

Phenotype Data Analysis Plots

PhenoData day range = 12 – 49

Analysis cutoff day = 49

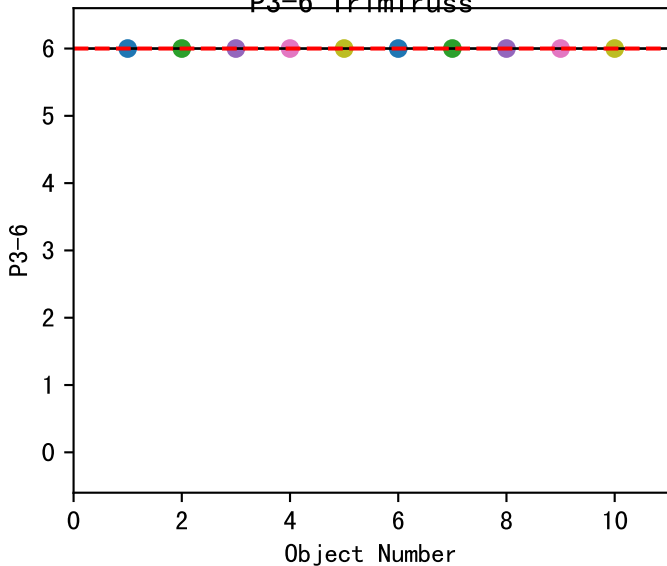
NC11 P3–6

2025-05-18 (Day 50)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

P3-6 TrimTruss



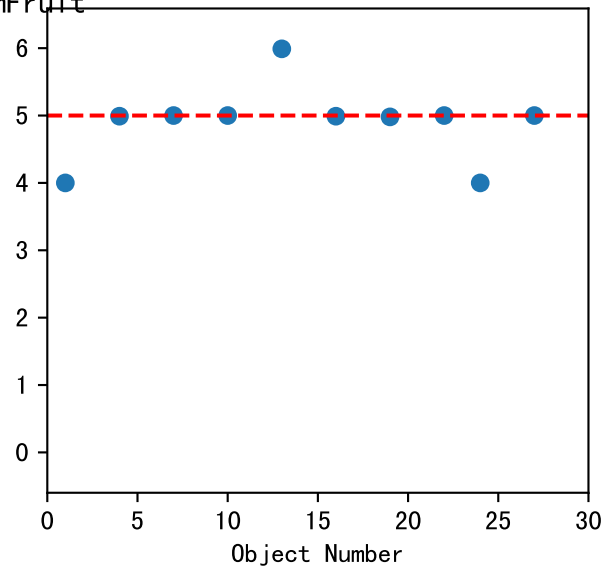
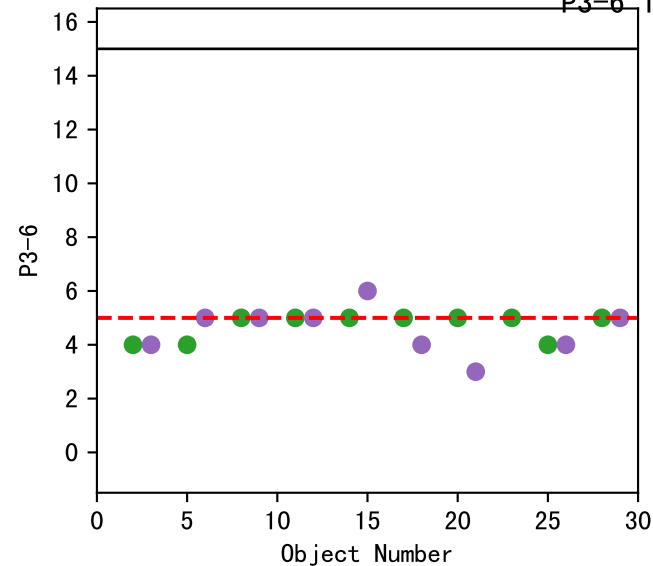
FruitNumAvgPerTruss (Def=15 Set=5)

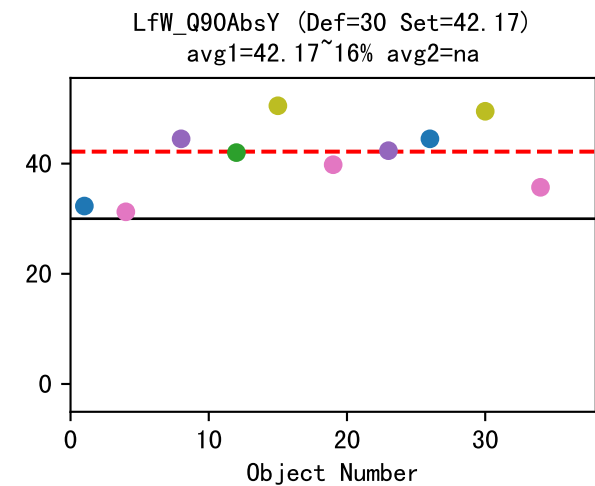
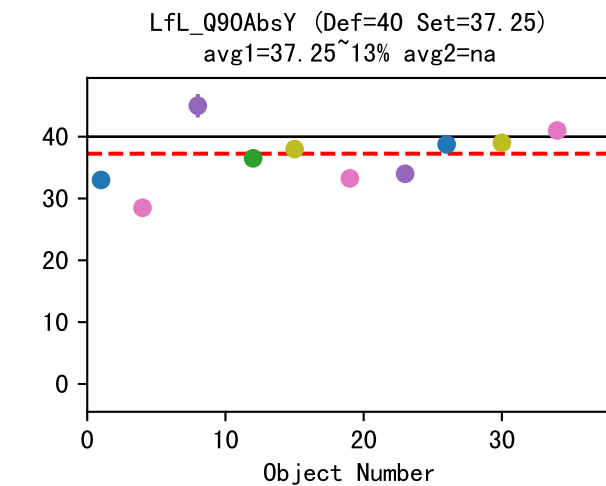
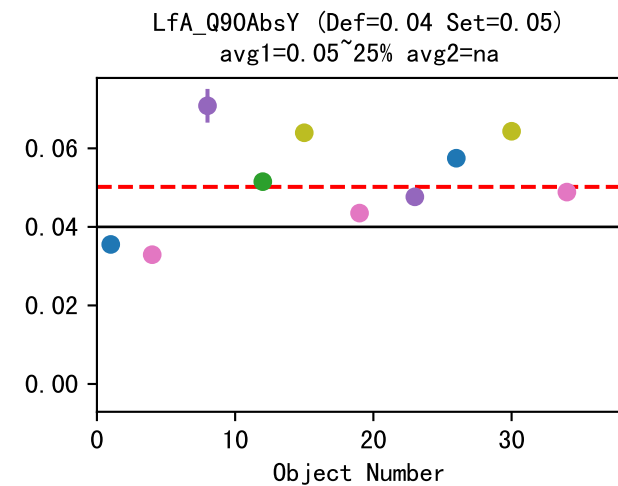
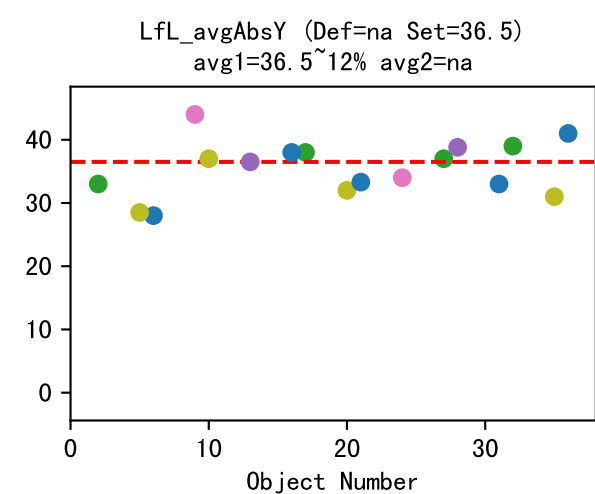
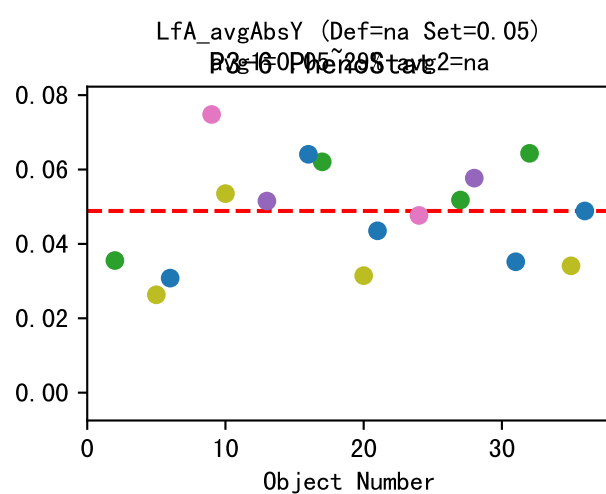
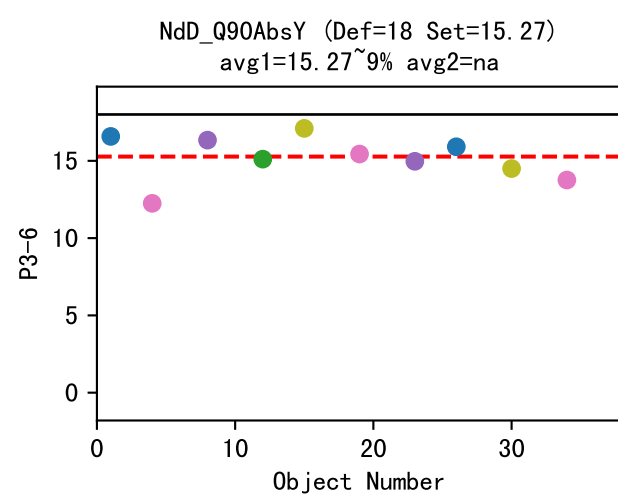
avg1=5.0~14% avg2=na

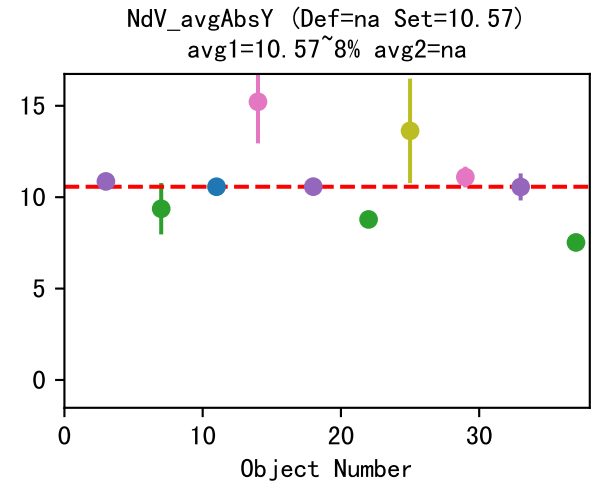
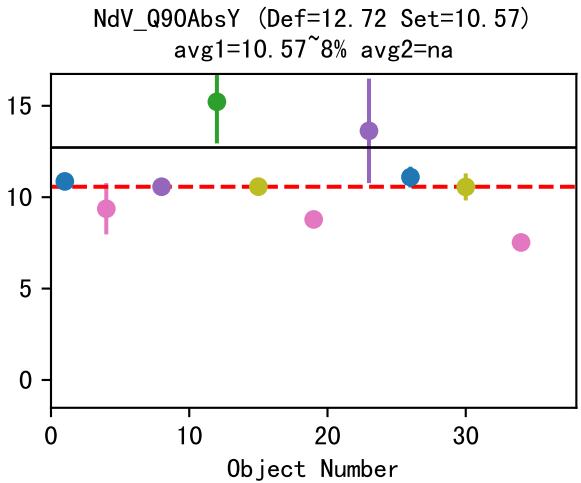
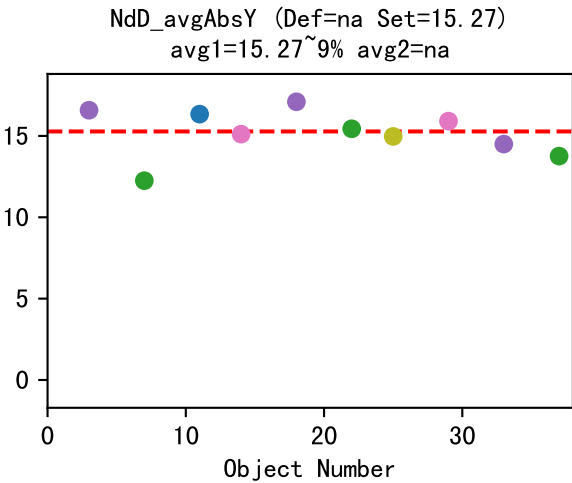
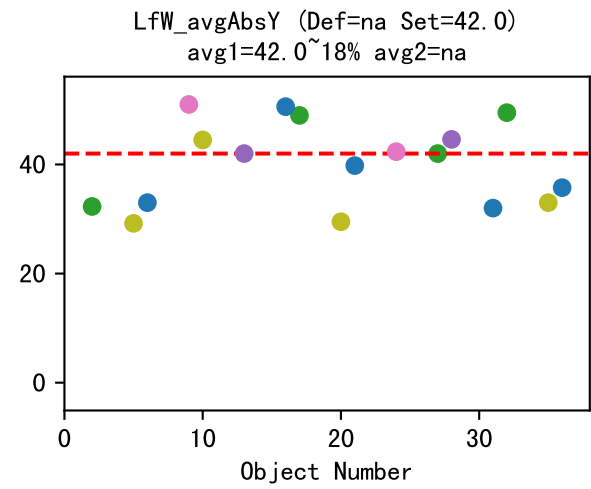
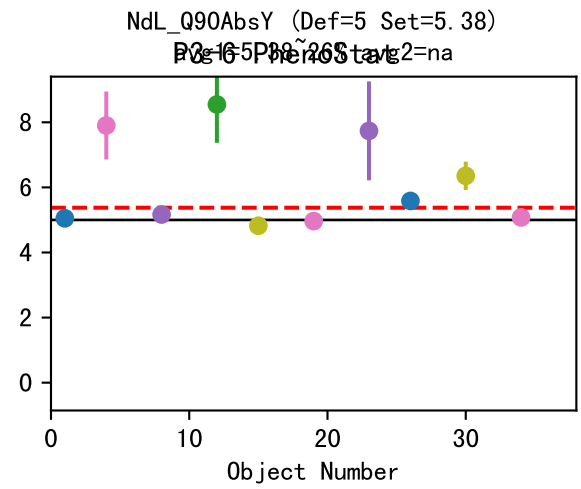
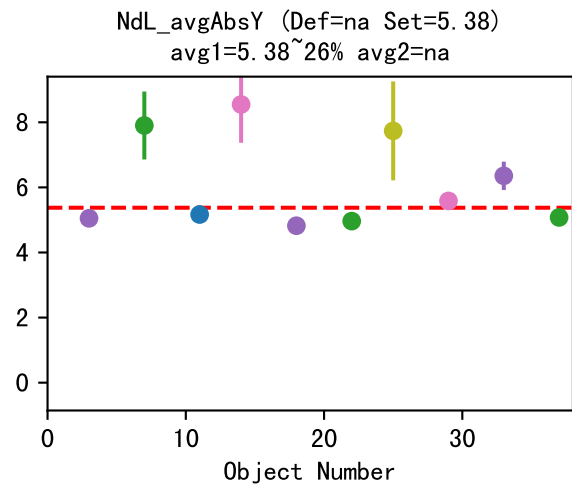
P3-6 TrimFruit

FruitNumMaxPerTruss (Def=na Set=5)

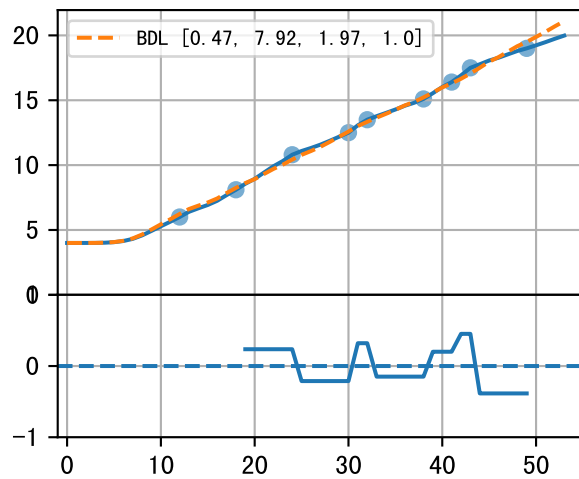
avg1=5.0~0% avg2=na



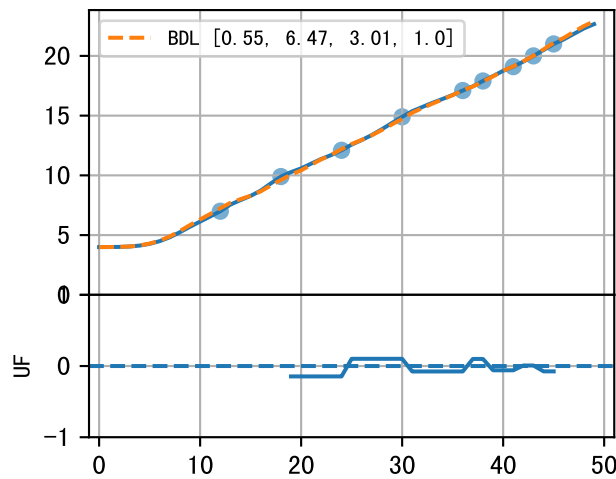




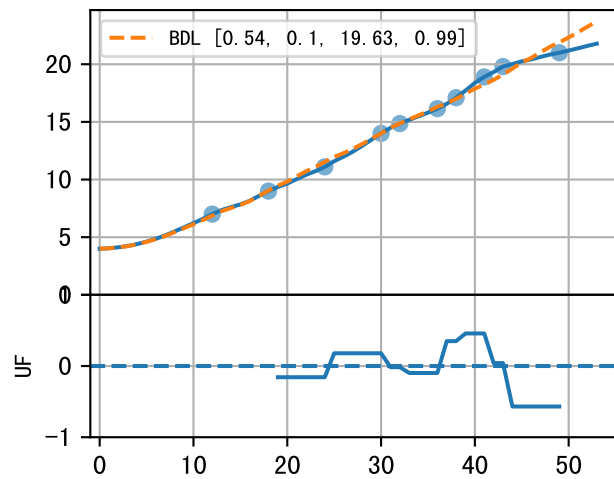
P3-6-003-24 (fit failed)



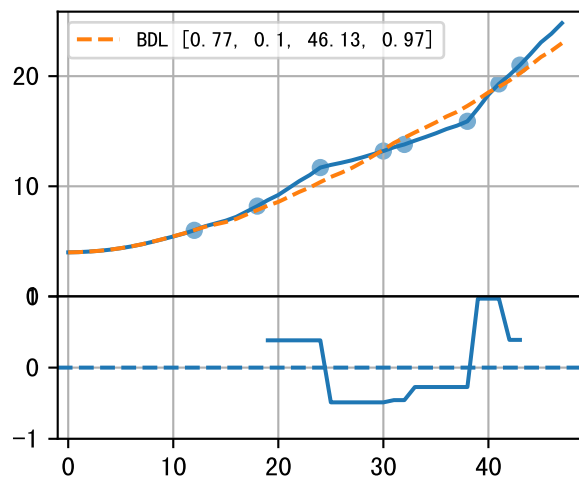
P3-6-007-11 (fit failed)



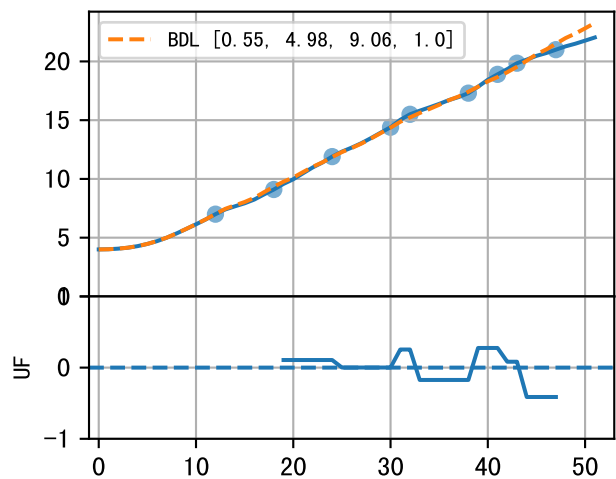
P3-6-011-7 (fit failed)



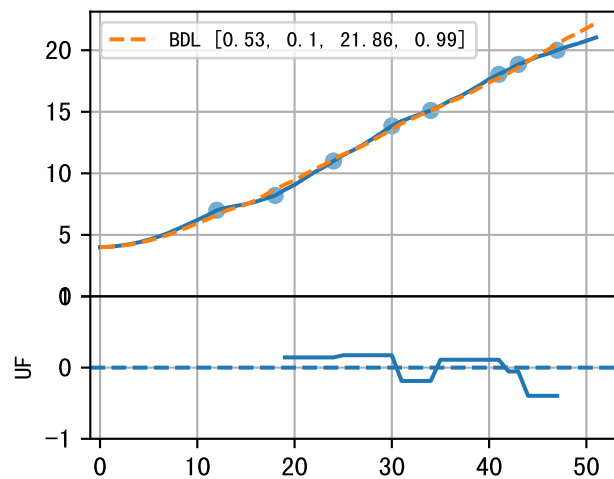
P3-6-015-30 (fit failed)



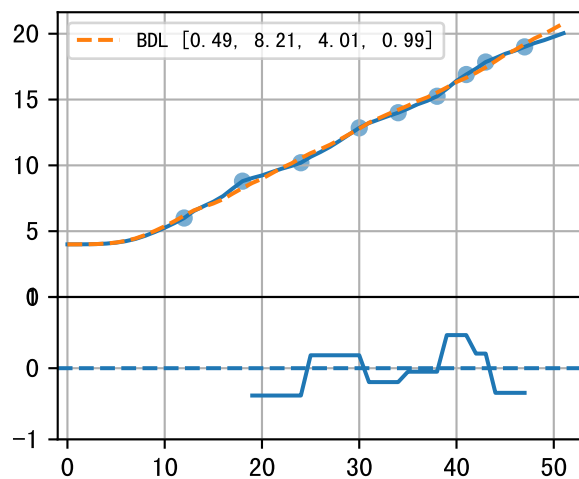
P3-6-019-12 (fit failed)



