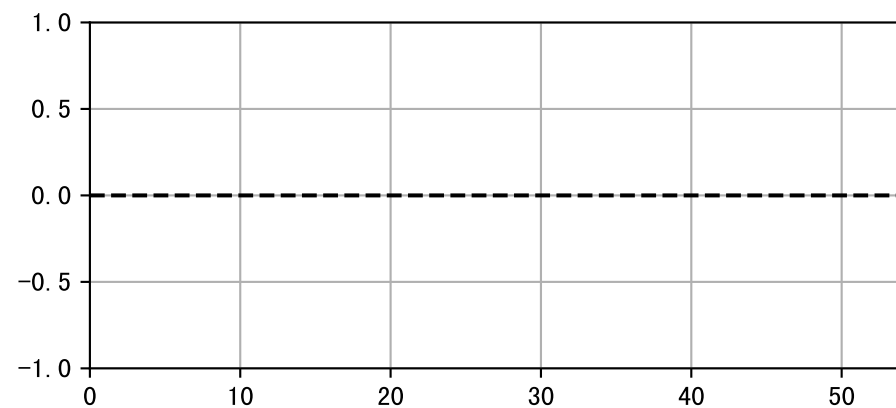
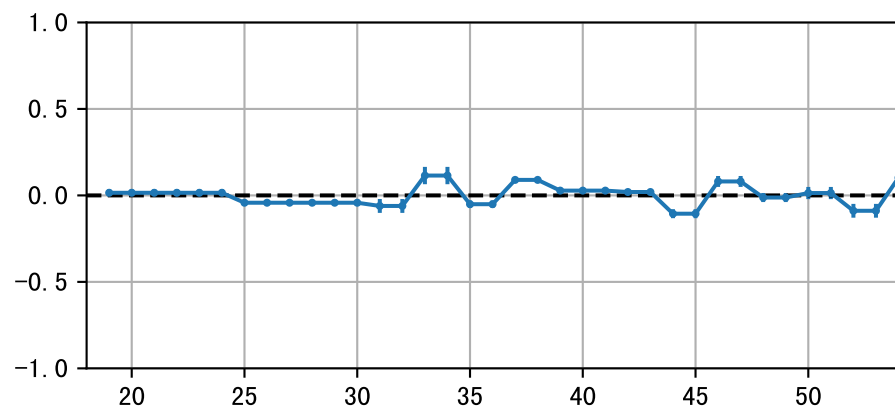
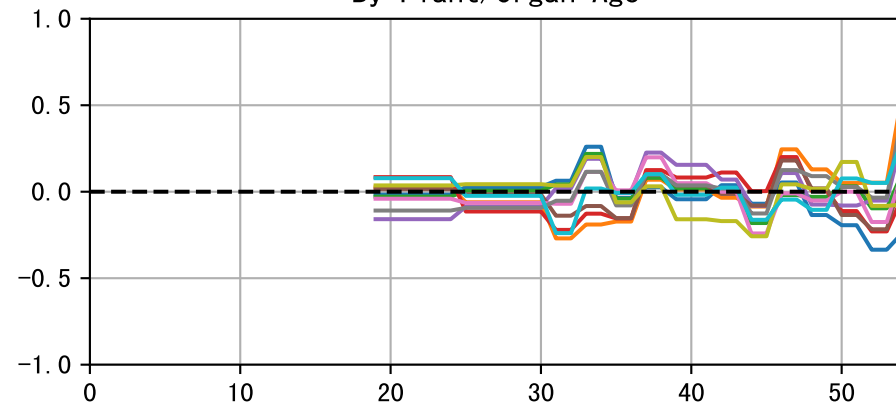


StH

By Start Date

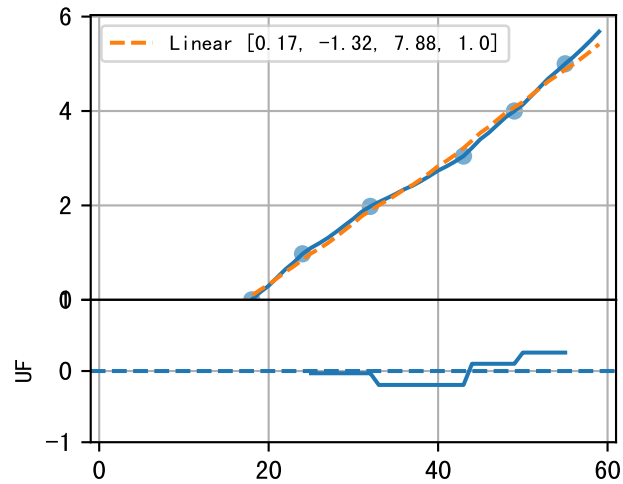


By Plant/Organ Age

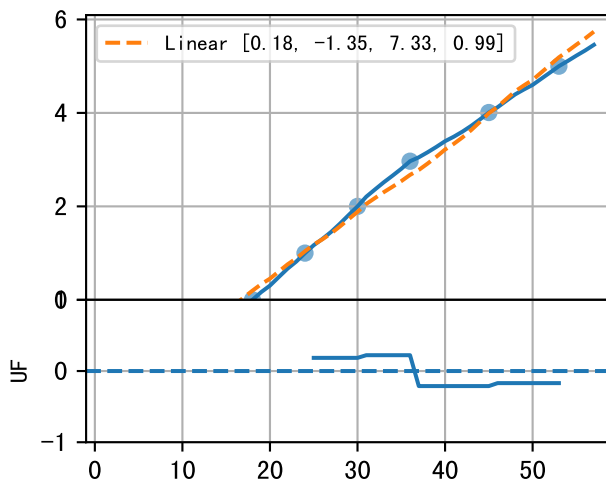


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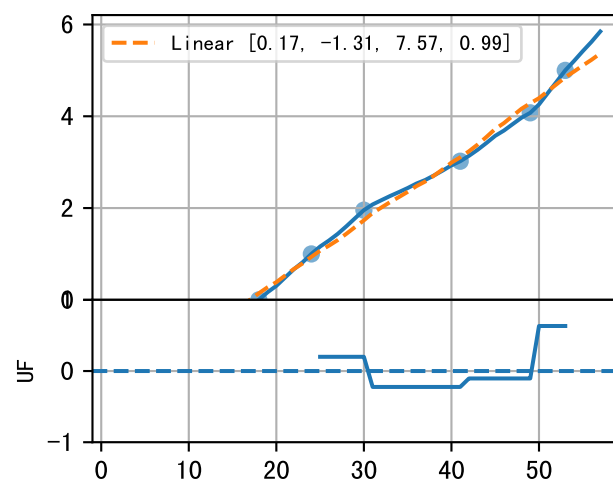
P3-6-003-24



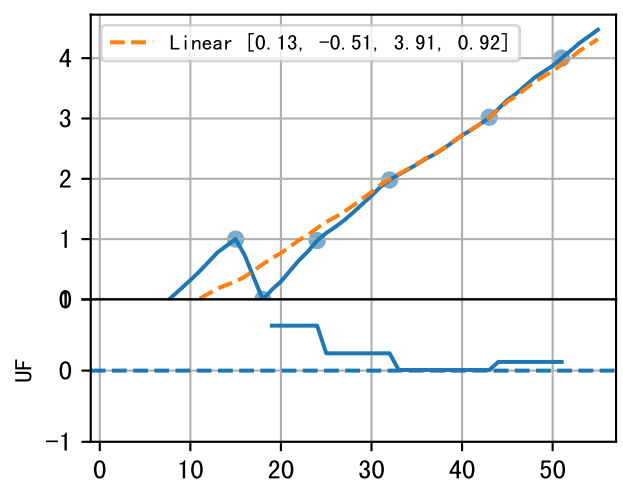
P3-6-007-11



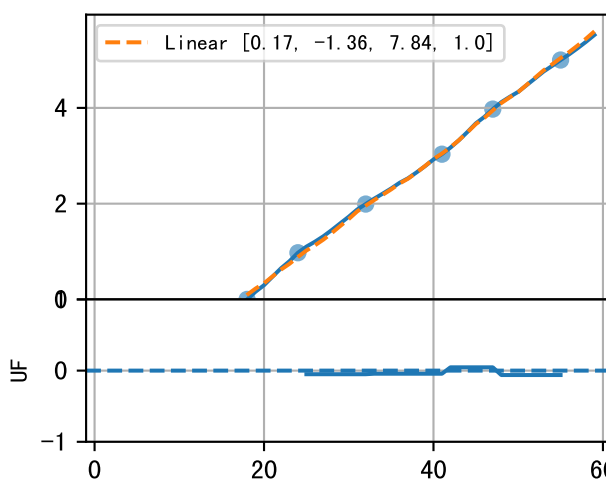
P3-6-011-7



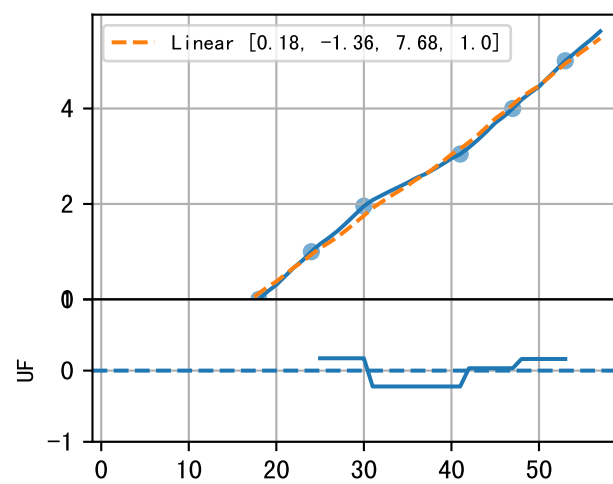
P3-6-015-30



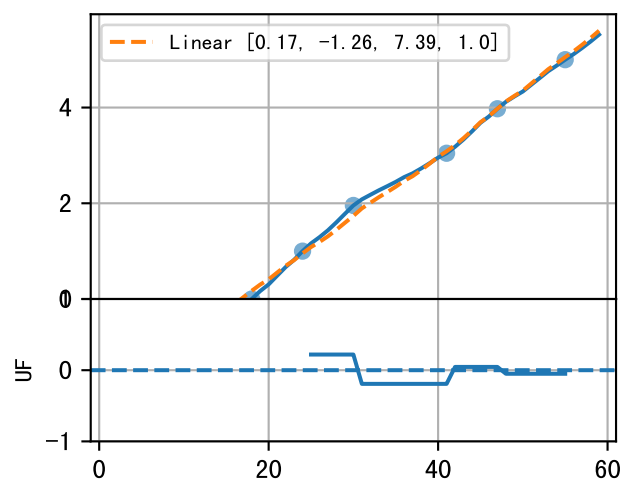
P3-6-019-12



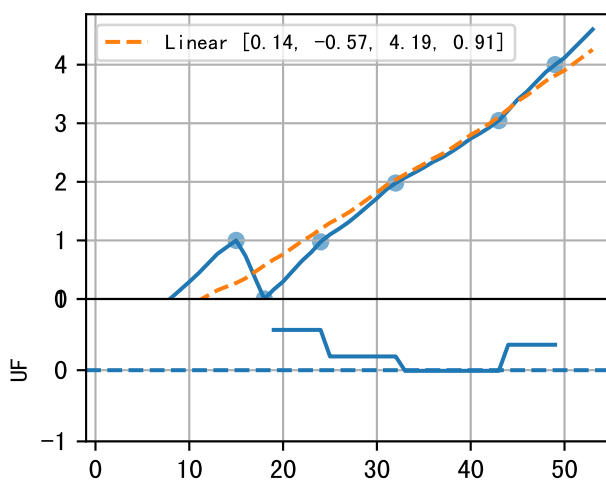
P3-6-024-25



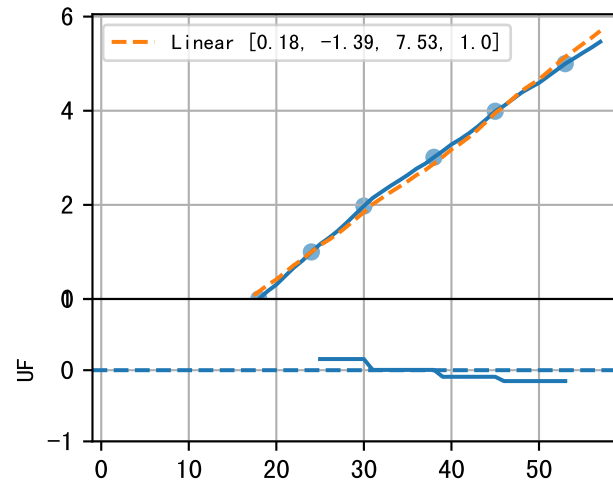
P3-6-028-32



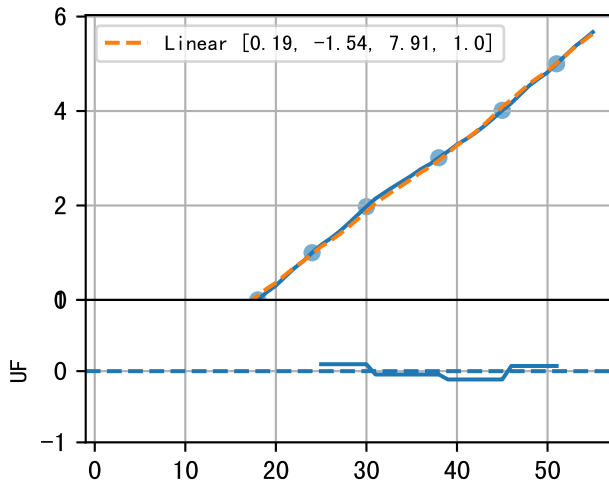
P3-6-033-9



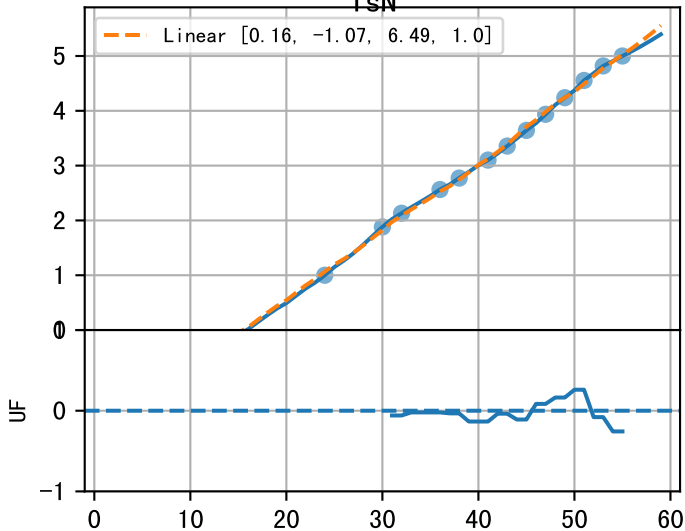
P3-6-038-21



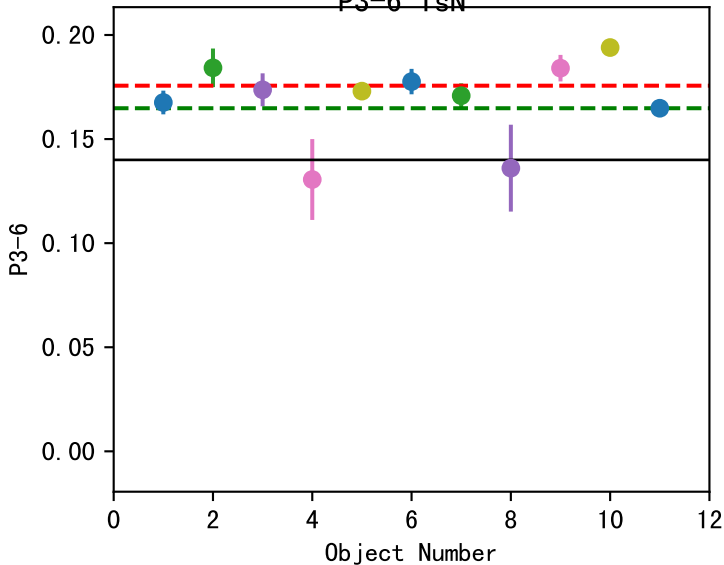
P3-6-042-4



P3-6avg
T_{SN}

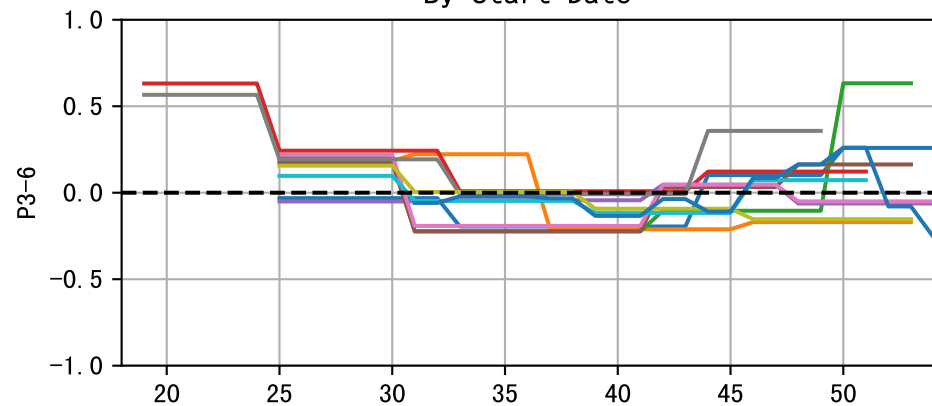


a (Def=0.14 Set=0.16)
avg1=0.18 $\sim$ 5% avg2=0.16 $\sim$ 3%
P3-6 TSN

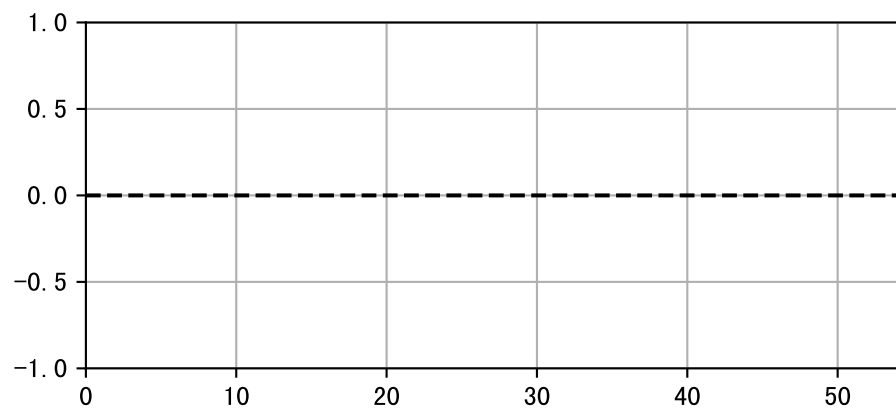
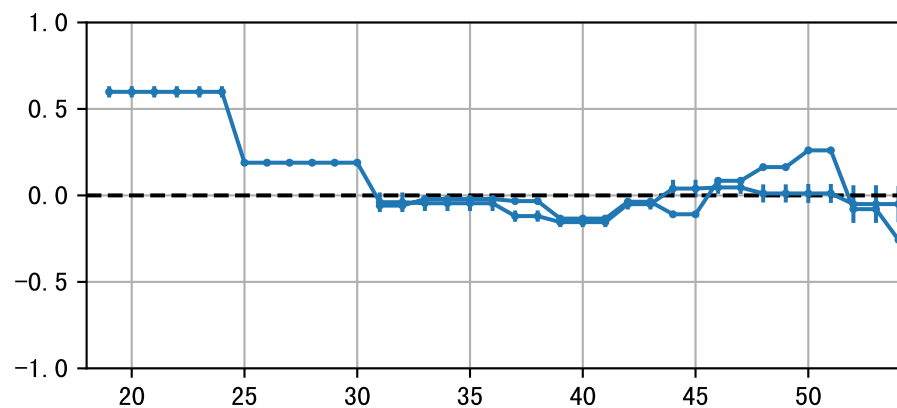
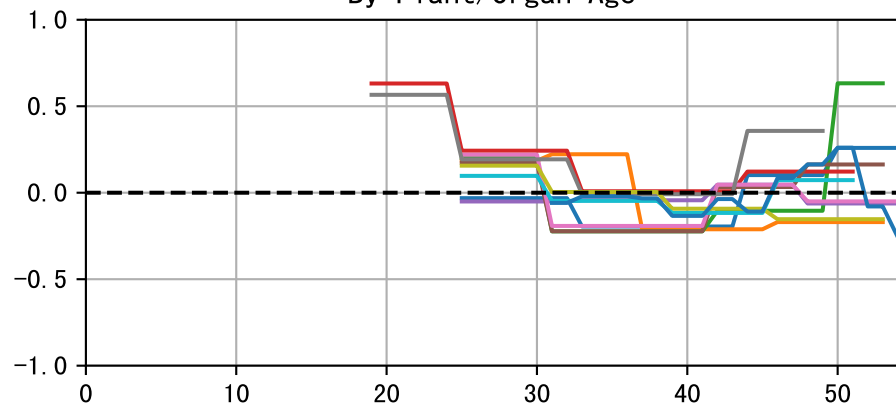


TsN

By Start Date

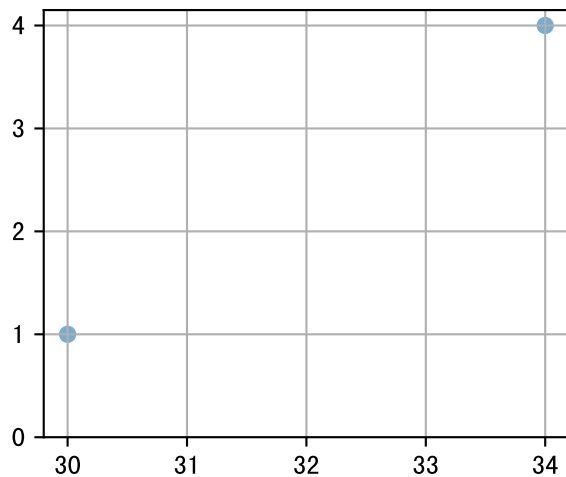


By Plant/Organ Age

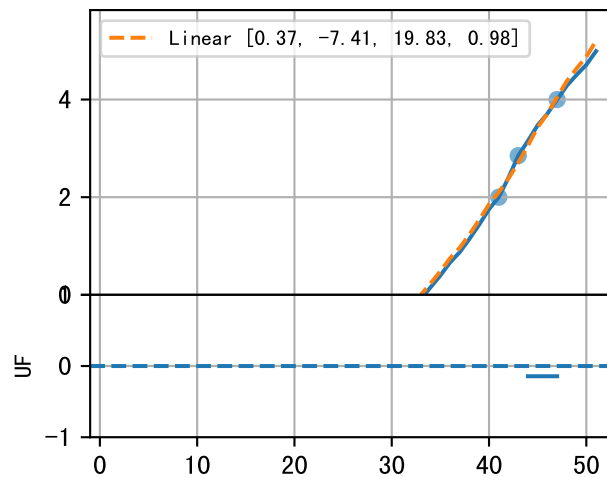


ErN

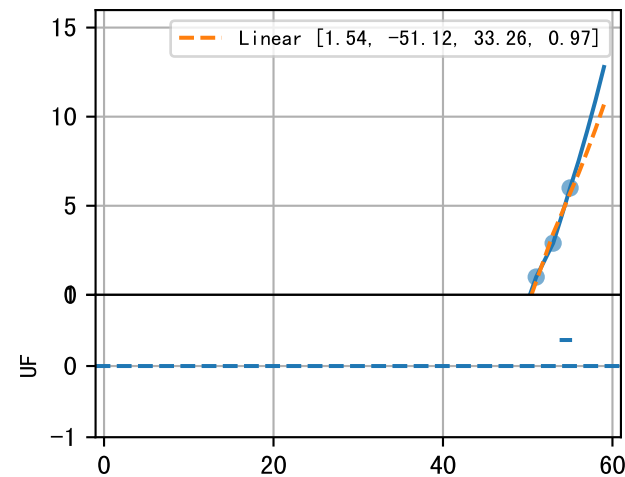
P3-6-003-24T1 (fit failed)



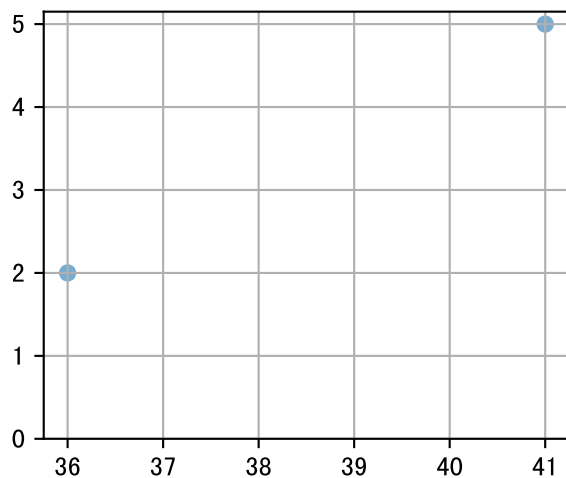
P3-6-003-24T2



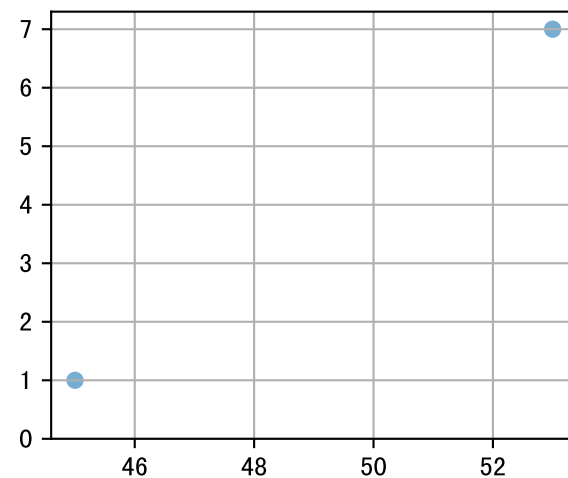
P3-6-003-24T3



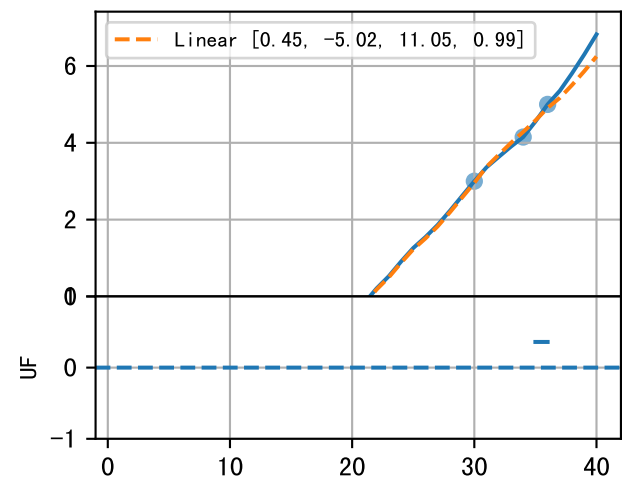
P3-6-007-11T2 (fit failed)



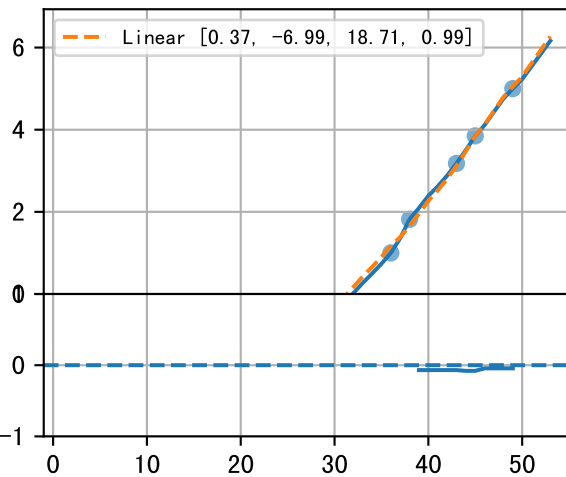
P3-6-007-11T3 (fit failed)



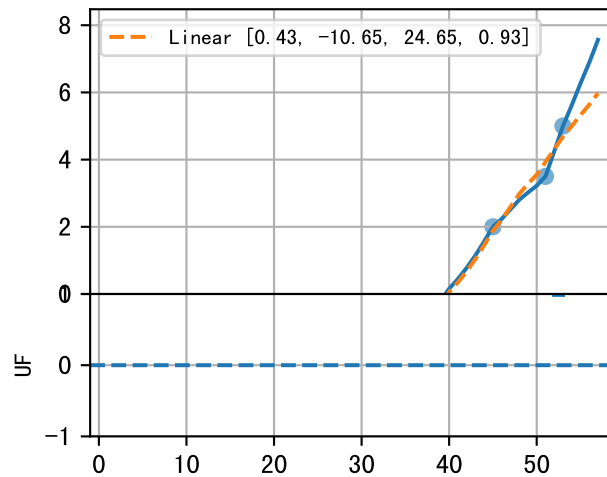
P3-6-011-7T1



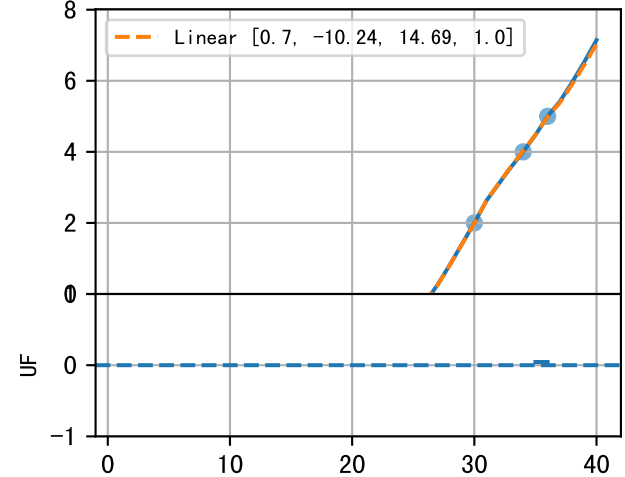
P3-6-011-7T2



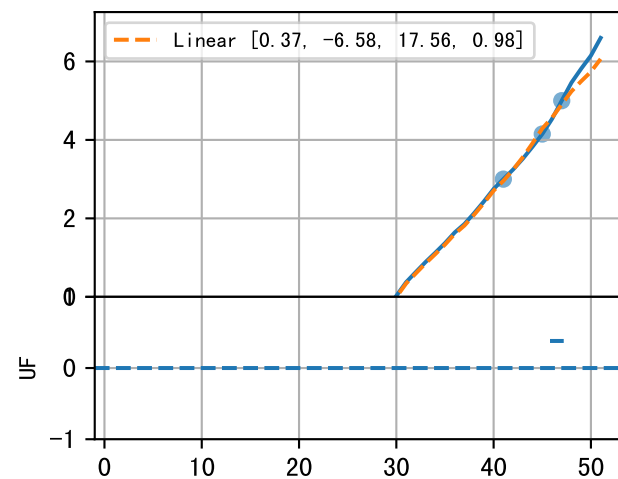
P3-6-011-7T3



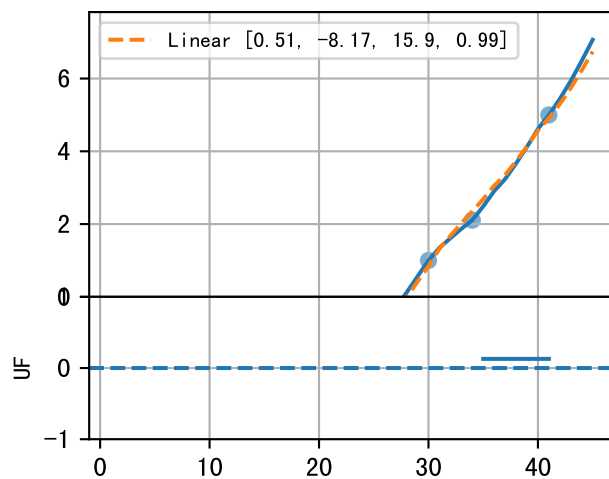
P3-6-015-30T1



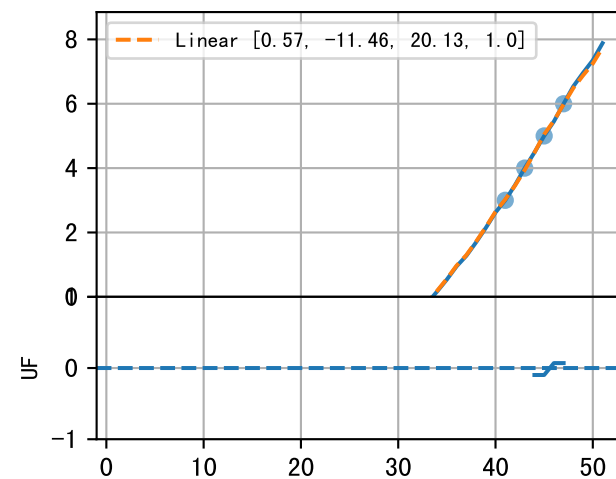
P3-6-015-30T2



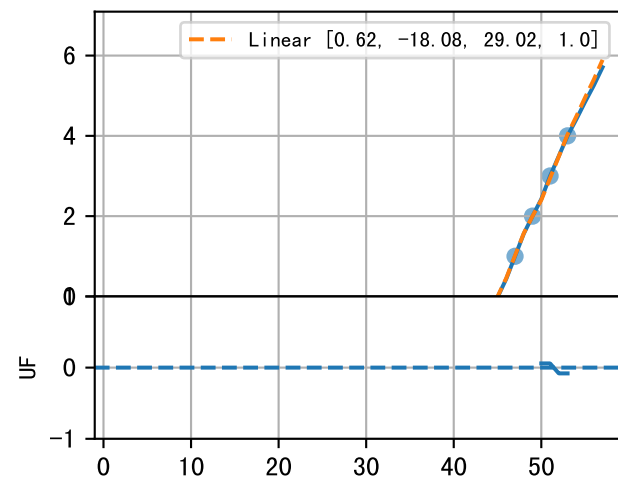
P3-6-019-12T1



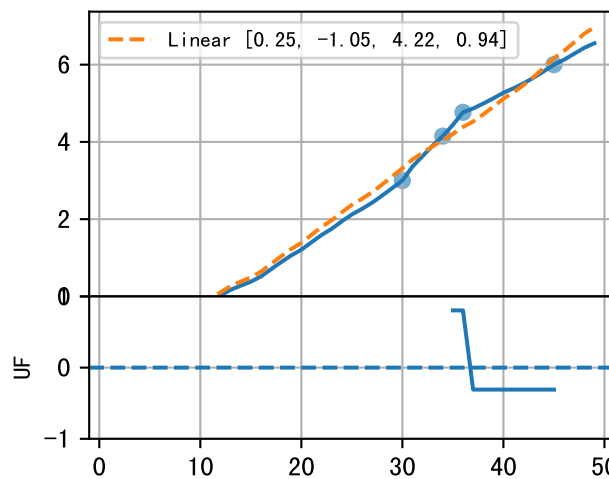
P3-6-019-12T2



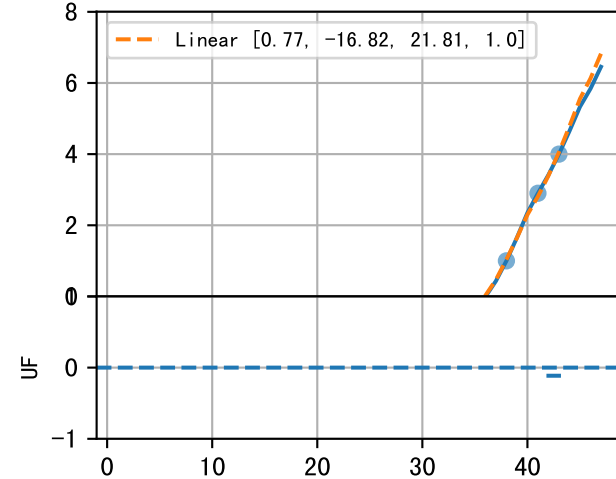
P3-6-019-12T3



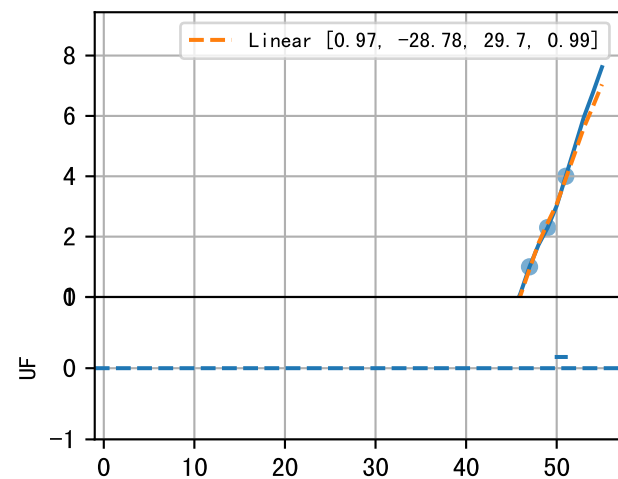
P3-6-024-25T1



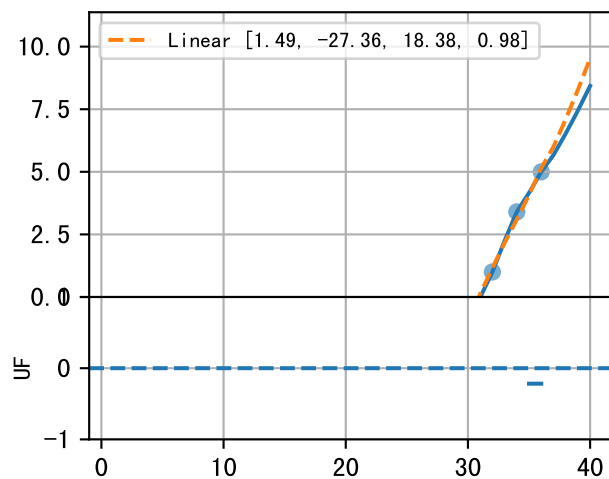
P3-6-024-25T2



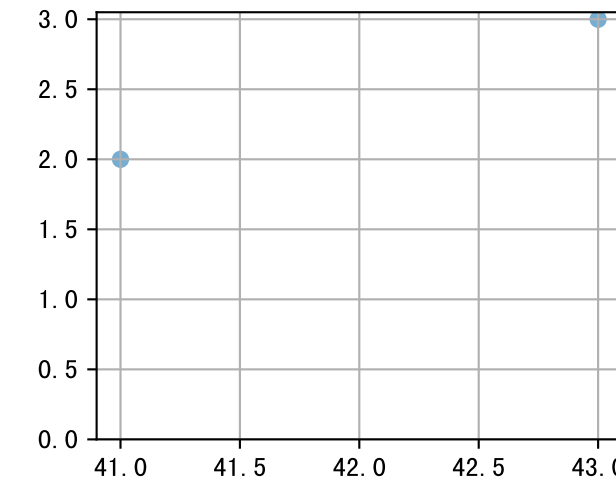
P3-6-024-25T3



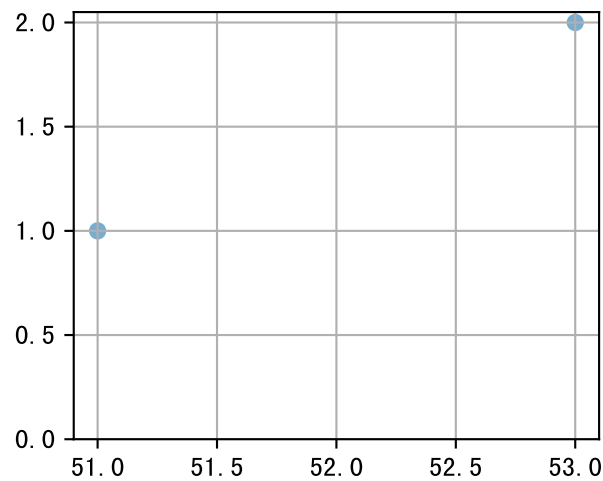
P3-6-028-32T1



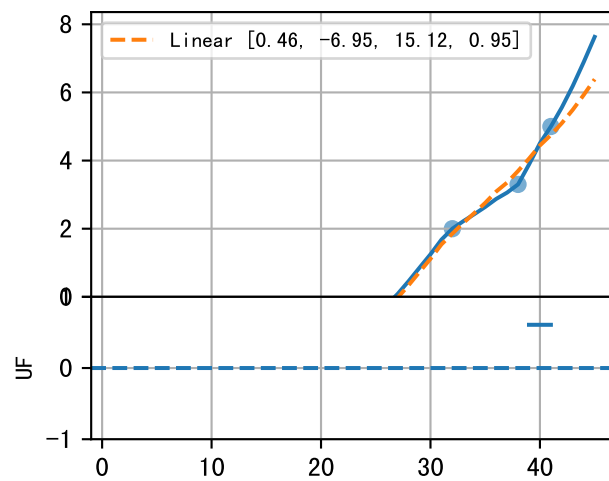
P3-6-028-32T2 (fit failed)