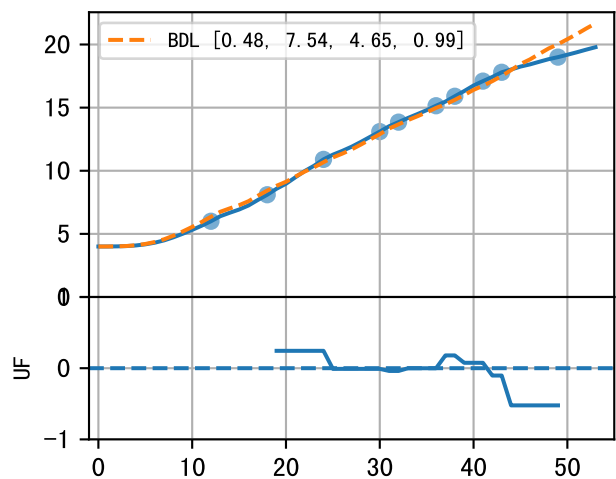
P3-6-024-25 (fit failed)



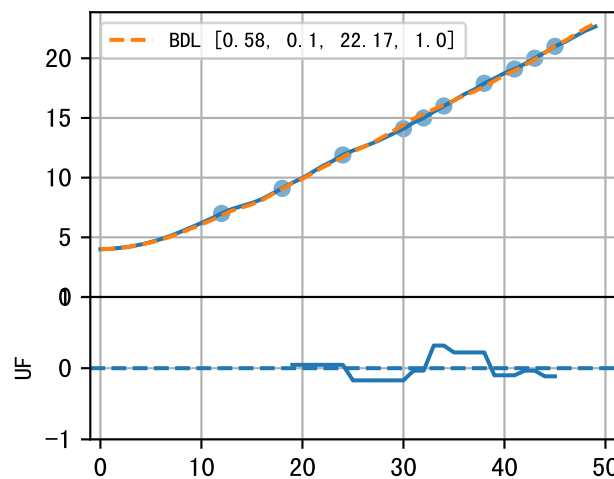
P3-6-028-32 (fit failed)



P3-6-033-9 (fit failed)

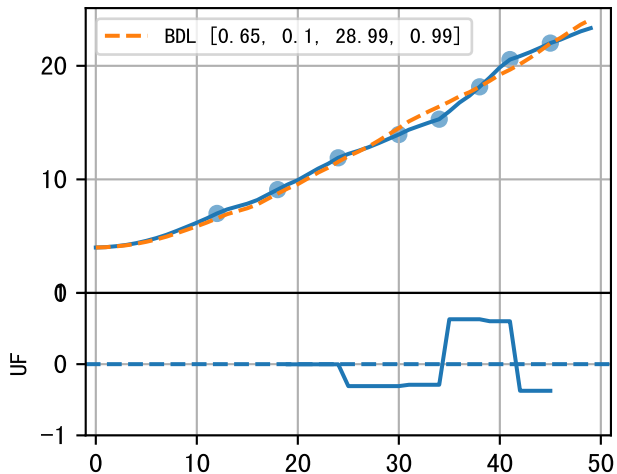


P3-6-038-21 (fit failed)



P3-6-042-4 (fit failed)

NdN

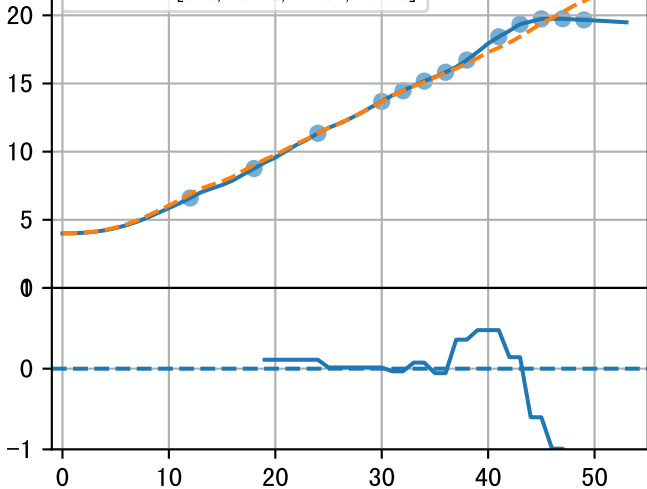


P3-6avg (fit failed)

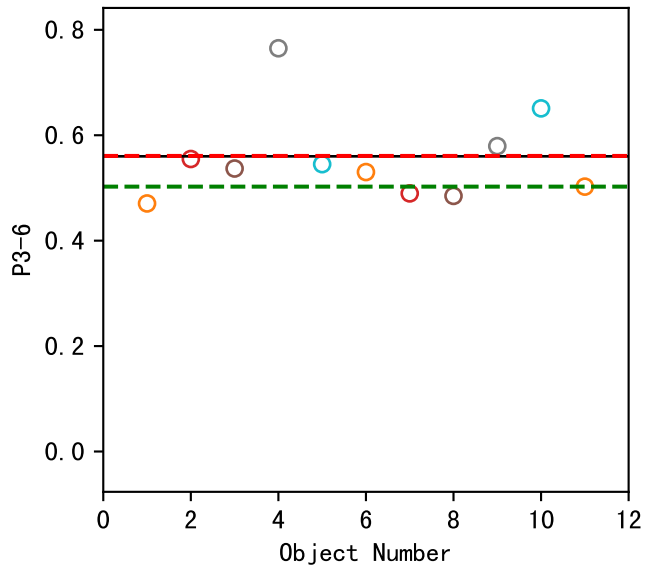
NdN

BDL [0.5, 5.18, 7.82, 0.98]

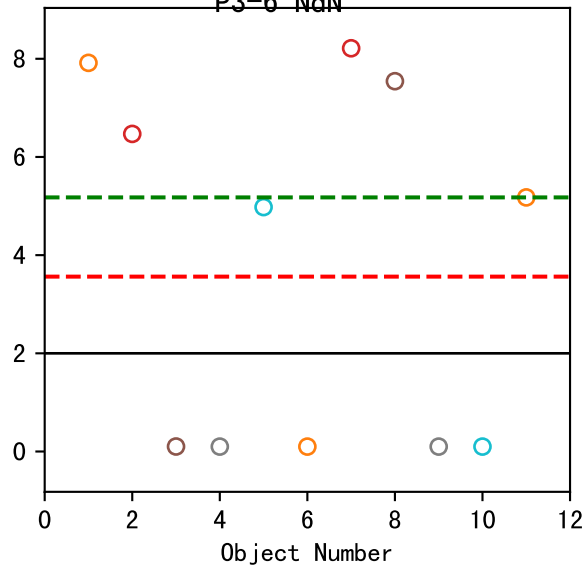
UF



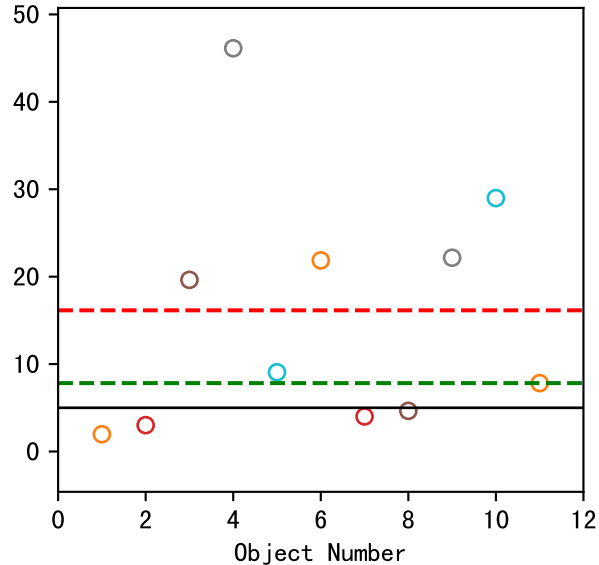
a (Def=0.56 Set=0.5)
avg1=0.56(fail) avg2=0.5



dm (Def=2 Set=5.18)
avg1=3.56(fail) avg2=5.18

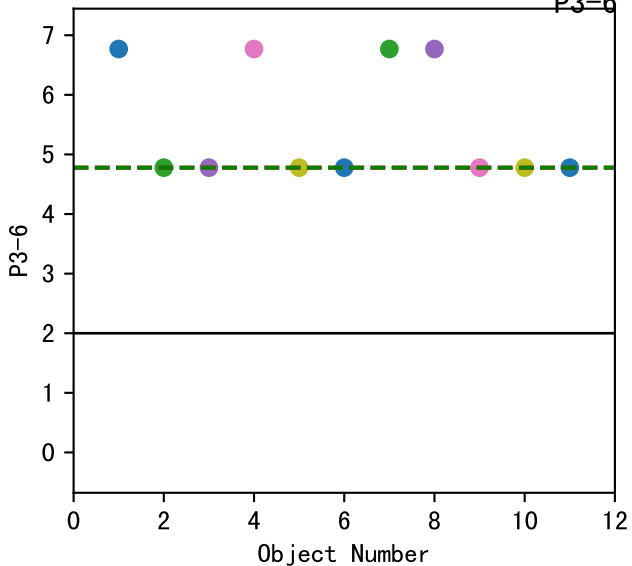


de (Def=5 Set=7.82)
avg1=16.15(fail) avg2=7.82



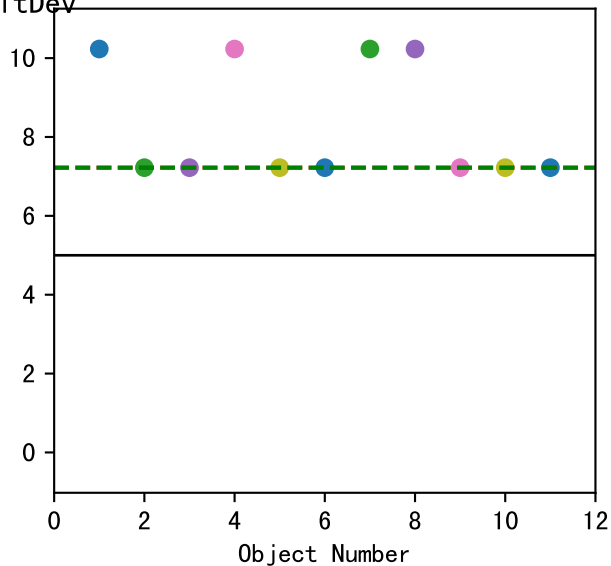
InitDev_dm (Def=2 Set=4.78)
avg1=4.78~22% avg2=4.78

P3-6



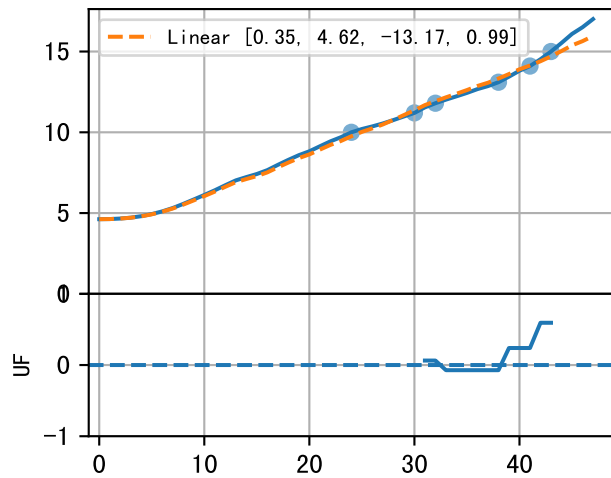
InitDev_de (Def=5 Set=7.22)
avg1=7.22~22% avg2=7.22