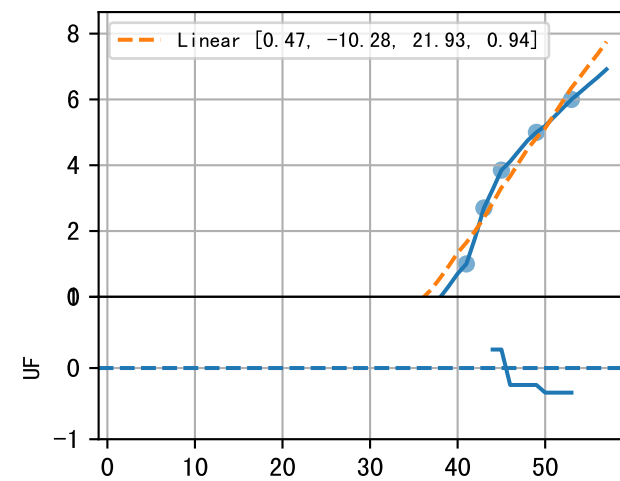
P3-6-028-32T3 (fit failed)



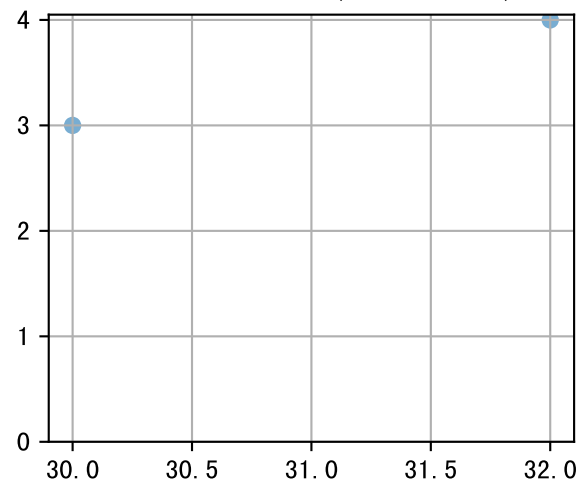
P3-6-033-9T1



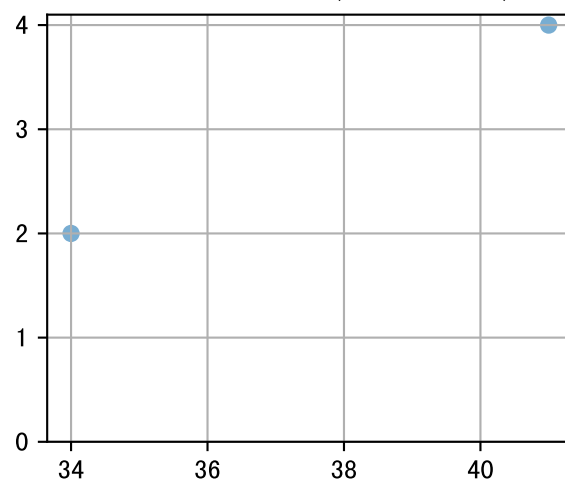
P3-6-033-9T2



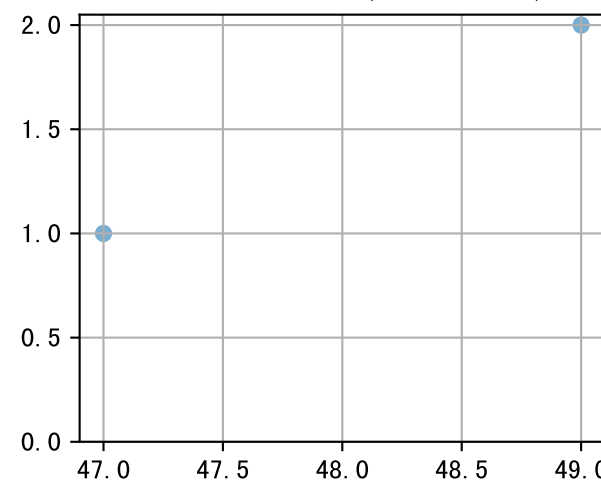
P3-6-038-21T1 (fit failed)



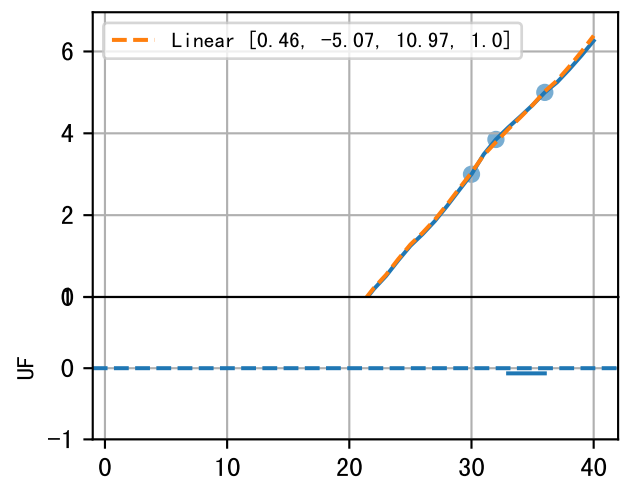
P3-6-038-21T2 (fit failed)



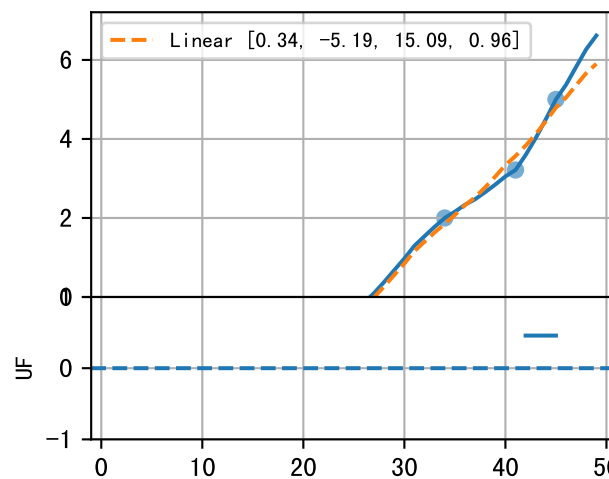
P3-6-038-21T3 (fit failed)



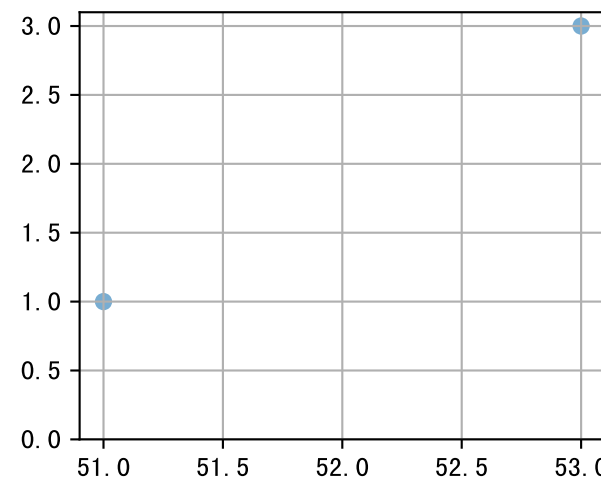
P3-6-042-4T1



P3-6-042-4T2



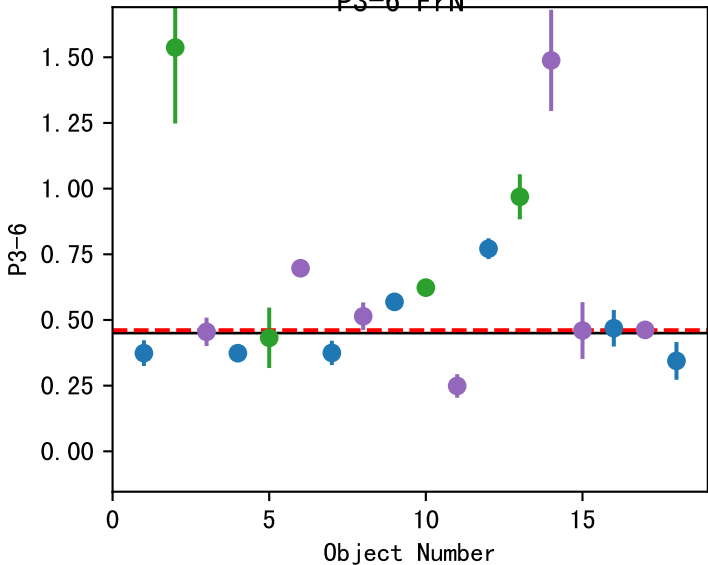
P3-6-042-4T3 (fit failed)



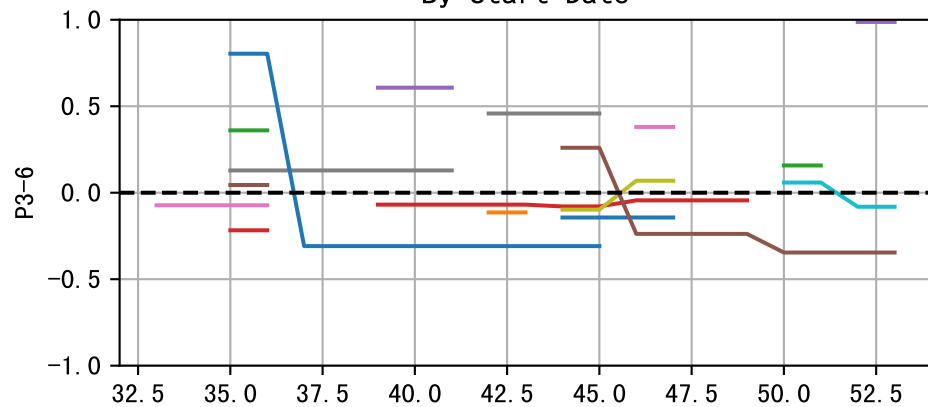
a (Def=0.45 Set=0.46)

avg1=0.46^{+39%} avg2=na

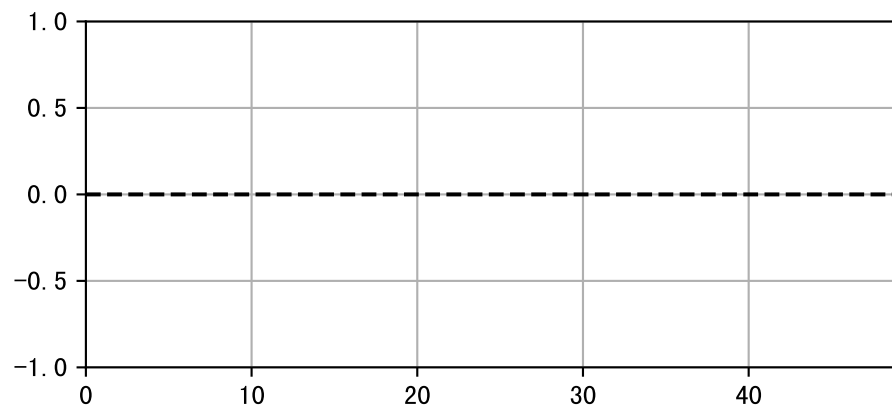
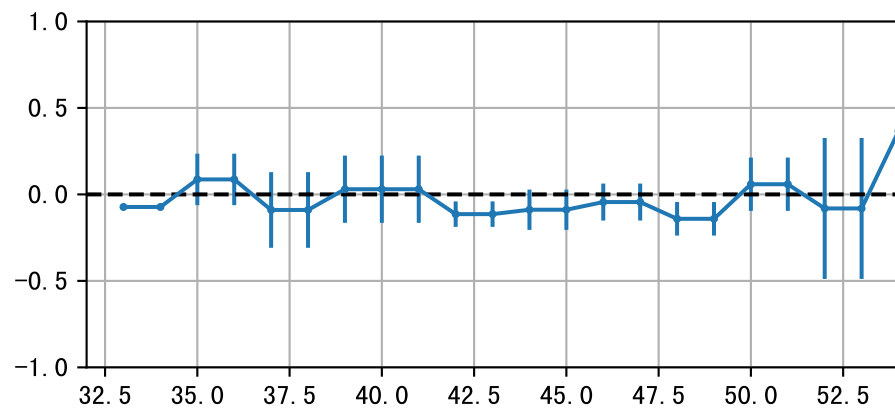
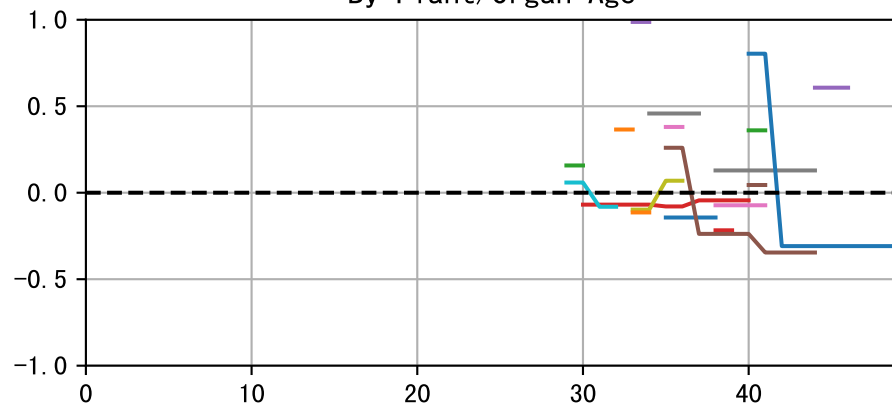
P3-6 FrN



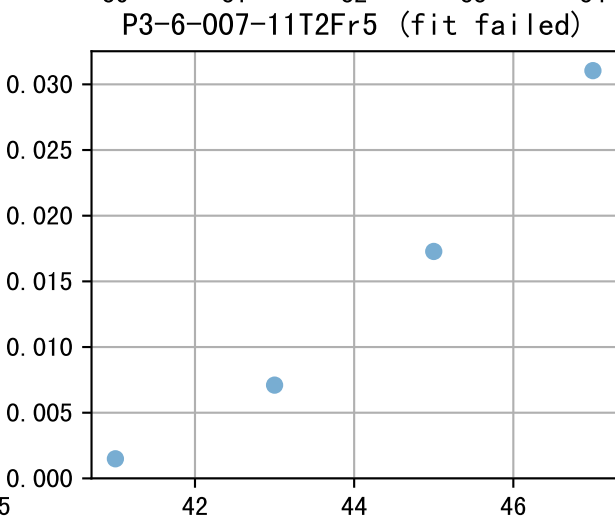
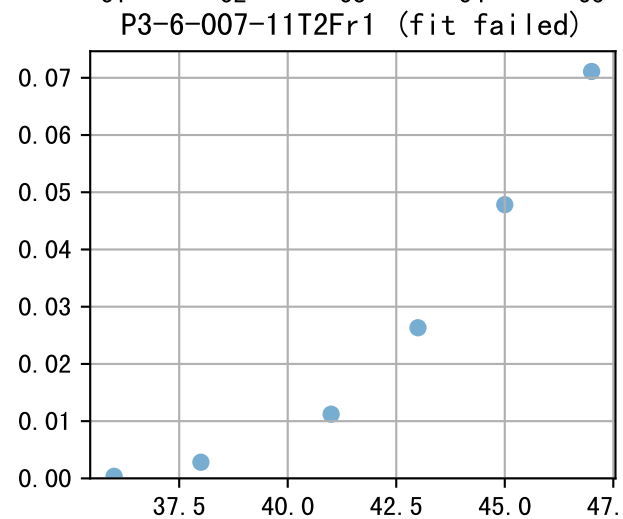
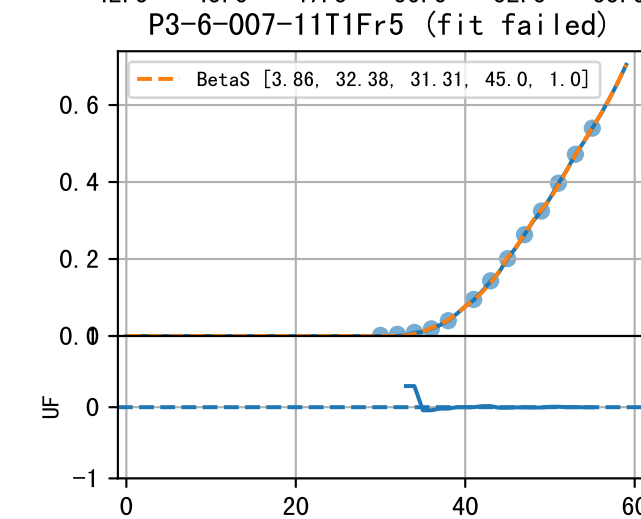
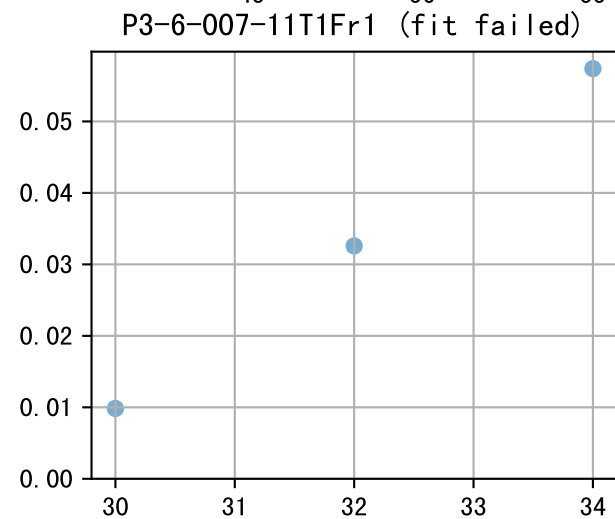
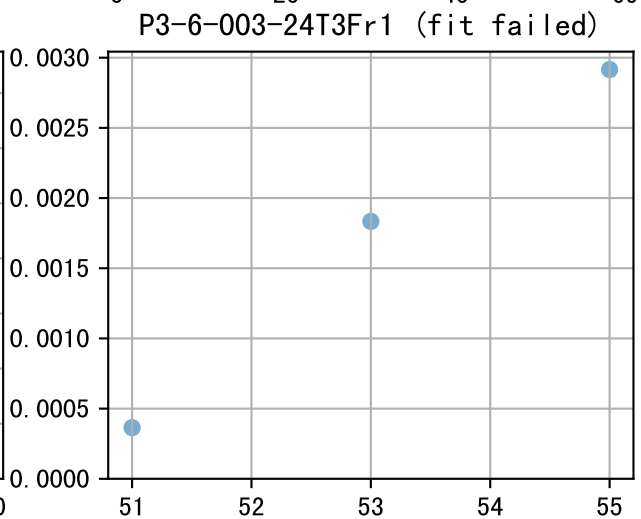
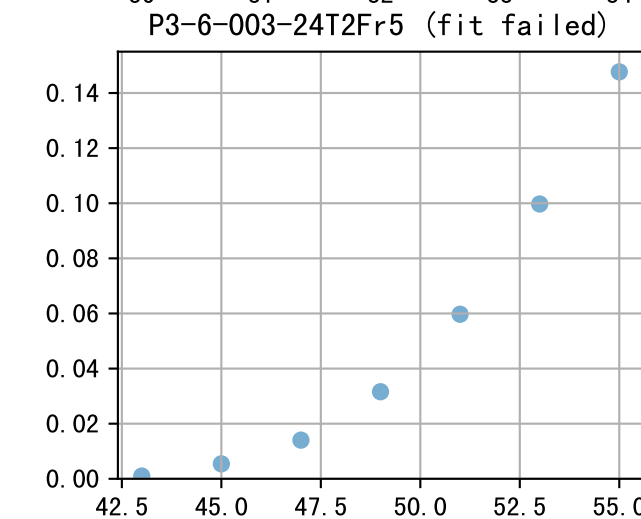
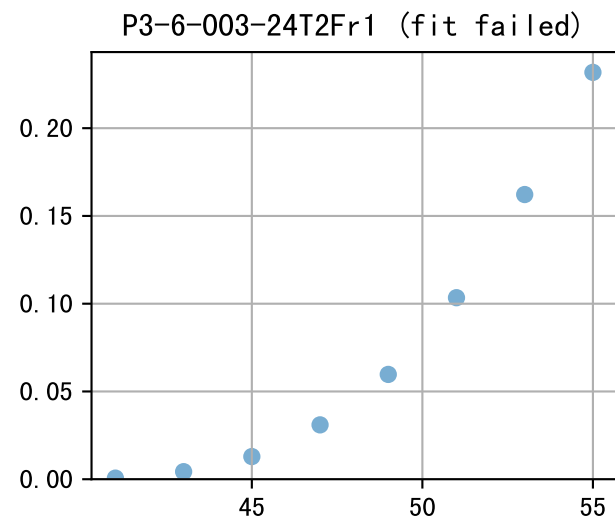
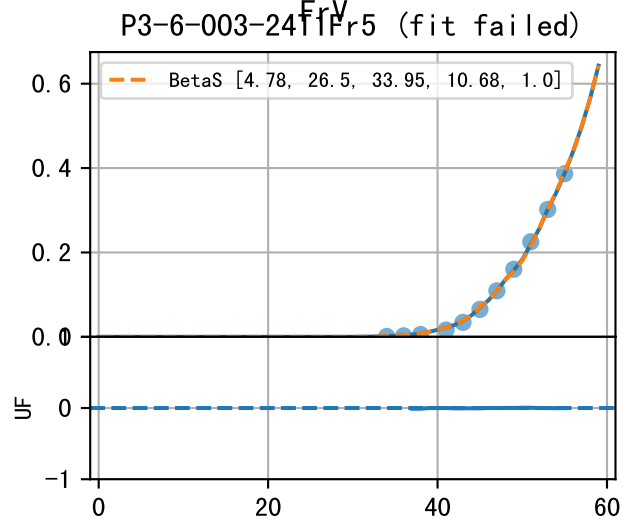
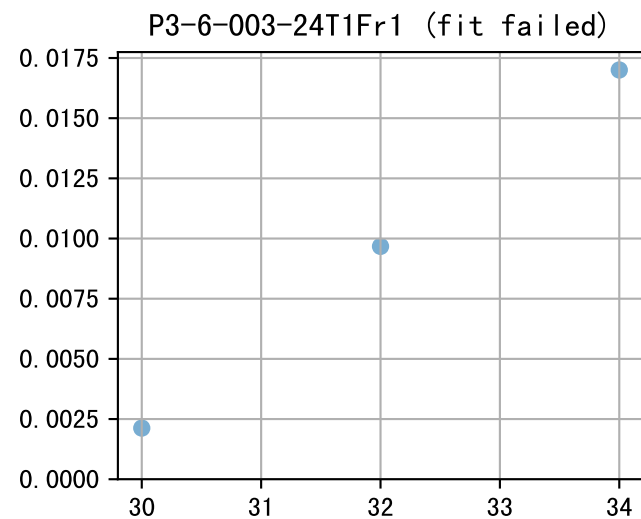
By Start Date



By Plant/Organ Age

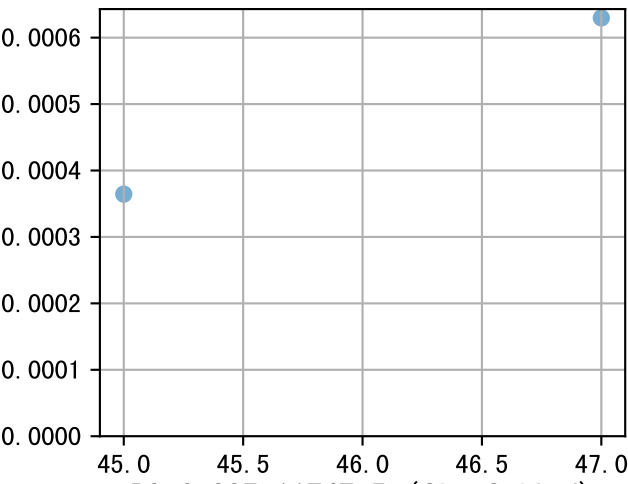


FrV

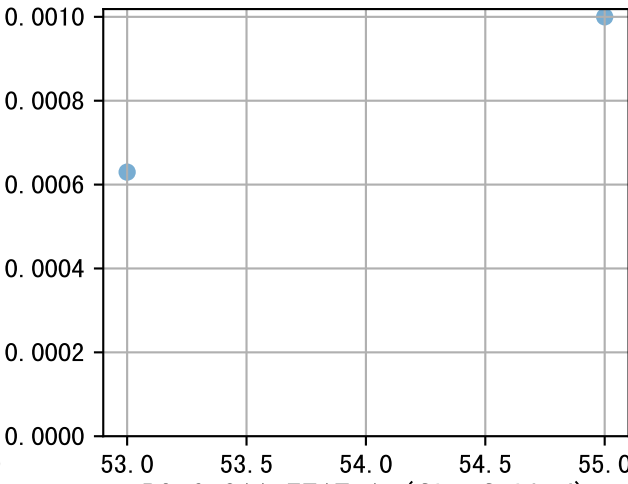


FrV

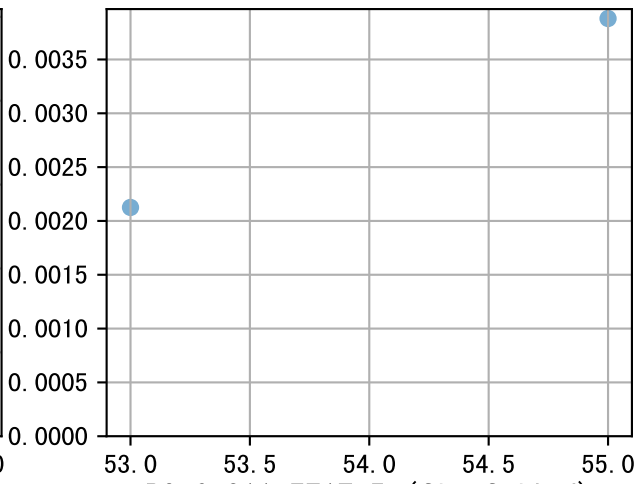
P3-6-007-11T3Fr1 (fit failed)



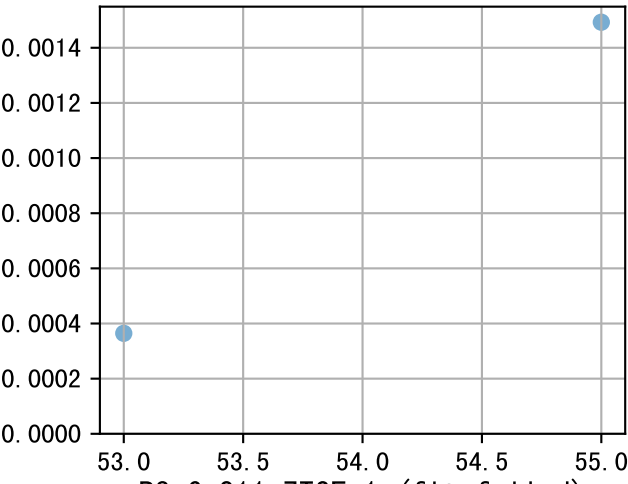
P3-6-007-11T3Fr5 (fit failed)



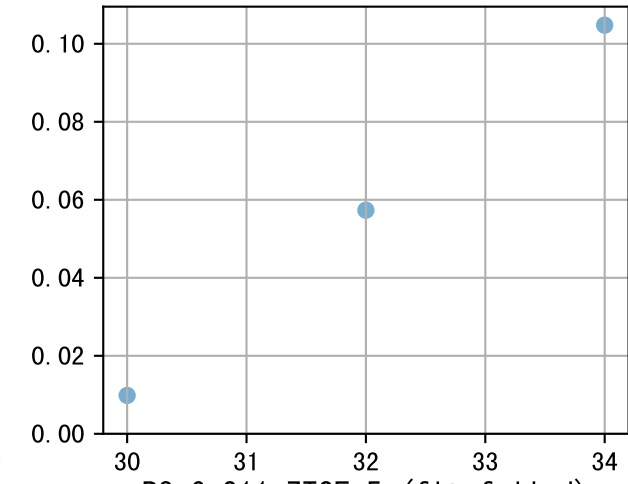
P3-6-007-11T4Fr1 (fit failed)



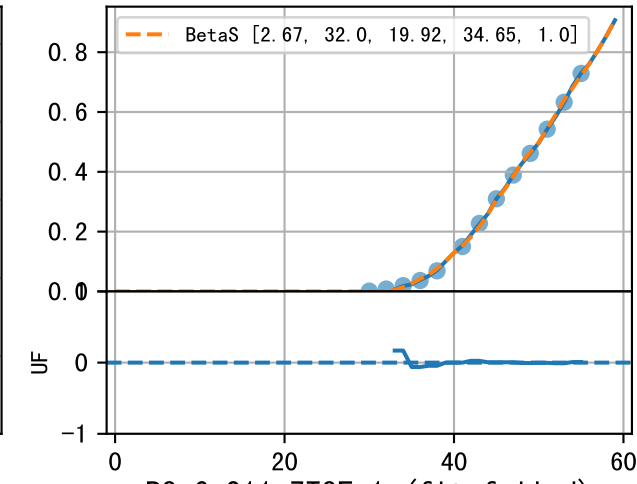
P3-6-007-11T4Fr5 (fit failed)



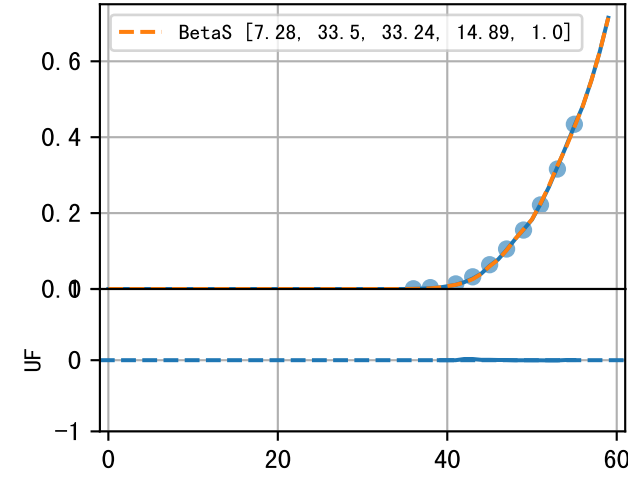
P3-6-011-7T1Fr1 (fit failed)



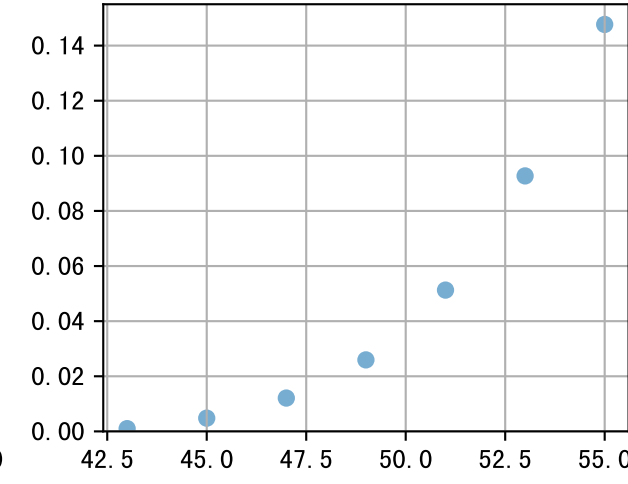
P3-6-011-7T1Fr5 (fit failed)



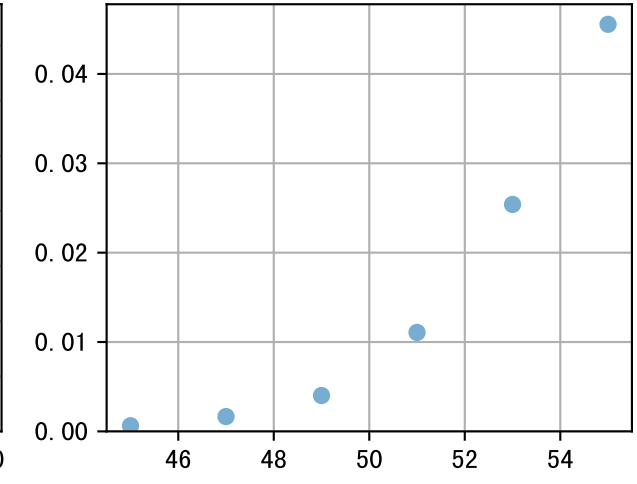
P3-6-011-7T2Fr1 (fit failed)