InitDev

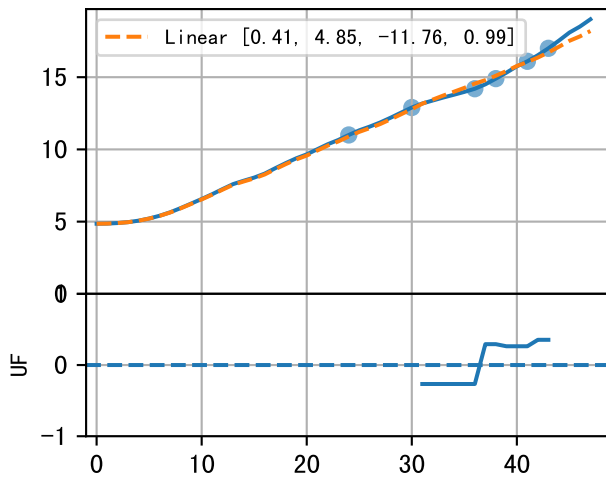


LFN

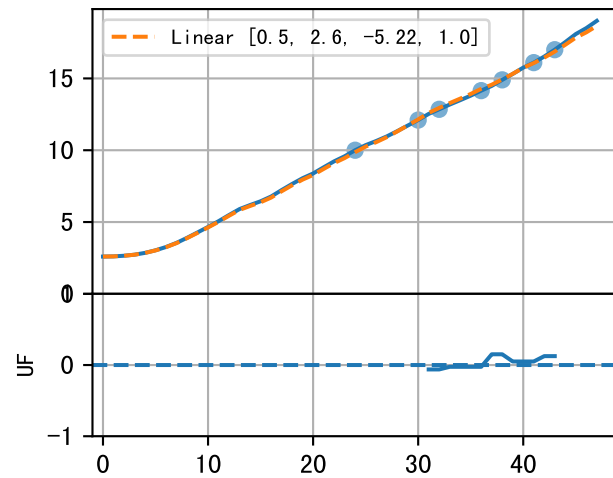
P3-6-003-24



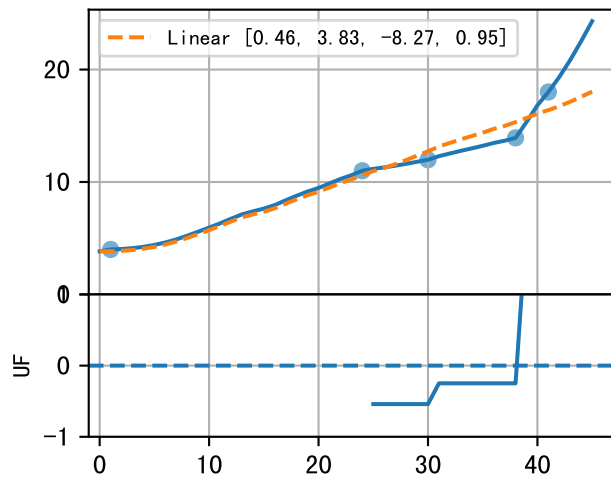
P3-6-007-11



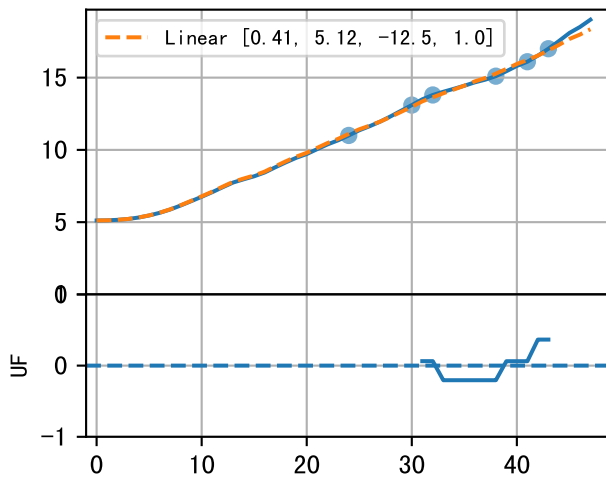
P3-6-011-7



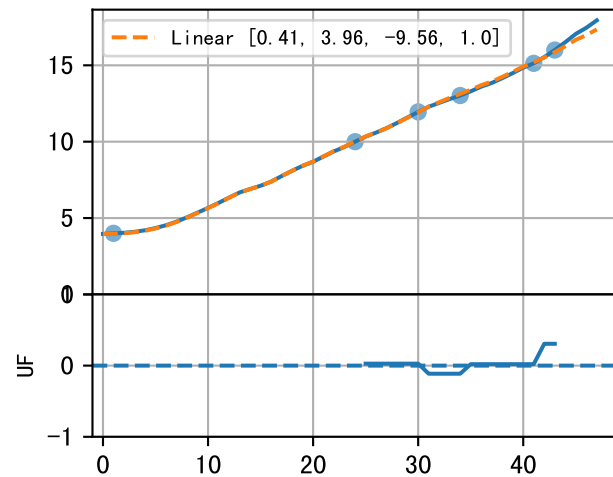
P3-6-015-30



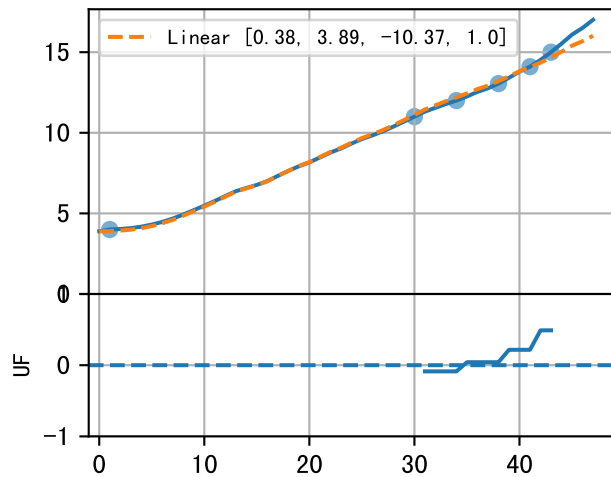
P3-6-019-12



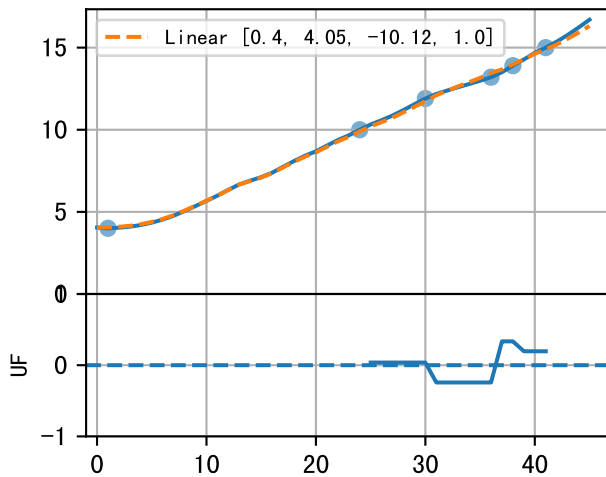
P3-6-024-25



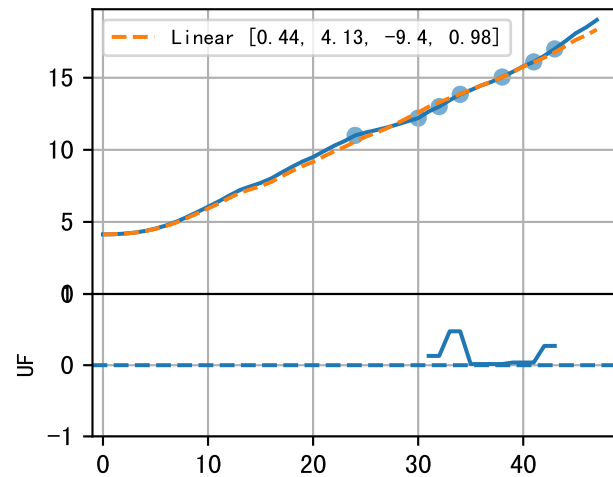
P3-6-028-32



P3-6-033-9

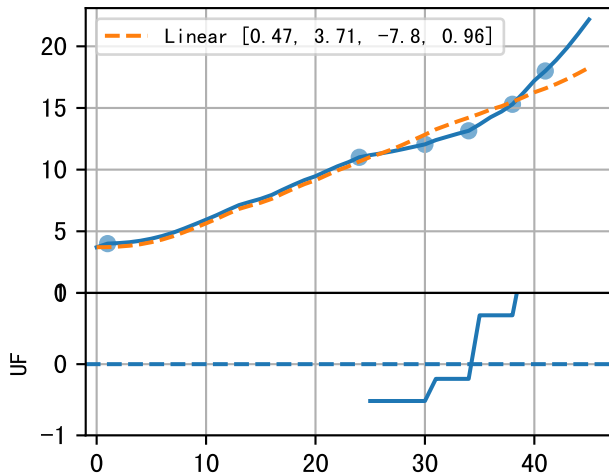


P3-6-038-21

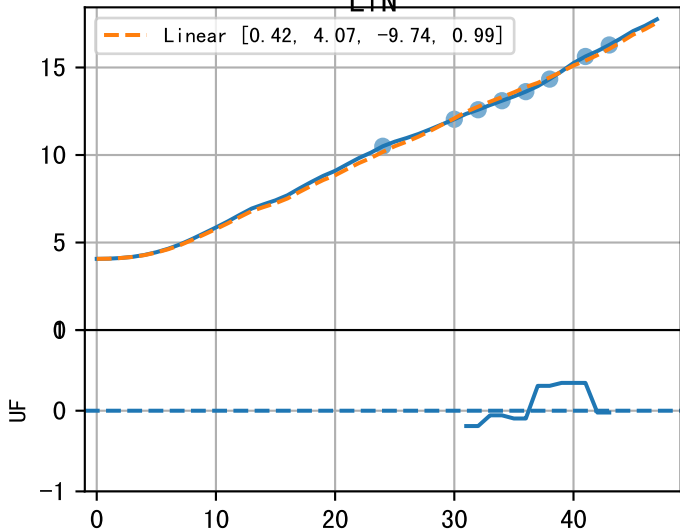


P3-6-042-4

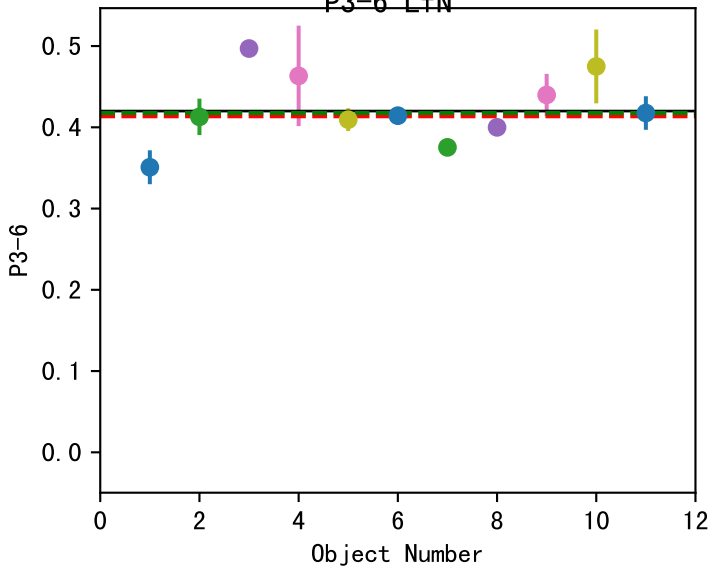
LfN



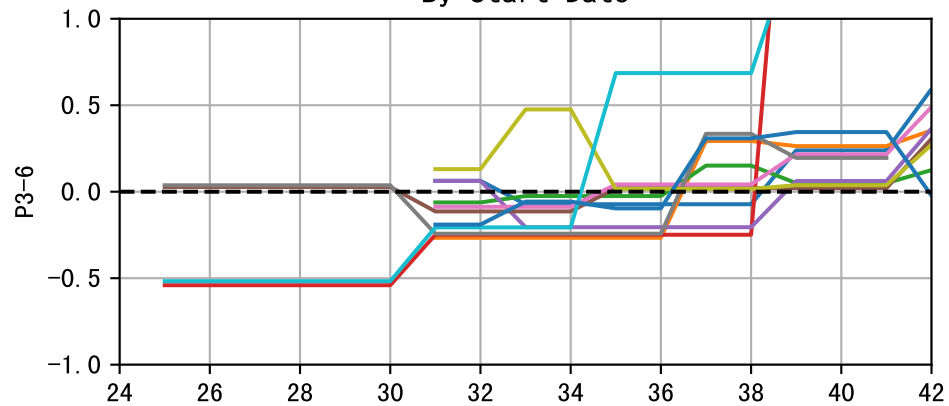
P3-6avg
Lfn



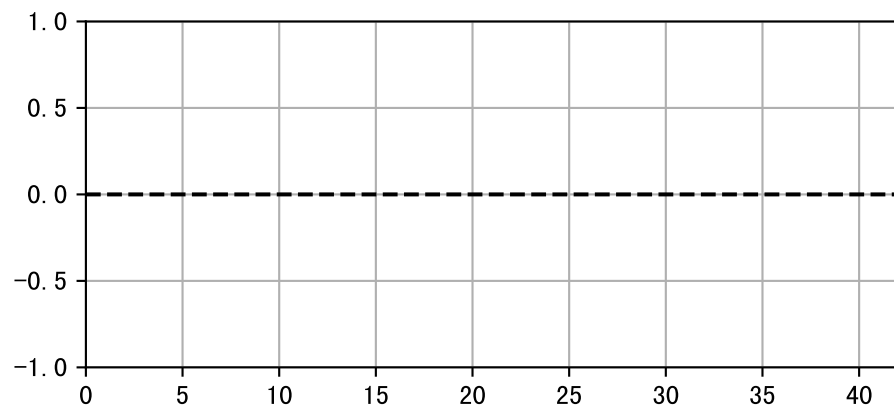
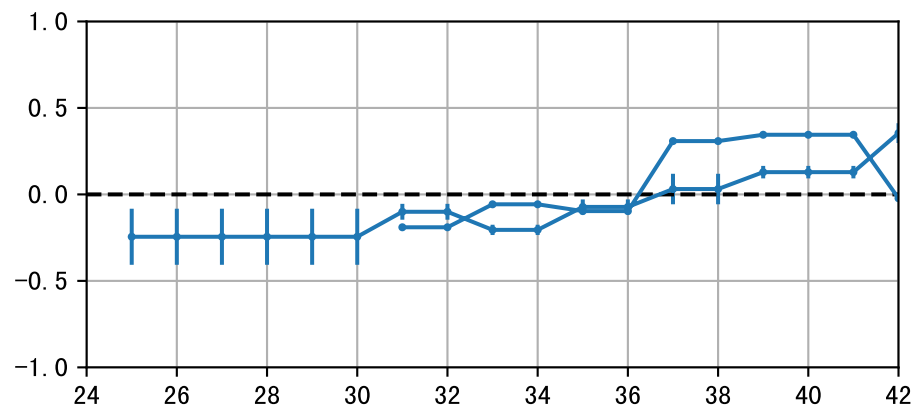
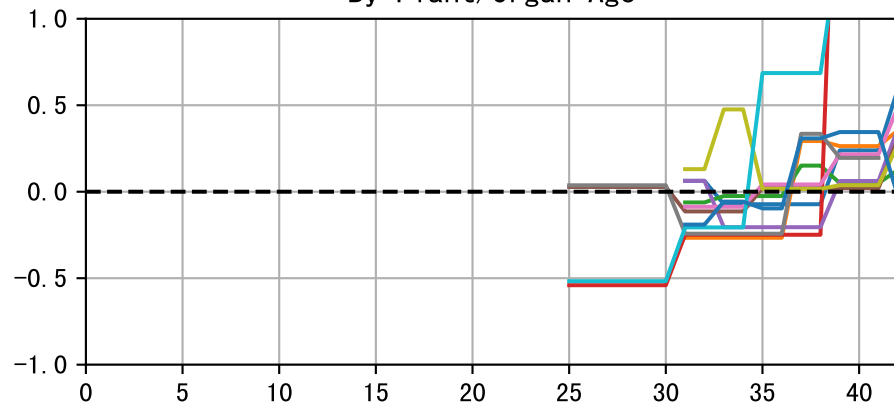
a (Def=0.42 Set=0.42)
avg1=0.41~11% avg2=0.42~16%
P3-6 LfN



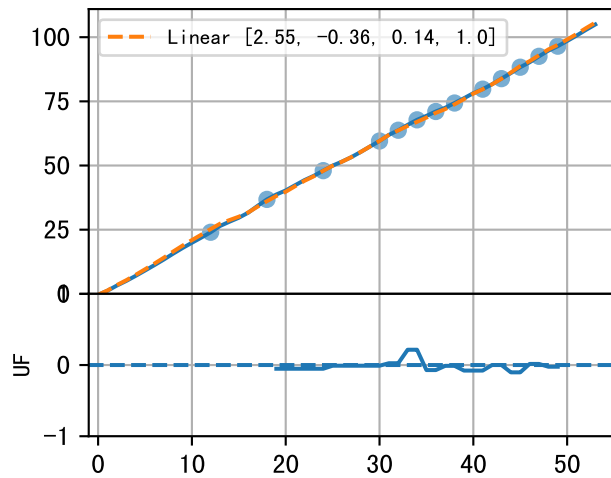
By Start Date



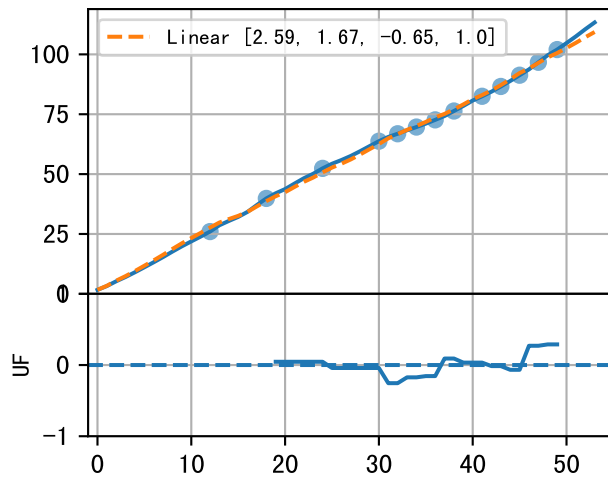
By Plant/Organ Age



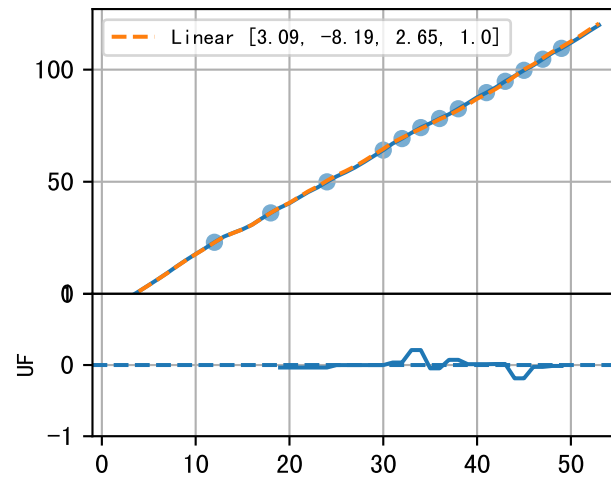
P3-6-003-24



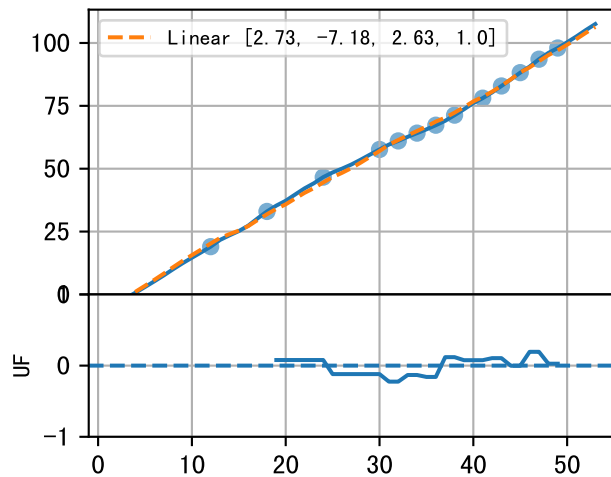
P3-6-007-11



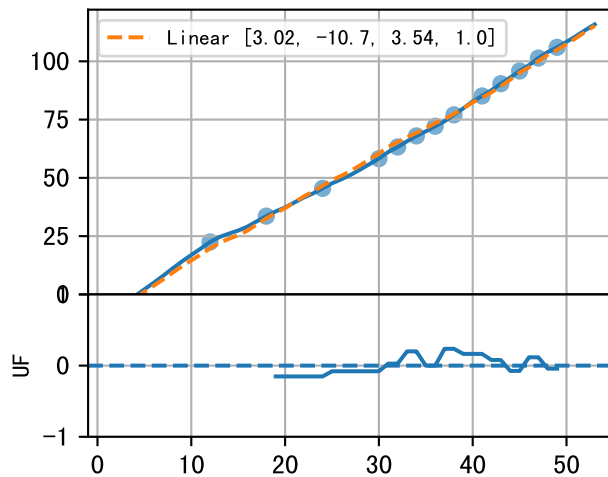
P3-6-011-7



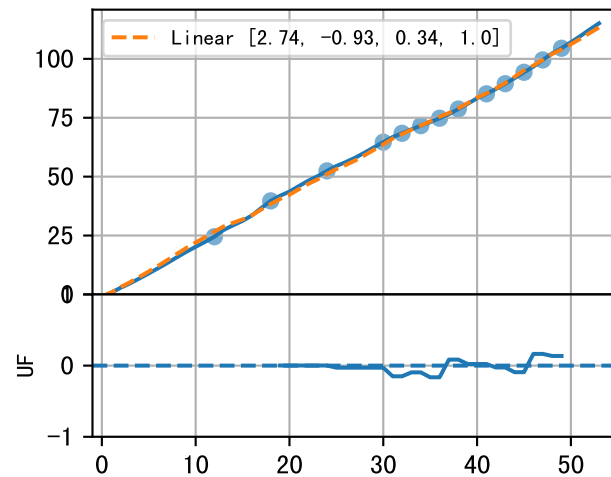
P3-6-015-30



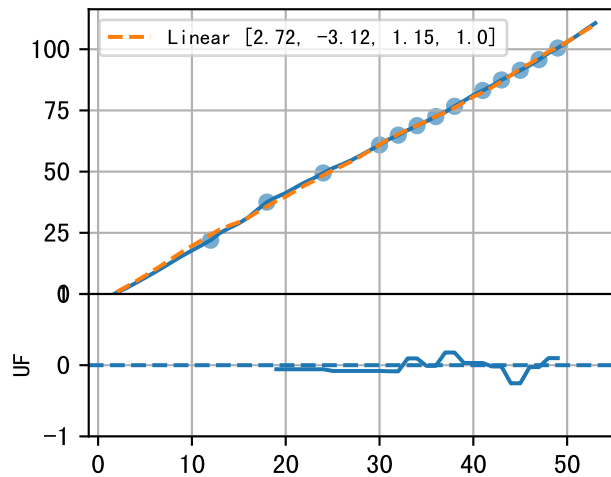
P3-6-019-12



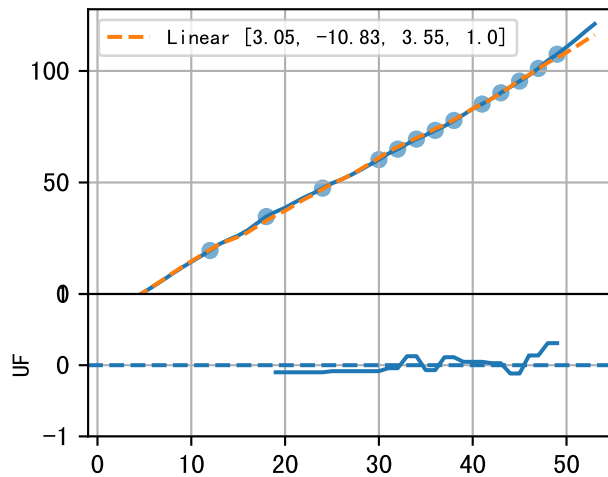
P3-6-024-25



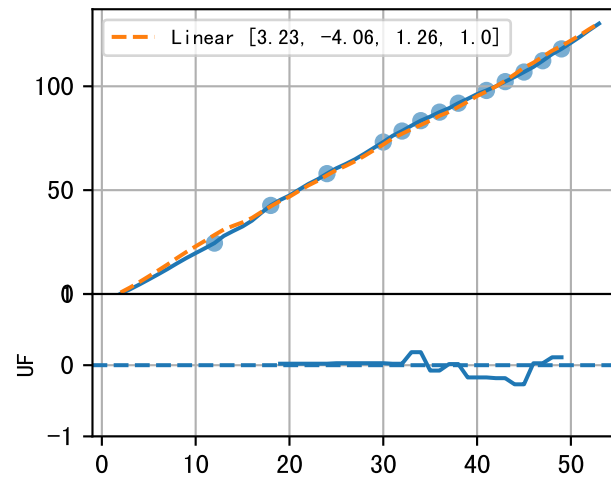
P3-6-028-32



P3-6-033-9

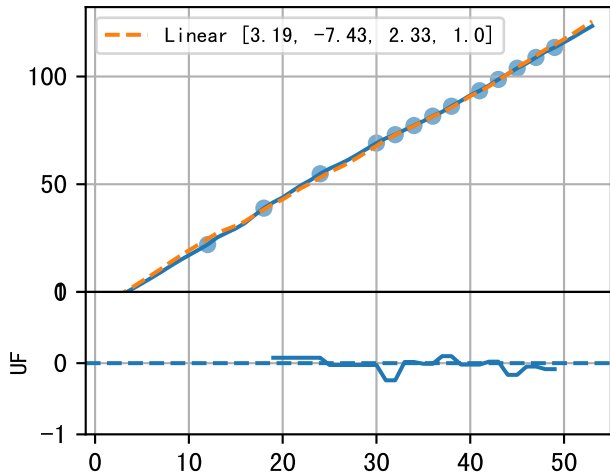


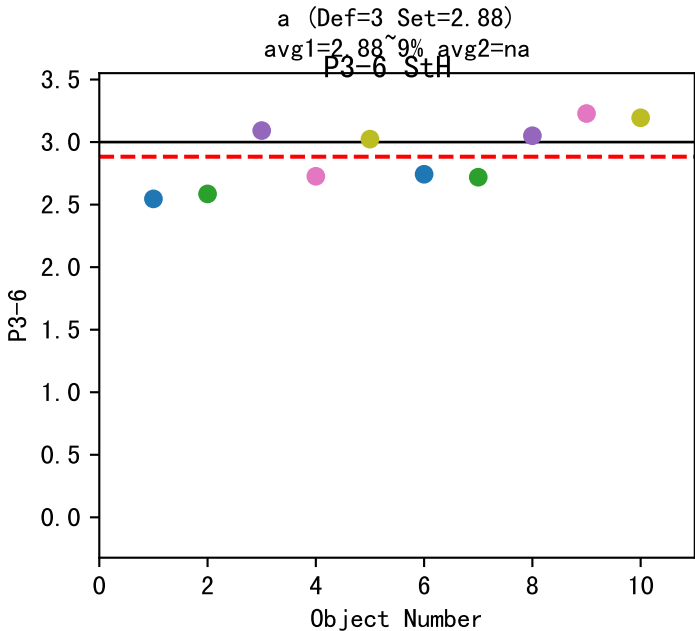
P3-6-038-21



P3-6-042-4

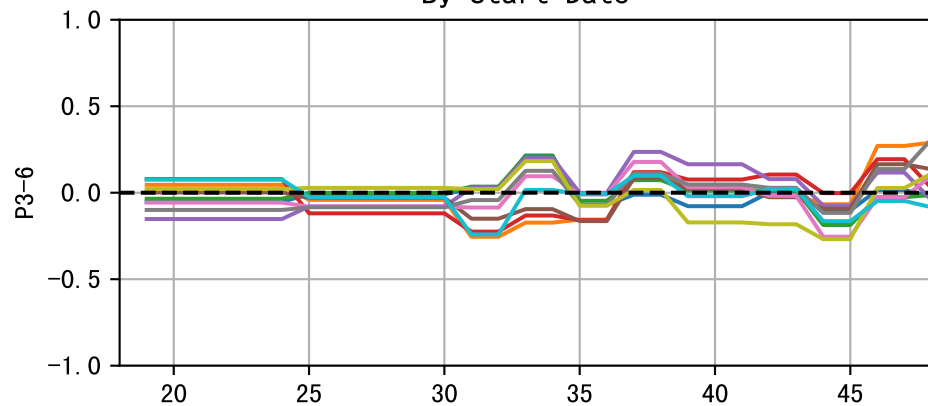
StH



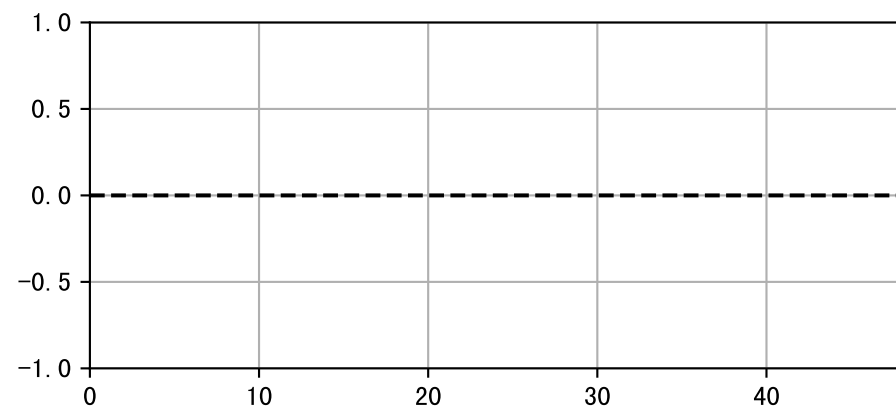
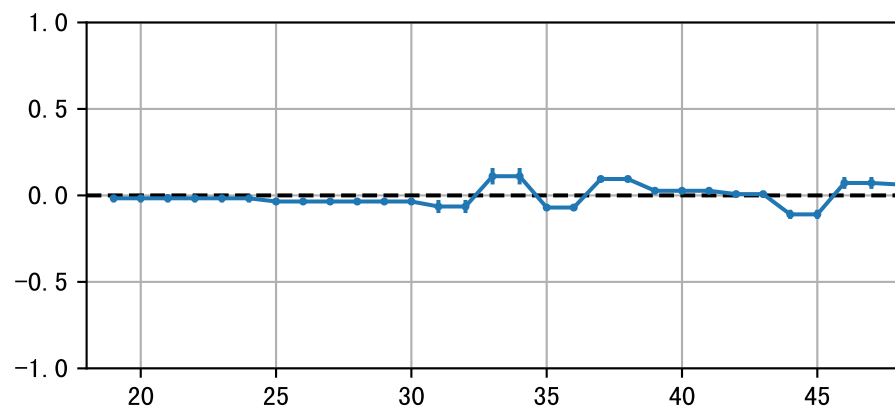
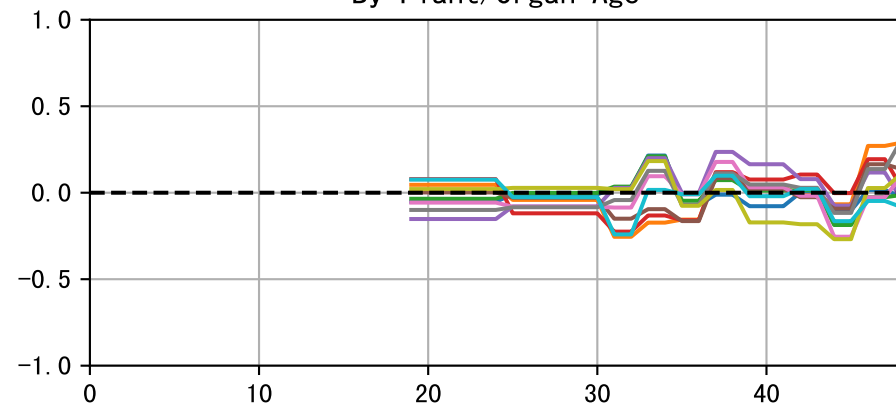