P3-6-011-7T2Fr5 (fit failed)

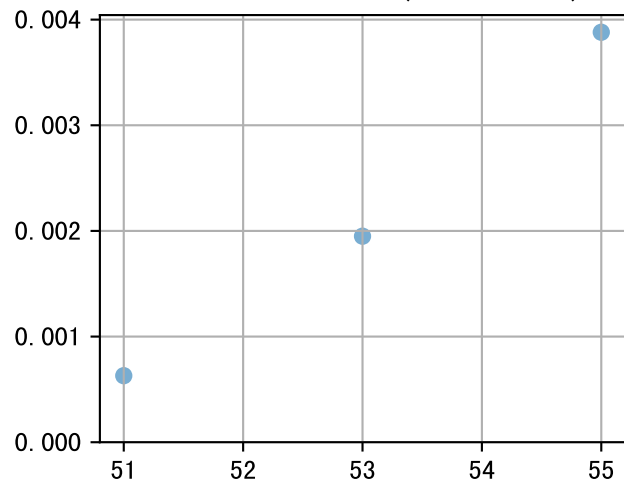


P3-6-011-7T3Fr1 (fit failed)

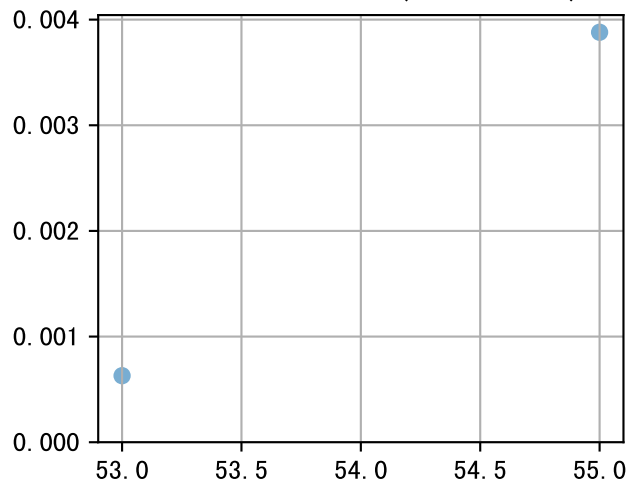


FrV

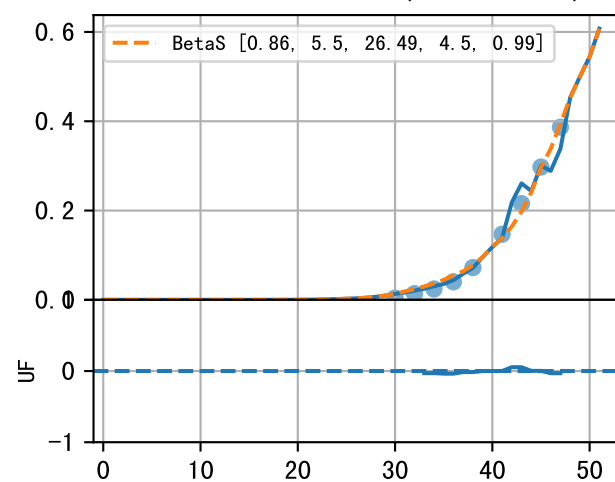
P3-6-011-7T3Fr5 (fit failed)



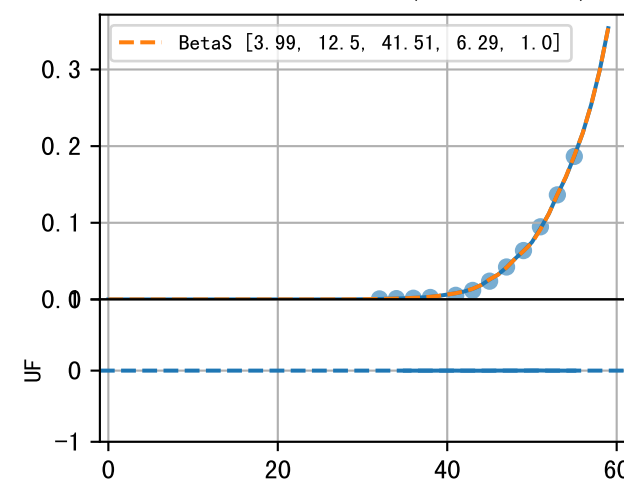
P3-6-011-7T4Fr1 (fit failed)



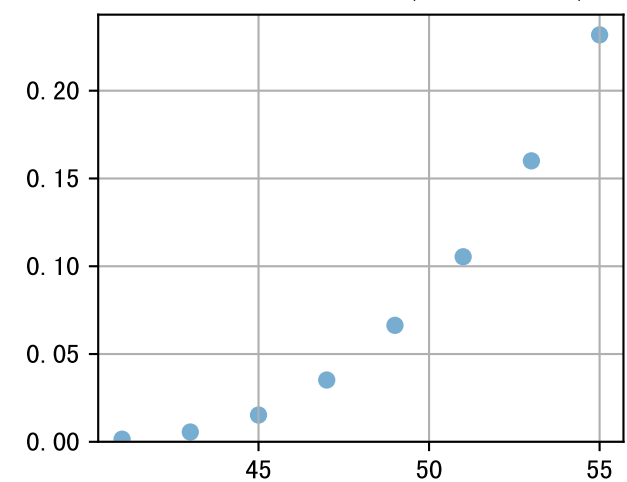
P3-6-015-30T1Fr1 (fit failed)



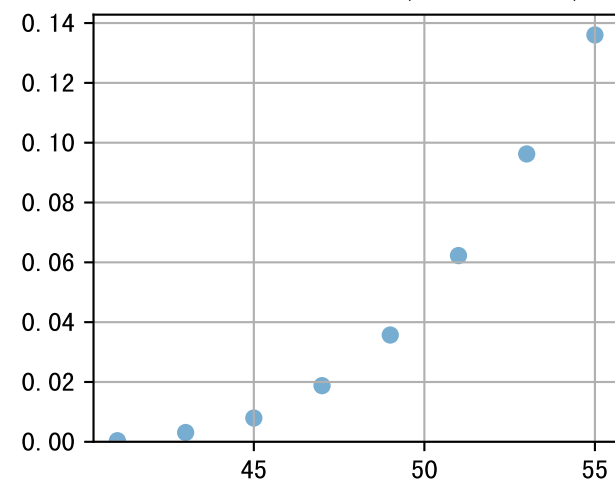
P3-6-015-30T1Fr5 (fit failed)



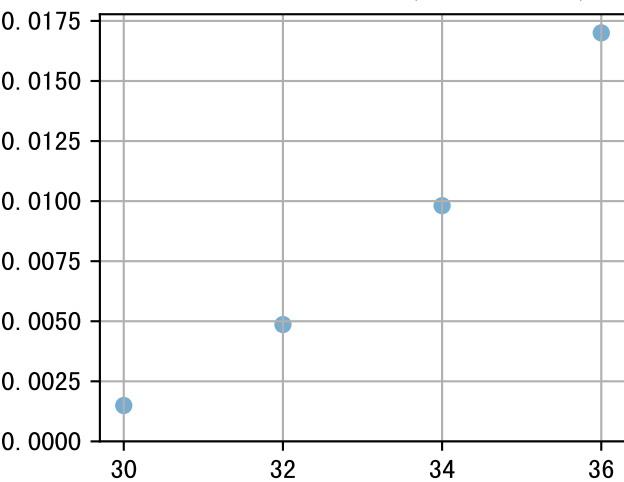
P3-6-015-30T2Fr1 (fit failed)



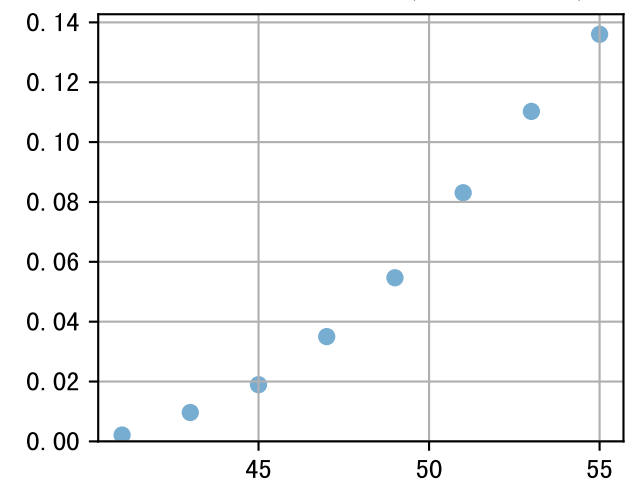
P3-6-015-30T2Fr5 (fit failed)



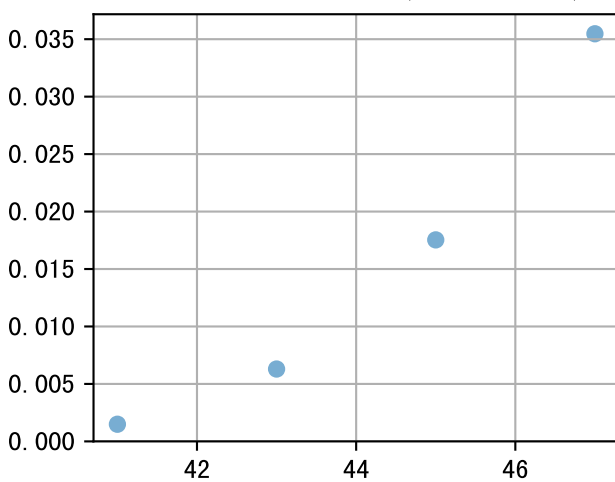
P3-6-019-12T1Fr1 (fit failed)



P3-6-019-12T1Fr5 (fit failed)

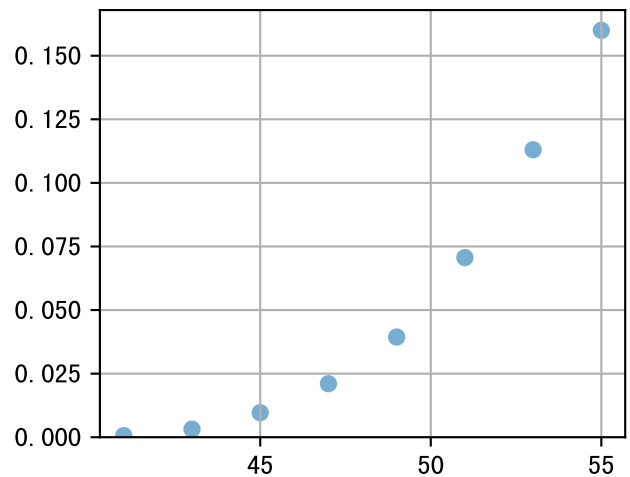


P3-6-019-12T2Fr1 (fit failed)

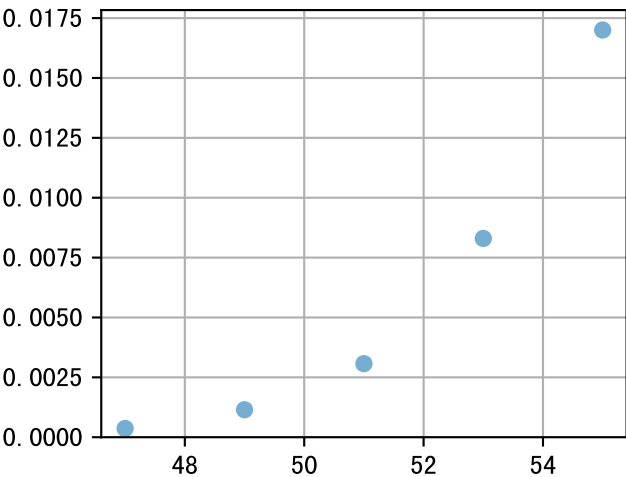


FrV

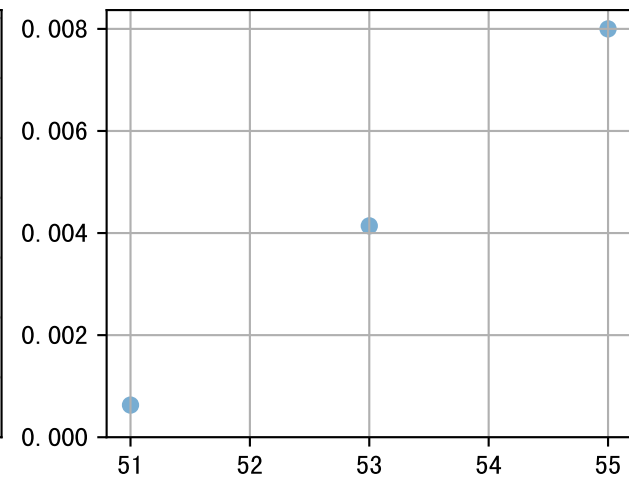
P3-6-019-12T2Fr5 (fit failed)



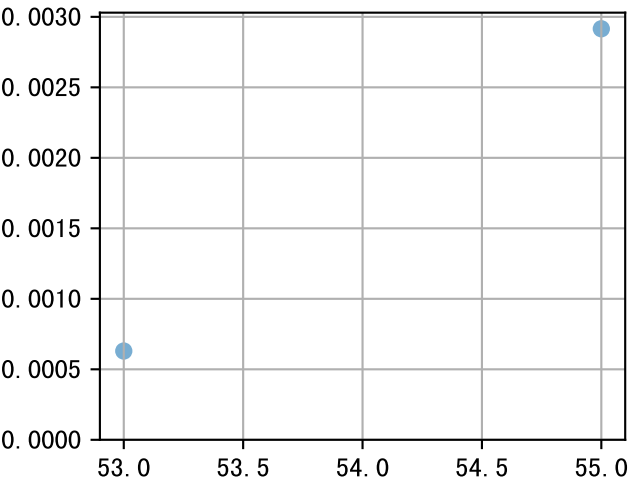
P3-6-019-12T3Fr1 (fit failed)



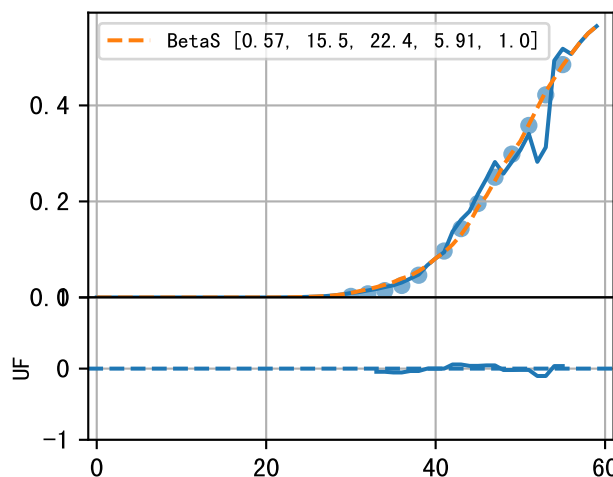
P3-6-019-12T3Fr5 (fit failed)



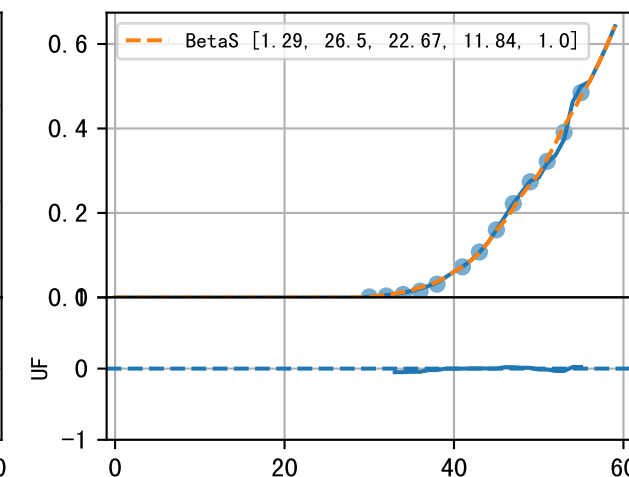
P3-6-019-12T4Fr1 (fit failed)



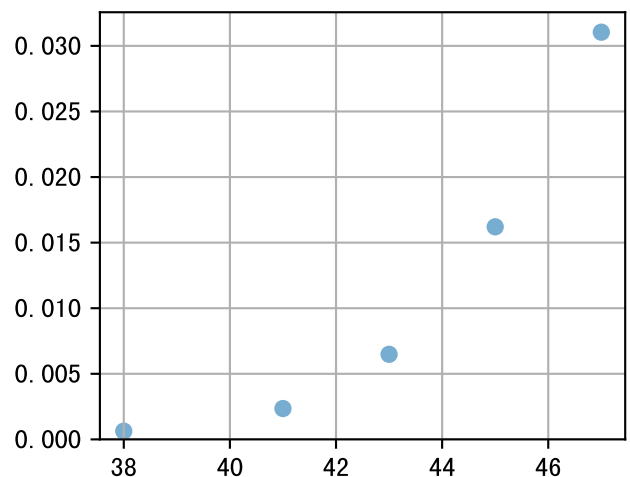
P3-6-024-25T1Fr1



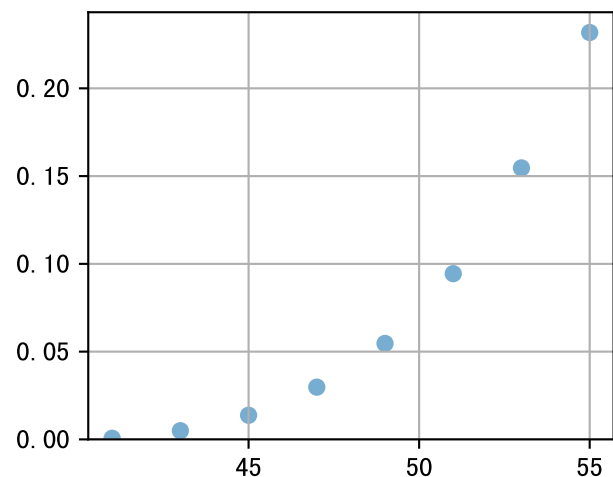
P3-6-024-25T1Fr5



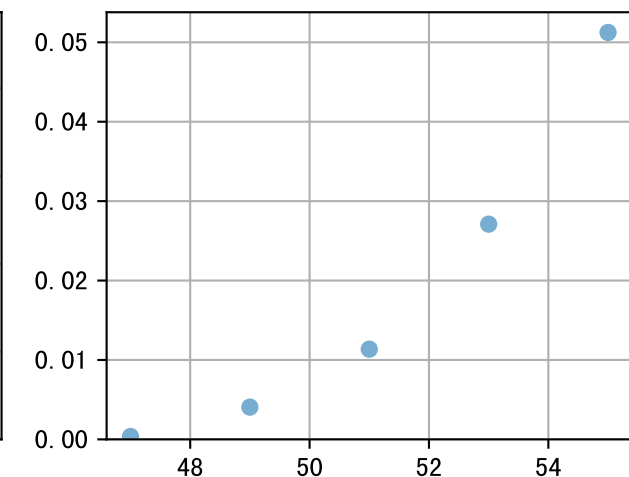
P3-6-024-25T2Fr1 (fit failed)



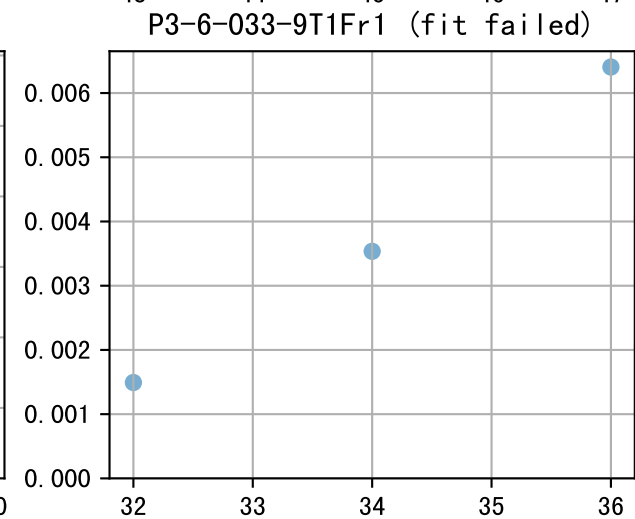
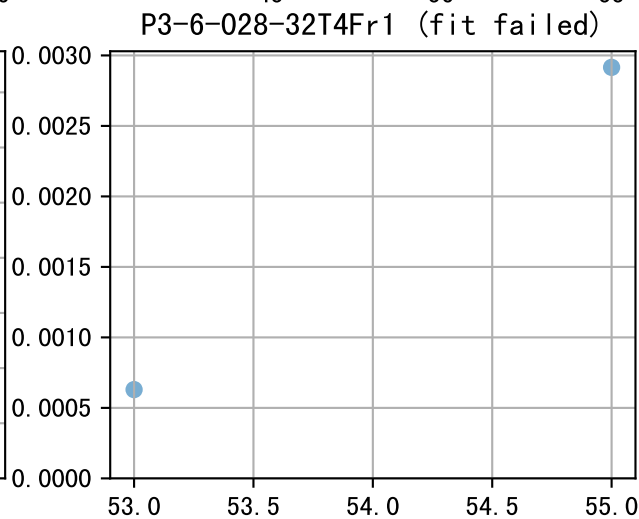
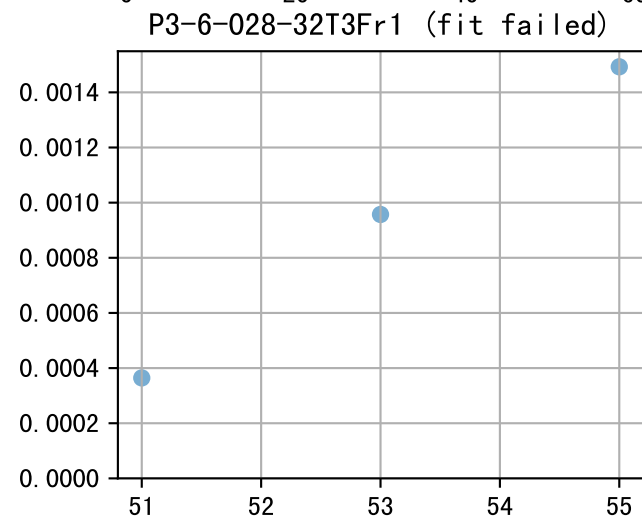
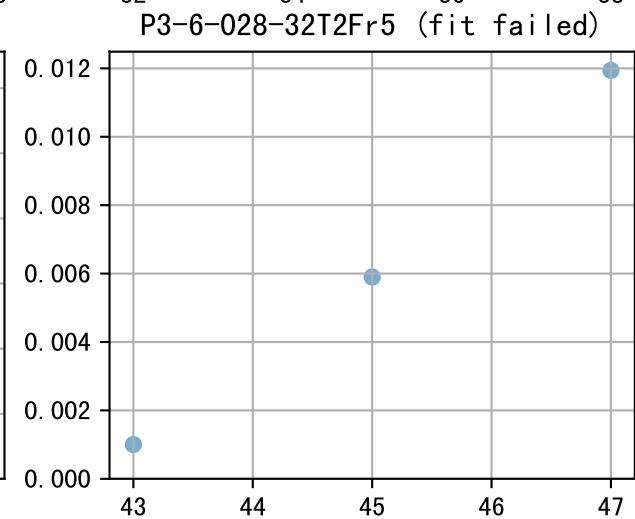
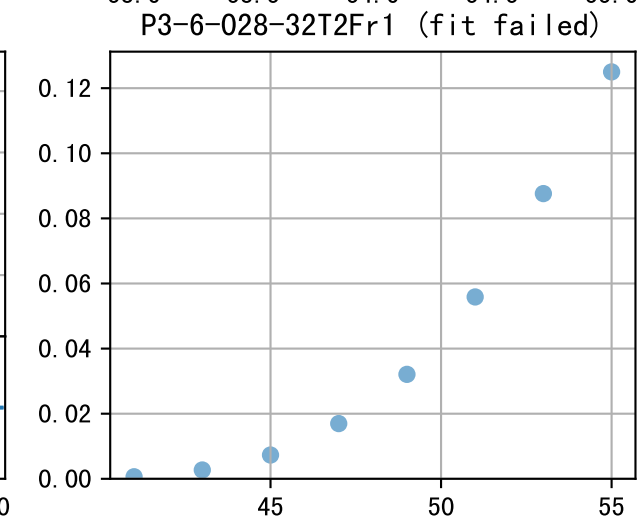
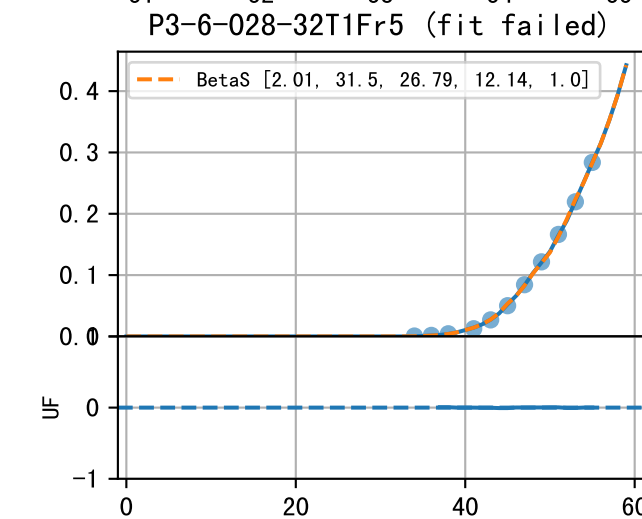
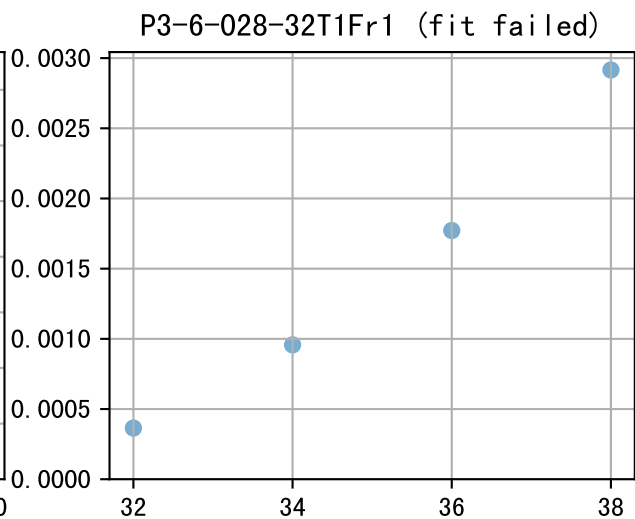
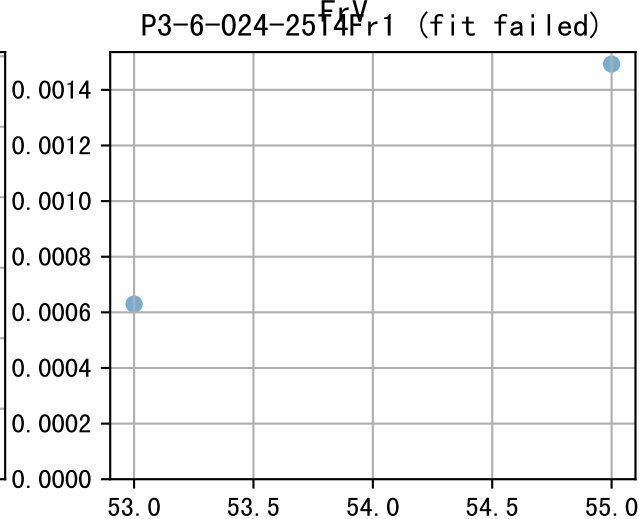
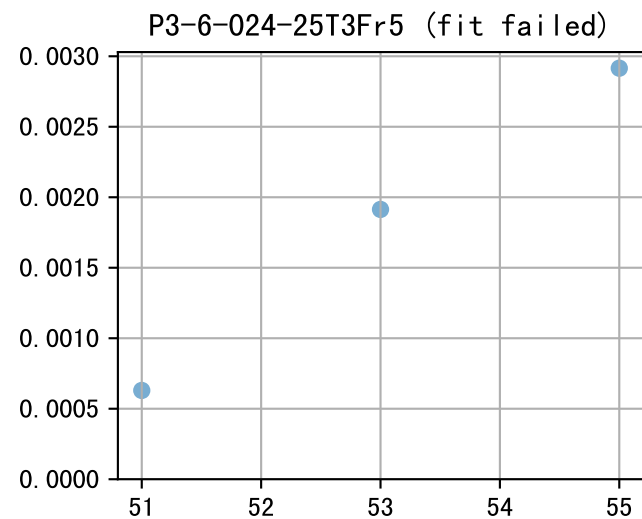
P3-6-024-25T2Fr5 (fit failed)



P3-6-024-25T3Fr1 (fit failed)

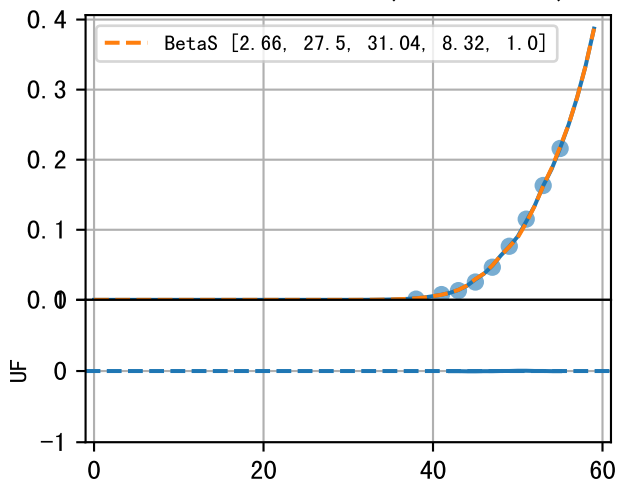


FrV

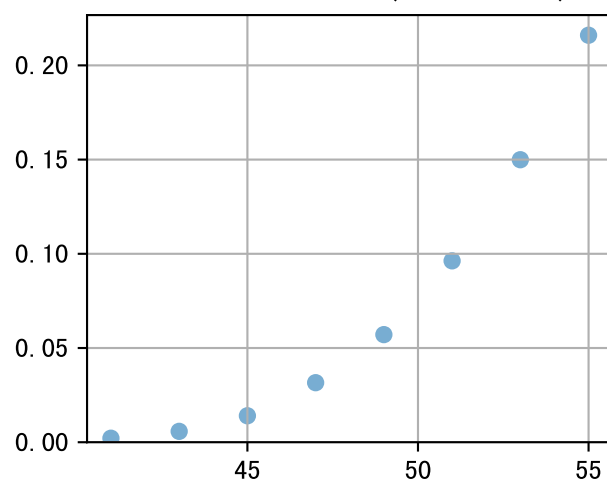


FrV

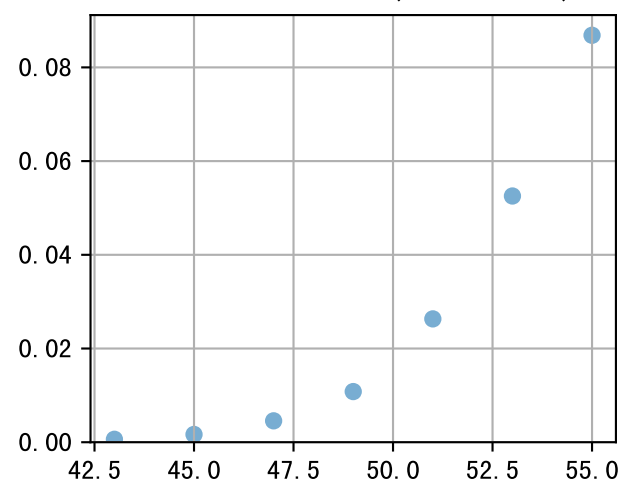
P3-6-033-9T1Fr5 (fit failed)



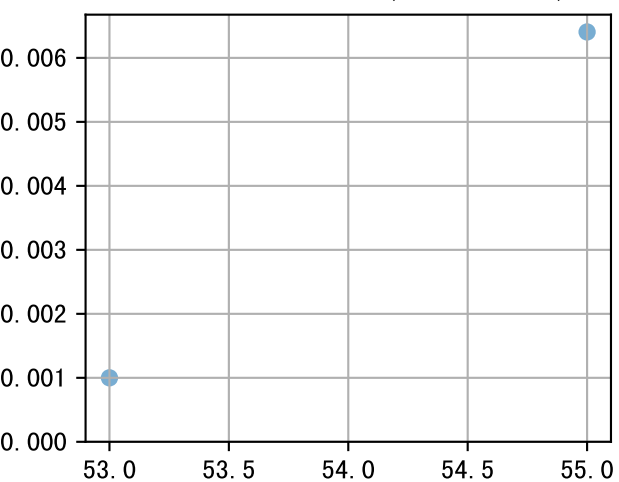
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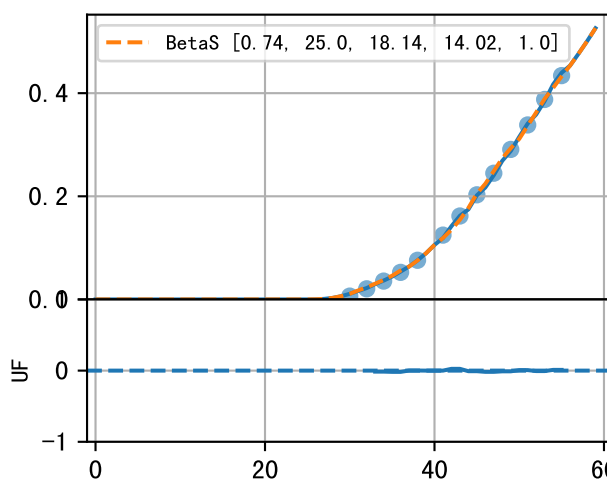
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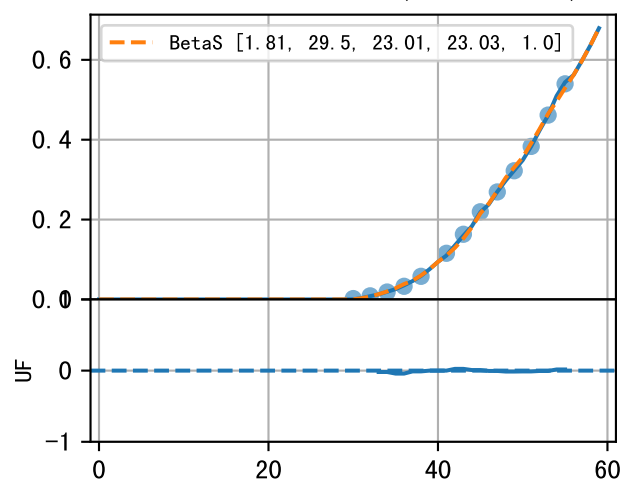
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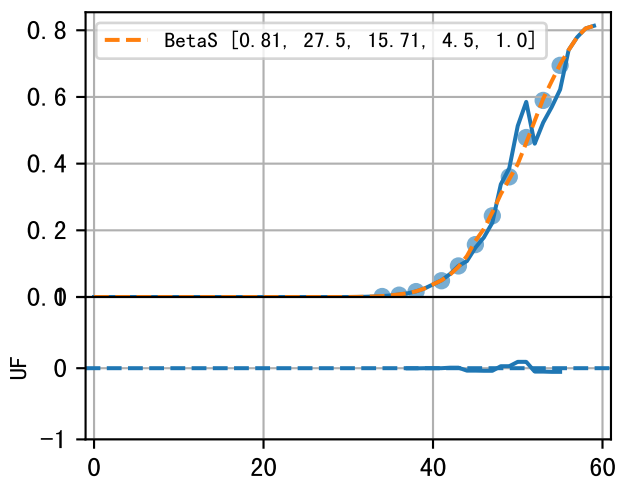
P3-6-038-21T1Fr1



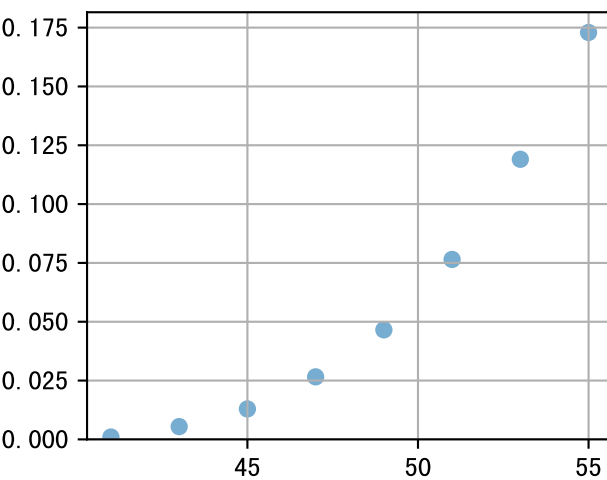
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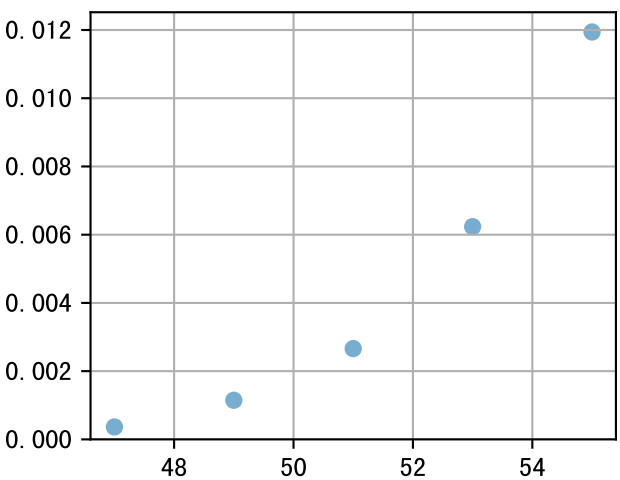
P3-6-038-21T2Fr1



P3-6-038-21T2Fr5 (fit failed)

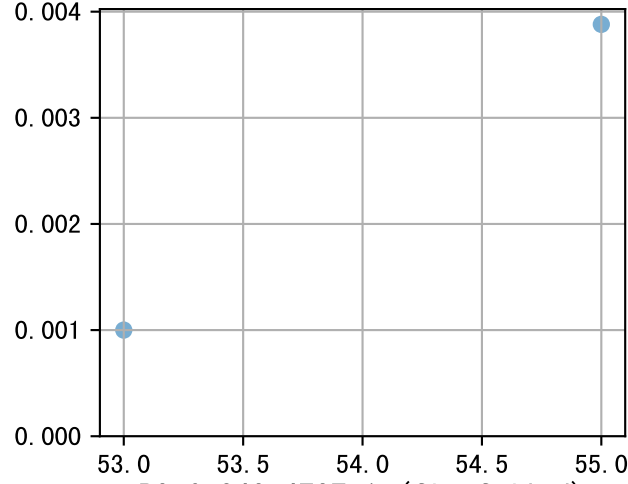


P3-6-038-21T3Fr1 (fit failed)

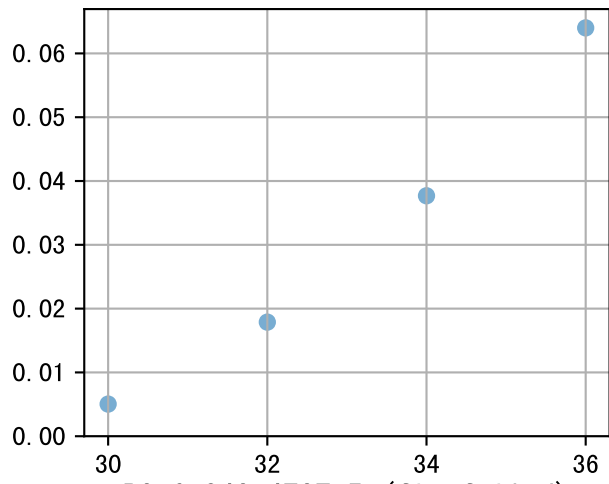


FrV

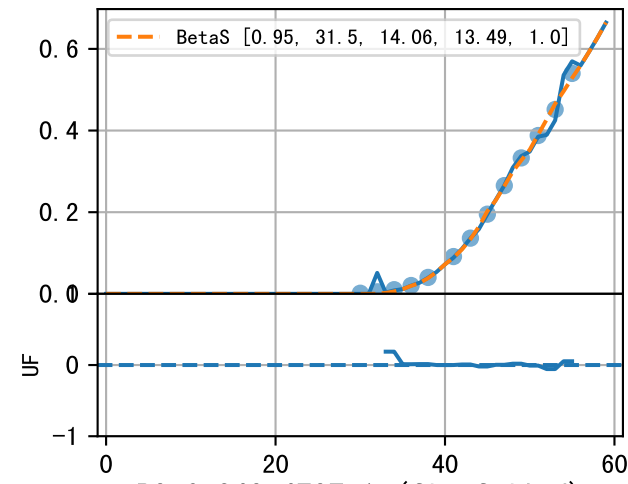
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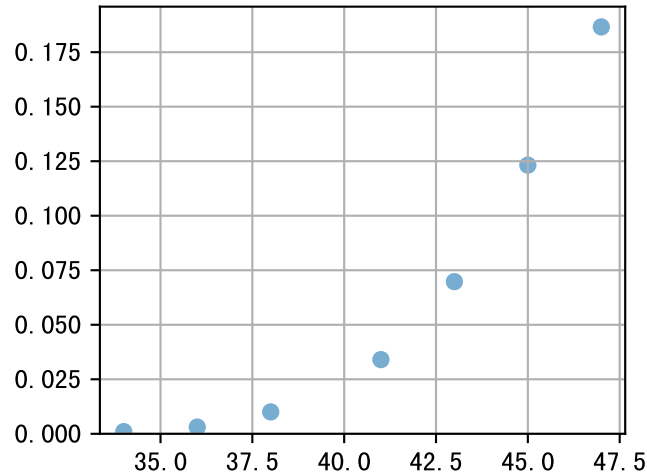
P3-6-042-4T1Fr1 (fit failed)



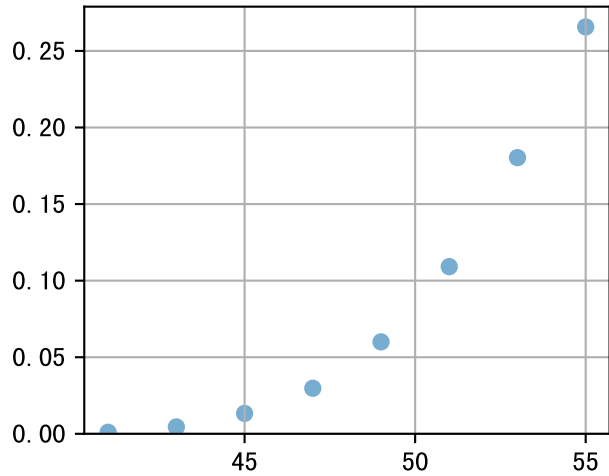
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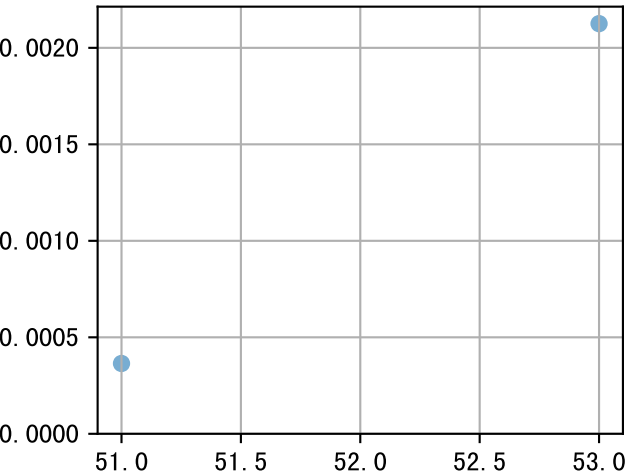
P3-6-042-4T2Fr1 (fit failed)



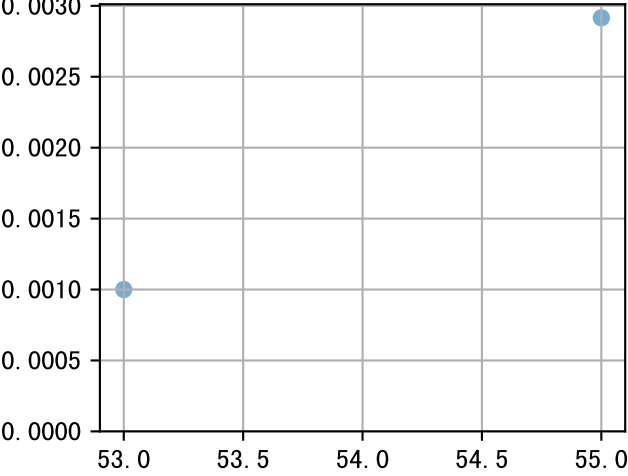
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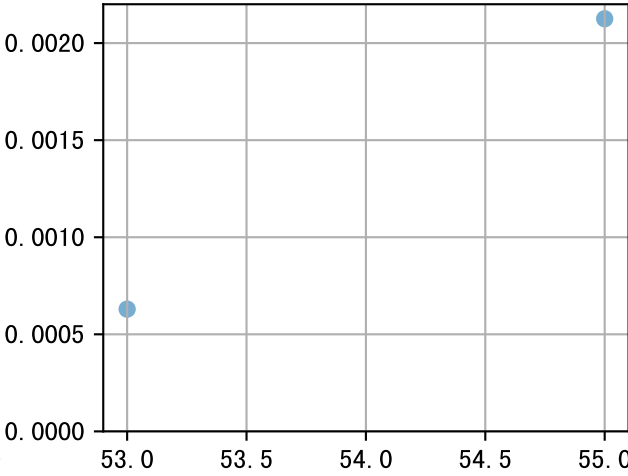
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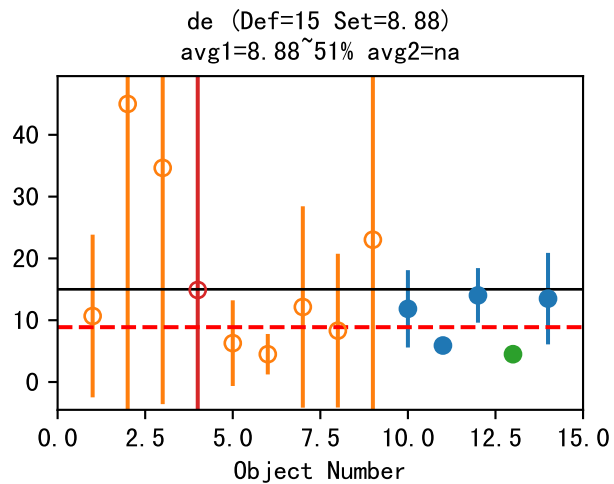
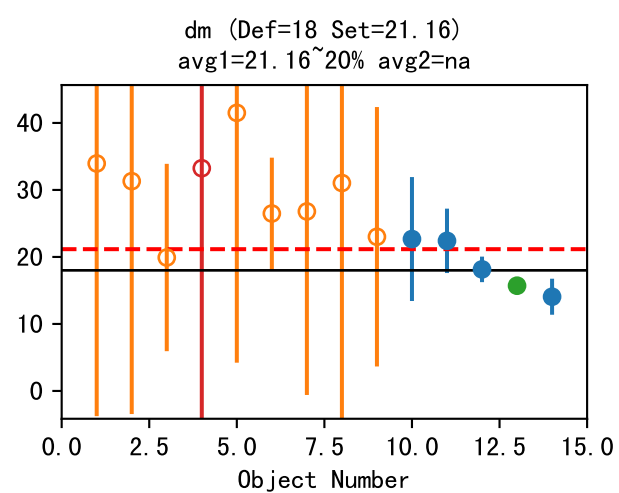
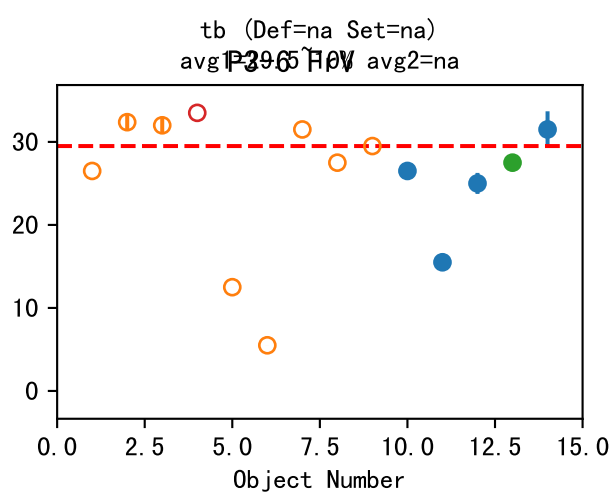
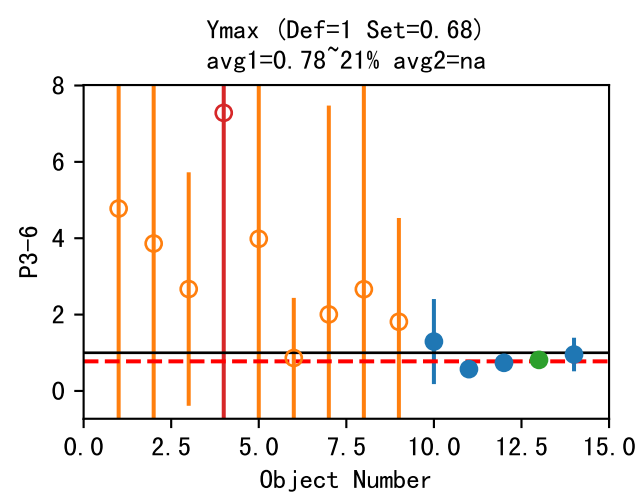


P3-6-042-4T3Fr5 (fit failed)



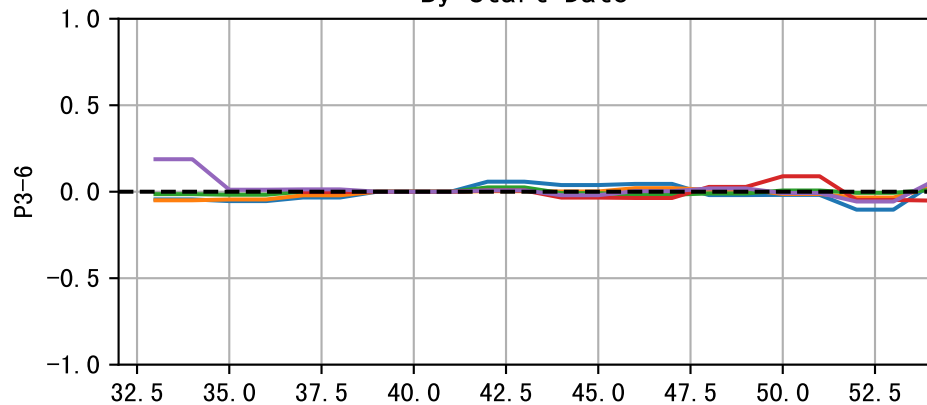
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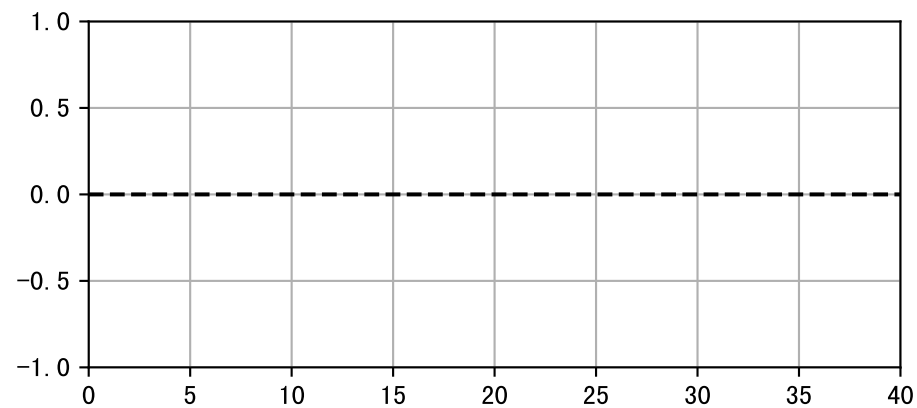
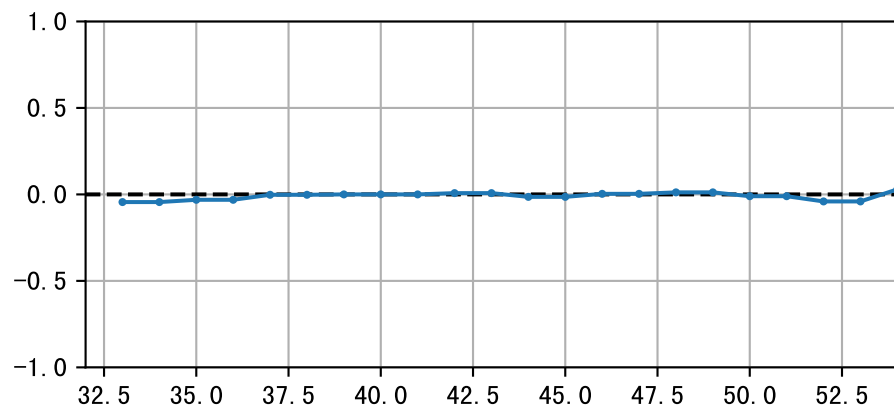
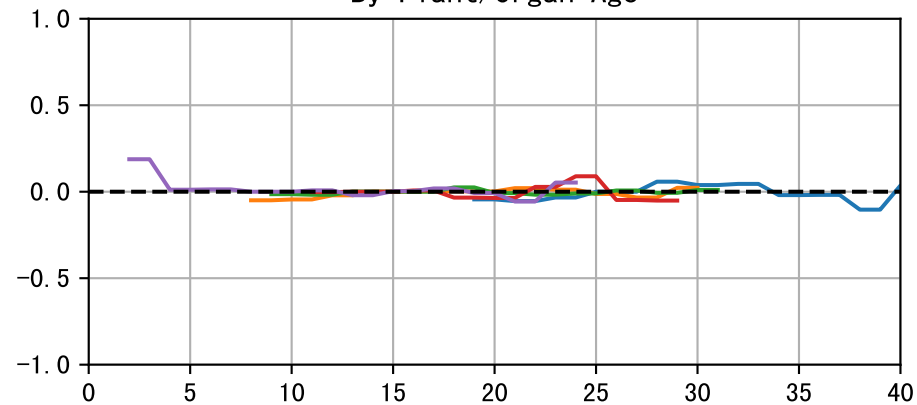


FrV

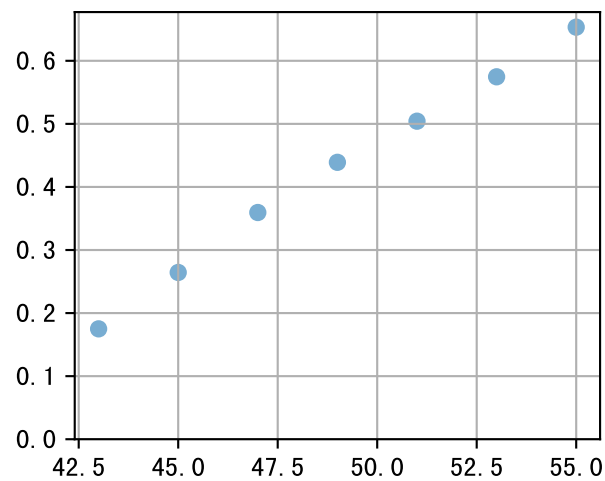
By Start Date



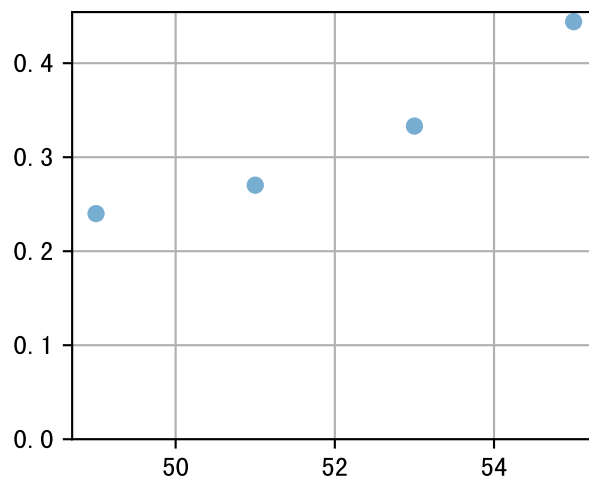
By Plant/Organ Age



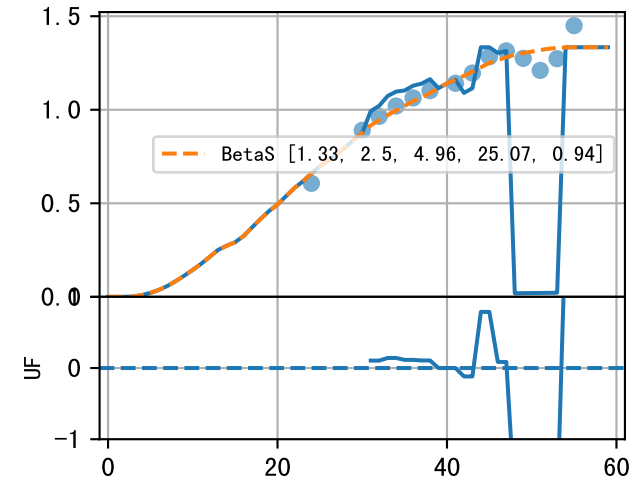
P3-6-003-24L12 (fit failed)



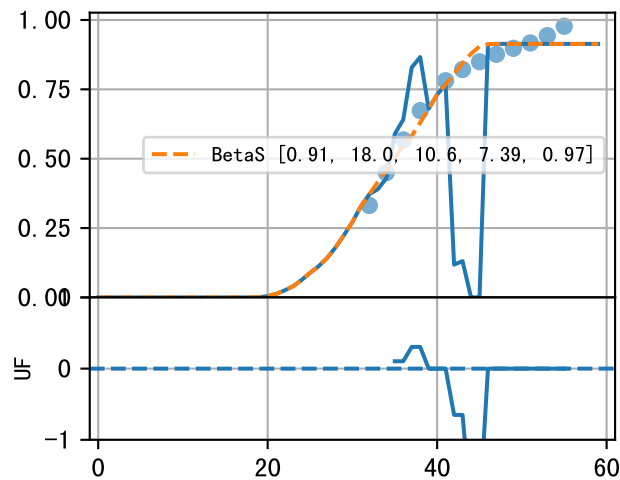
P3-6-003-24L14 (fit failed)



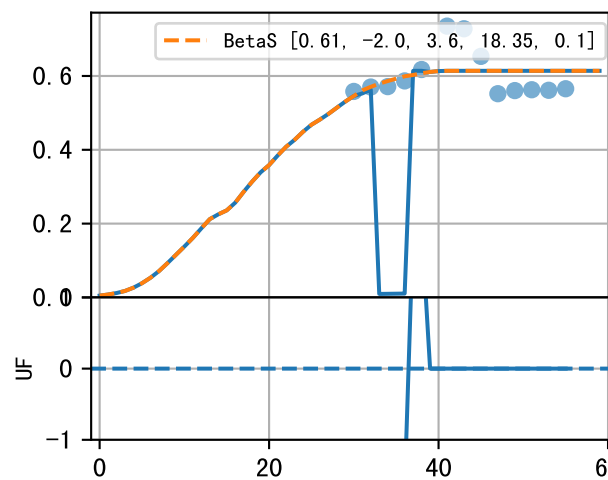
P3-6-003-24L6 (fit failed)



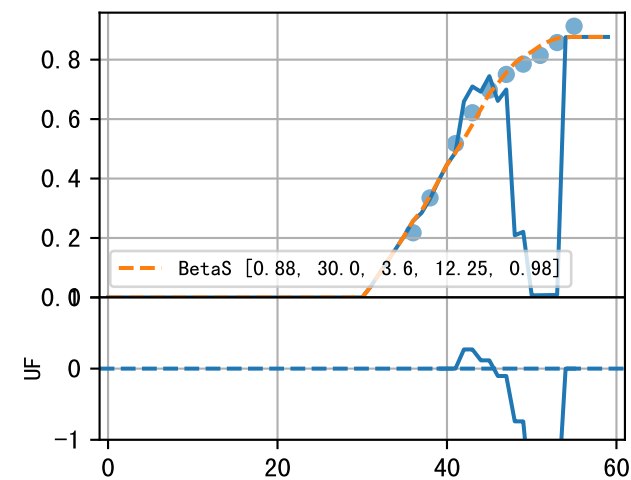
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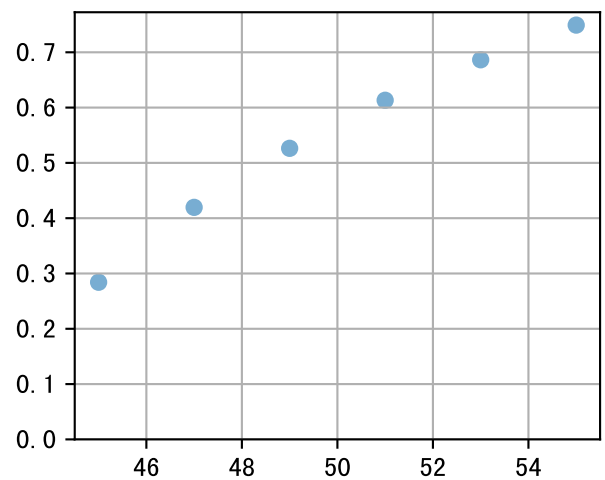
P3-6-007-11L10 (fit failed)



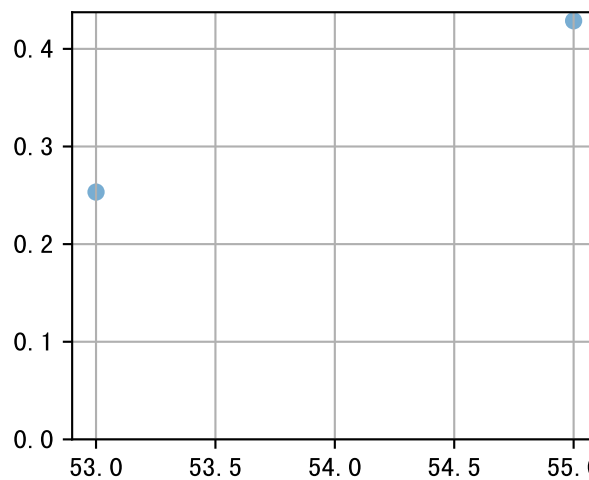
P3-6-007-11L13 (fit failed)



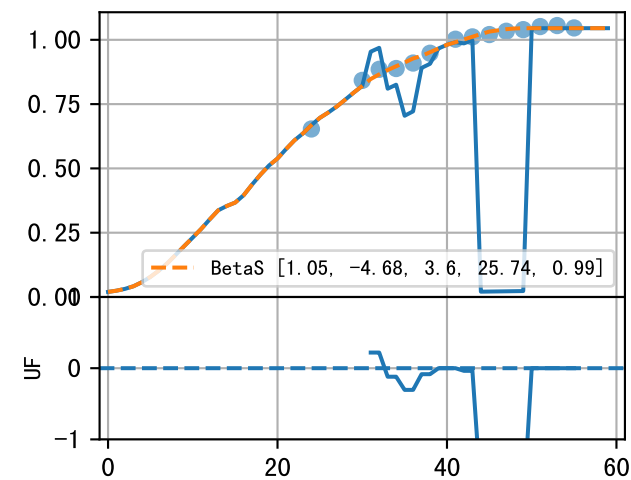
P3-6-007-11L16 (fit failed)



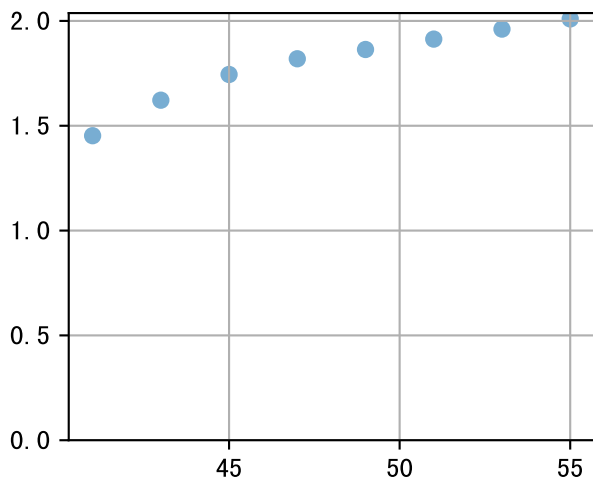
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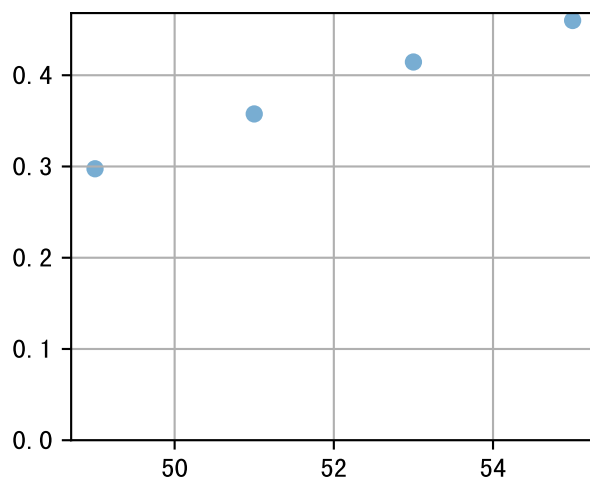
P3-6-007-11L7 (fit failed)



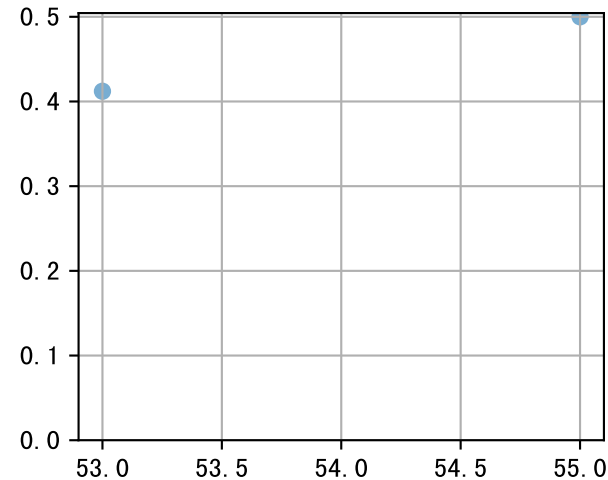
P3-6-011-7L12 (fit failed)



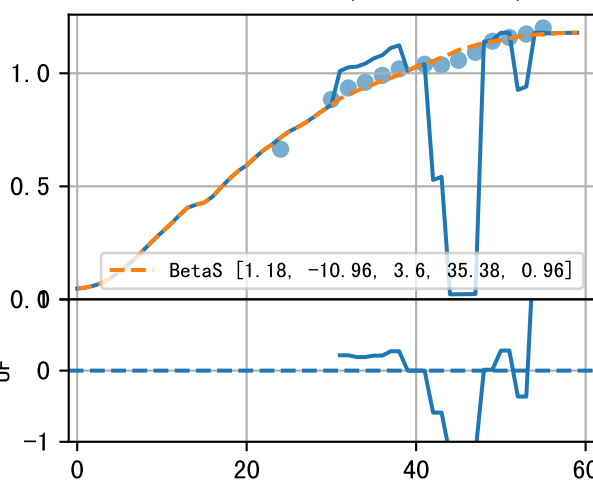
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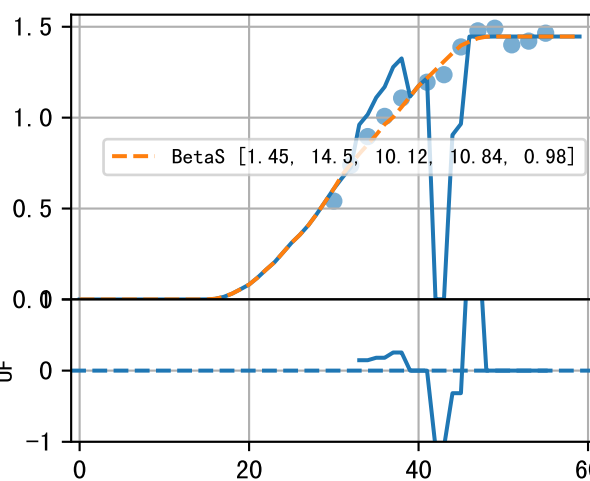
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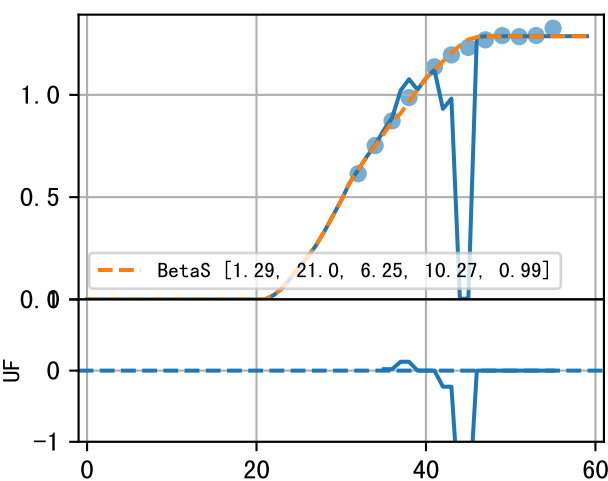
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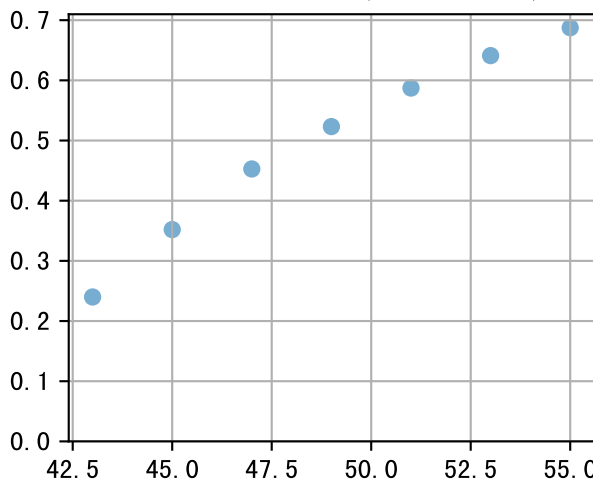
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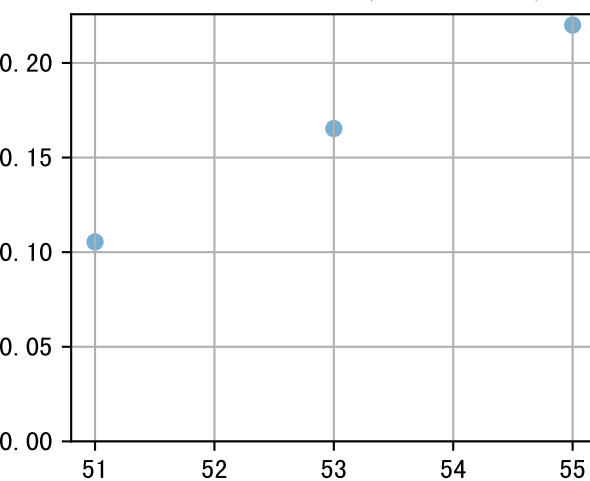
P3-6-015-30L10



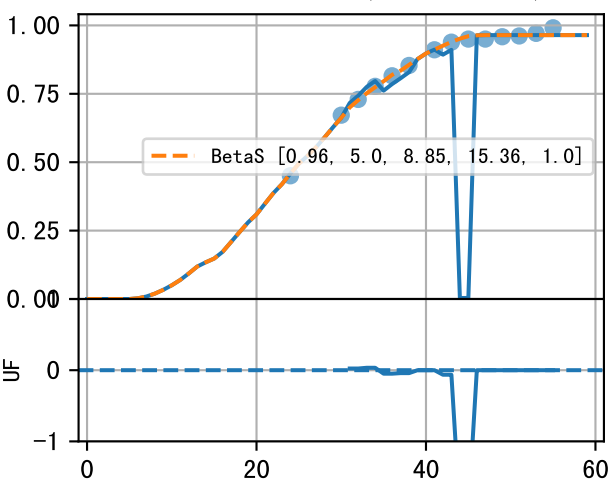
P3-6-015-30L13 (fit failed)