StH

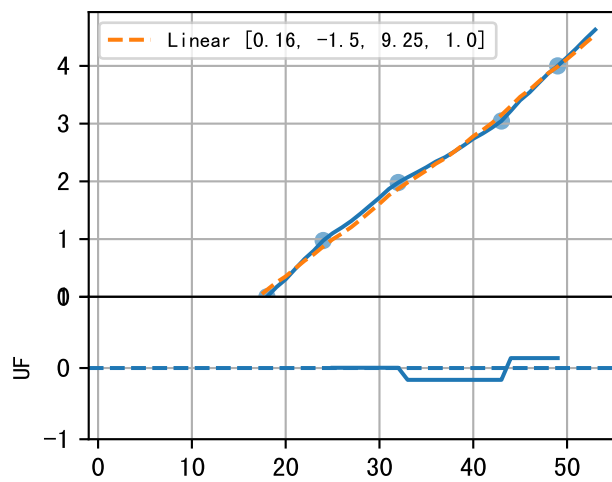
By Start Date



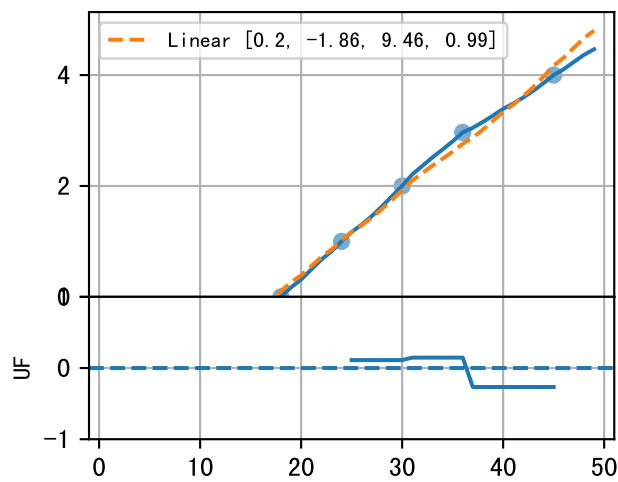
By Plant/Organ Age



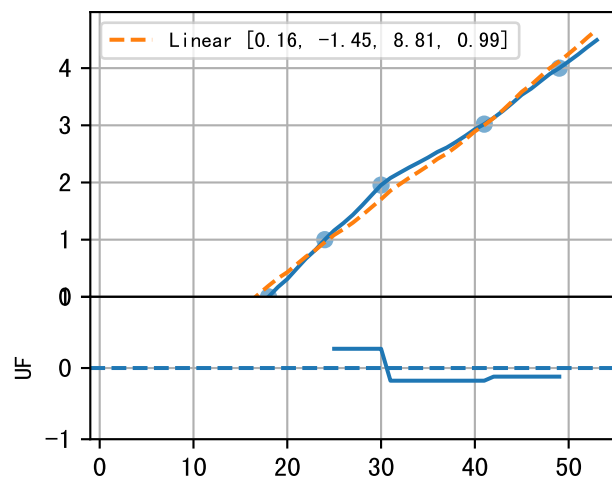
P3-6-003-24



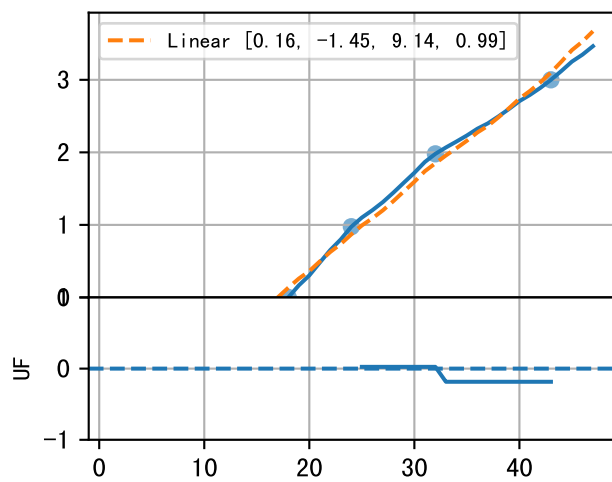
P3-6-007-11



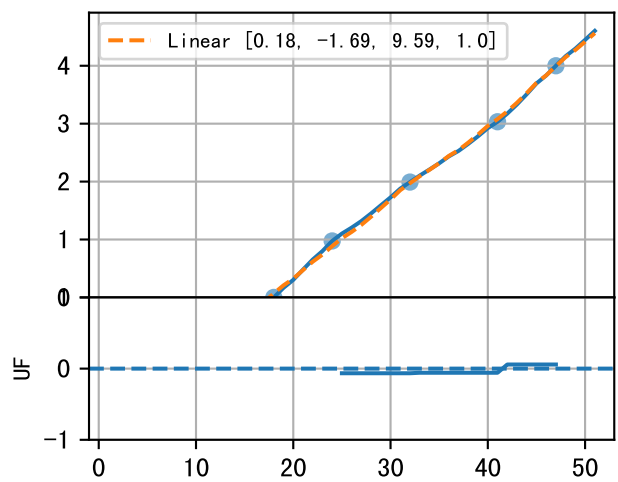
P3-6-011-7



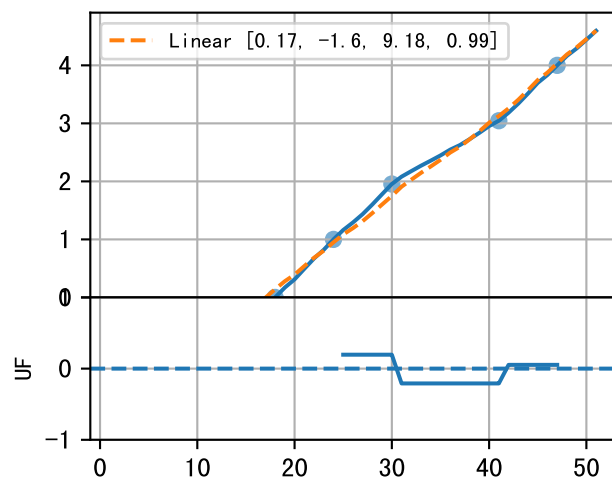
P3-6-015-30



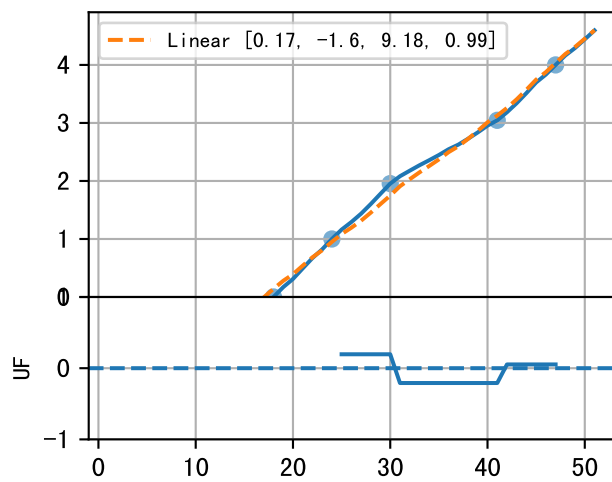
P3-6-019-12



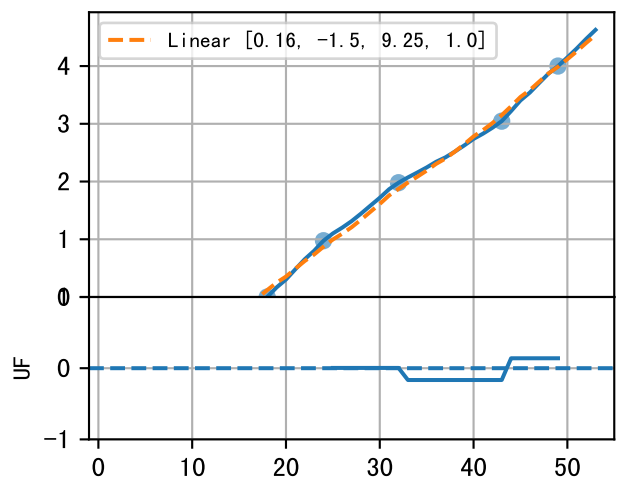
P3-6-024-25



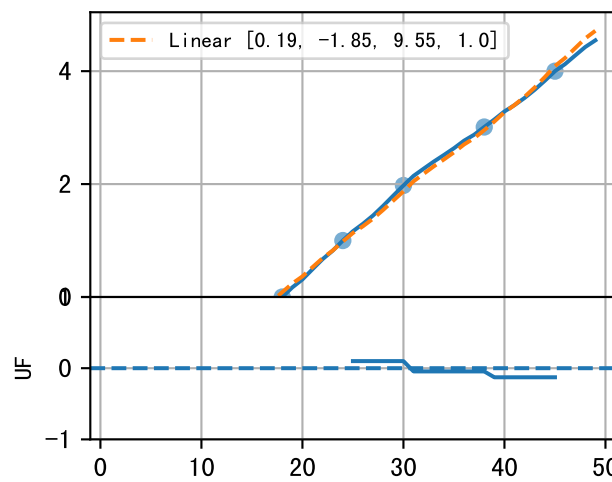
P3-6-028-32



P3-6-033-9

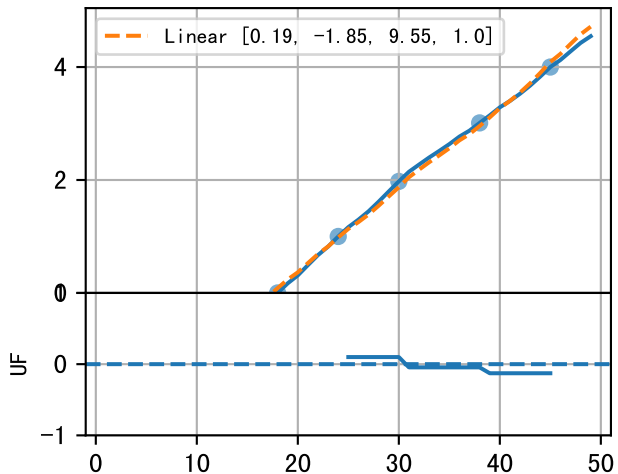


P3-6-038-21

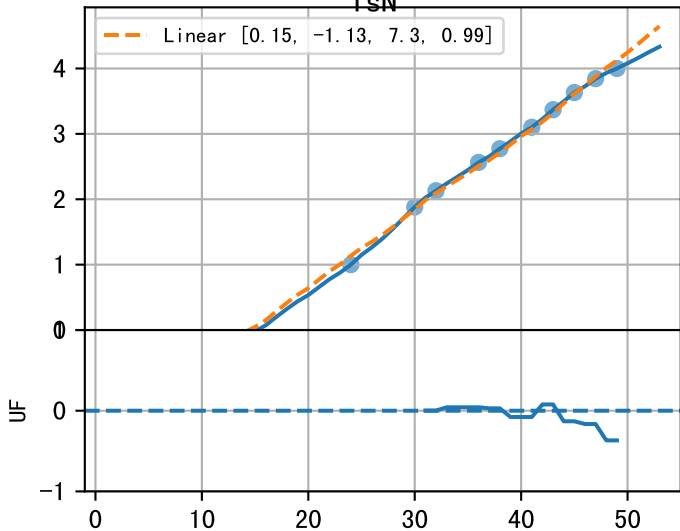


P3-6-042-4

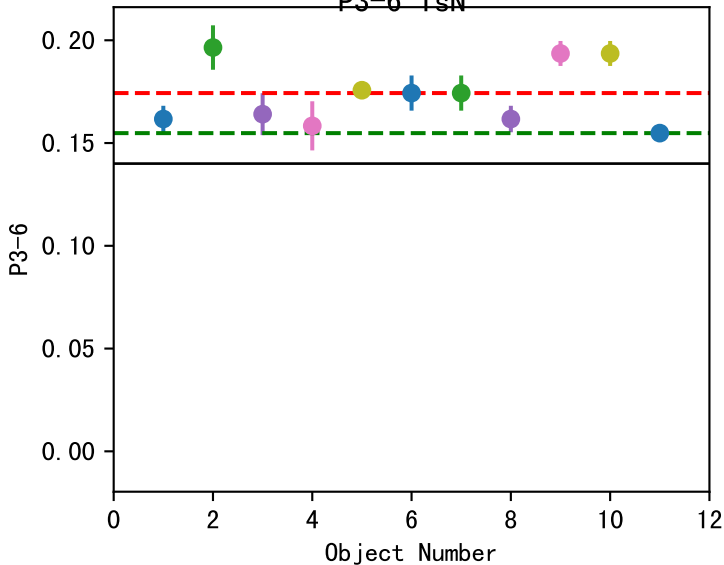
TsN



P3-6avg
T_{SN}

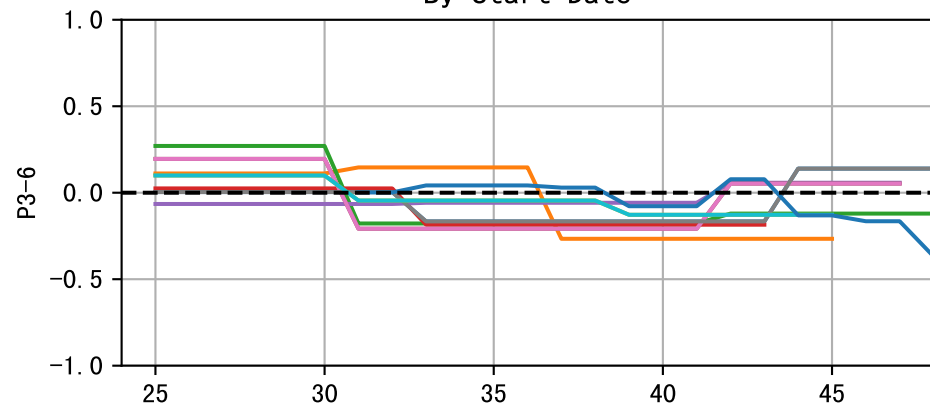


a (Def=0.14 Set=0.15)
avg1=0.17 $\sim$ 8% avg2=0.15 $\sim$ 8%
P3-6 TSN

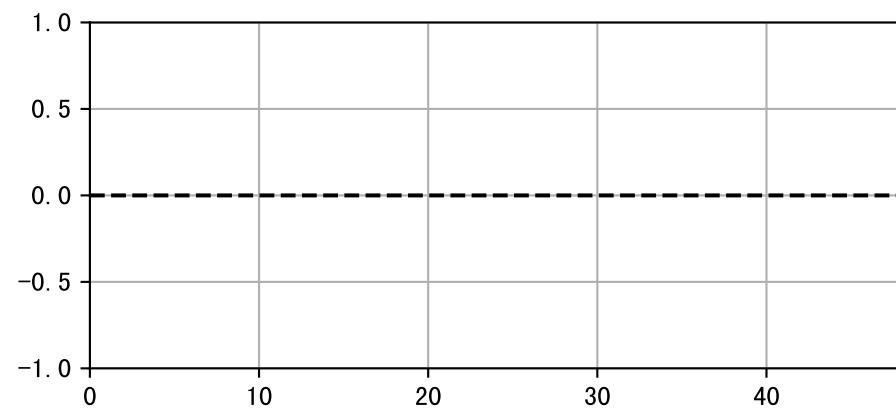
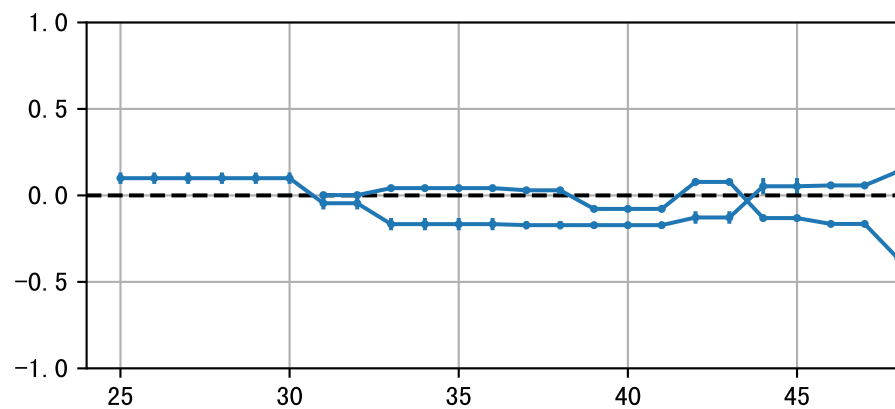
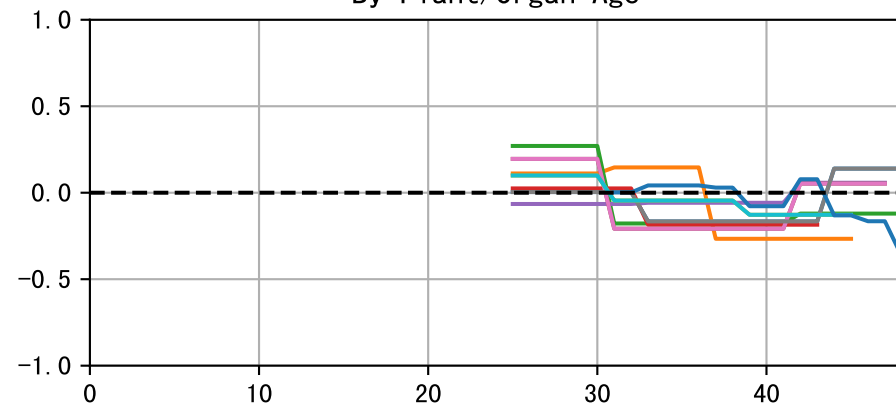


TsN

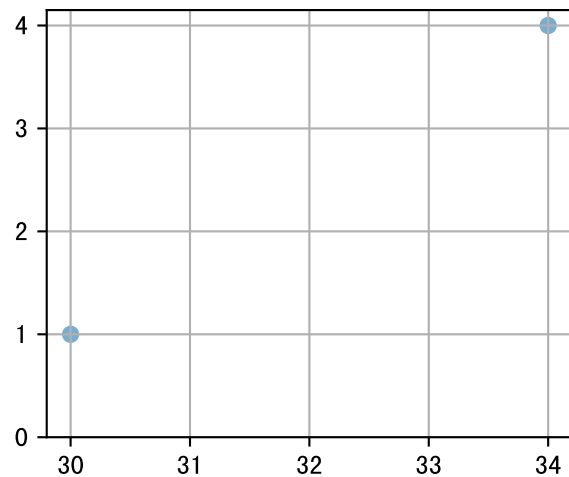
By Start Date



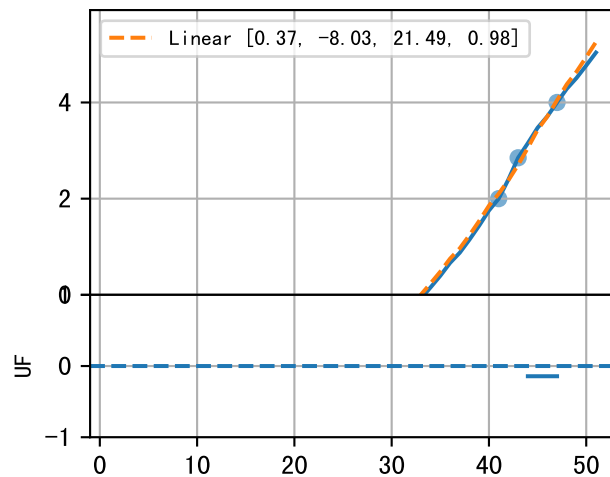
By Plant/Organ Age



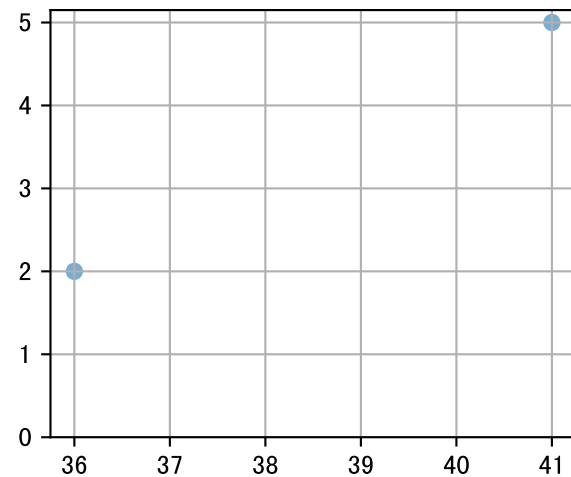
P3-6-003-24T1 (fit failed)



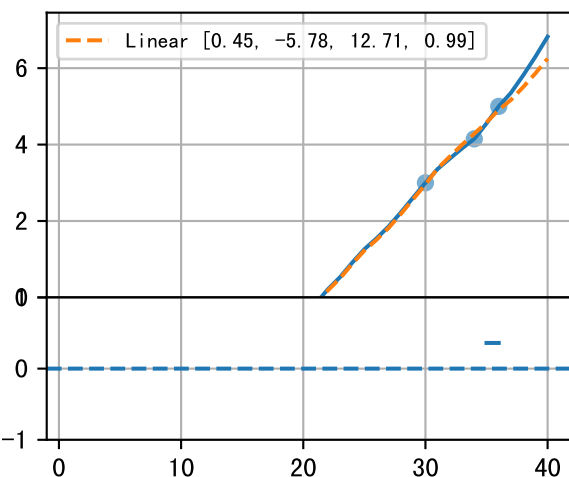
P3-6-003-24T2



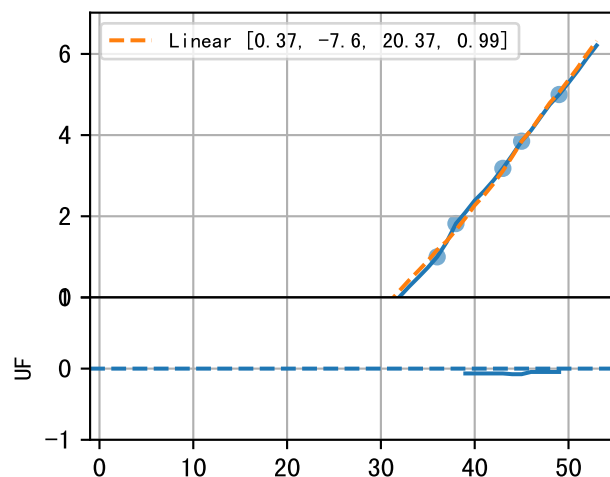
P3-6-007-11T2 (fit failed)