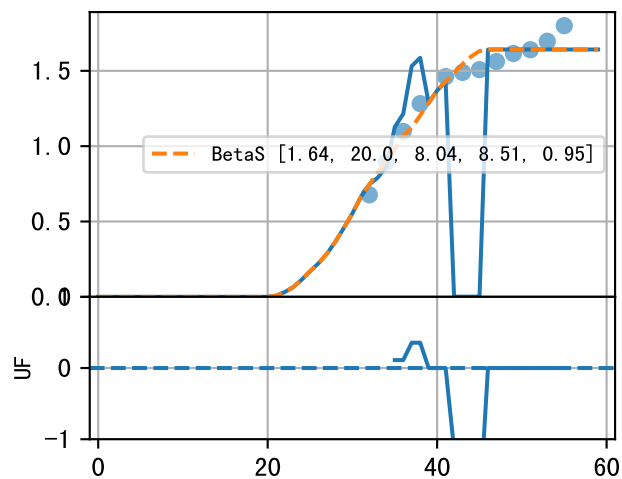
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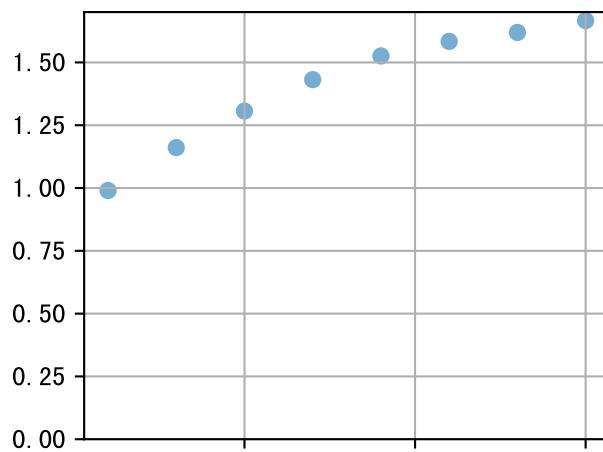
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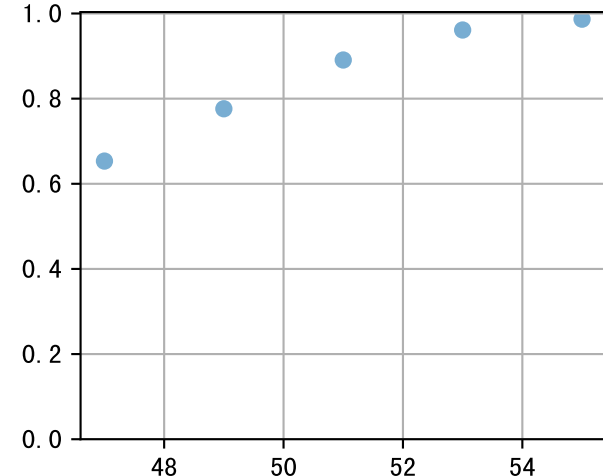
P3-6-019-12L10 (fit failed)



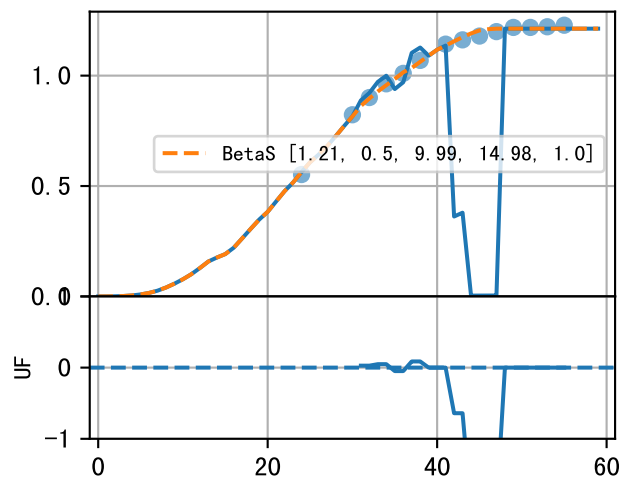
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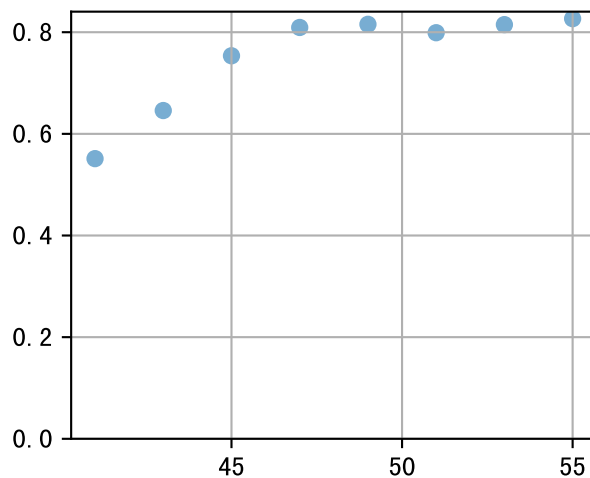
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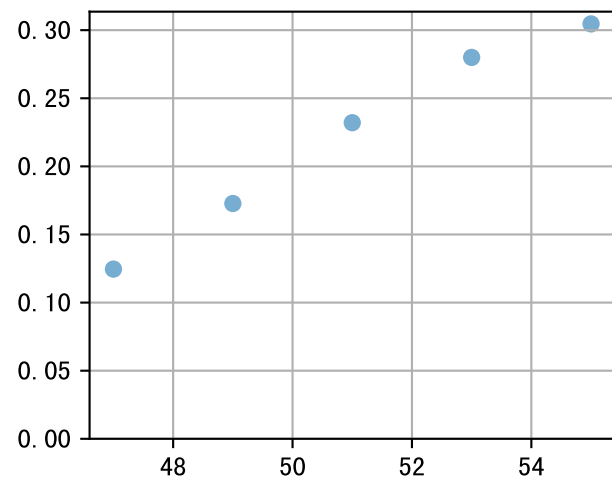
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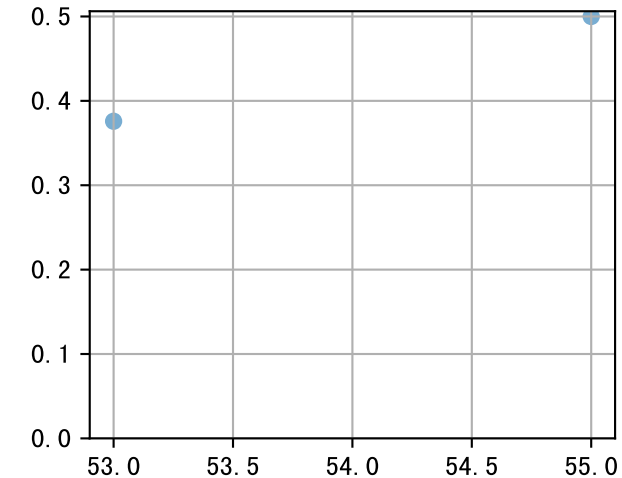
P3-6-024-25L12 (fit failed)



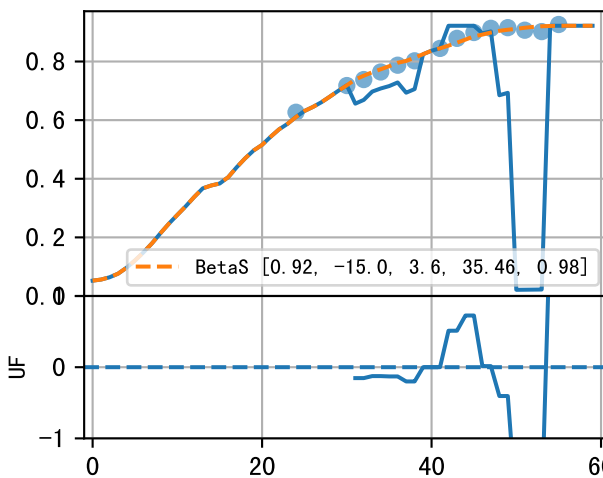
P3-6-024-25L15 (fit failed)



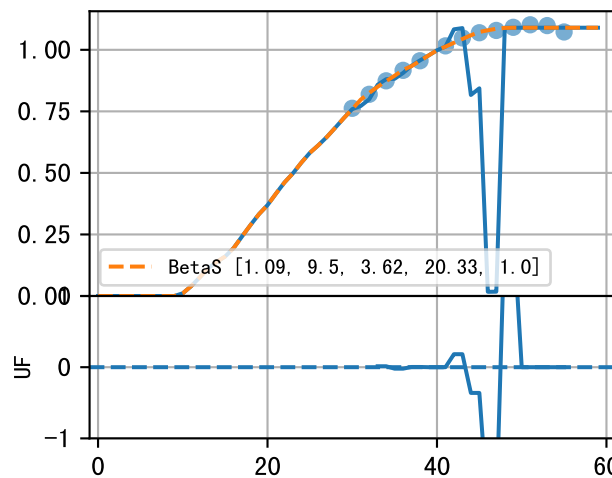
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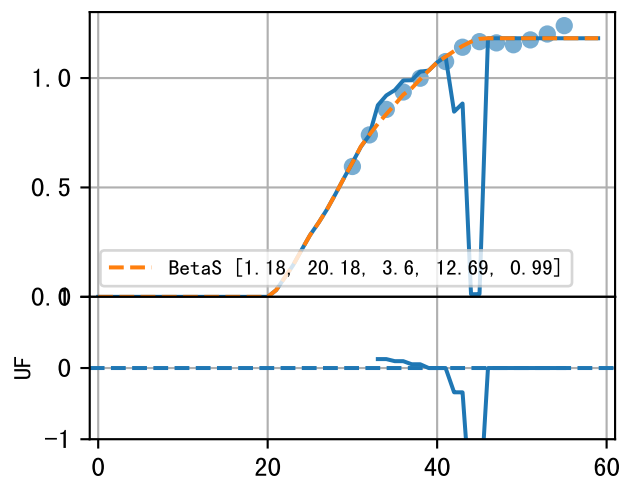
P3-6-024-25L6 (fit failed)



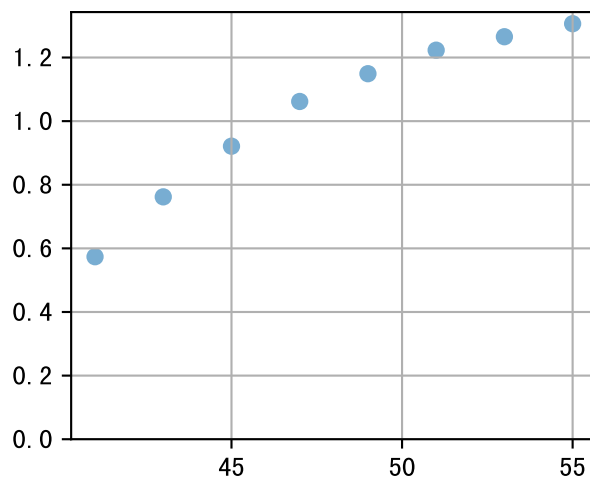
P3-6-024-25L9



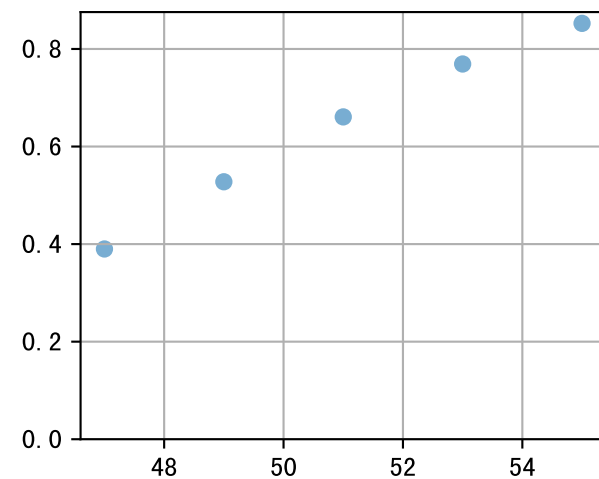
P3-6-028-32L10 (fit failed)



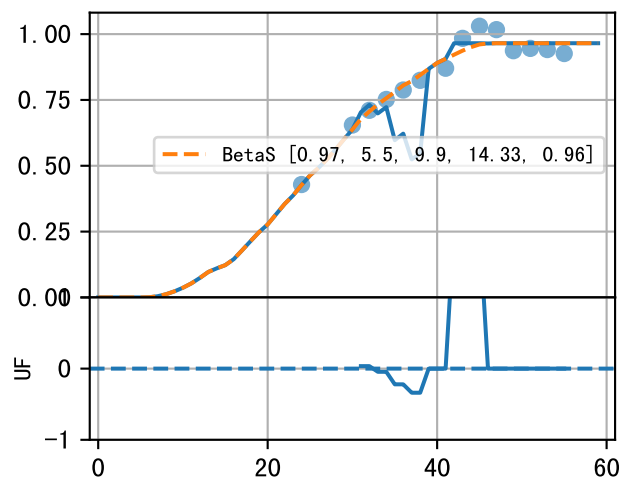
P3-6-028-32L13 (fit failed)



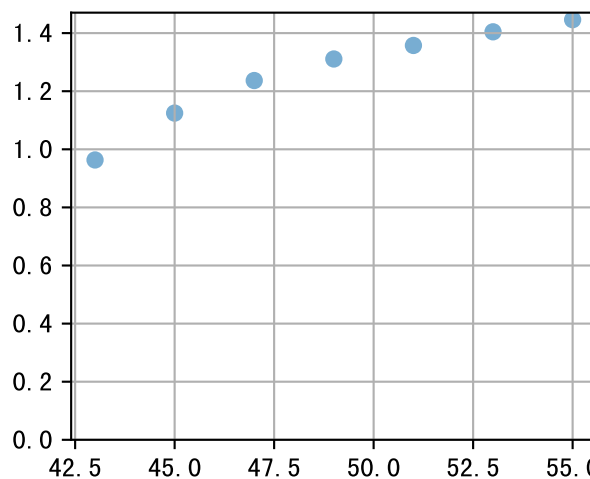
P3-6-028-32L16 (fit failed)



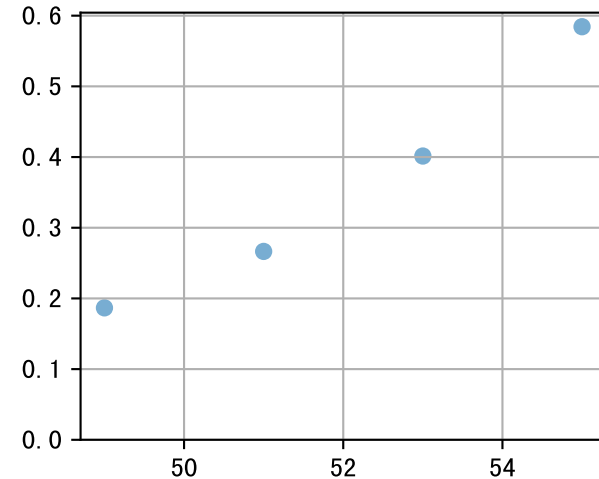
P3-6-028-32L7 (fit failed)



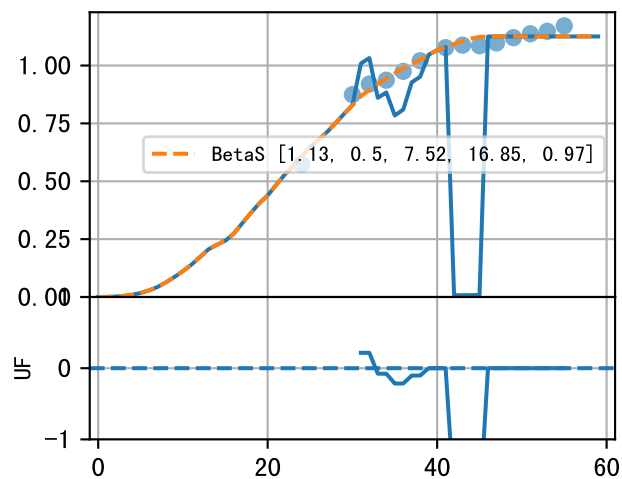
P3-6-033-9L12 (fit failed)



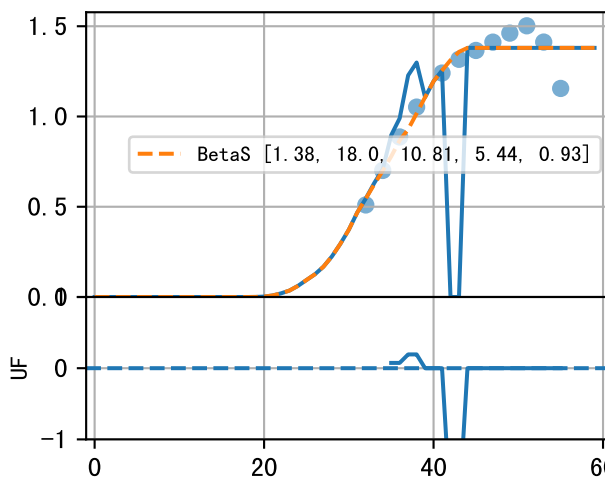
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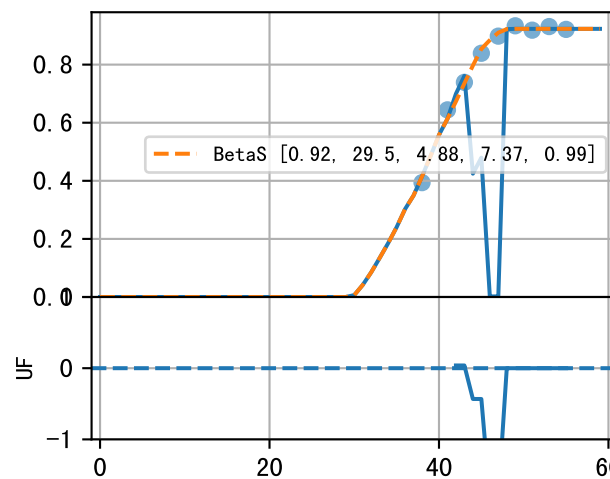
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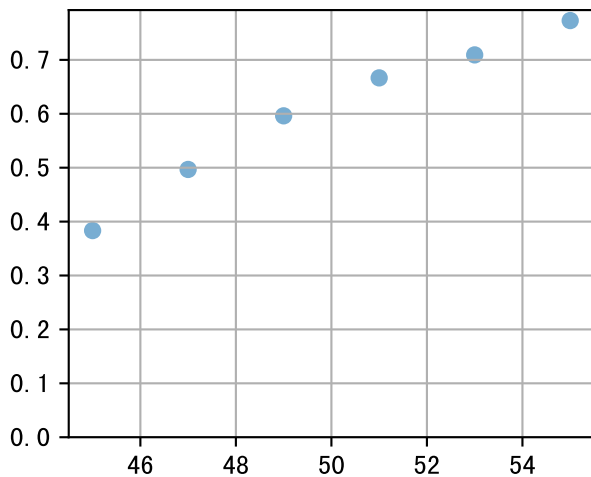
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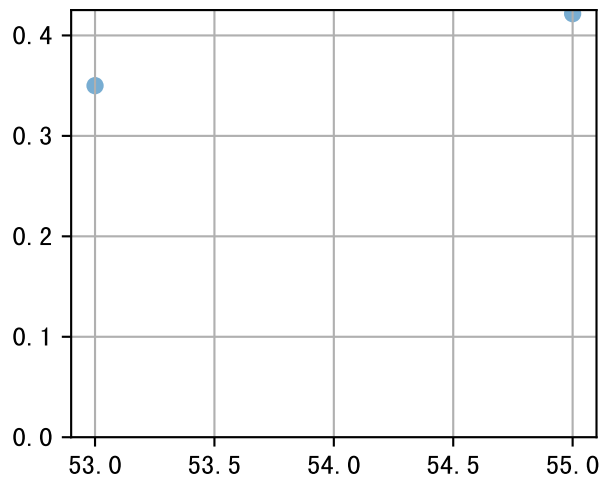
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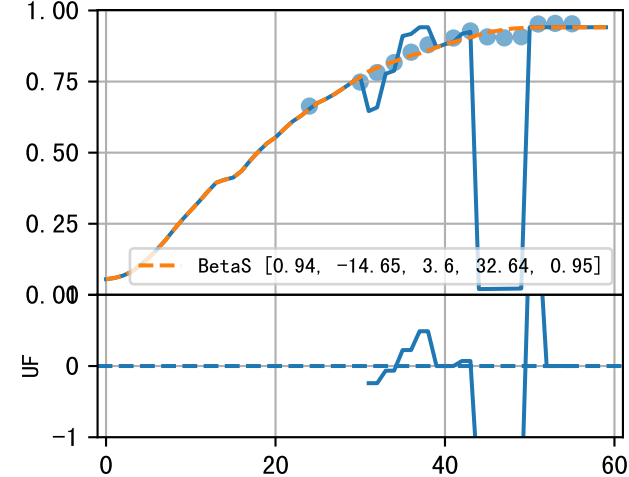
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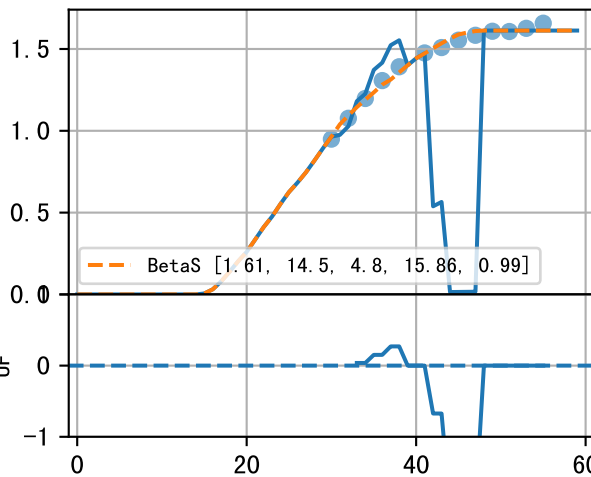
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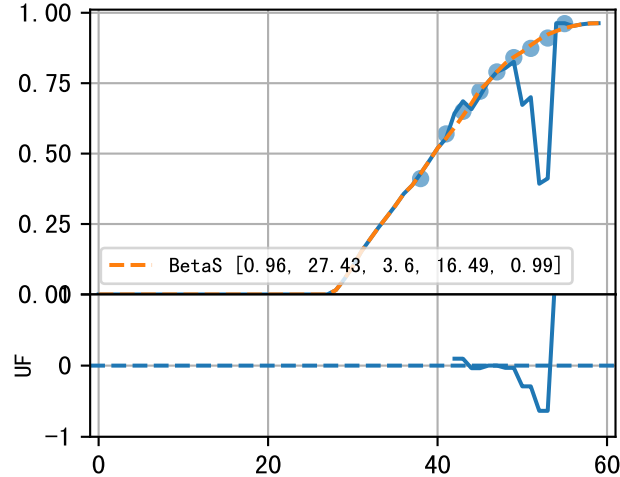
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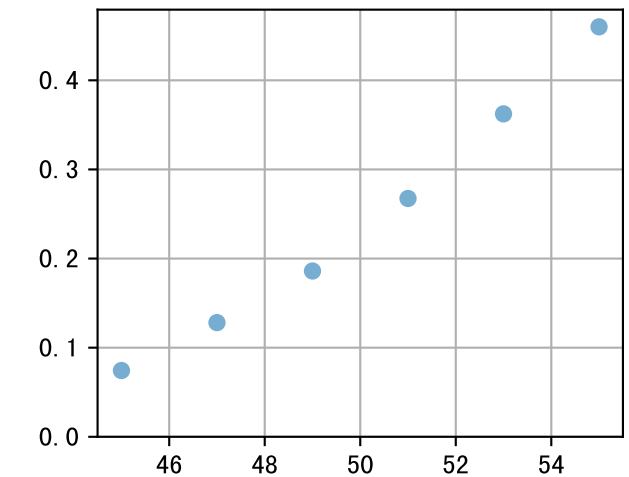
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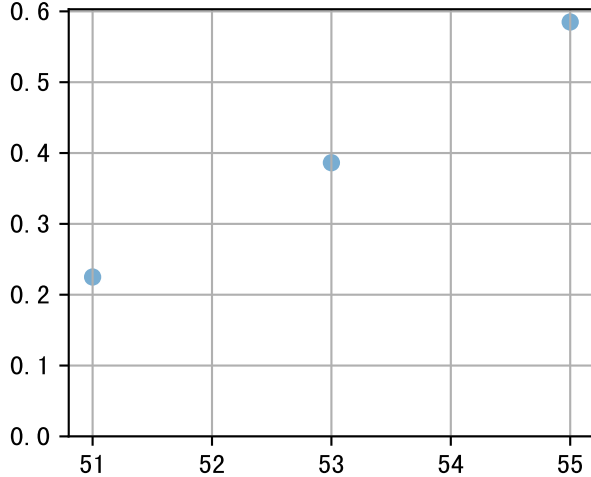
P3-6-042-4L12 (fit failed)



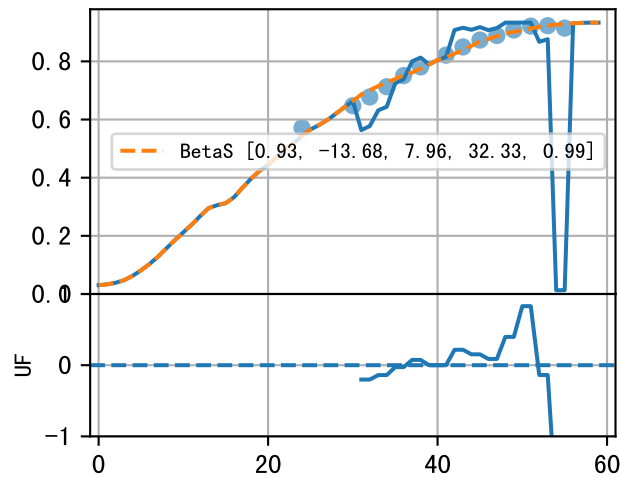
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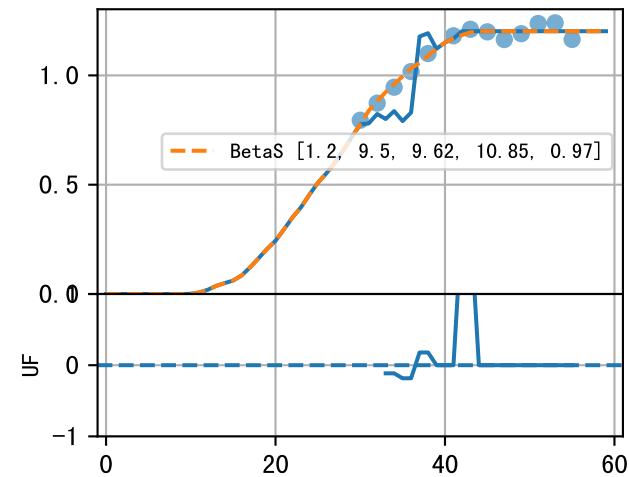
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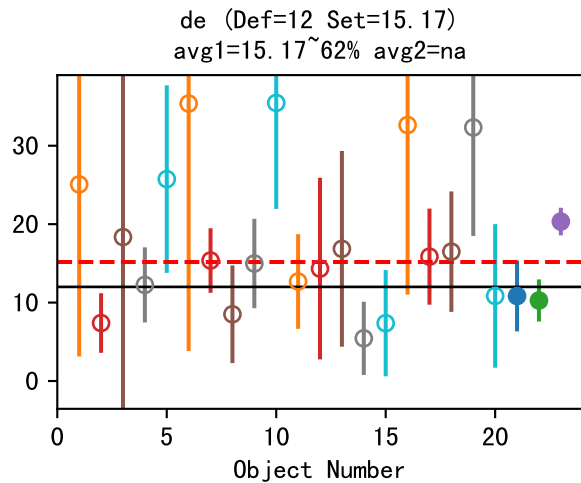
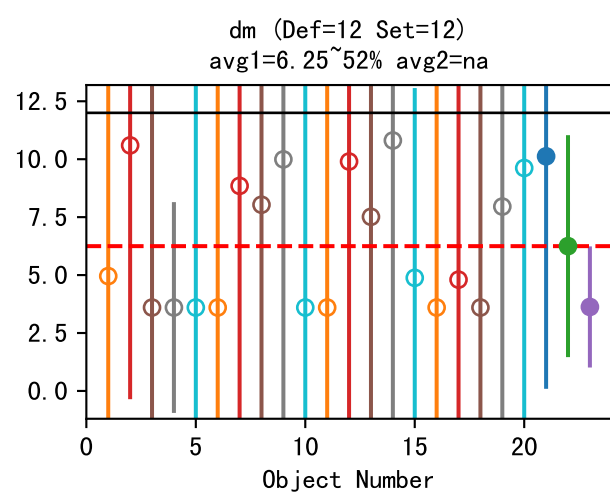
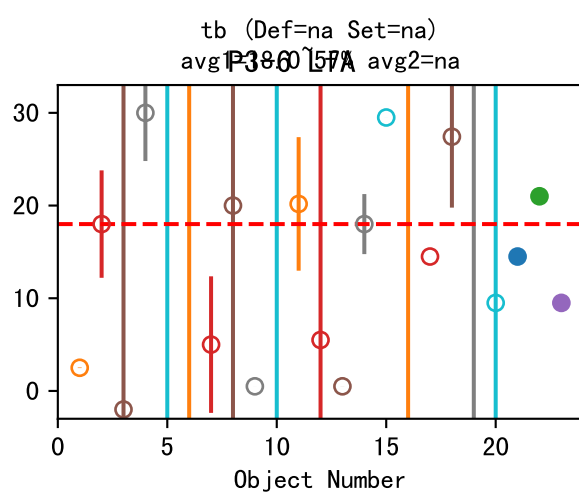
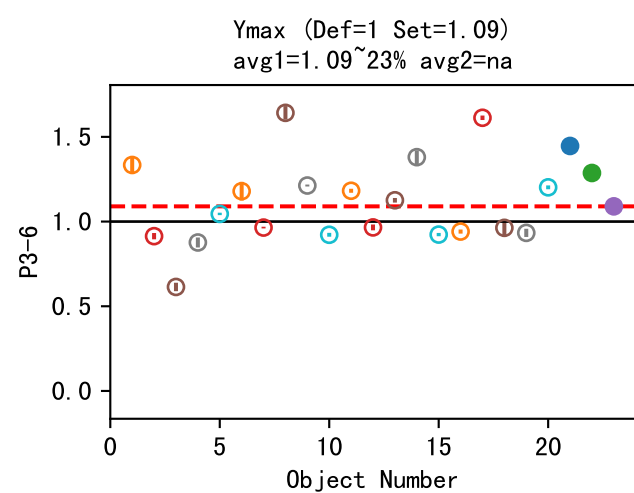


P3-6-042-4L6 (fit failed)

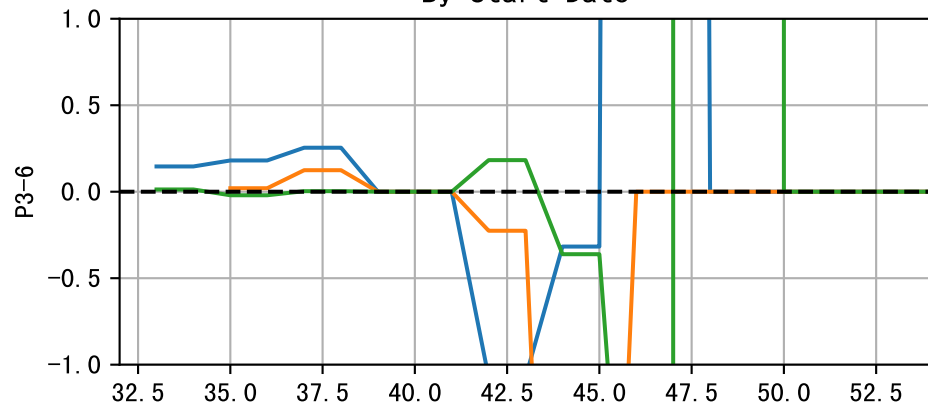


P3-6-042-4L9 (fit failed)

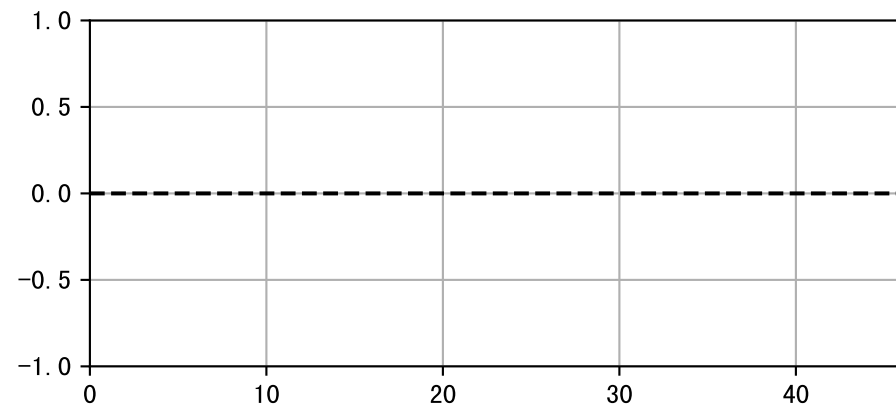
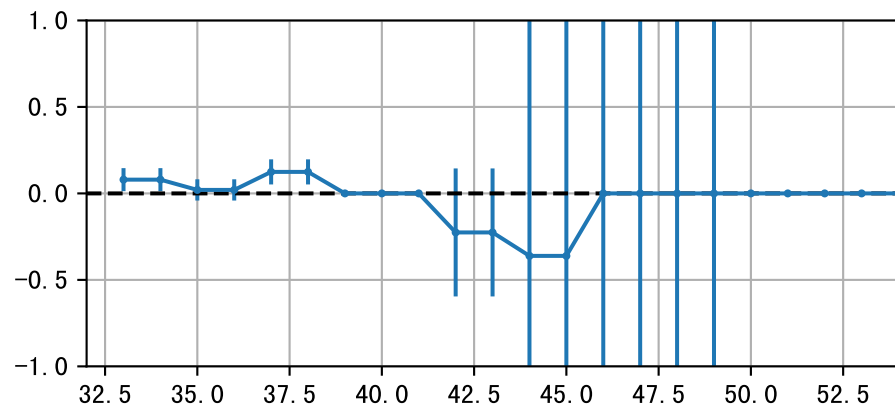
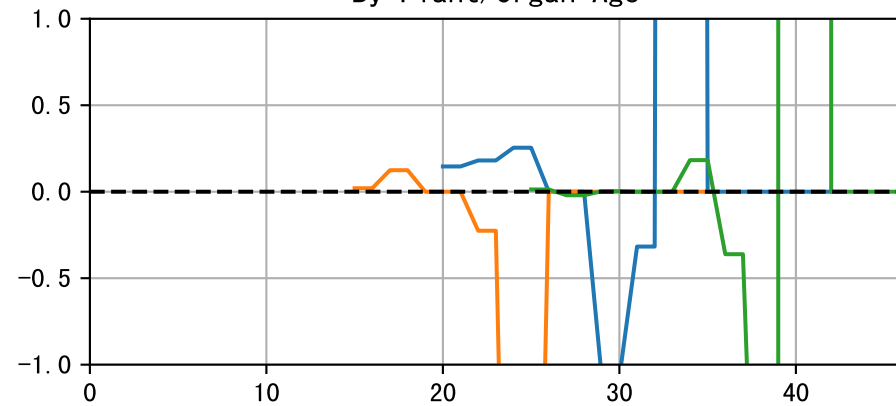


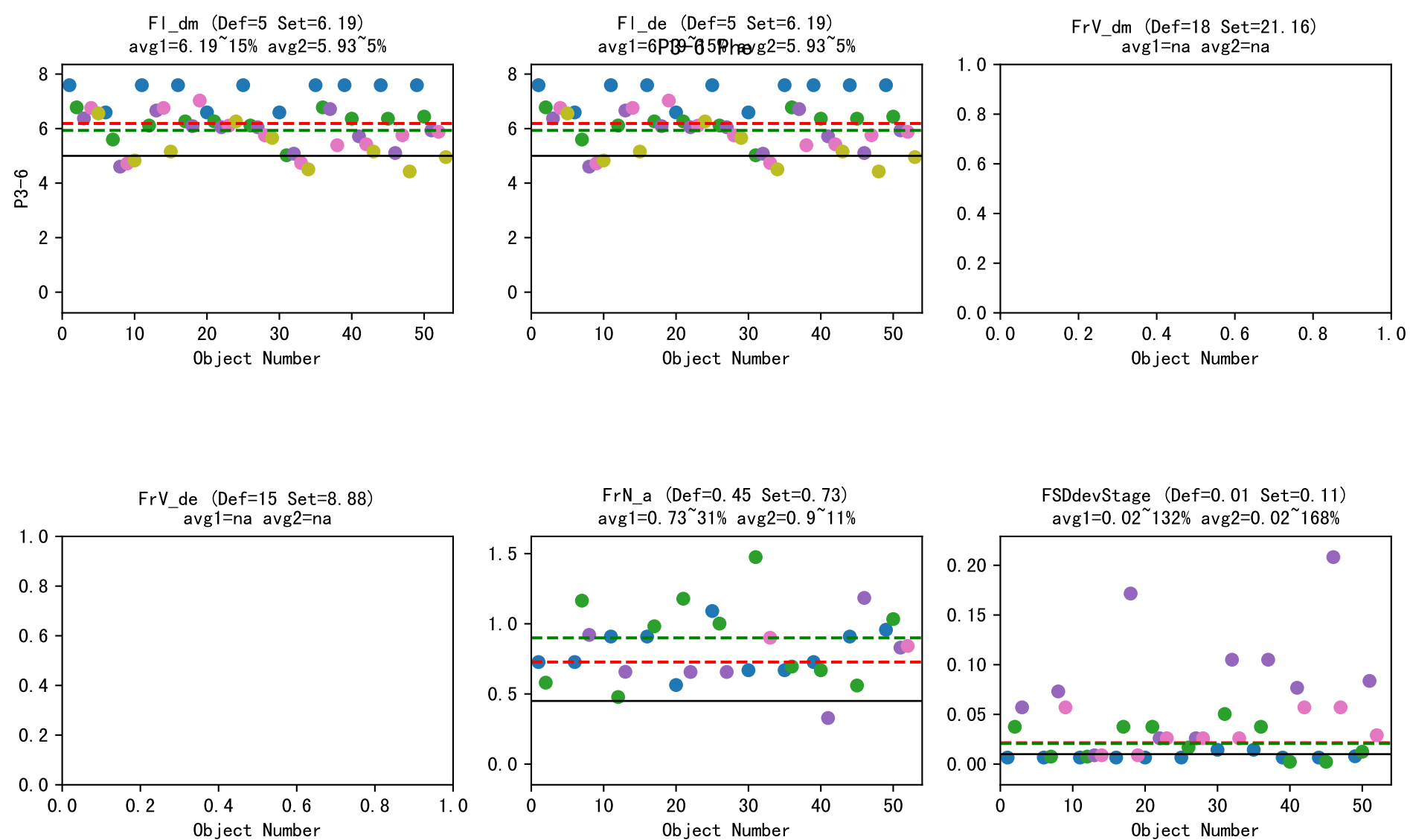


By Start Date

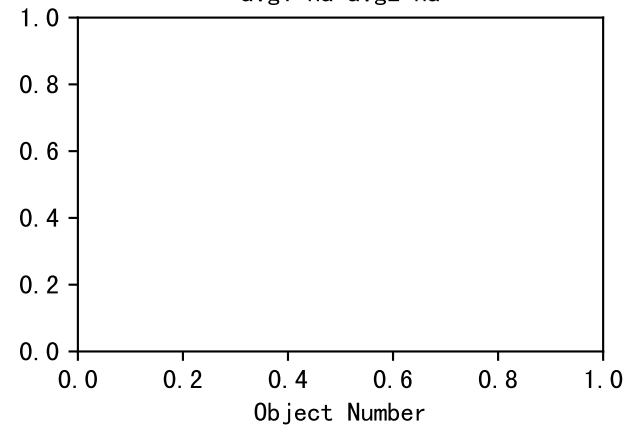


By Plant/Organ Age

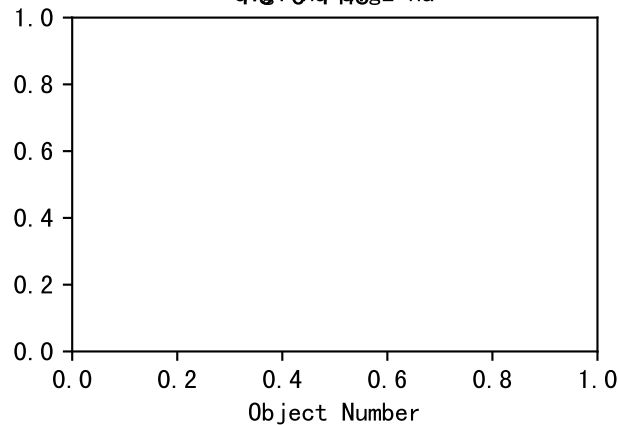




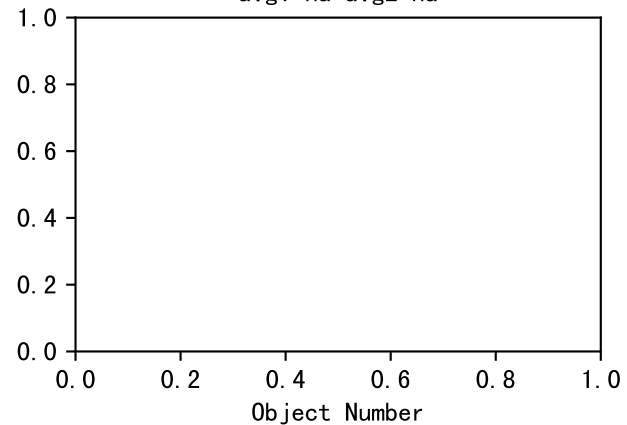
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



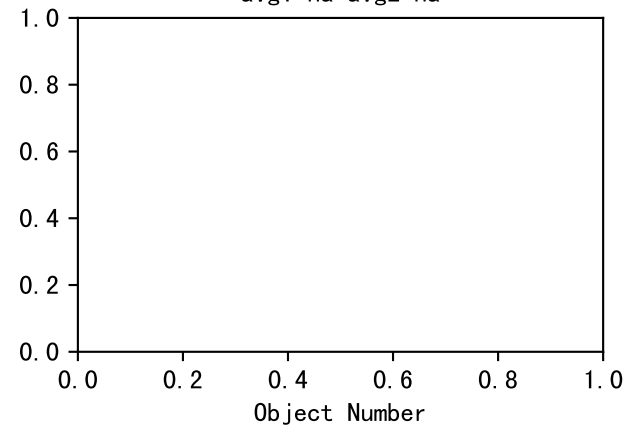
FMBdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



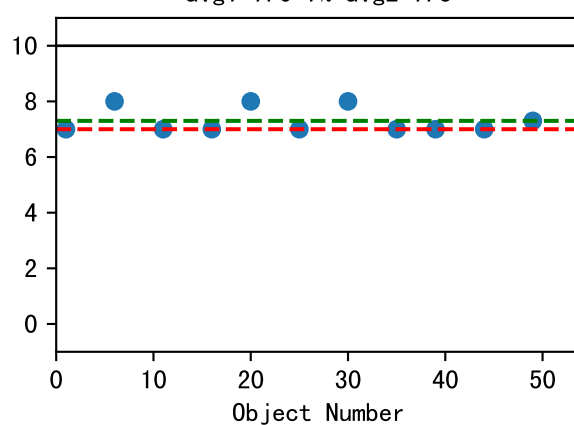
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

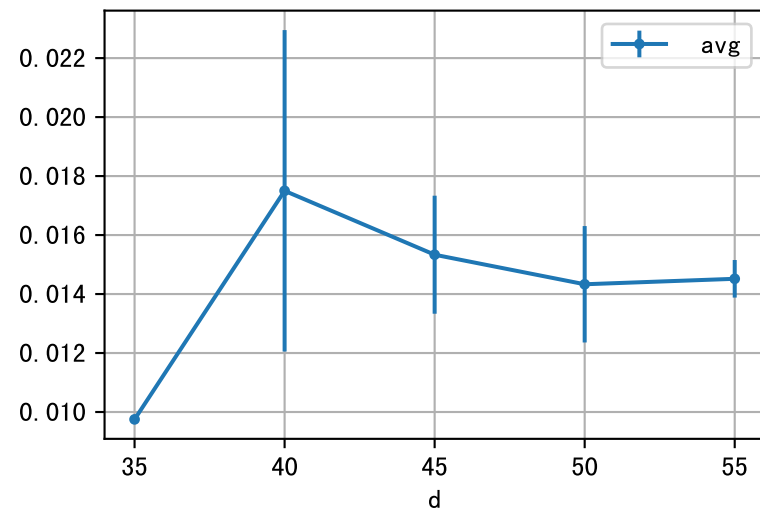


NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

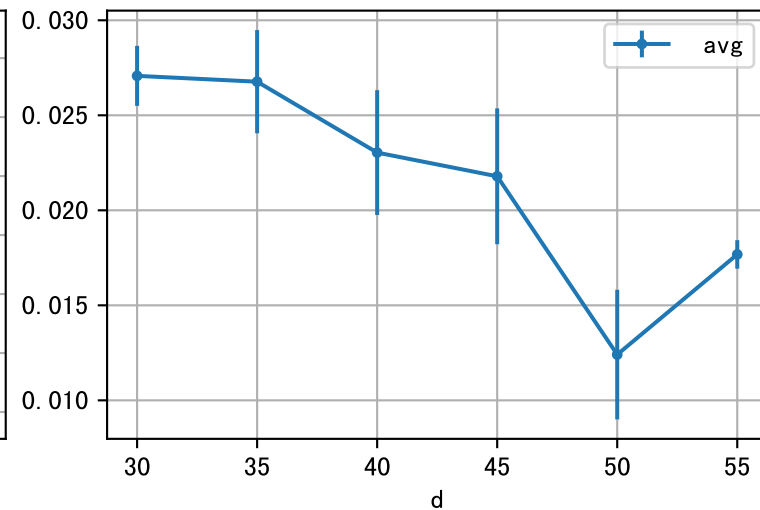


LfA: avg vs. d at each age group

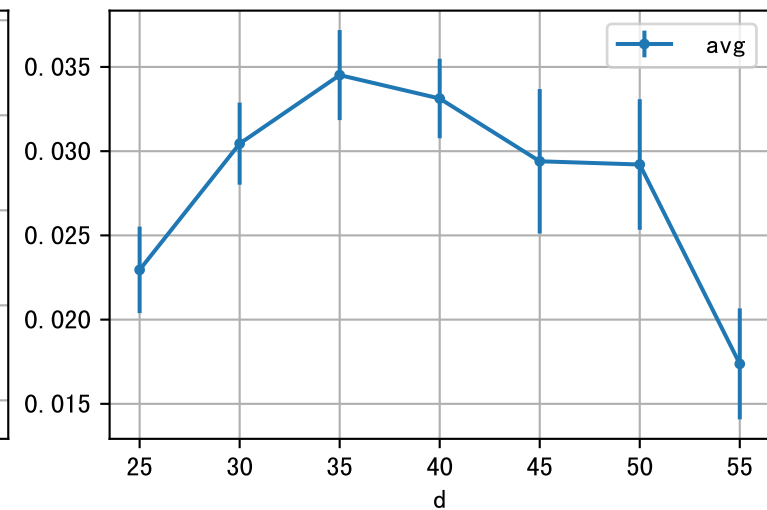
age=15



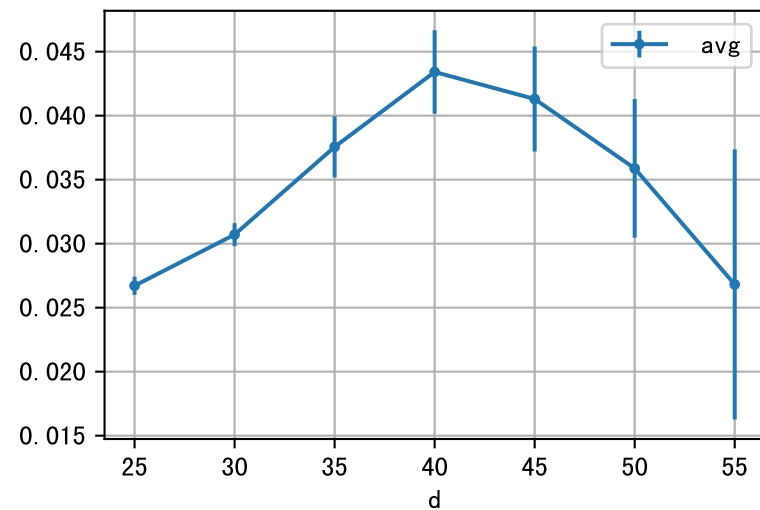
age=20



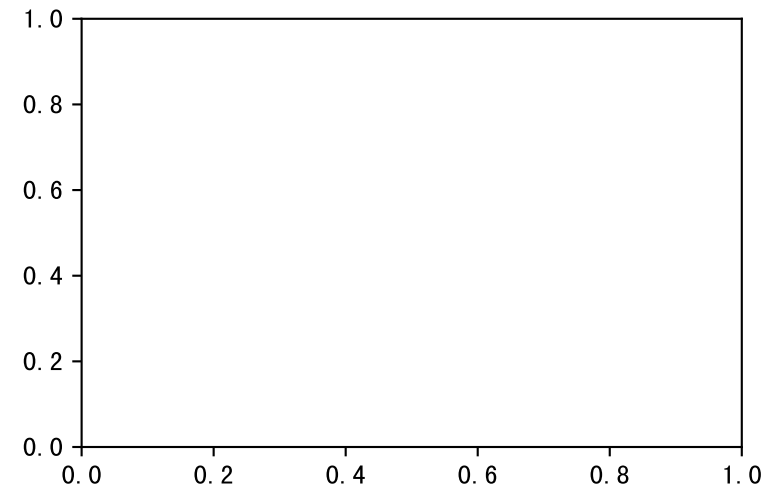
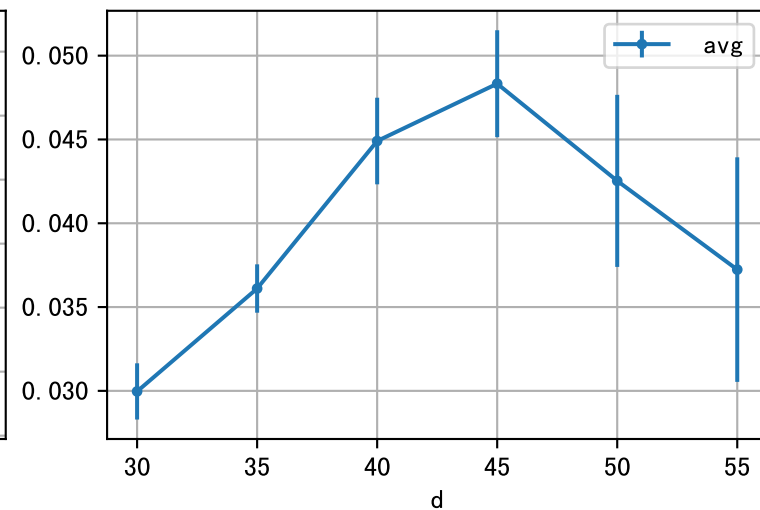
age=25



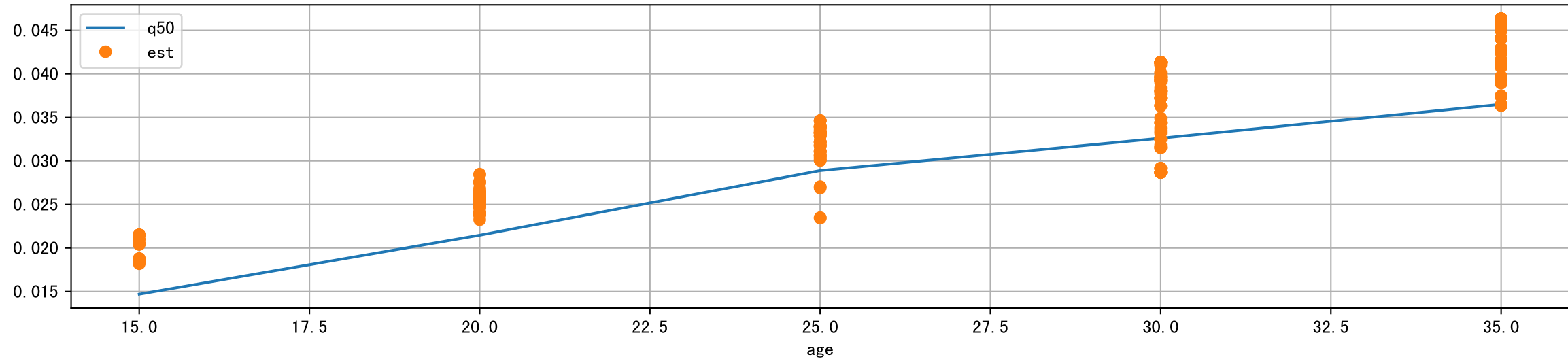
age=30



age=35

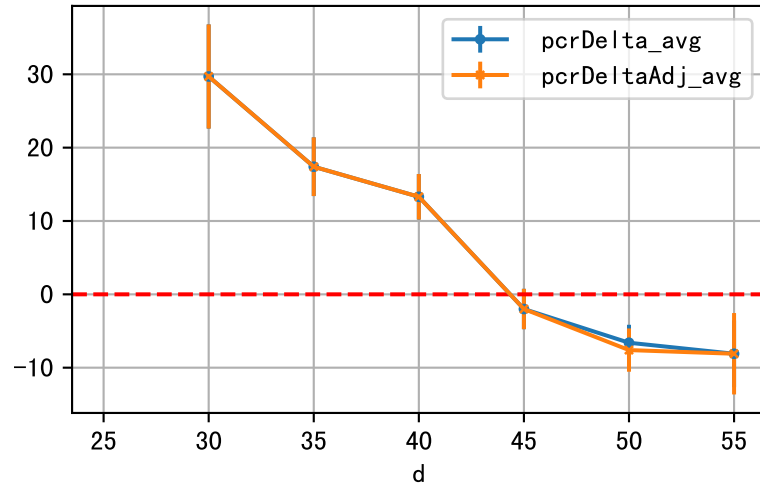


LfA: model est vs obs0v@Q50

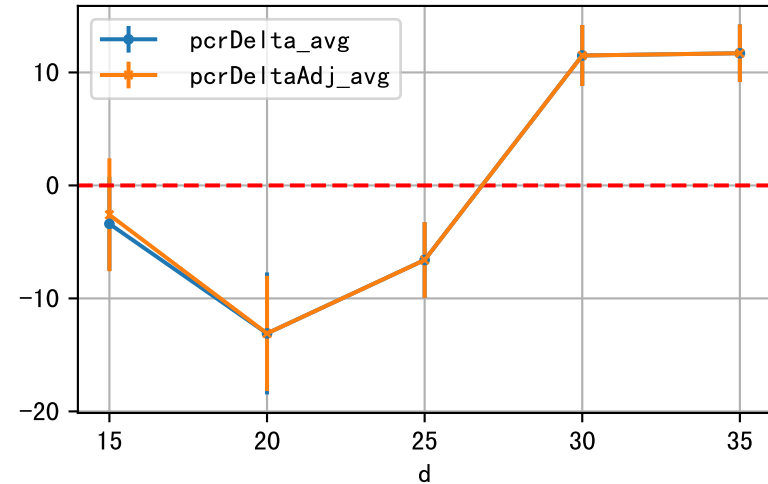


P3-6 LfA: D_5d_LfA

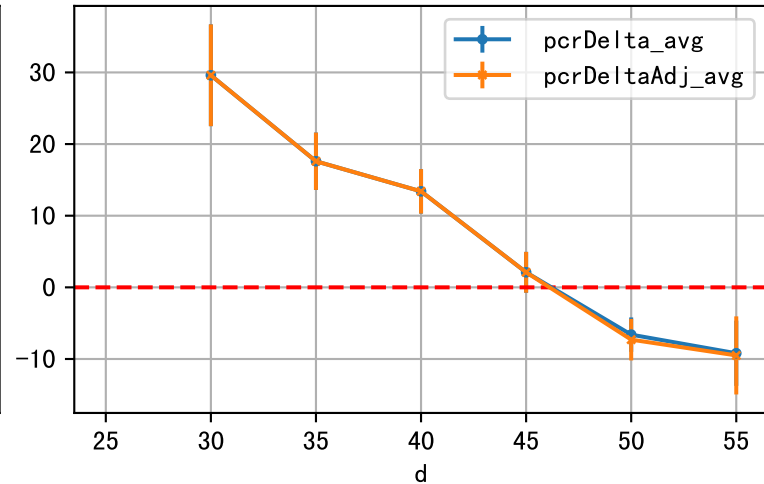
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

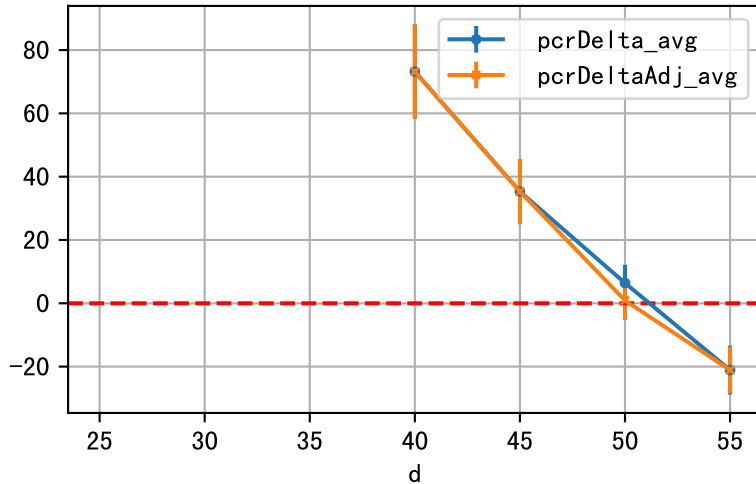
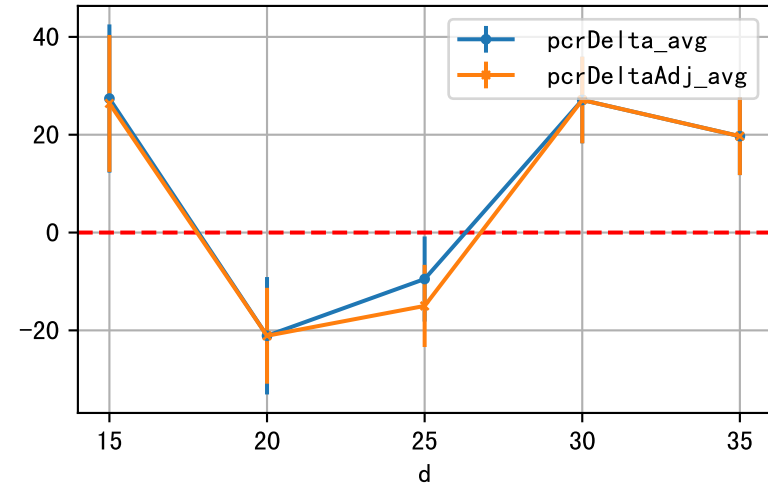


DeltaTypeAbbr=Wei AvgByD

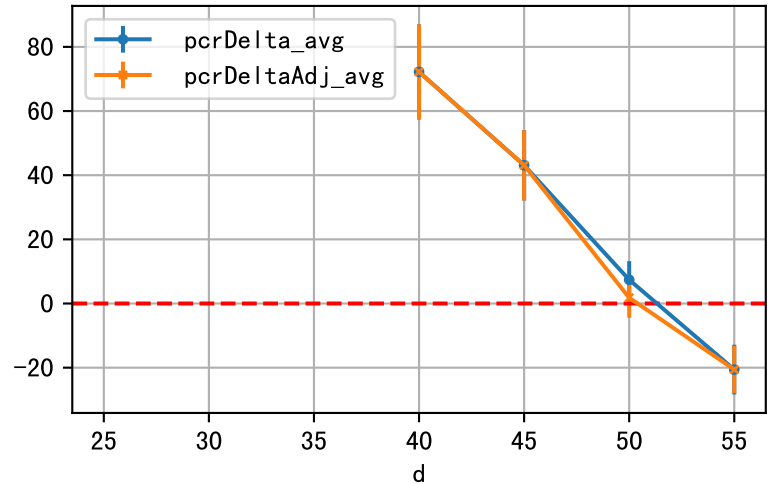


P3-6 LfA: D_15d_LfA

DeltaTypeAbbr=GrpByDay

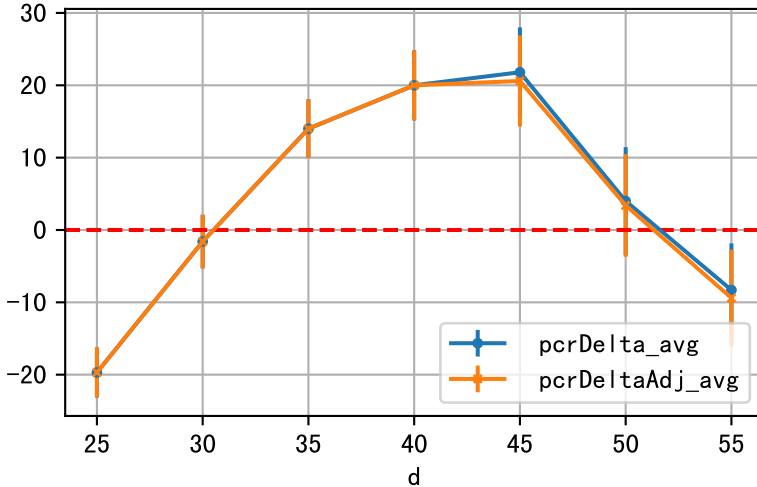
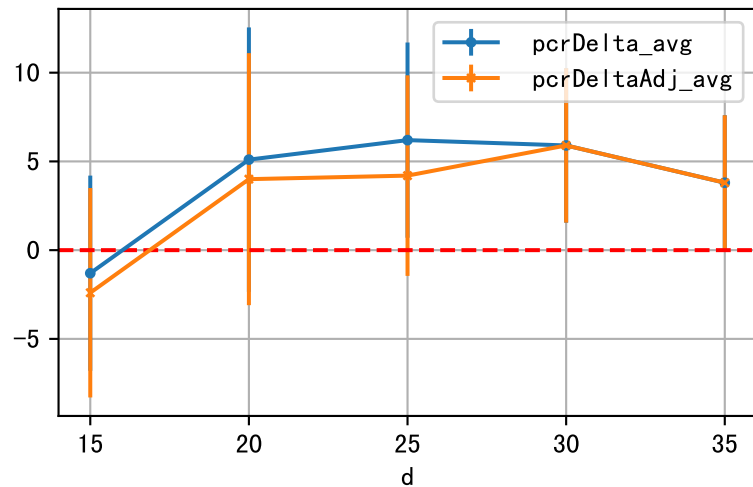


DeltaTypeAbbr=Wei AvgByD

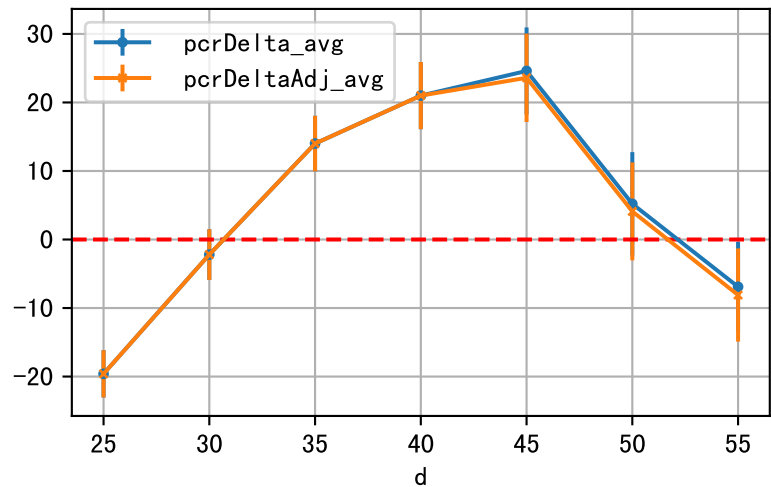


P3-6 LfA: D_Q50_LfA

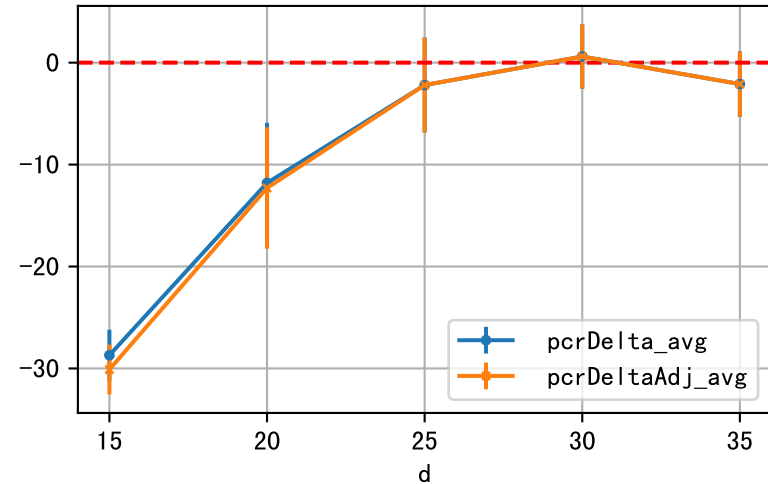
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

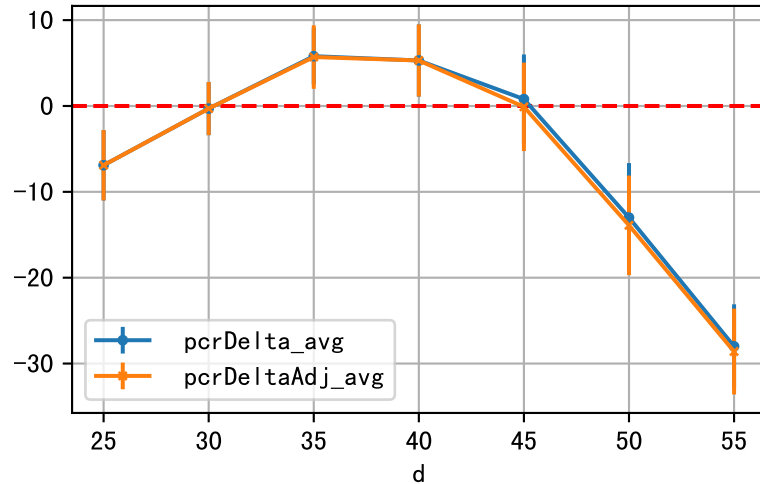


DeltaTypeAbbr=GrpByAge

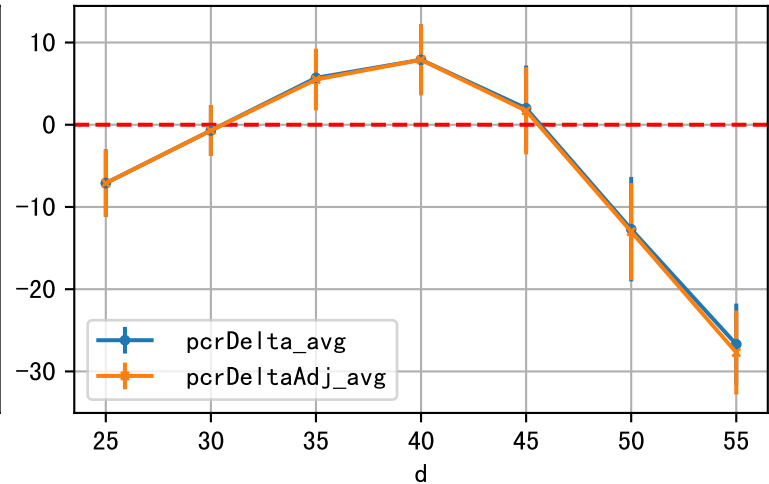


P3-6 LfA: D_Est_LfA

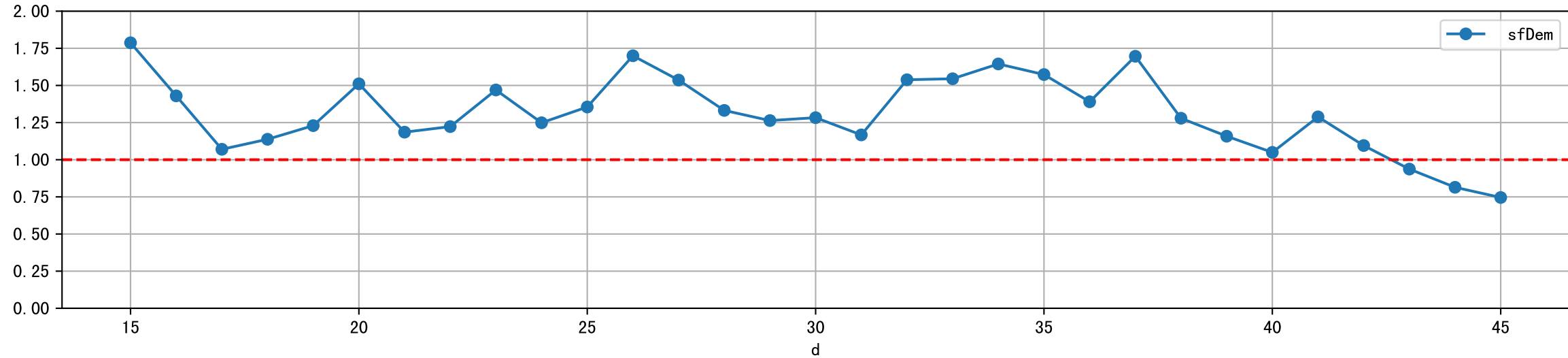
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD