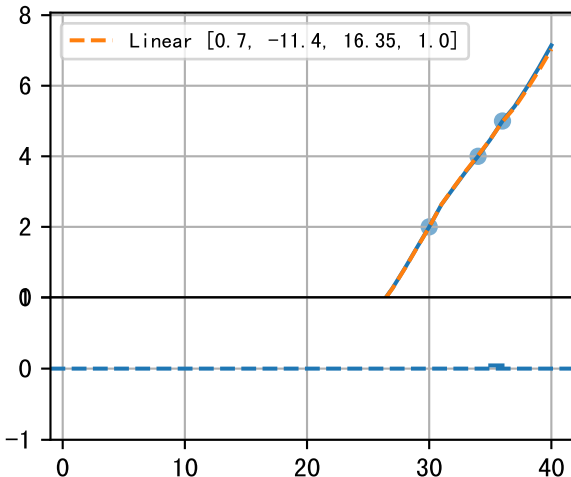
P3-6-011-7T1



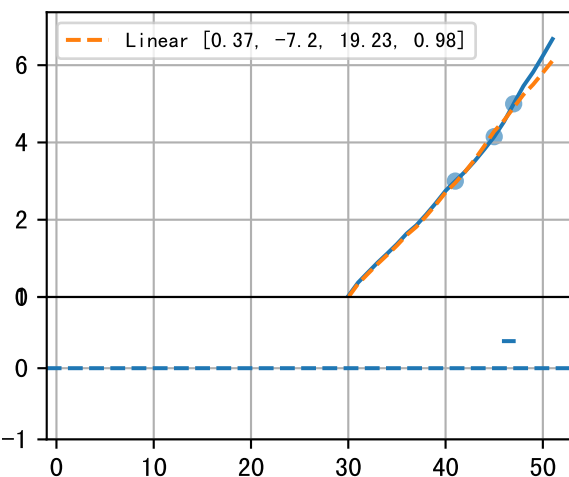
P3-6-011-7T2



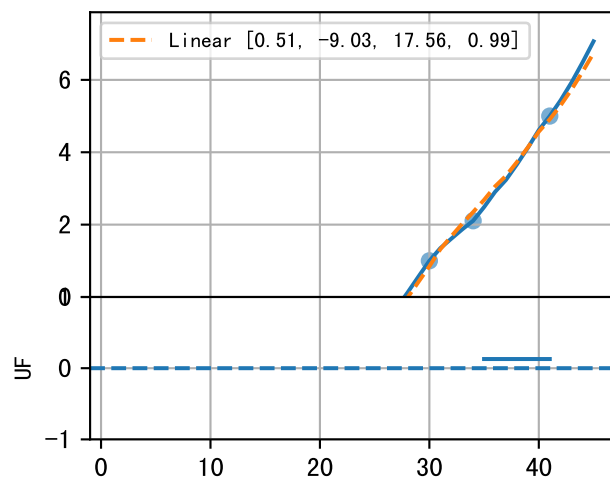
P3-6-015-30T1



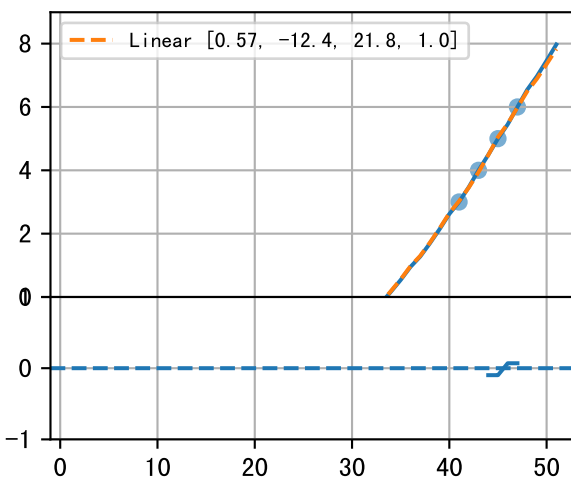
P3-6-015-30T2



P3-6-019-12T1

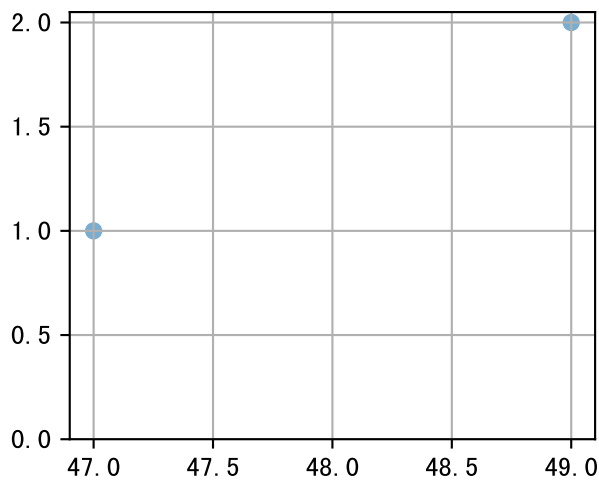


P3-6-019-12T2

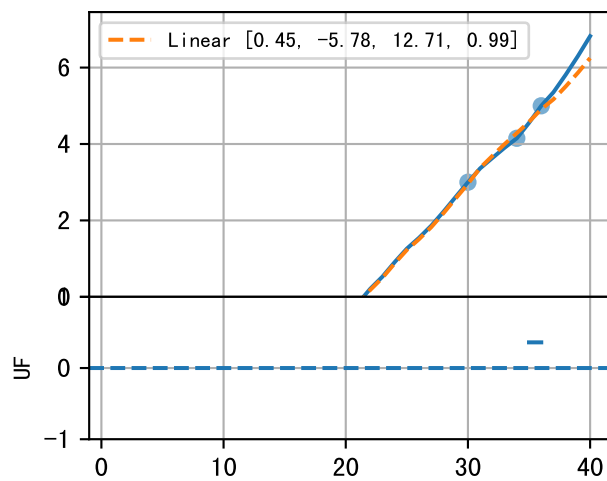


ErN

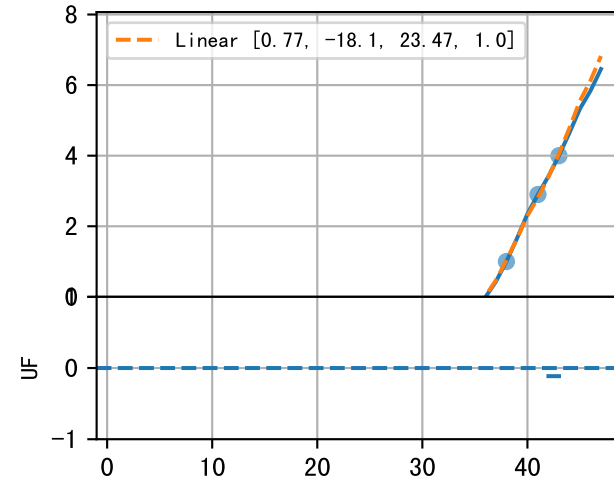
P3-6-019-12T3 (fit failed)



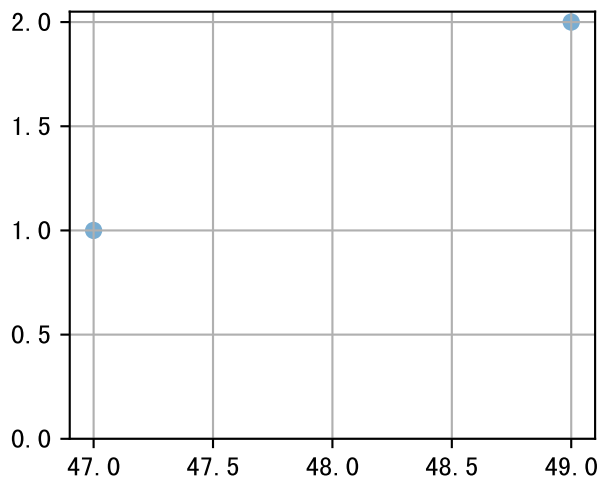
P3-6-024-25T1



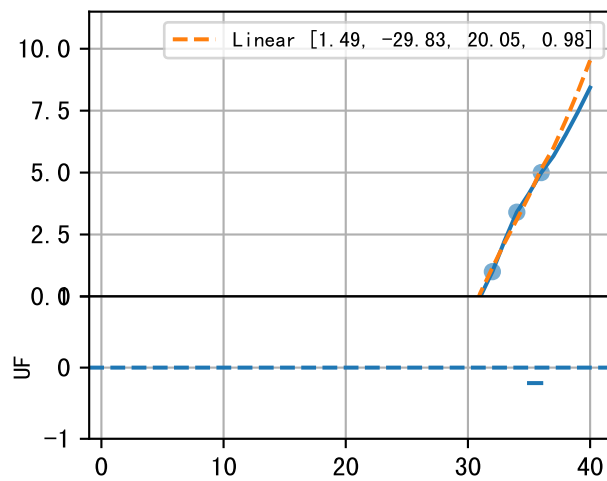
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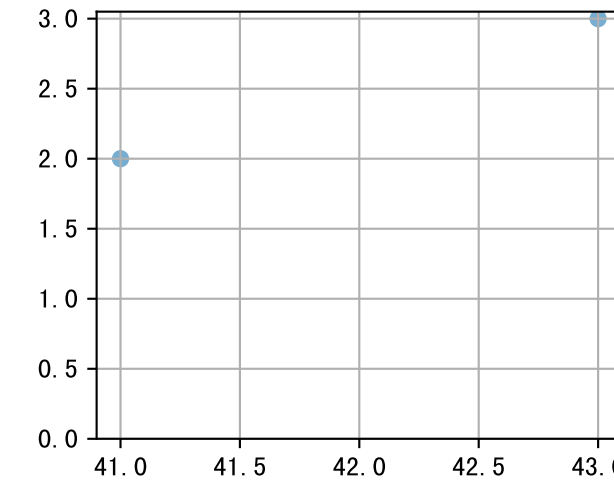
P3-6-024-25T3 (fit failed)



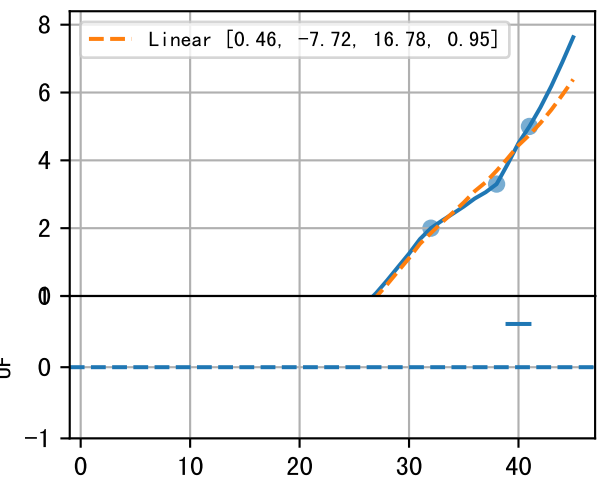
P3-6-028-32T1



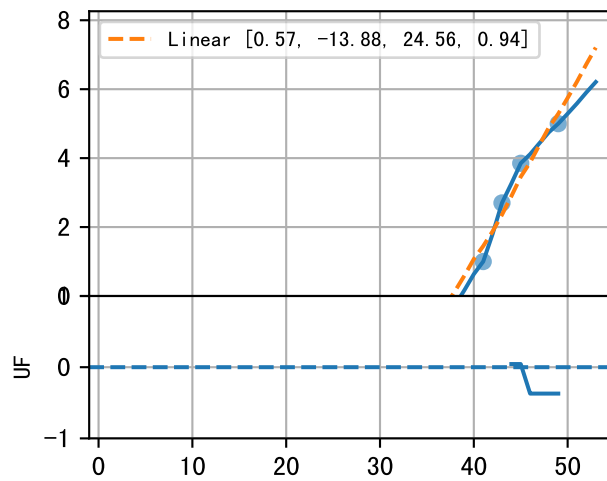
P3-6-028-32T2 (fit failed)



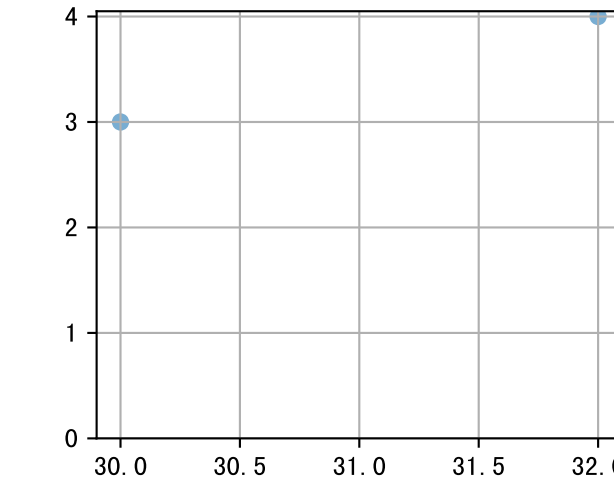
P3-6-033-9T1



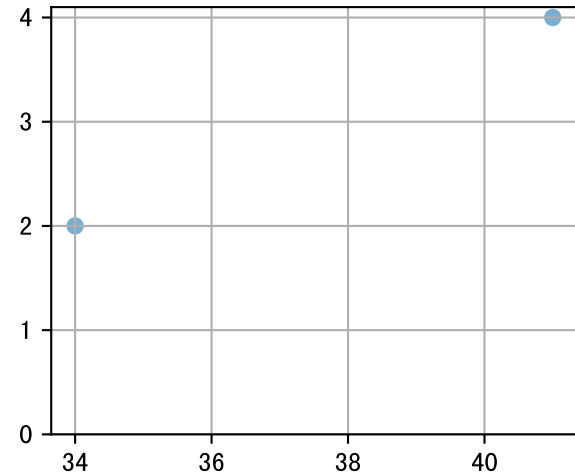
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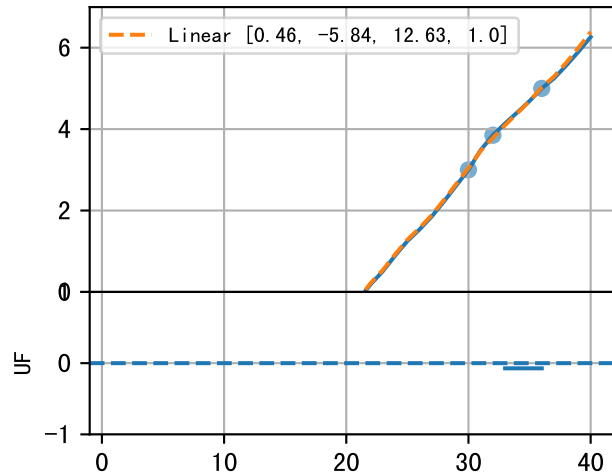
P3-6-038-21T1 (fit failed)



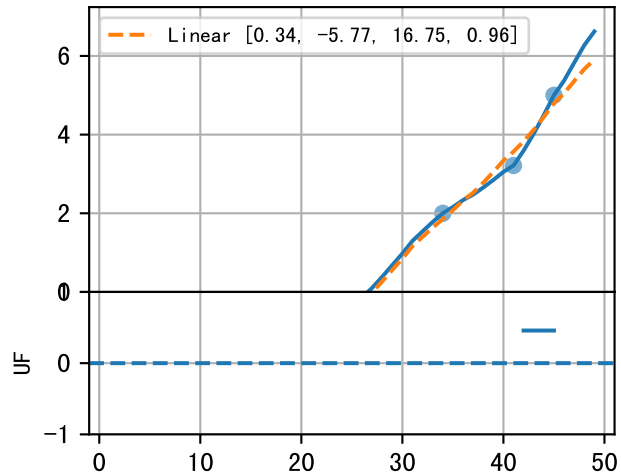
P3-6-038-21T2 (fit failed)



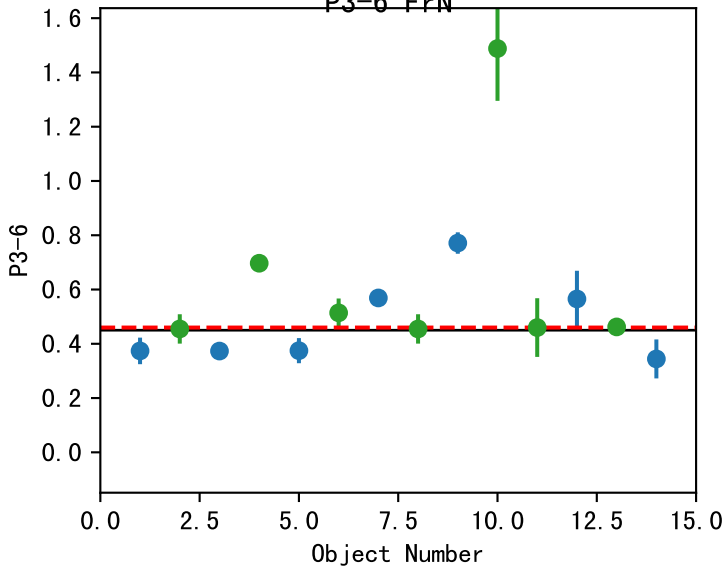
P3-6-042-4T1



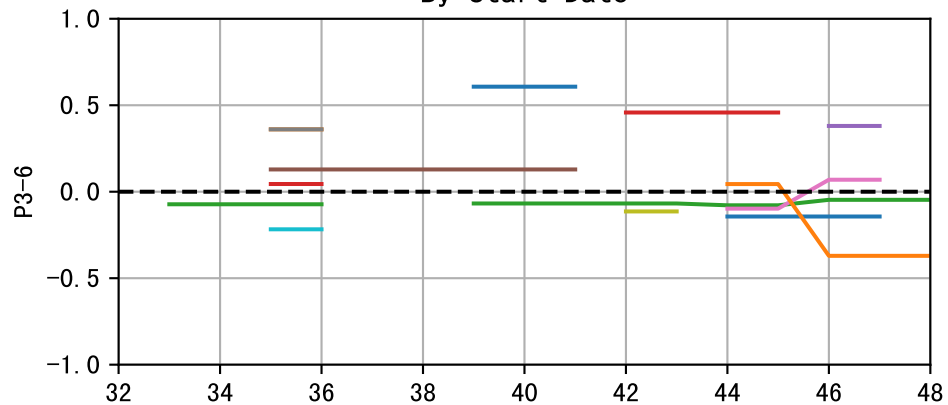
P3-6-042-4T2



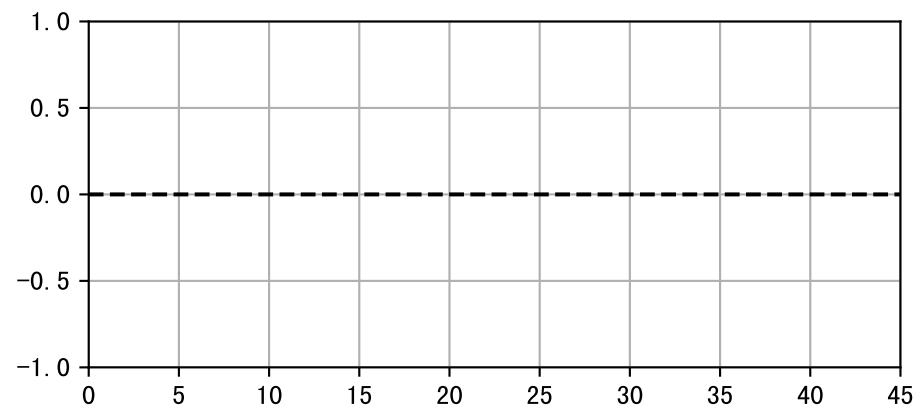
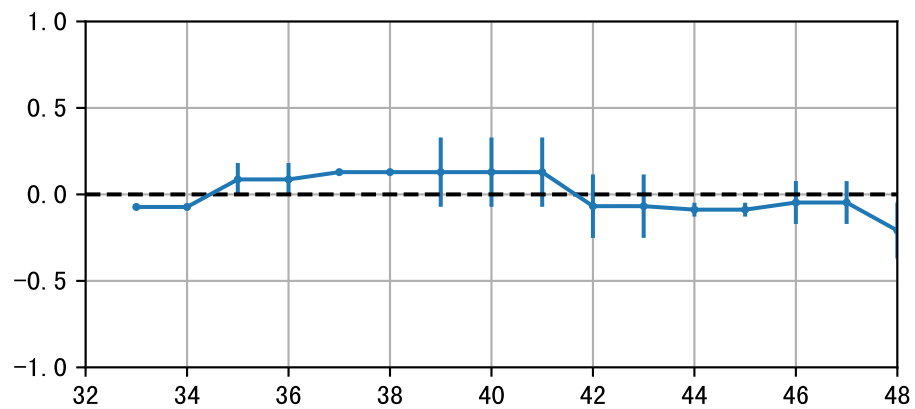
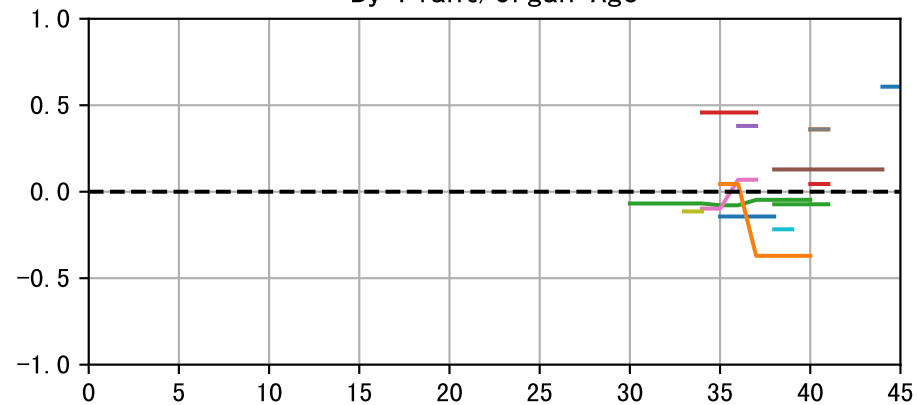
a (Def=0.45 Set=0.46)
avg1=0.46^{±28%} avg2=na
P3-6 FrN



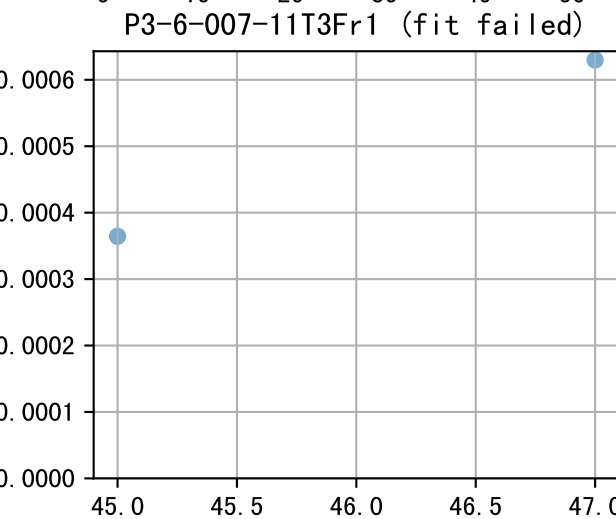
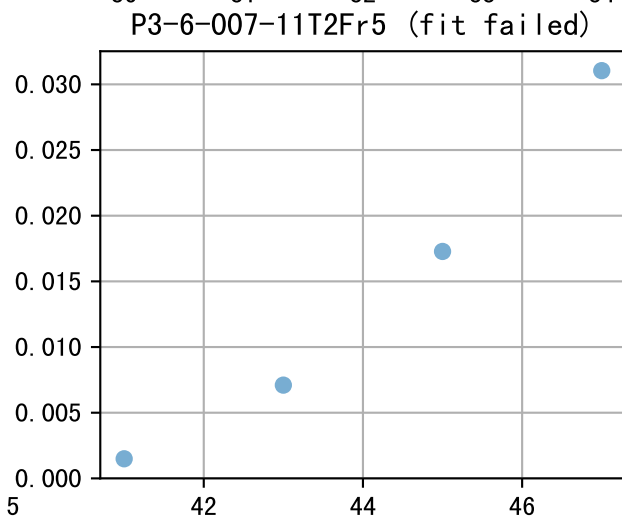
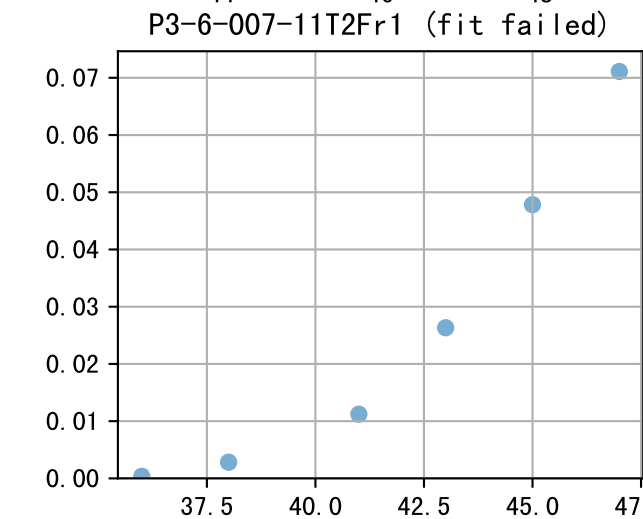
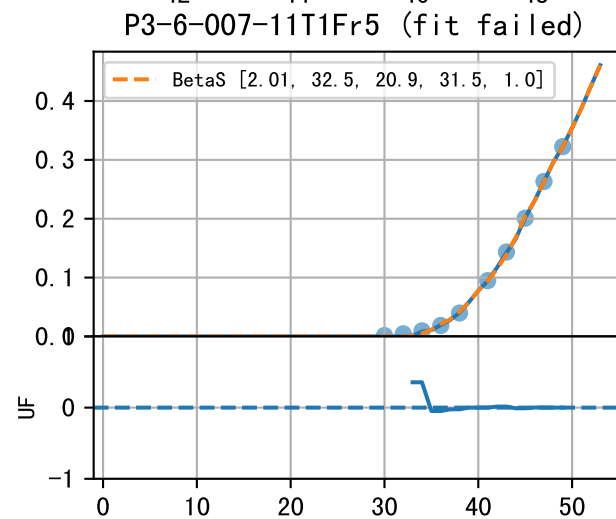
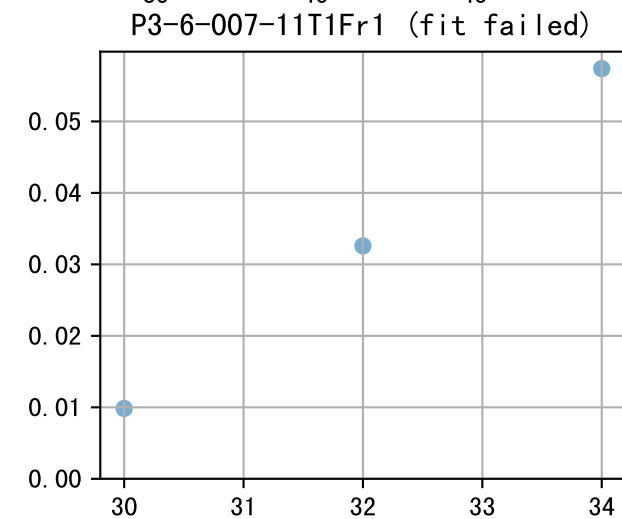
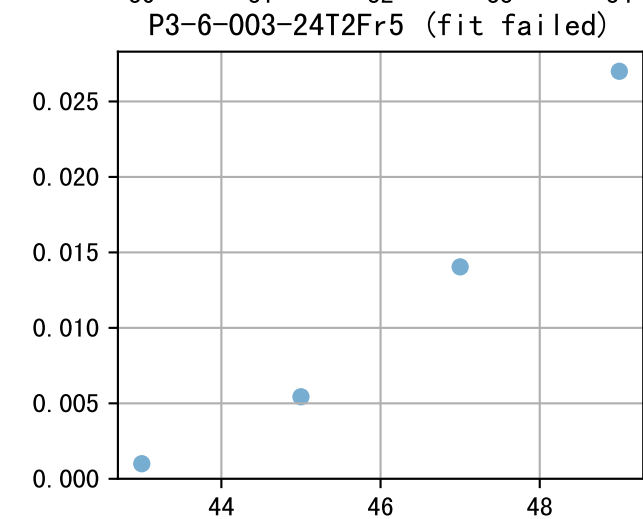
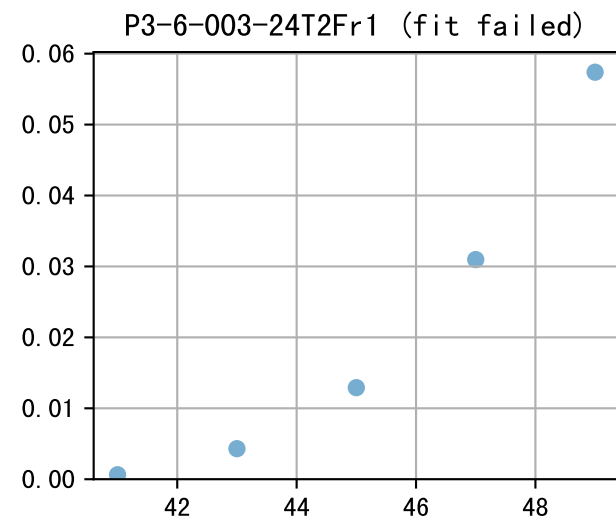
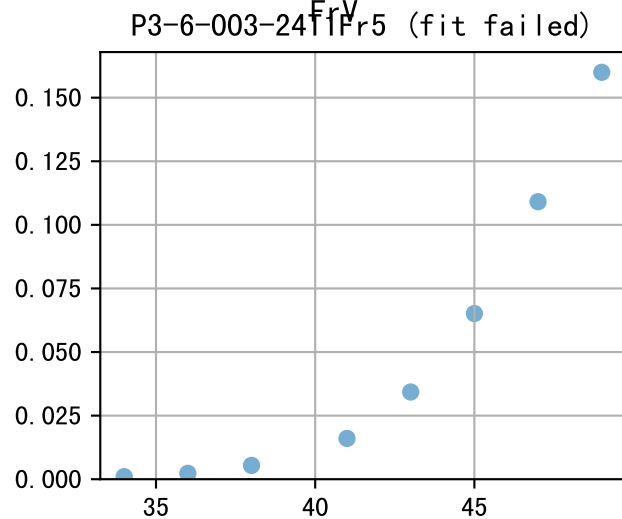
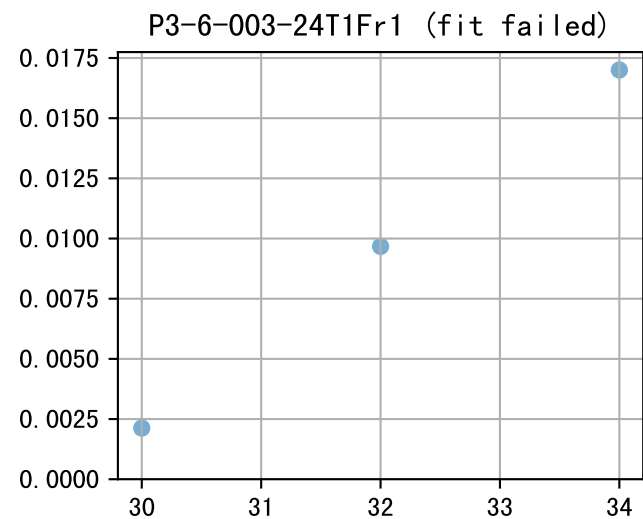
By Start Date



By Plant/Organ Age

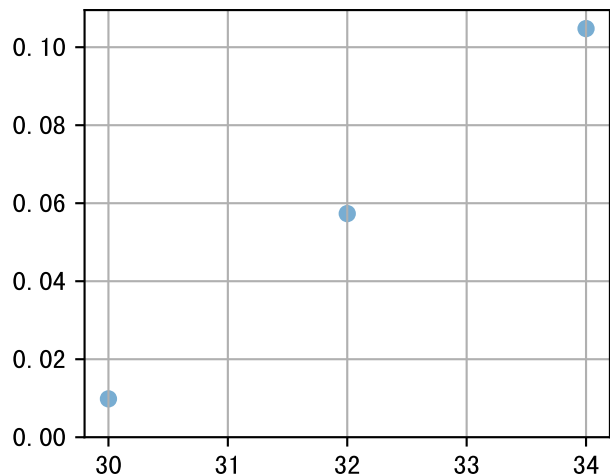


FrV

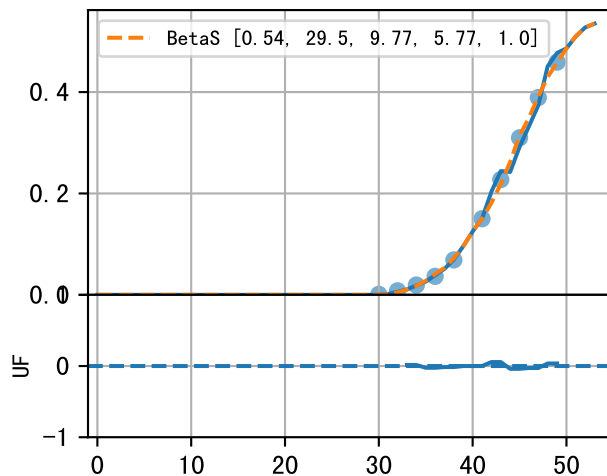


Fr_Y

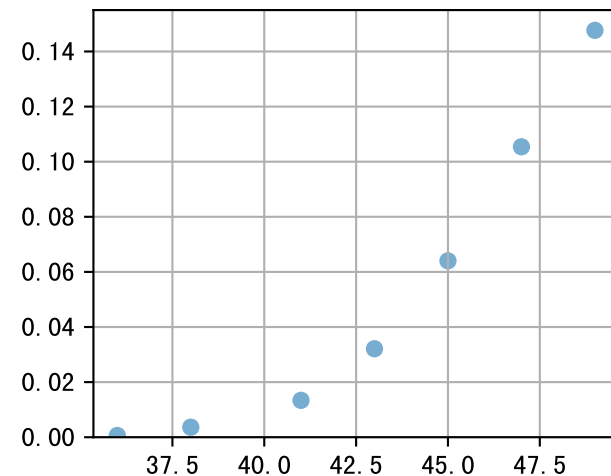
P3-6-011-7T1Fr1 (fit failed)



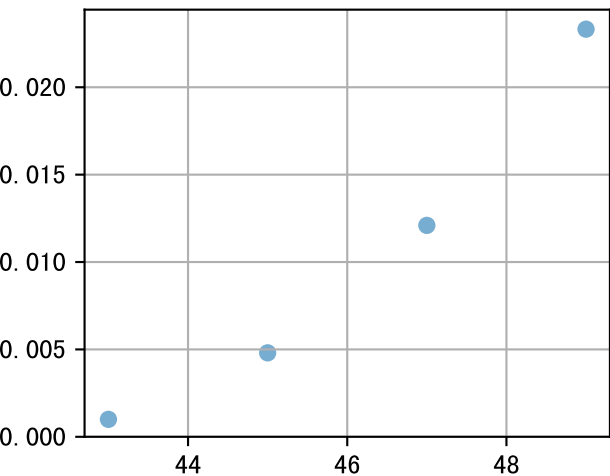
P3-6-011-7T1Fr5



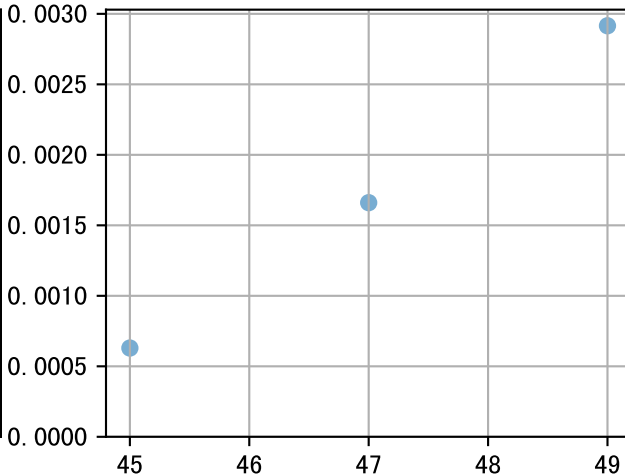
P3-6-011-7T2Fr1 (fit failed)



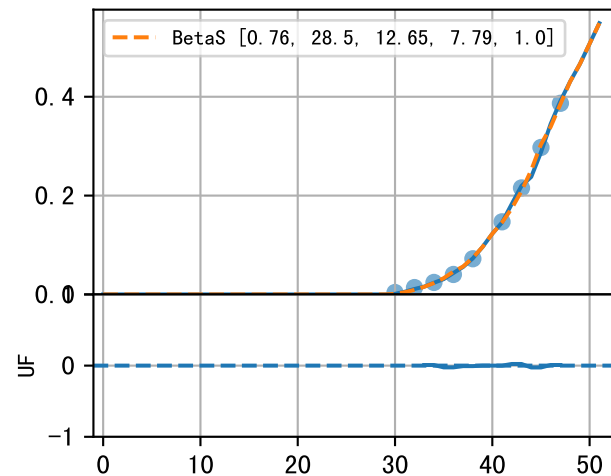
P3-6-011-7T2Fr5 (fit failed)



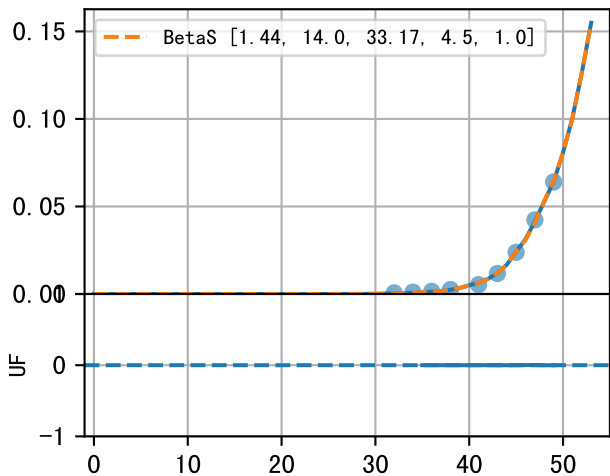
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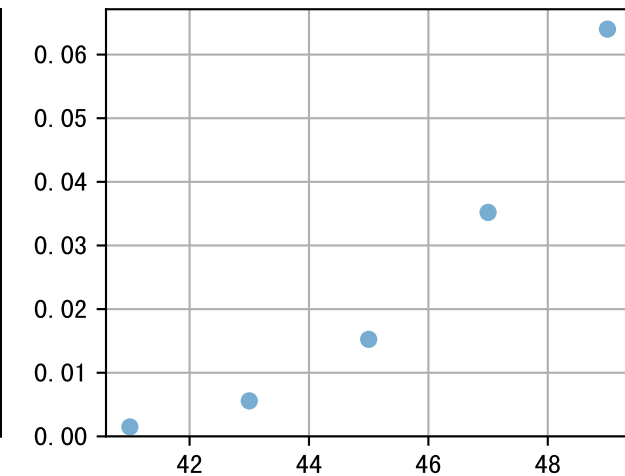
P3-6-015-30T1Fr1



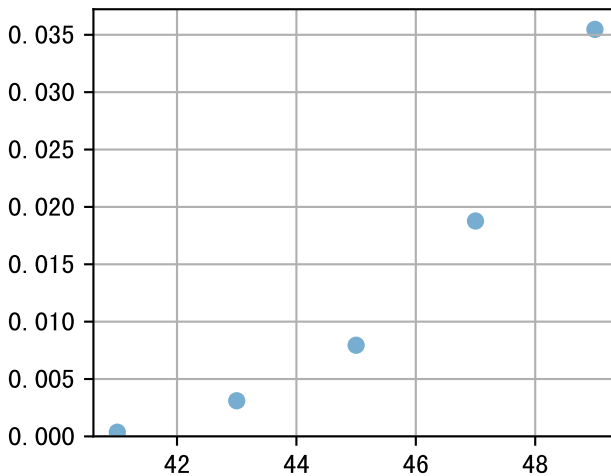
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P3-6-015-30T2Fr1 (fit failed)

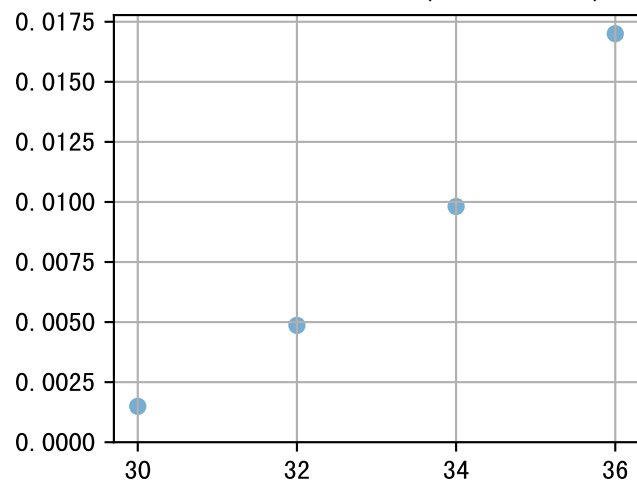


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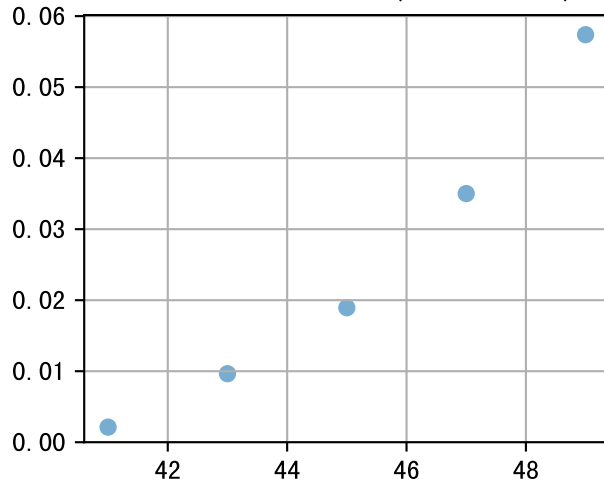


FrV

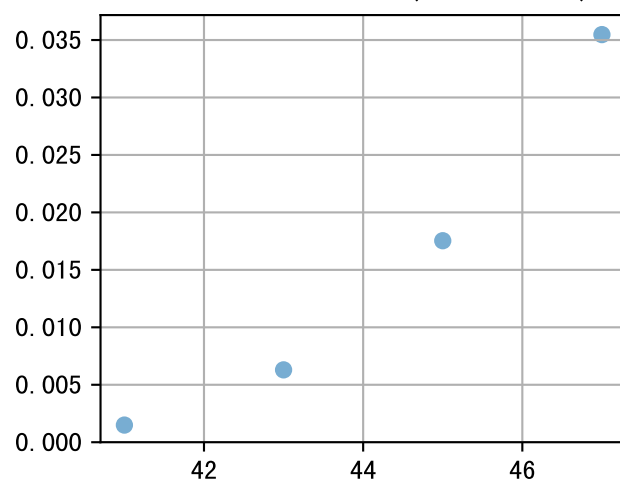
P3-6-019-12T1Fr1 (fit failed)



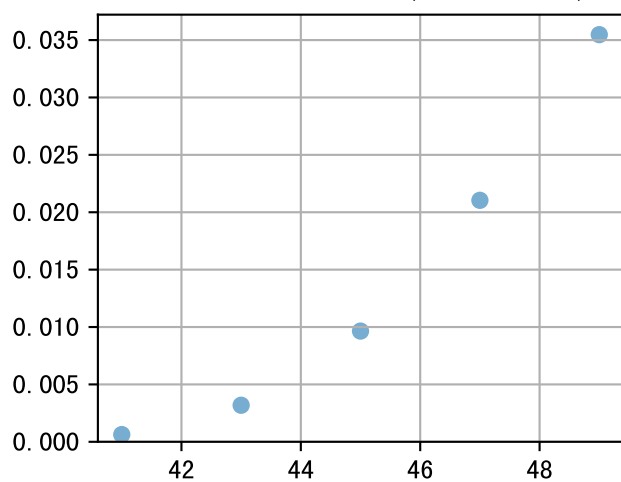
P3-6-019-12T1Fr5 (fit failed)



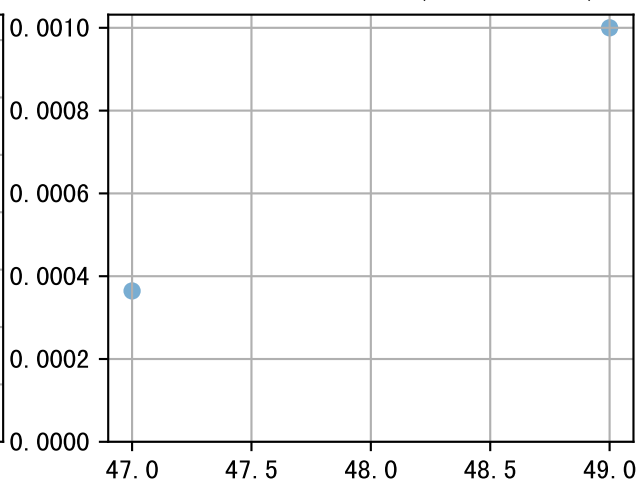
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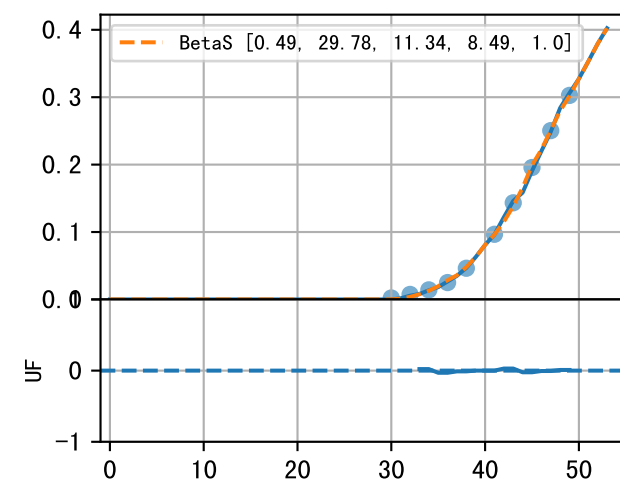
P3-6-019-12T2Fr5 (fit failed)