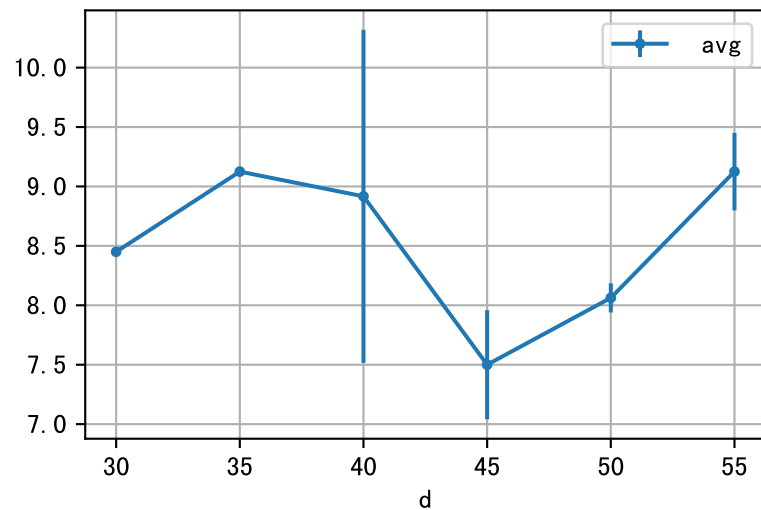
LfA: sfDem



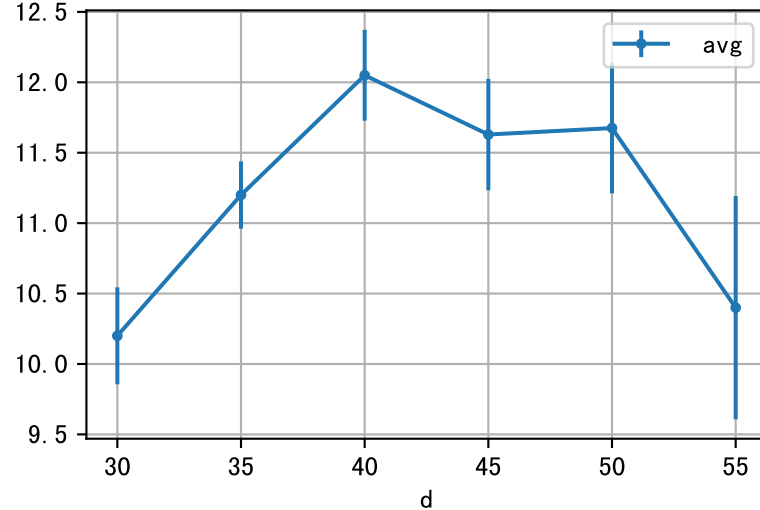


NdD: avg vs. d at each age group

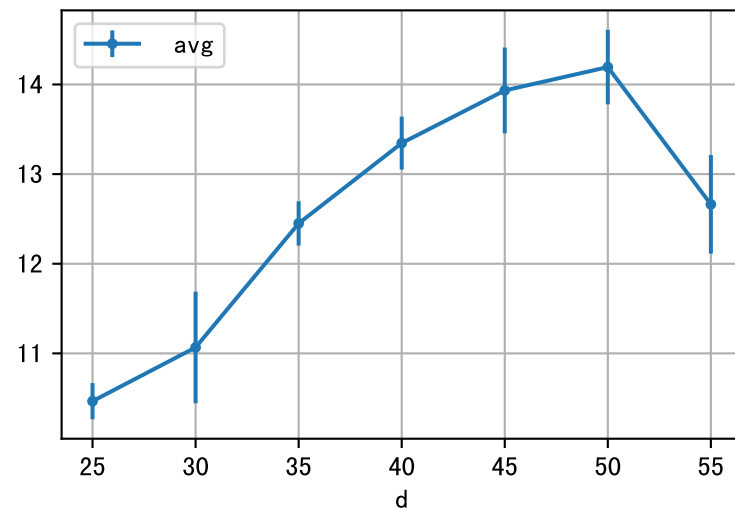
age=15



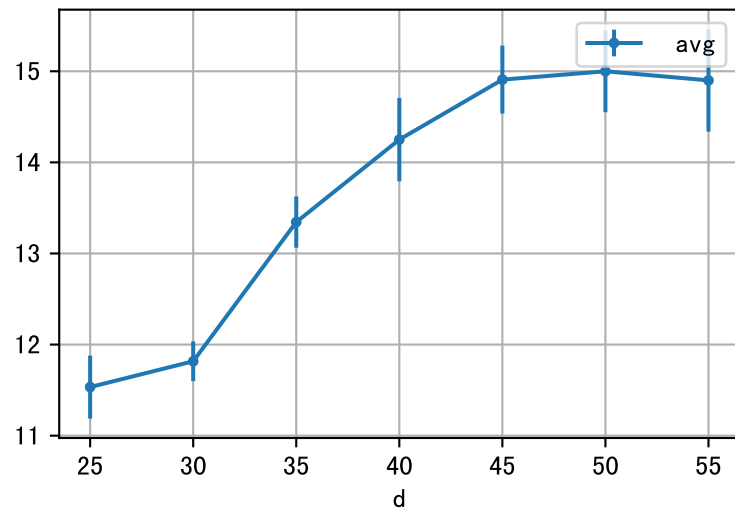
age=20



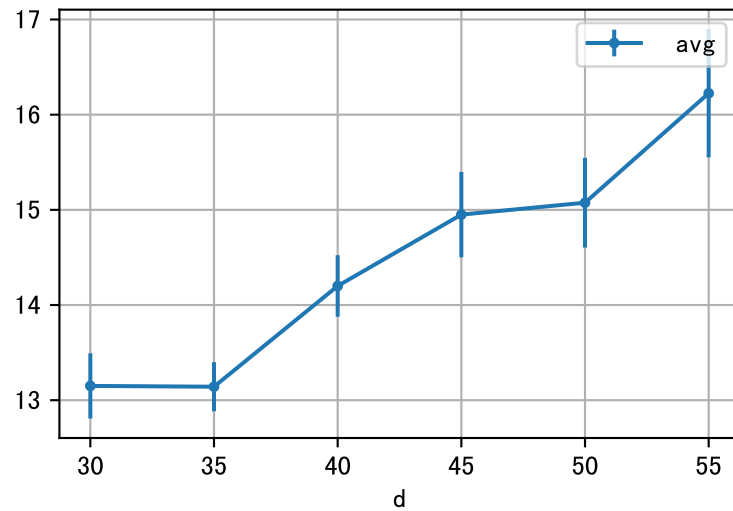
age=25



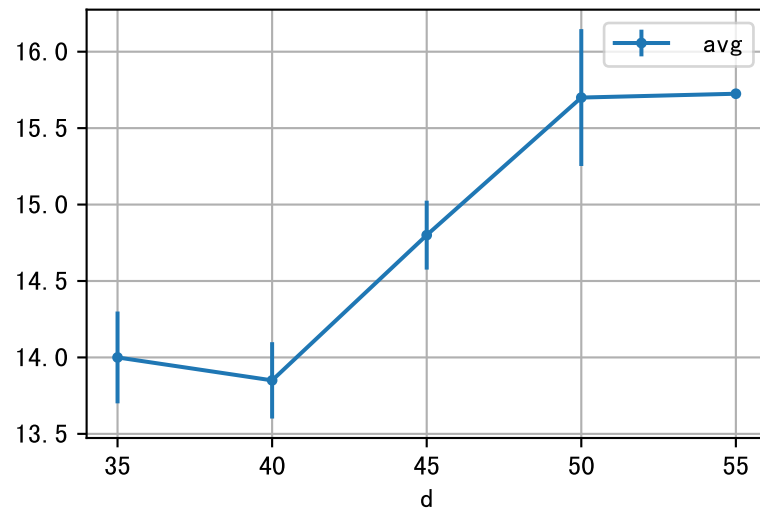
age=30



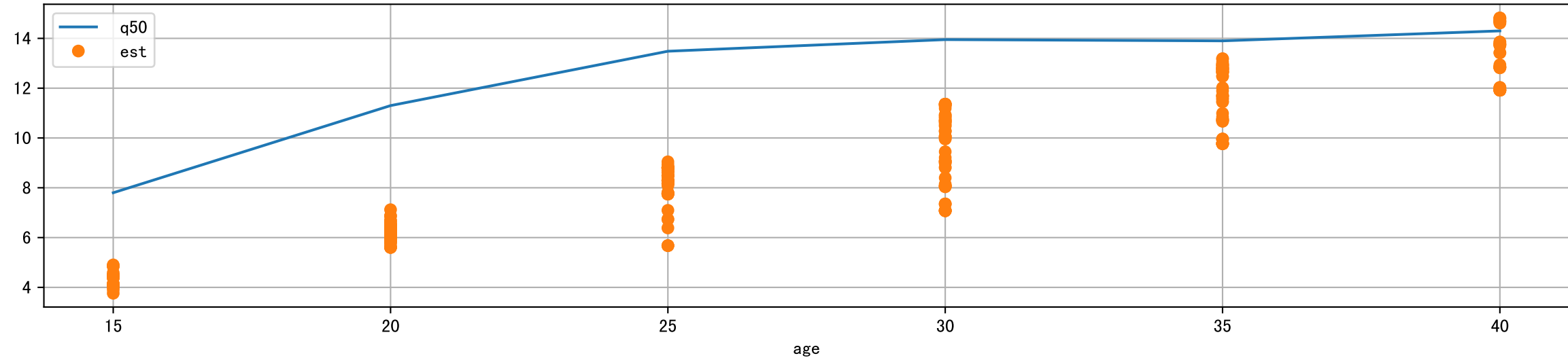
age=35



age=40

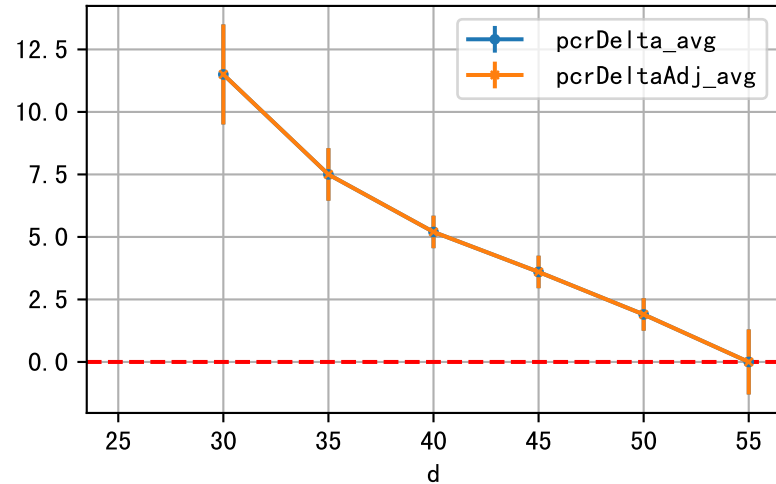


NdD: model est vs obs0v@Q50

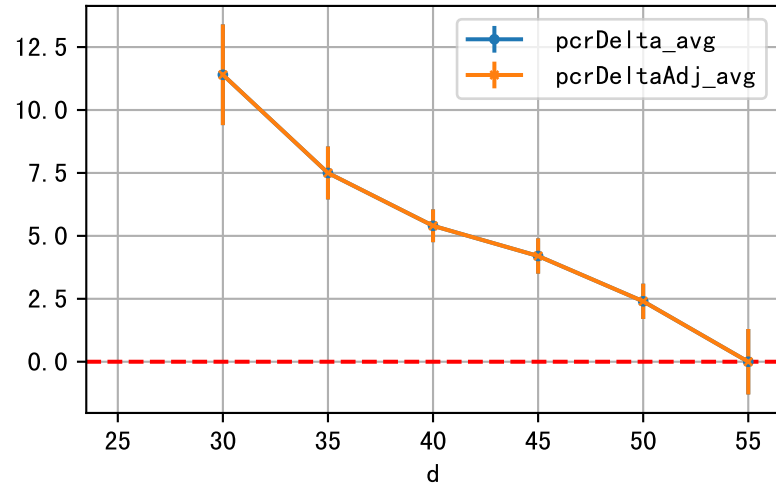


P3-6 NdD: D_5d_NdD

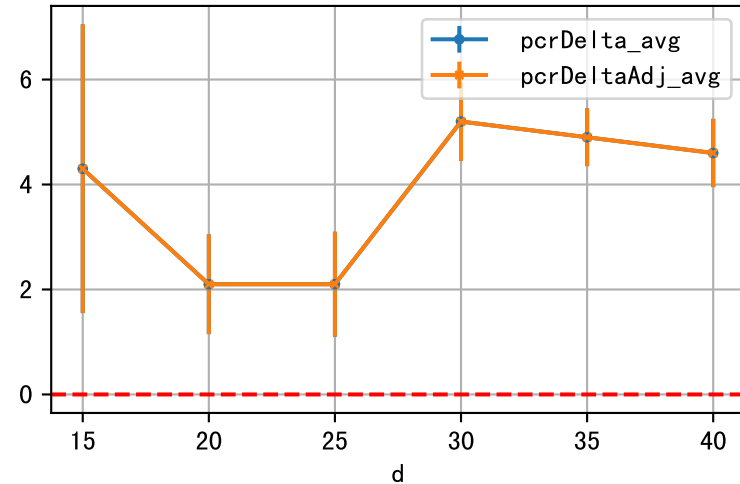
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

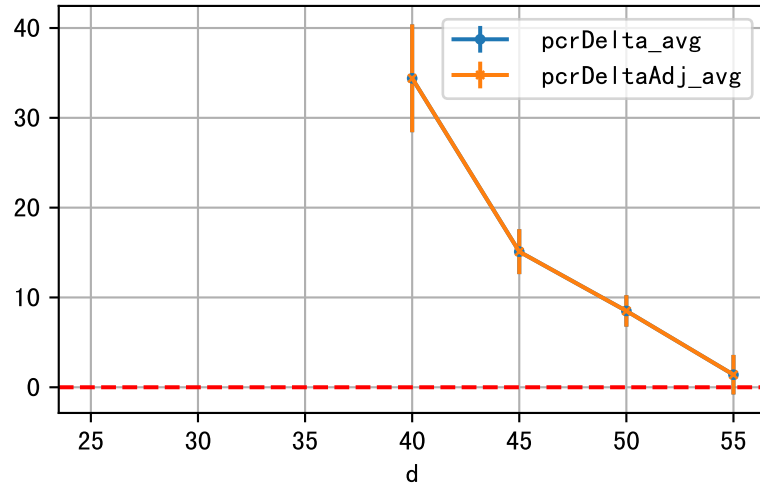


DeltaTypeAbbr=GrpByAge

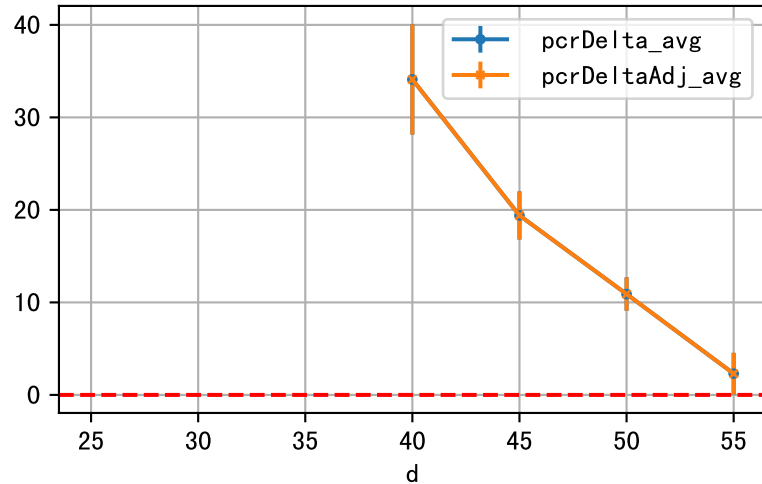


P3-6 NdD: D_15d_NdD

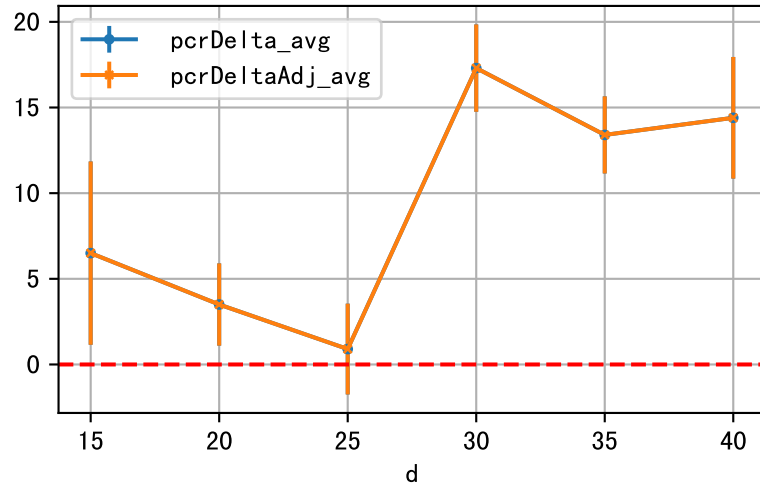
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

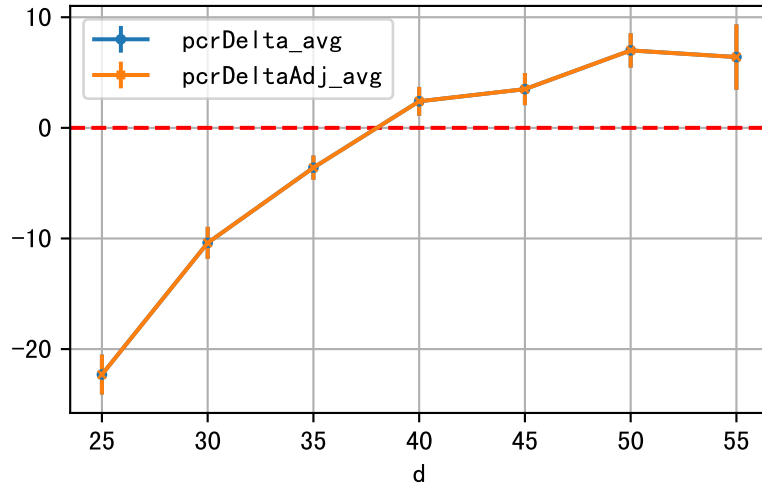


DeltaTypeAbbr=GrpByAge

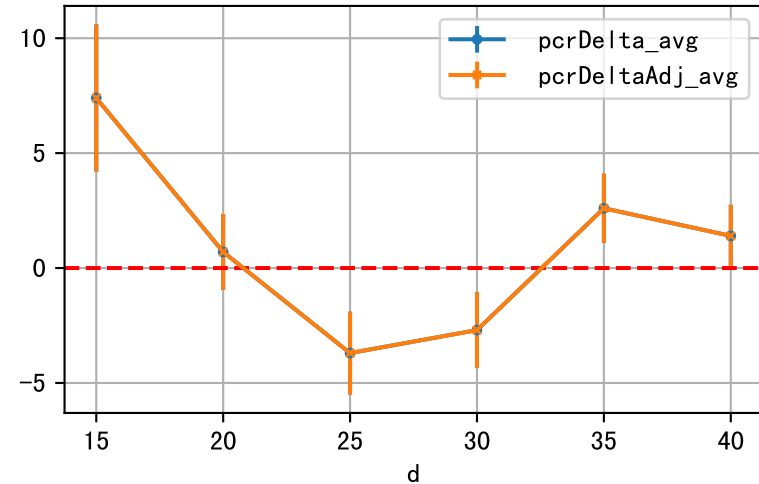


P3-6 NdD: D_Q50_NdD

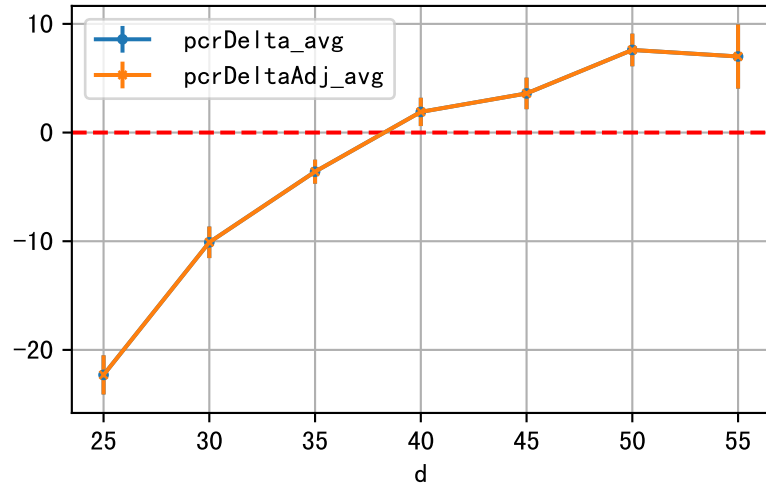
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

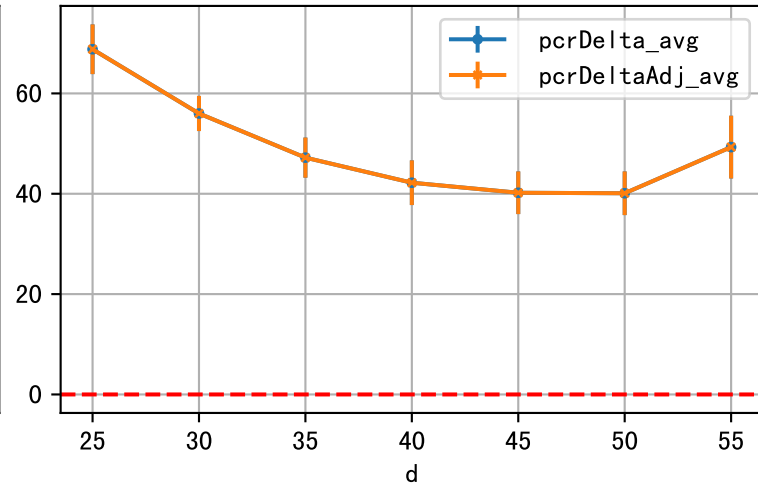


DeltaTypeAbbr=Wei AvgByD

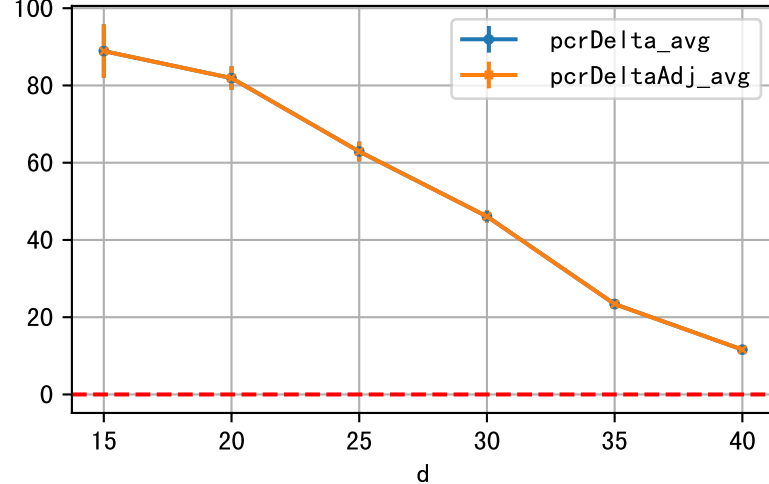


P3-6 NdD: D_Est_NdD

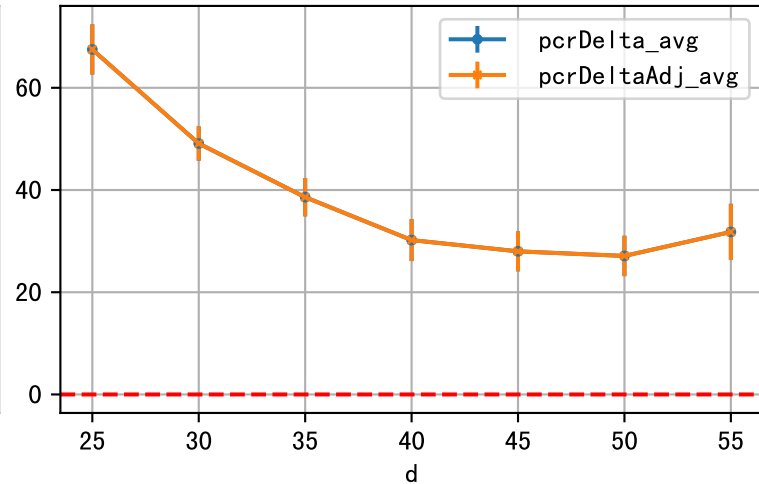
DeltaTypeAbbr=GrpByDay



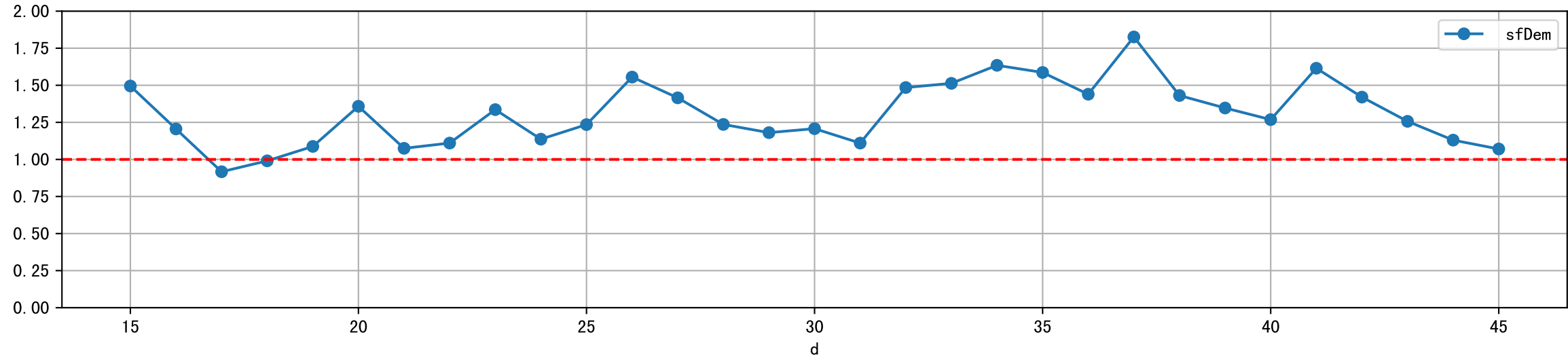
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD