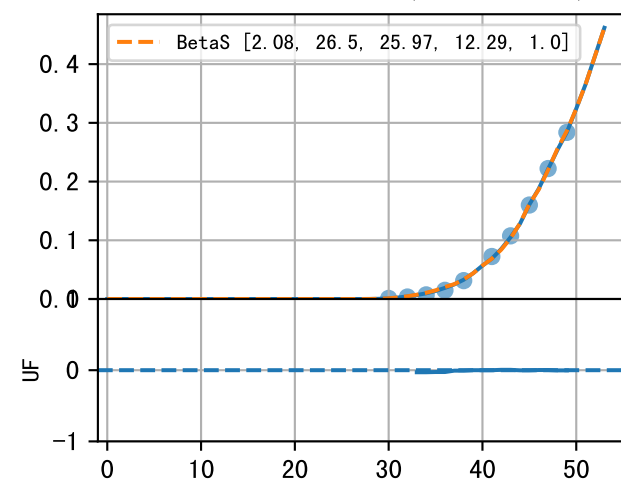
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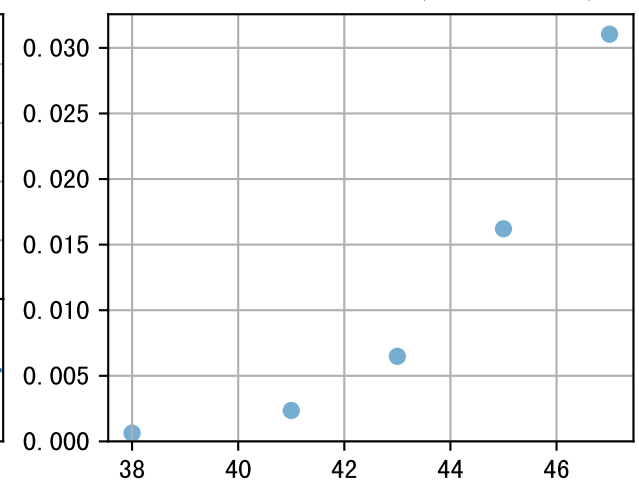
P3-6-024-25T1Fr1



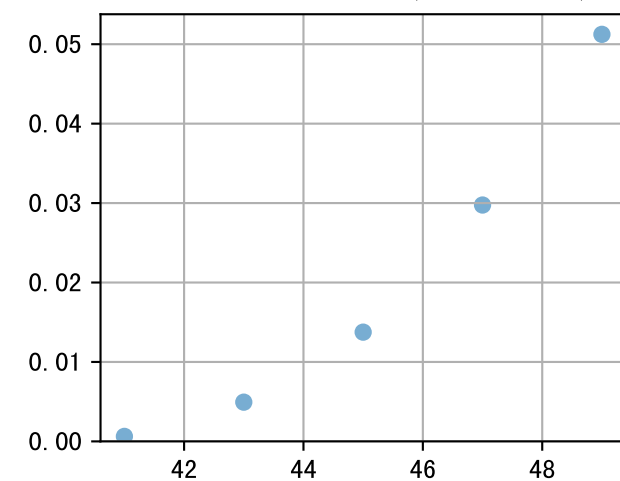
P3-6-024-25T1Fr5 (fit failed)



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

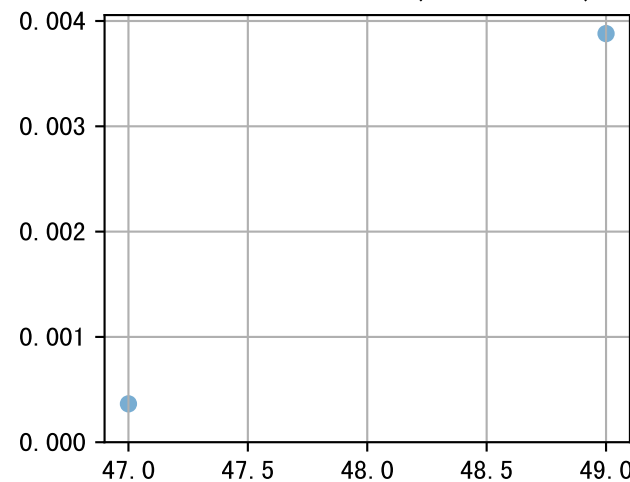


P3-6-024-25T2Fr5 (fit failed)

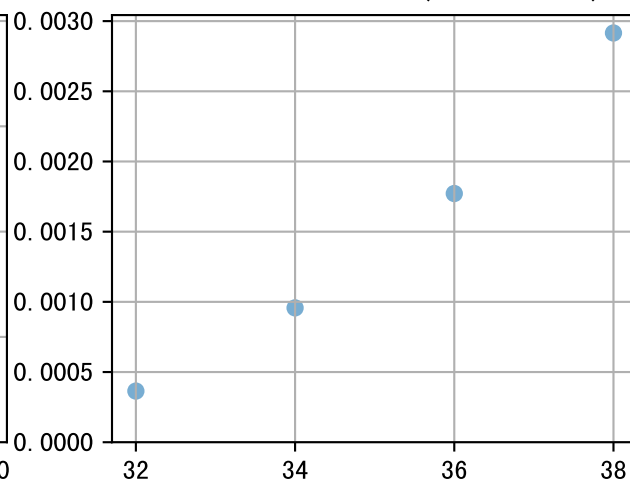


Fr_Y

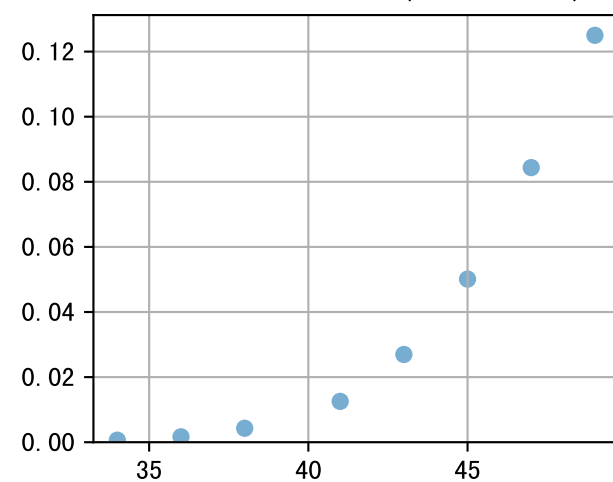
P3-6-024-25T3Fr1 (fit failed)



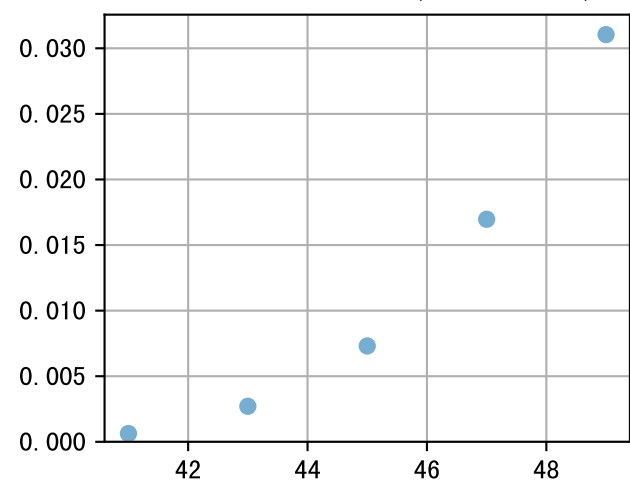
P3-6-028-32T1Fr1 (fit failed)



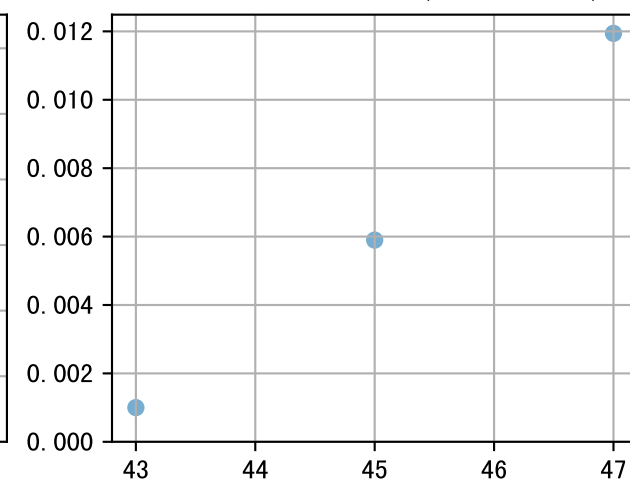
P3-6-028-32T1Fr5 (fit failed)



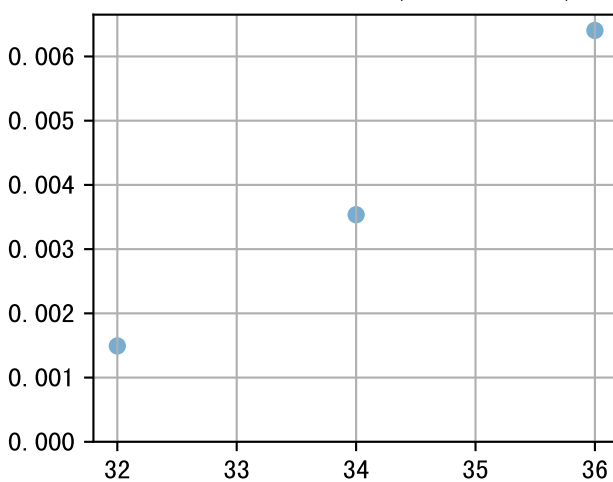
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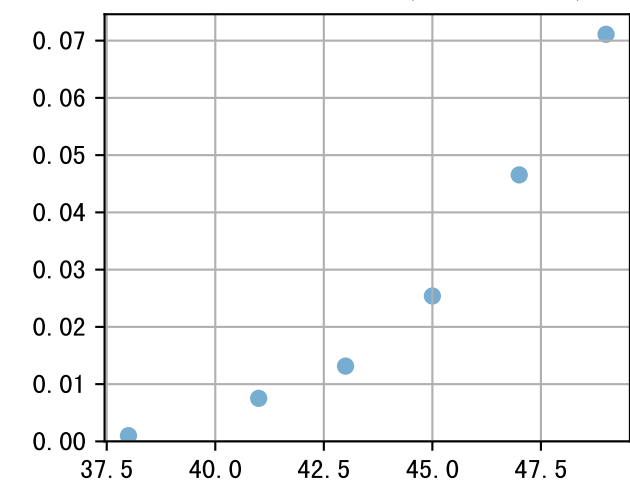
P3-6-028-32T2Fr5 (fit failed)



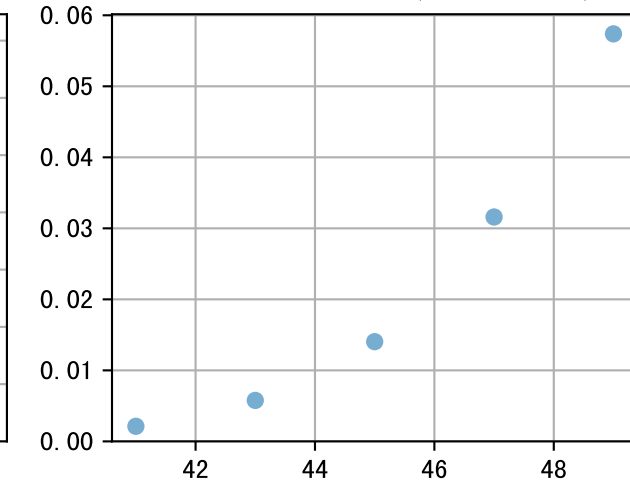
P3-6-033-9T1Fr1 (fit failed)



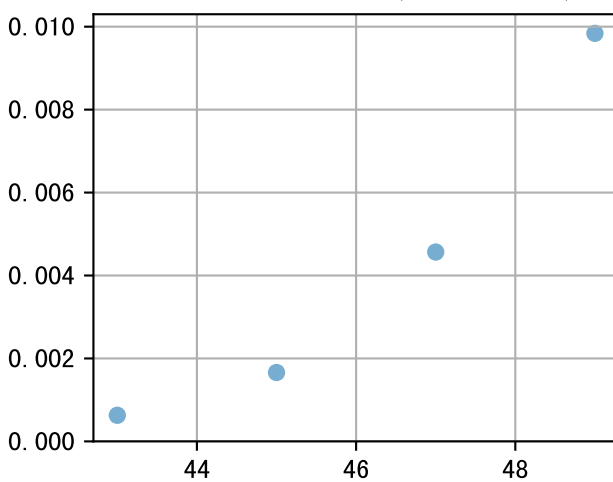
P3-6-033-9T1Fr5 (fit failed)



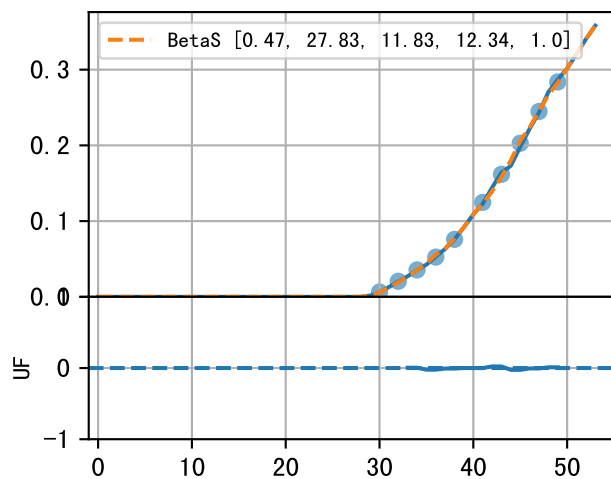
P3-6-033-9T2Fr1 (fit failed)



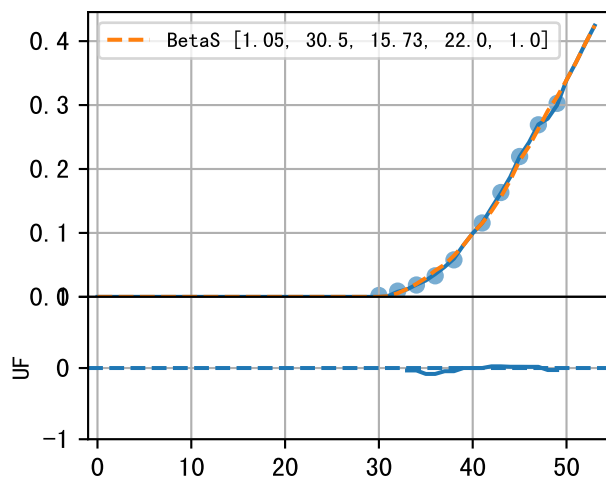
P3-6-033-9T2Fr5 (fit failed)



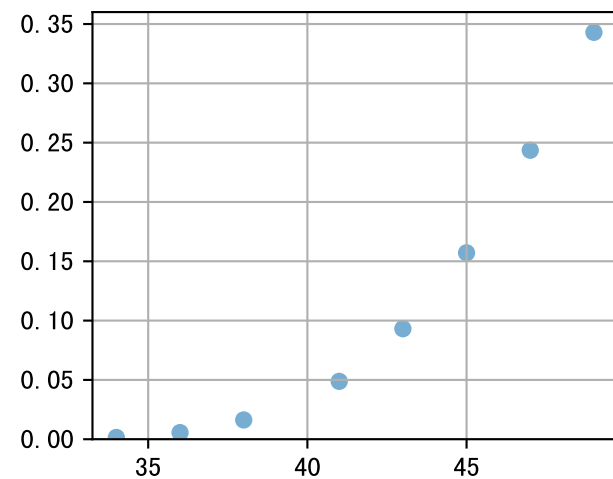
P3-6-038-21T1Fr1



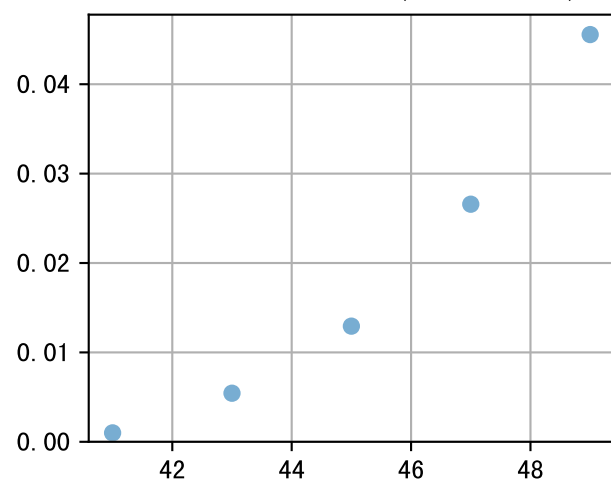
P3-6-038-21T1Fr5 (fit failed)



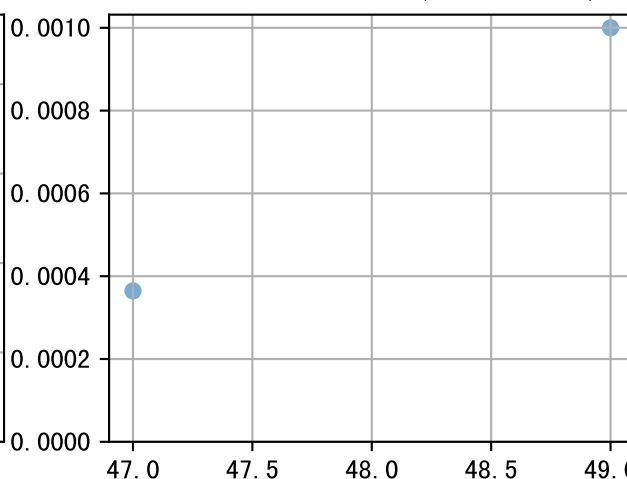
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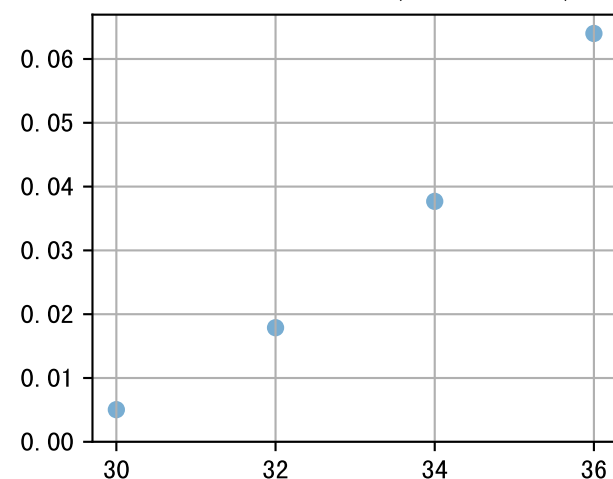
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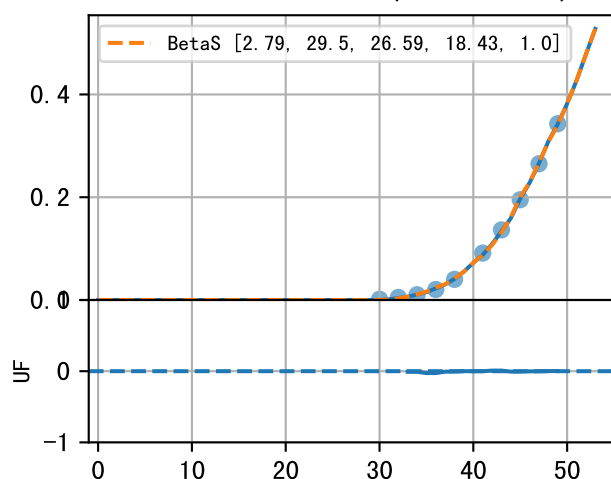
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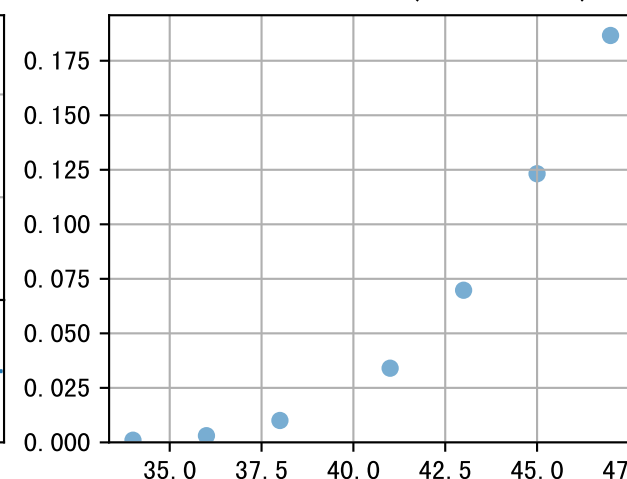
P3-6-042-4T1Fr1 (fit failed)



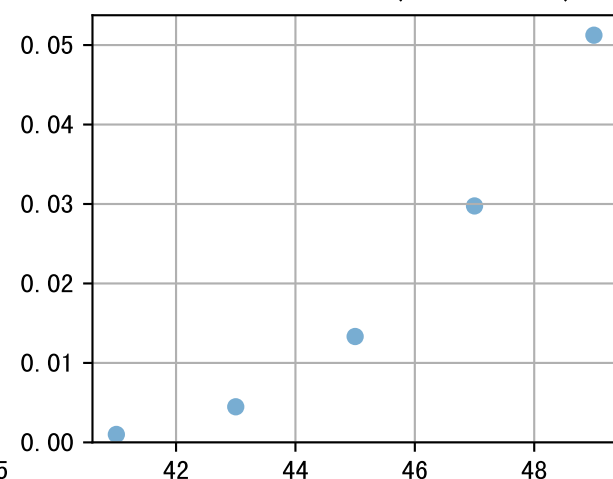
P3-6-042-4T1Fr5 (fit failed)