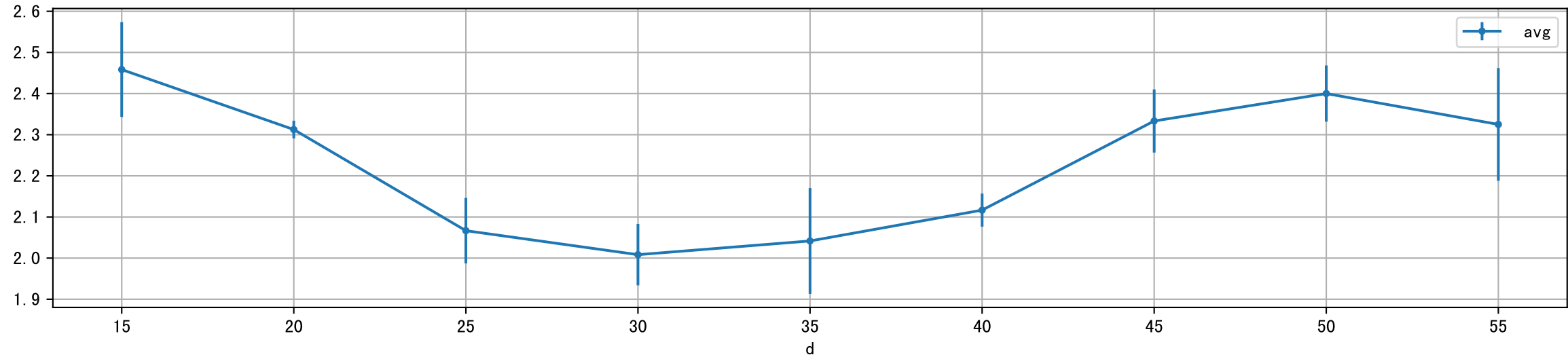


NdD: sfDem

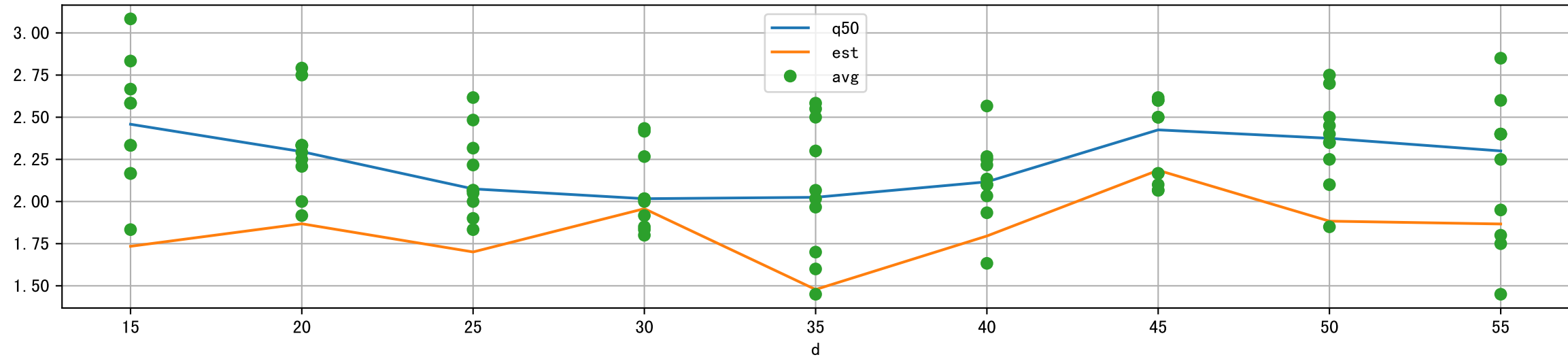




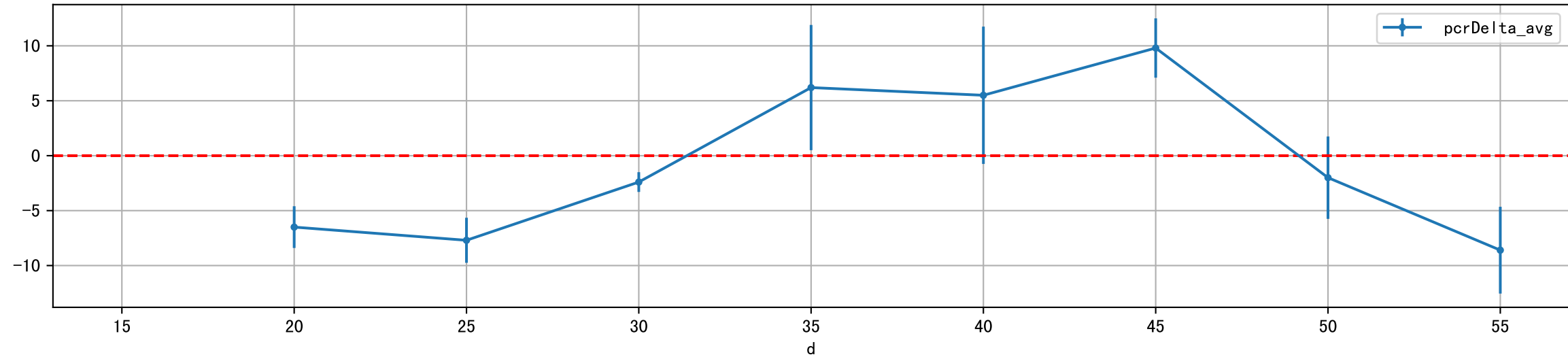
dStH: avg vs. d



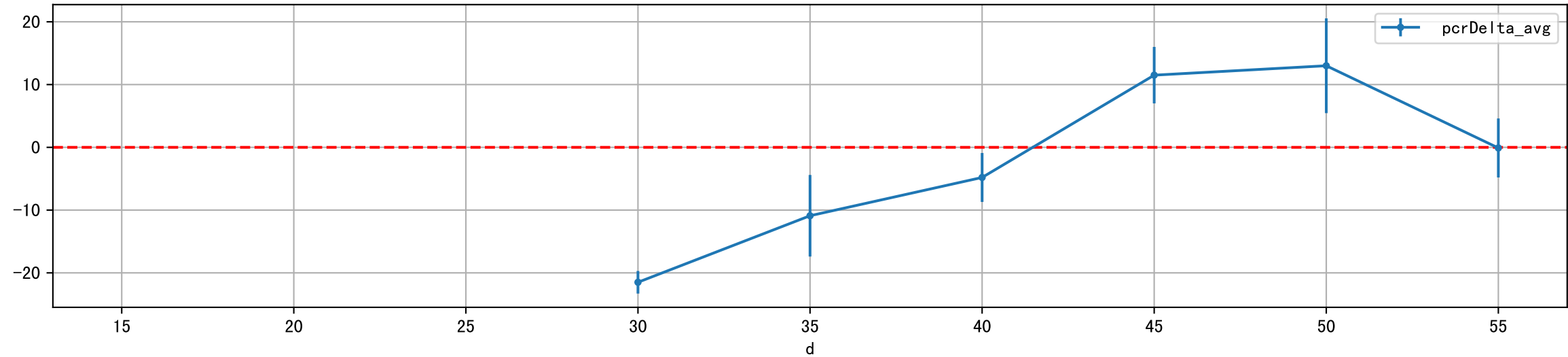
dStH: obsAvg vs obs0v@Q50



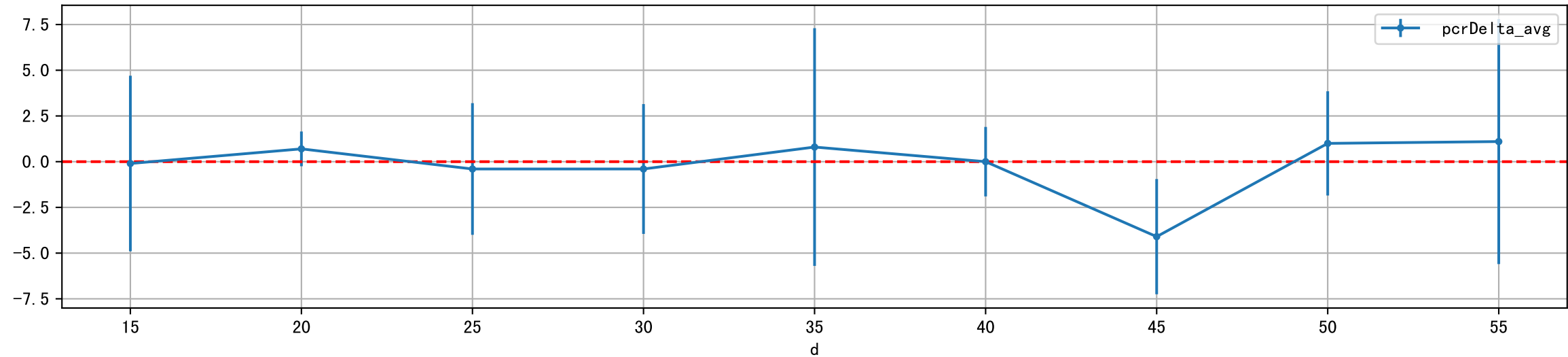
dStH: D_5d_StH



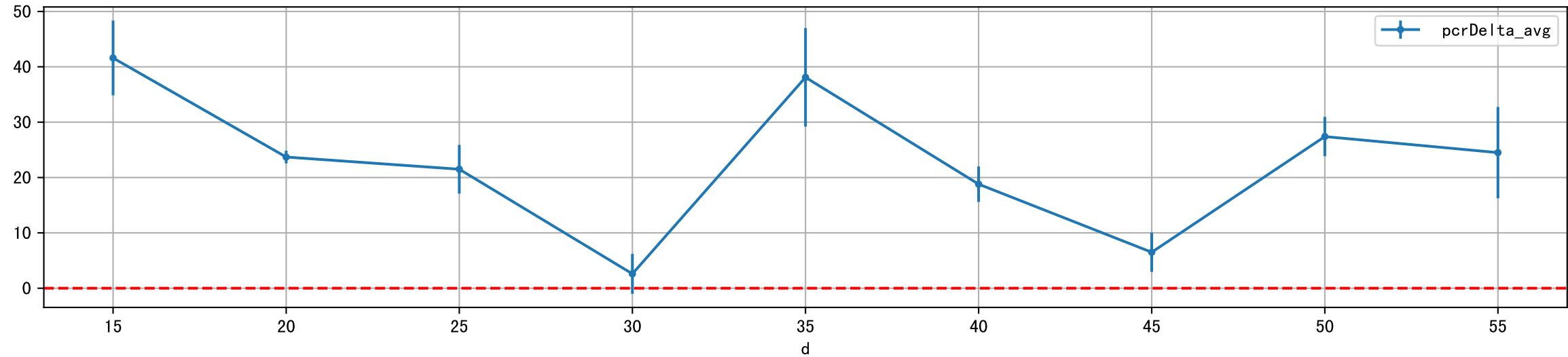
dStH: D_15d_StH



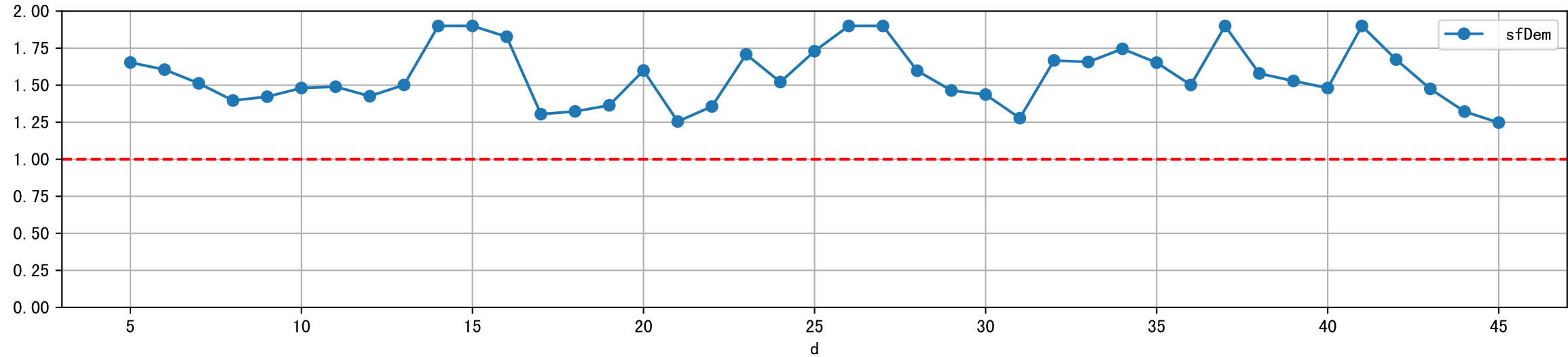
dStH: D_Q50_StH



dStH: D_Est_StH



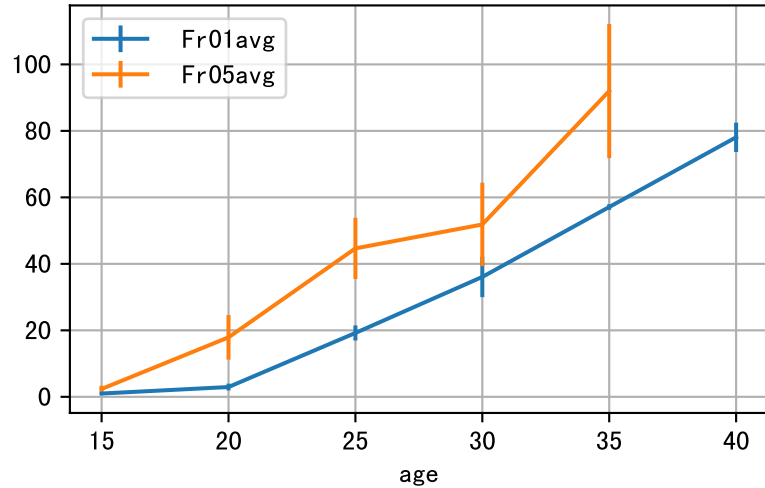
dStH: sfDem



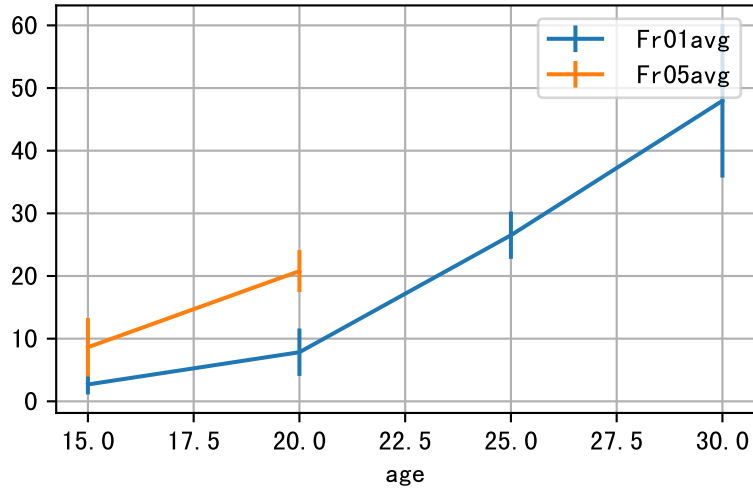


FrV: Fr01 vs Fr05 at each truss

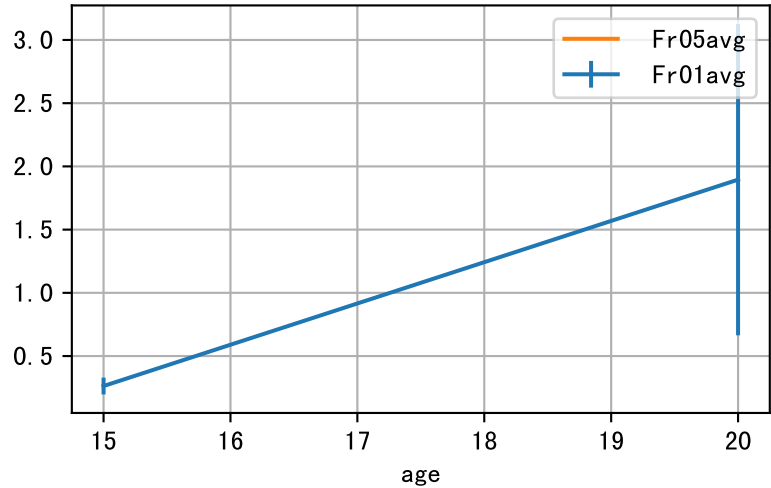
organID=T01



organID=T02

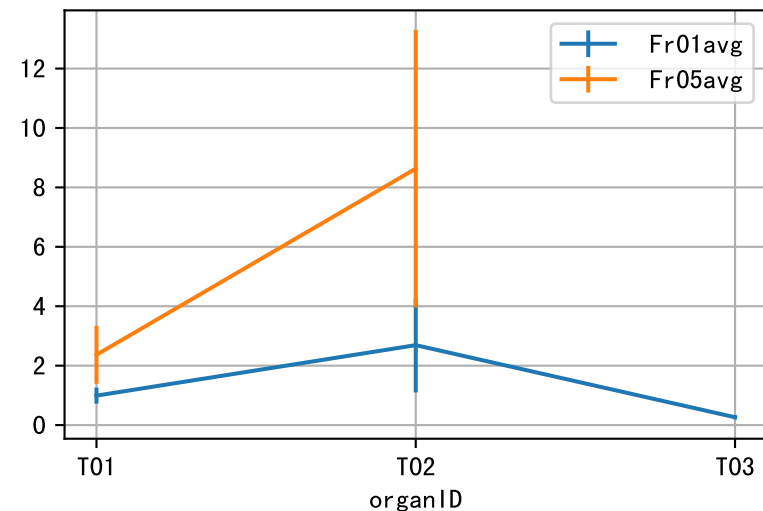


organID=T03

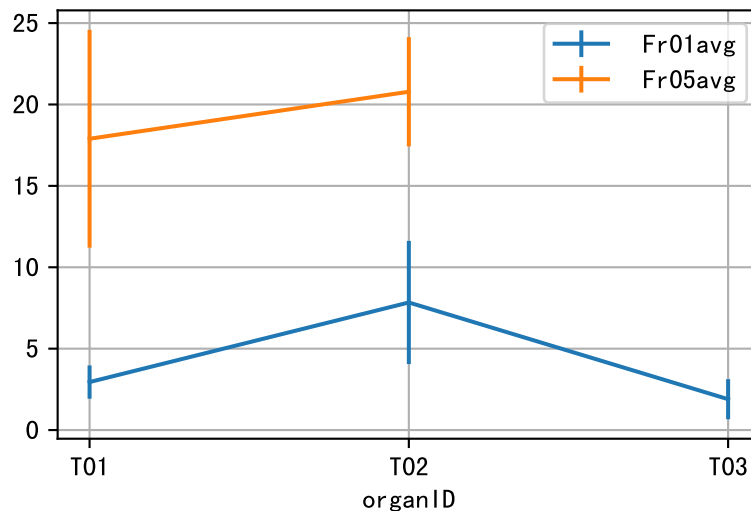


FrV trend at each age

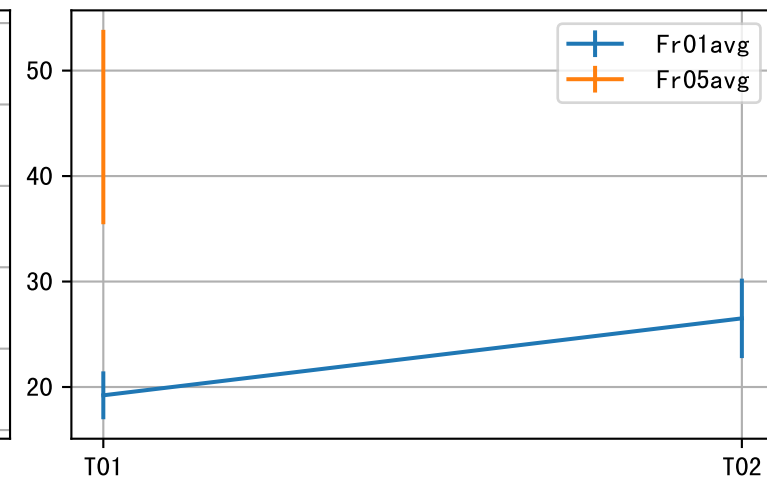
age=15



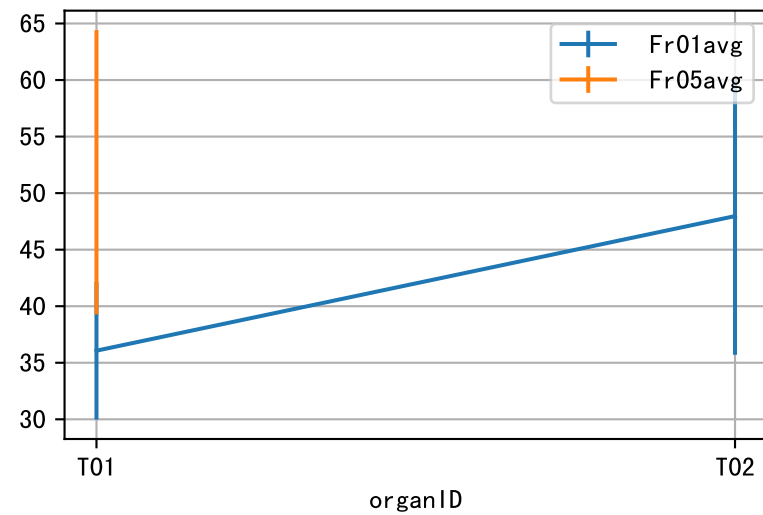
age=20



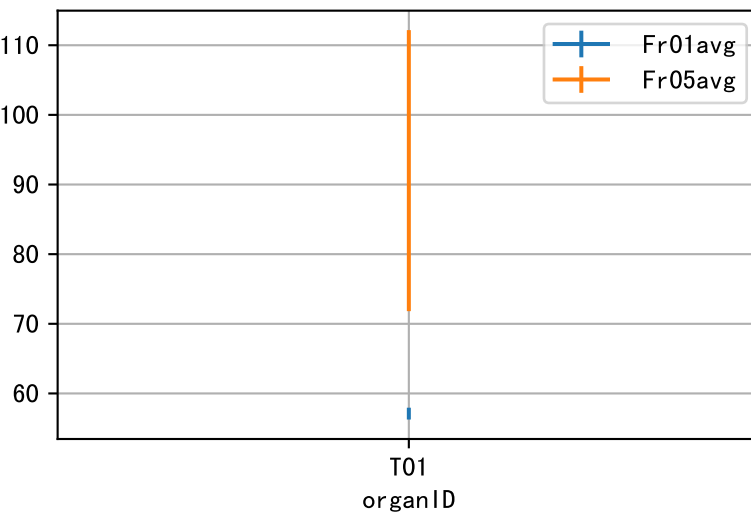
age=25



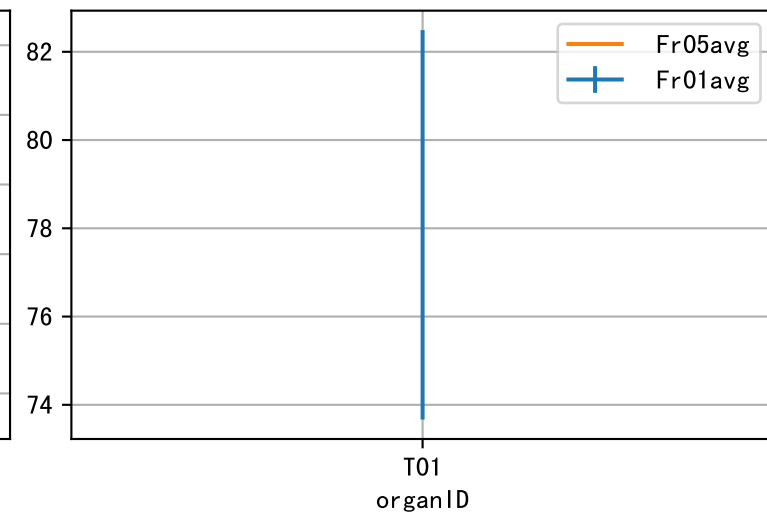
age=30



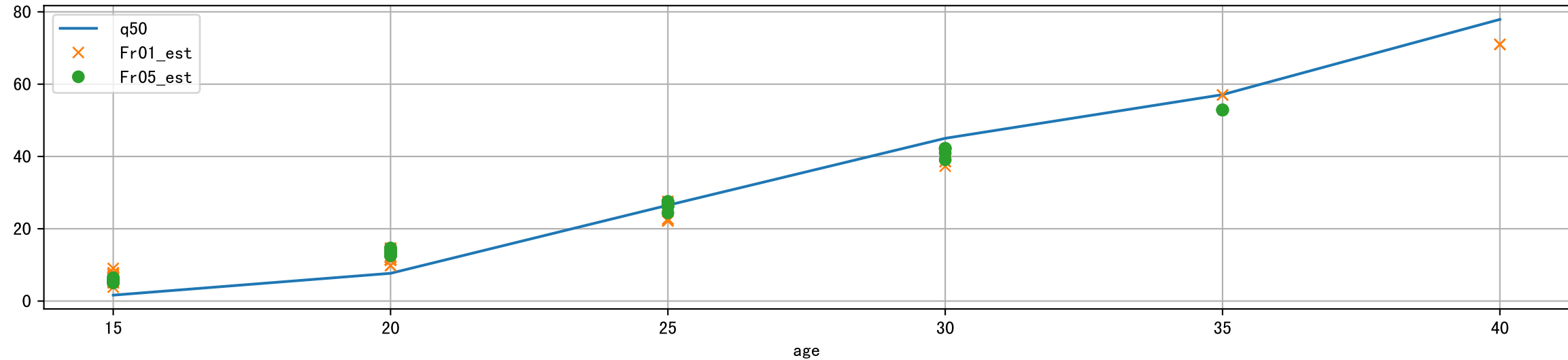
age=35



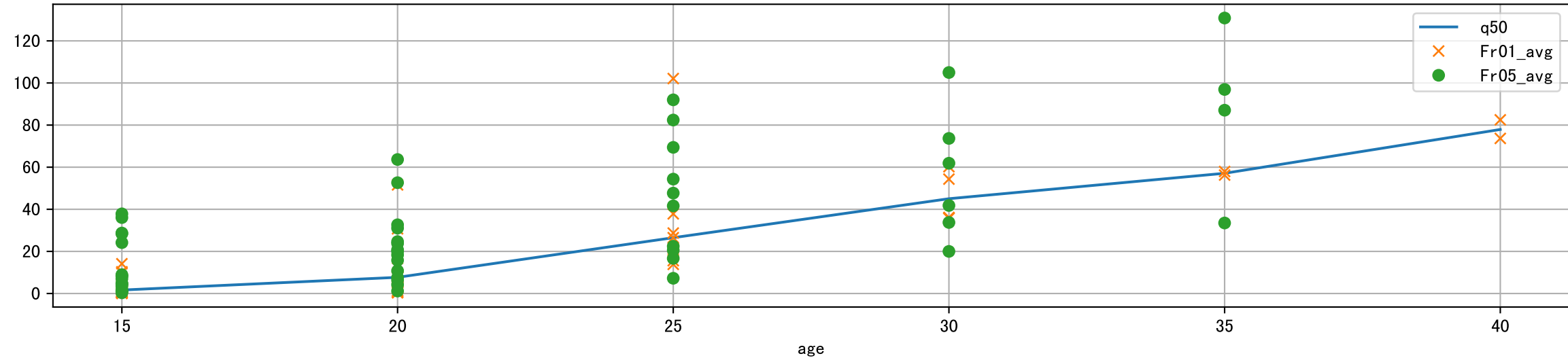
age=40



FrV: model Est vs obsFrV at Q90

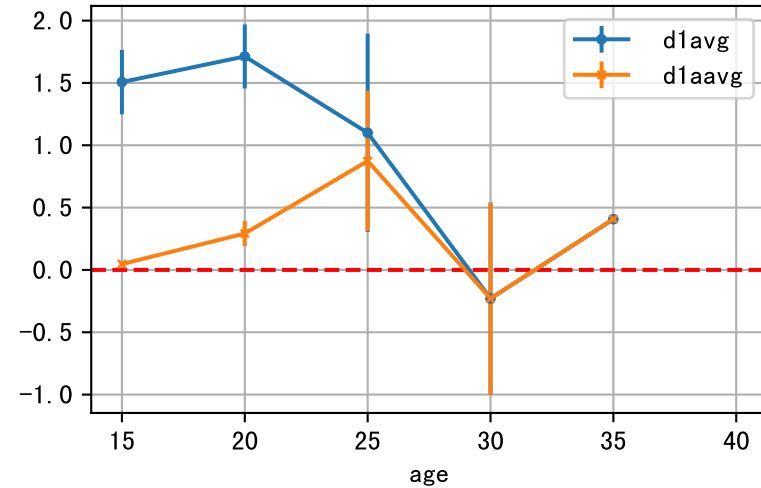


FrV: obsFrV vs obsFrV@Q90

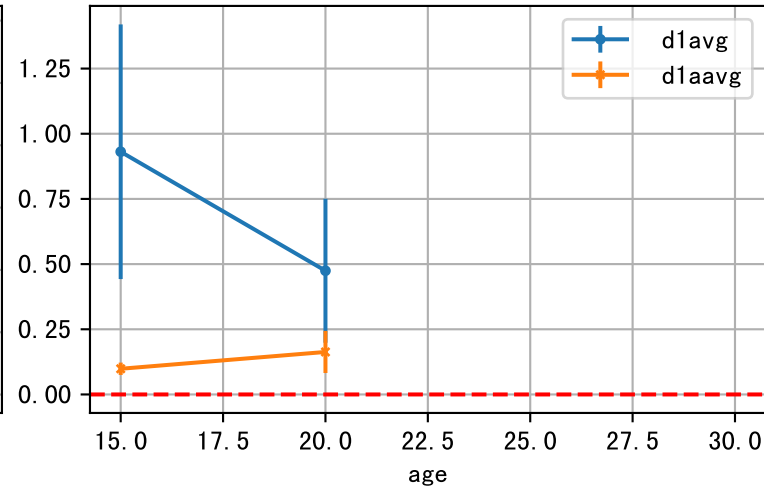


FrV: D_Fr1_FrV

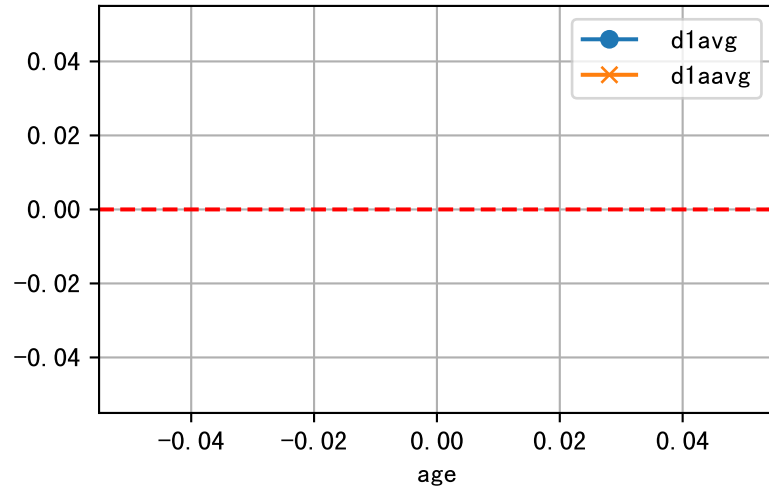
organID=1



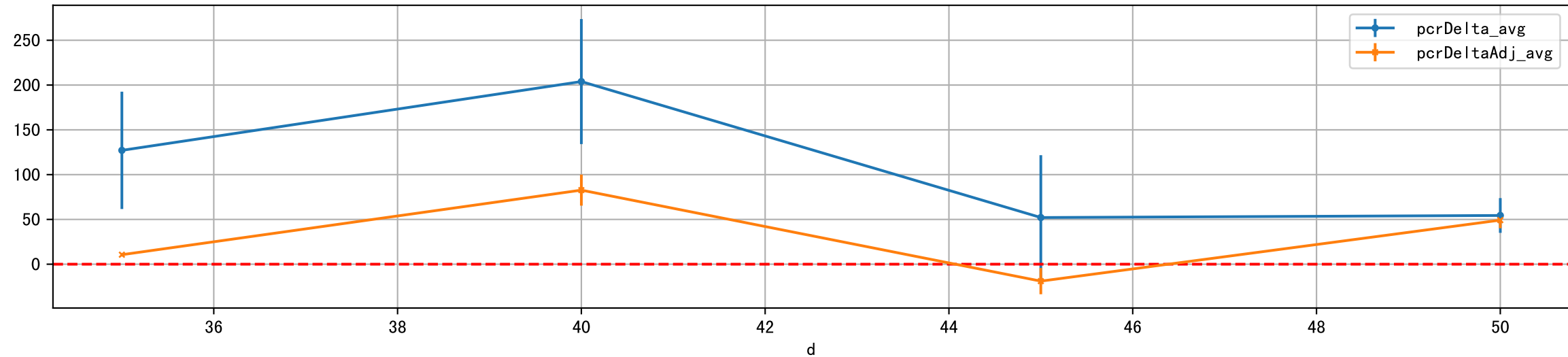
organID=2



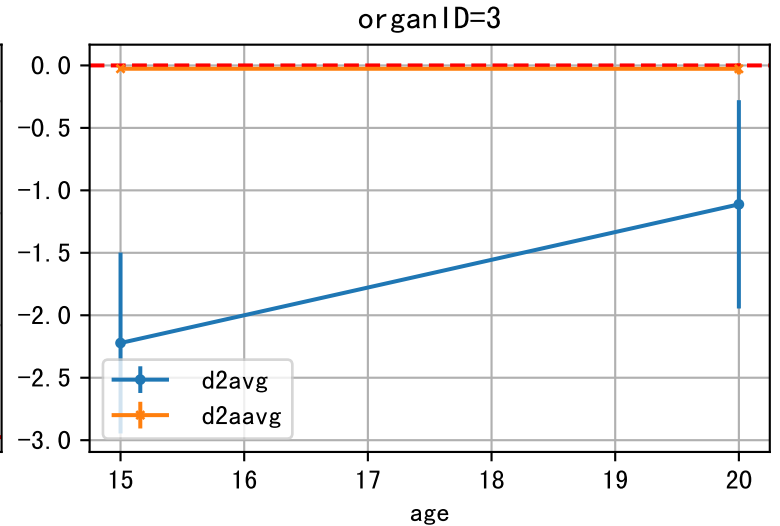
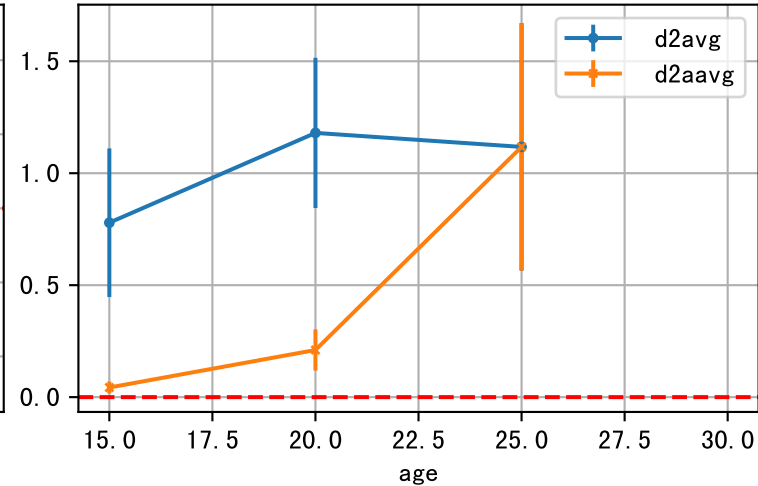
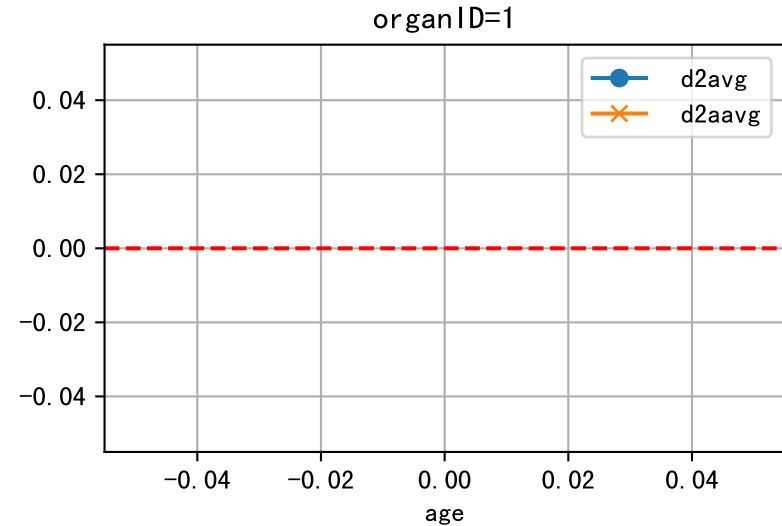
organID=3



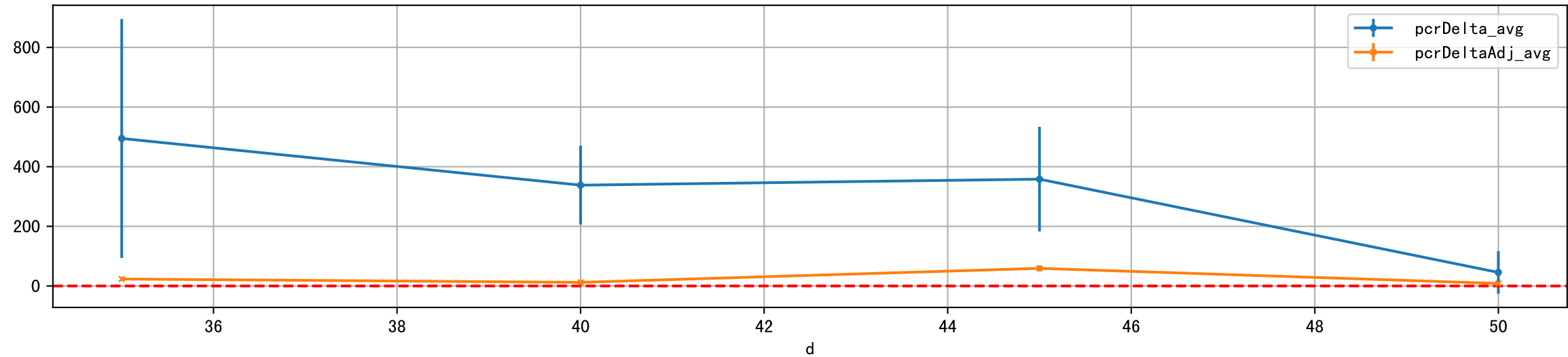
P3-6 FrV: D_Fr1_FrV



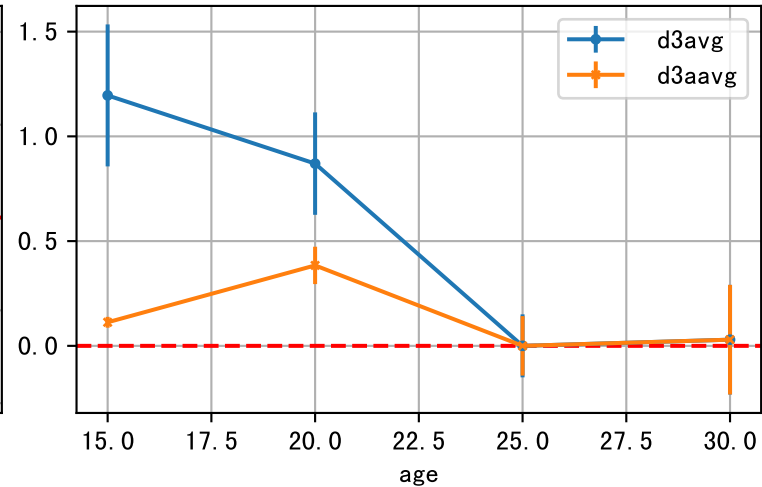
FrV: D_Ts_FrV
organID=2



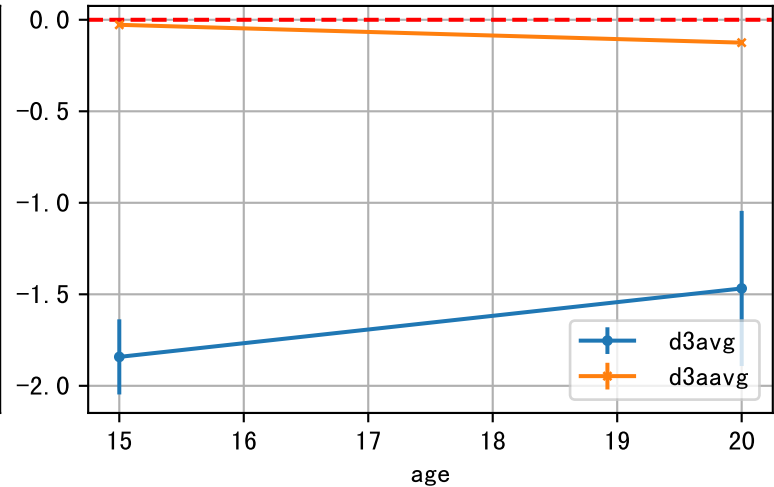
P3-6 FrV: D_Ts_FrV



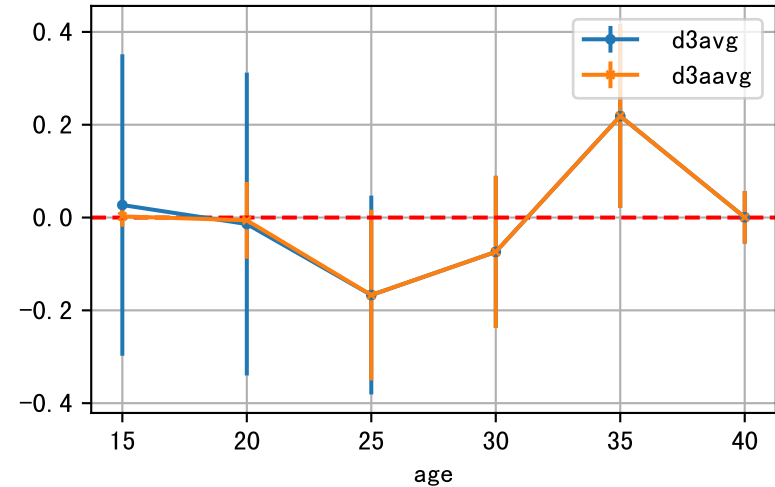
FrV: D_Q50_FrV
organID=2



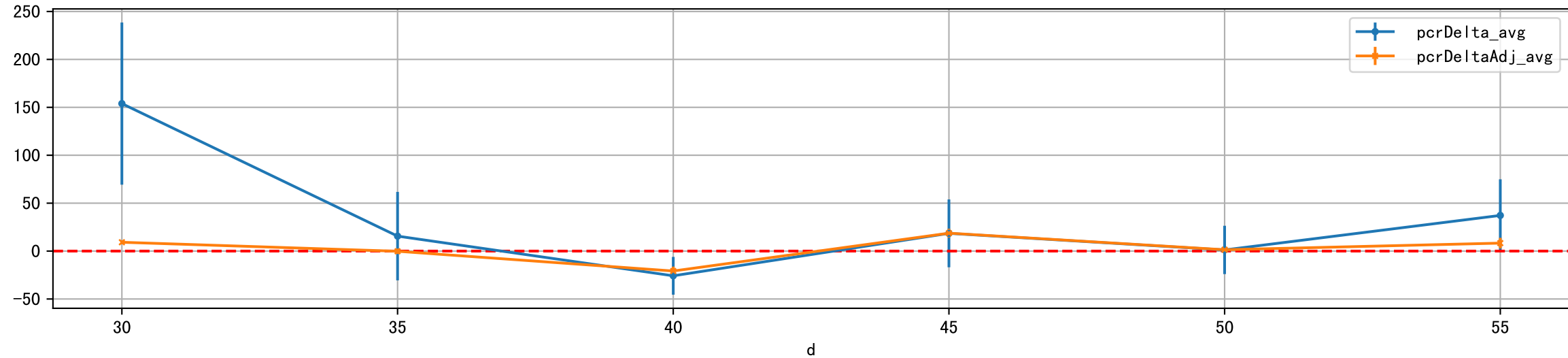
organID=3



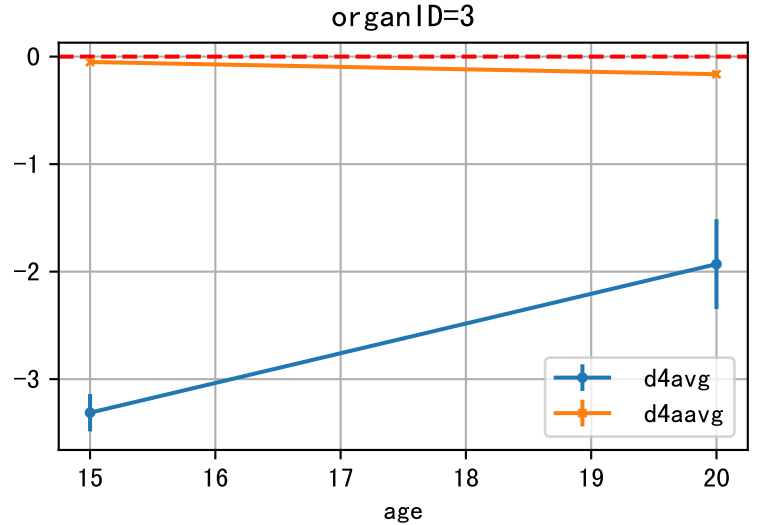
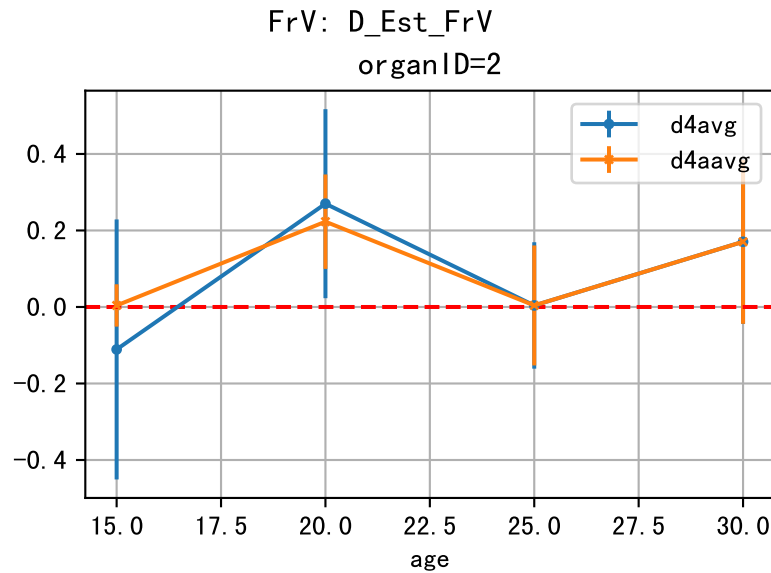
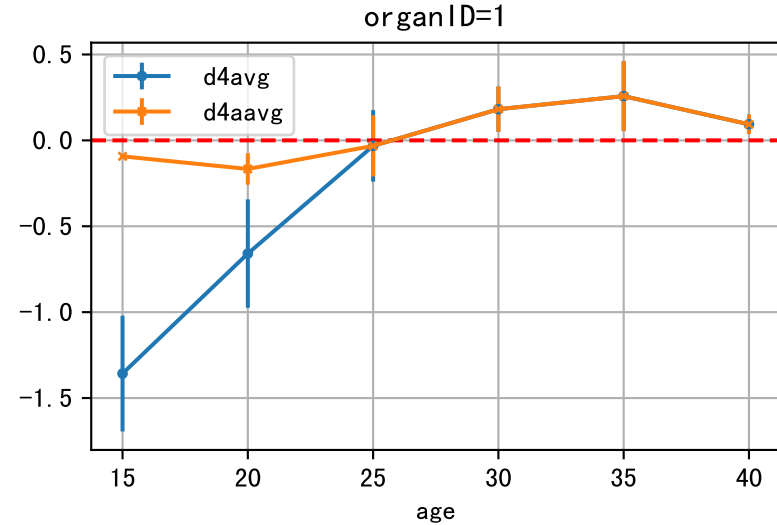
organID=1



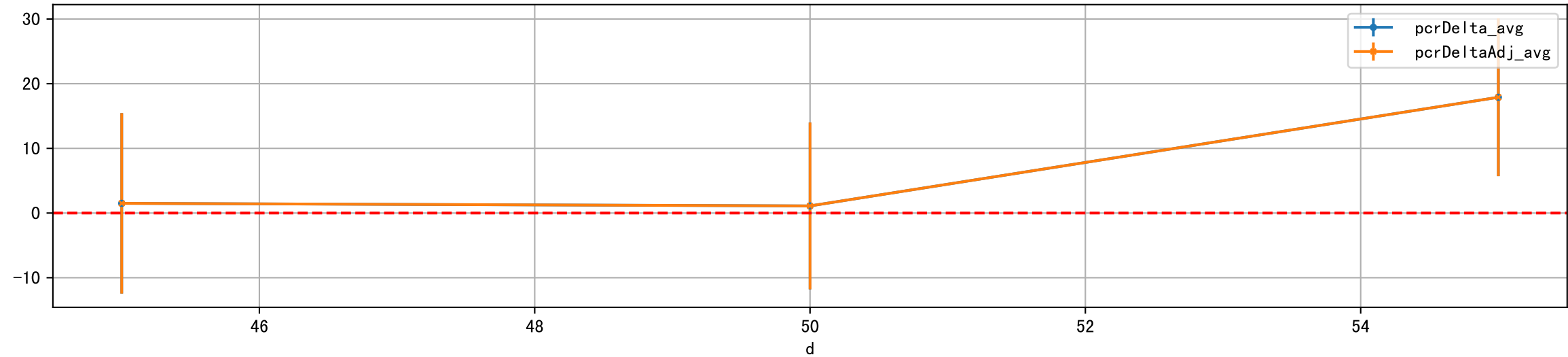
P3-6 FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=2



P3-6 FrV: D_Est_FrV



P3-6 FrV: sfDem