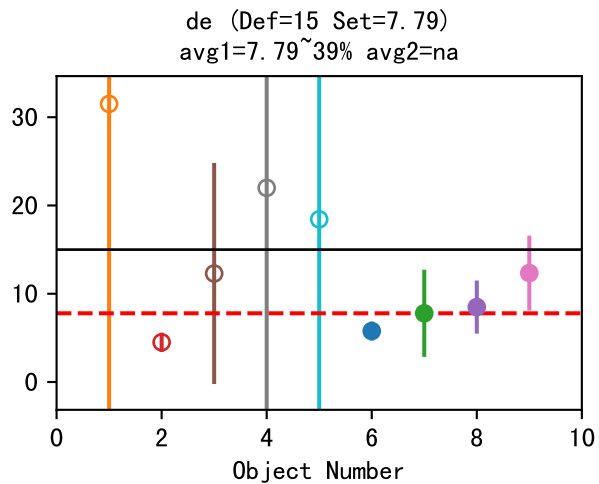
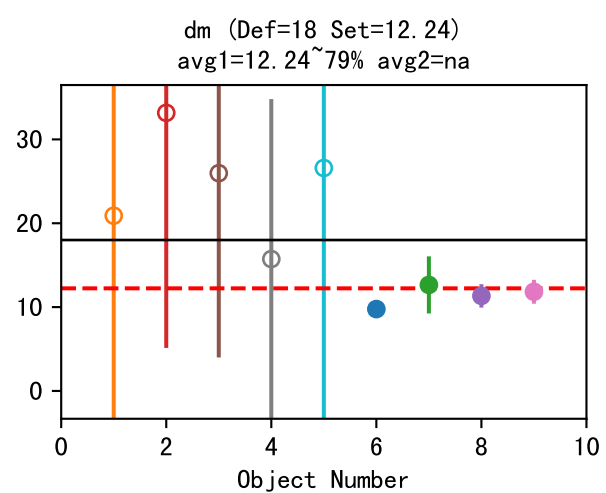
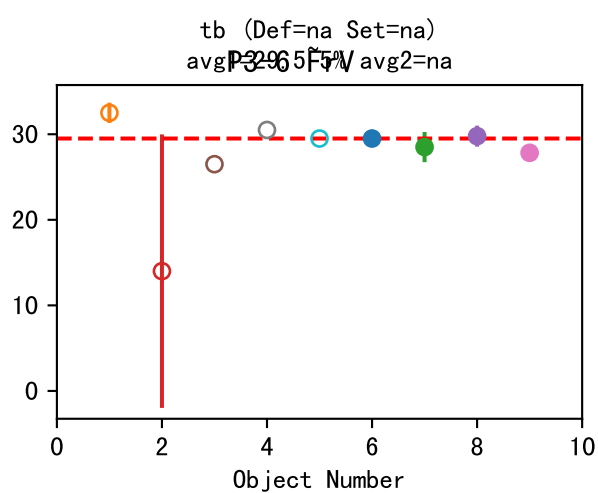
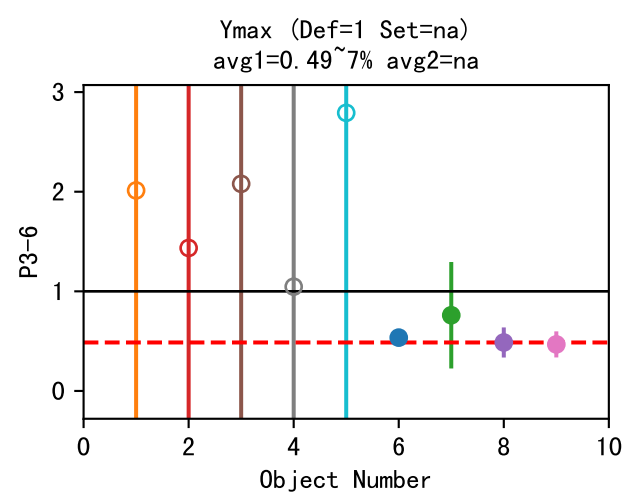


P3-6-042-4T2Fr1 (fit failed)

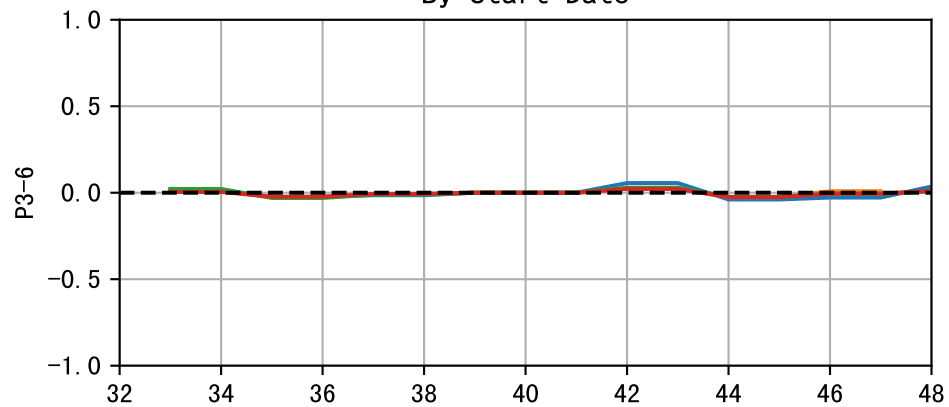


P3-6-042-4T2Fr5 (fit failed)

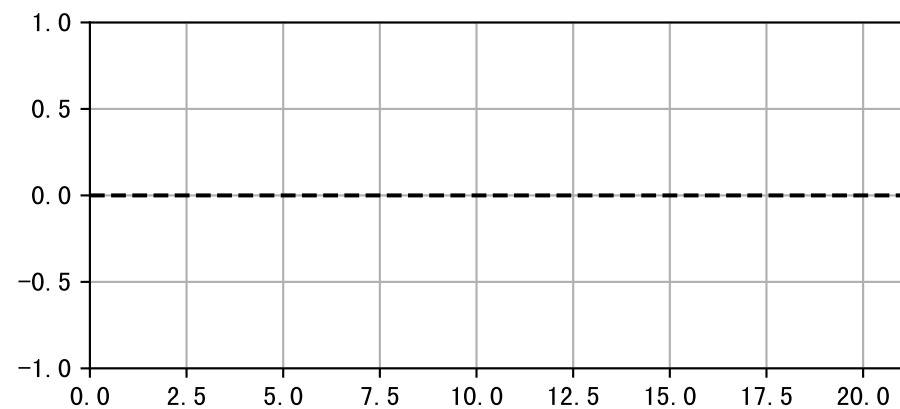
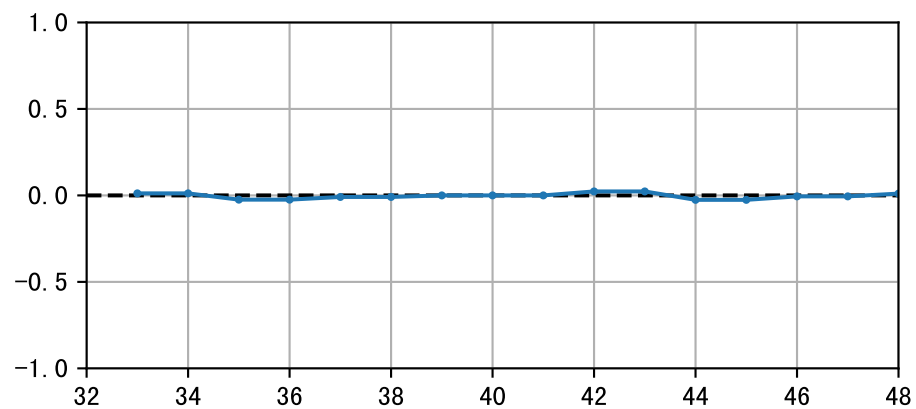
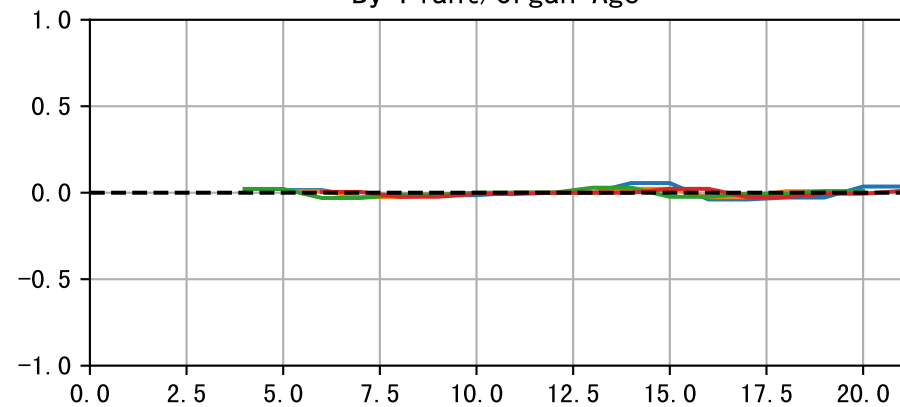




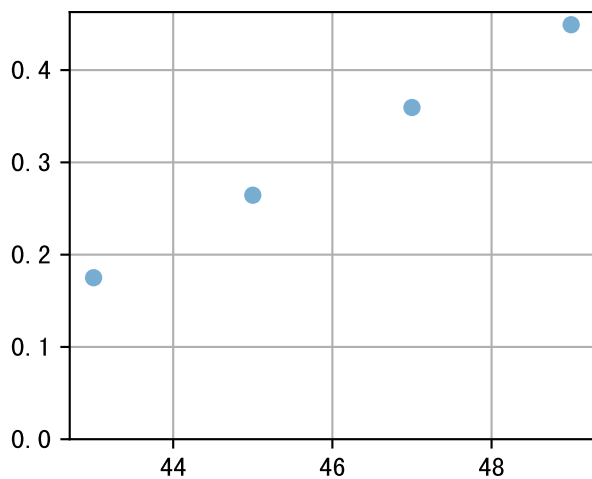
By Start Date



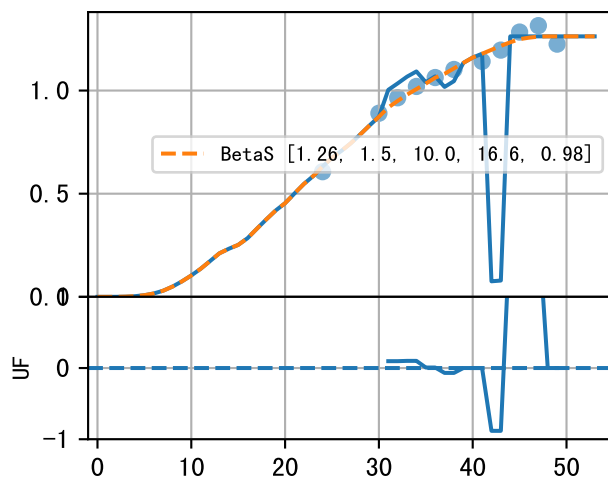
By Plant/Organ Age



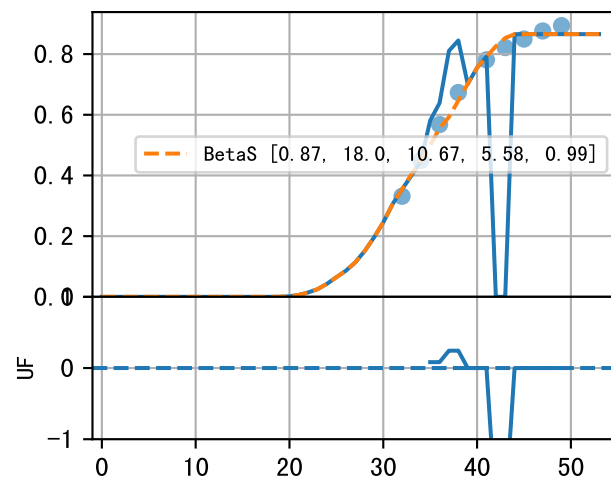
P3-6-003-24L12 (fit failed)



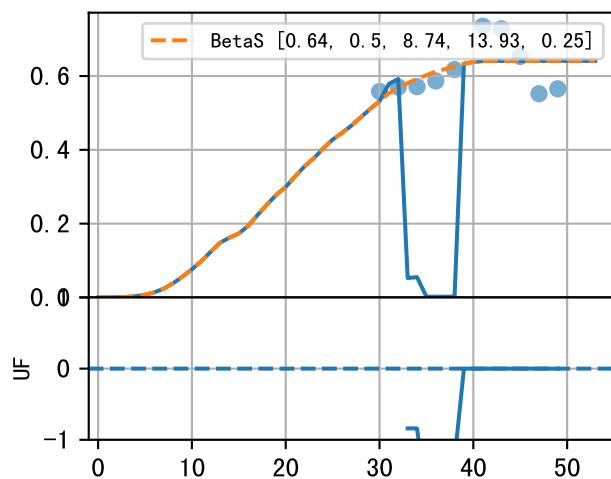
P3-6-003-24L6 (fit failed)



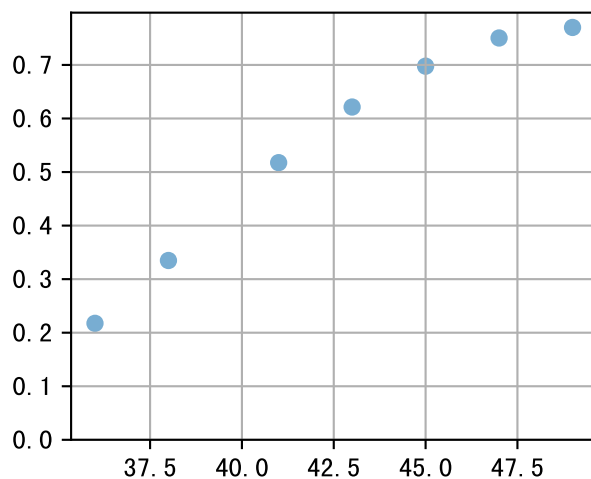
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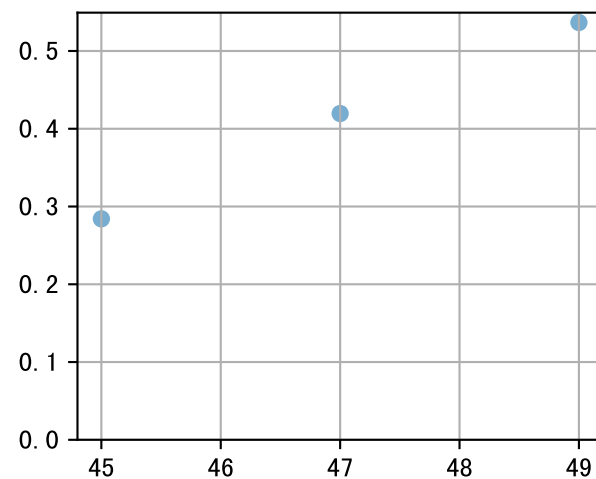
P3-6-007-11L10 (fit failed)



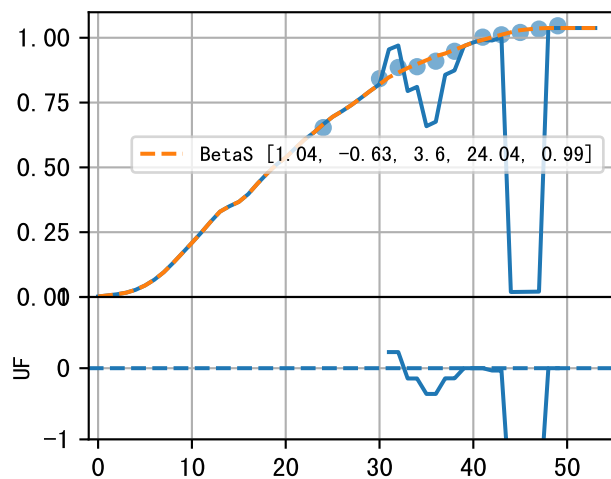
P3-6-007-11L13 (fit failed)



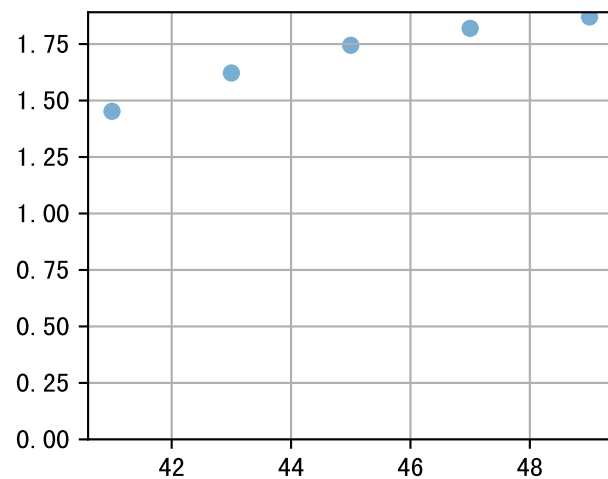
P3-6-007-11L16 (fit failed)



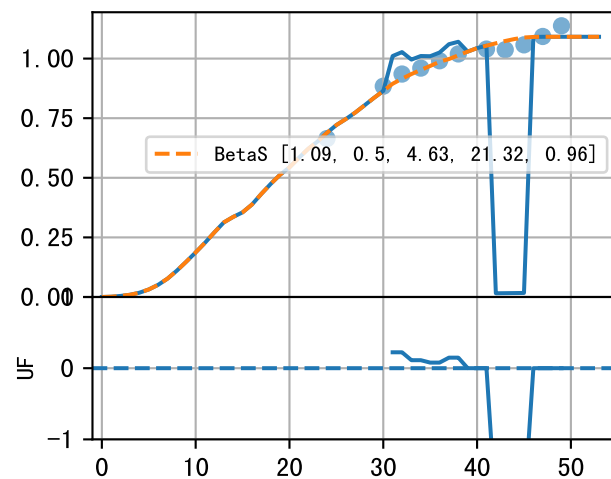
P3-6-007-11L7 (fit failed)



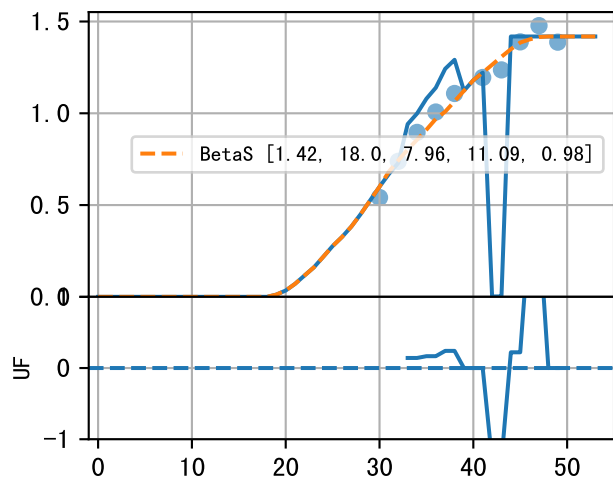
P3-6-011-7L12 (fit failed)



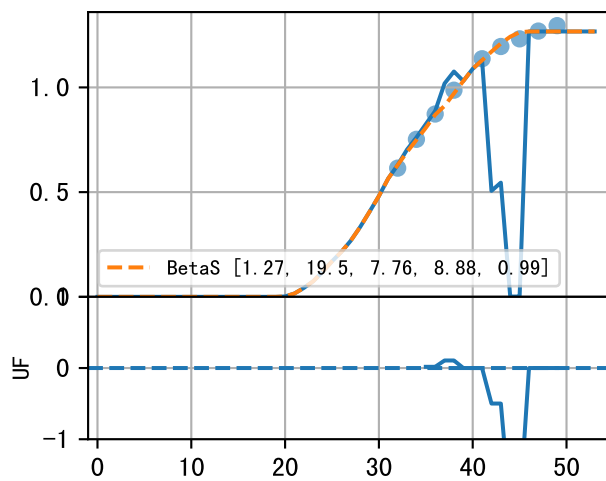
P3-6-011-7L6 (fit failed)



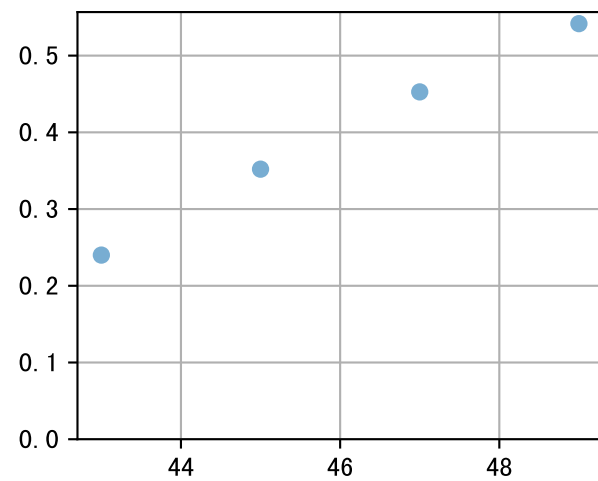
P3-6-011-7L9 (fit failed)



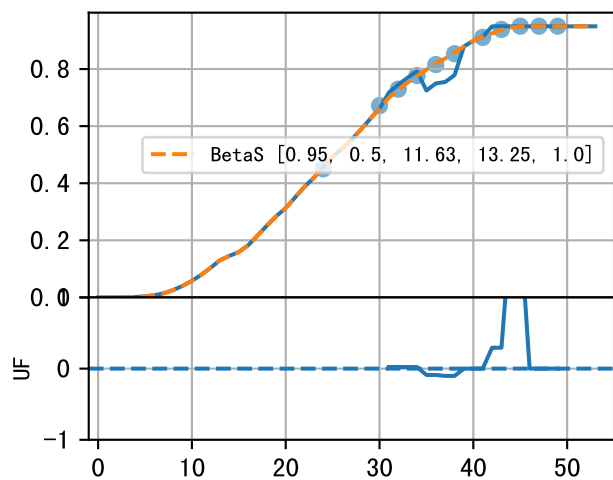
P3-6-015-30L10



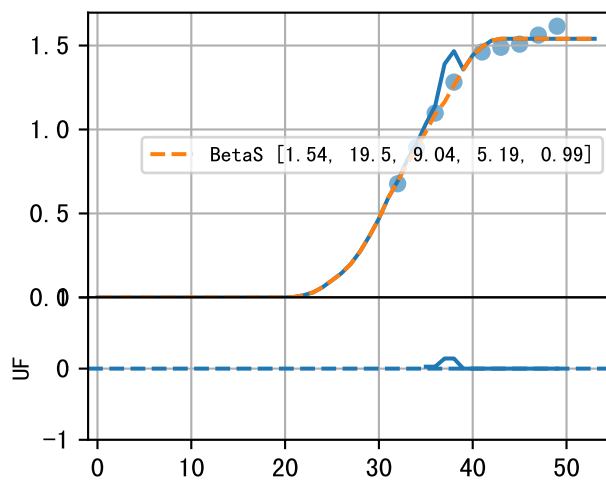
P3-6-015-30L13 (fit failed)



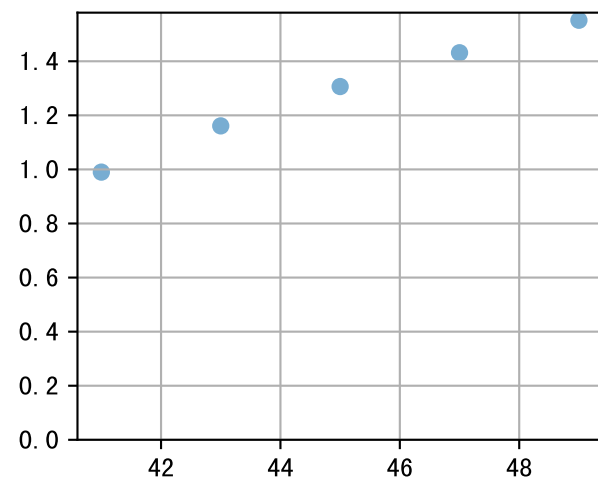
P3-6-015-30L6



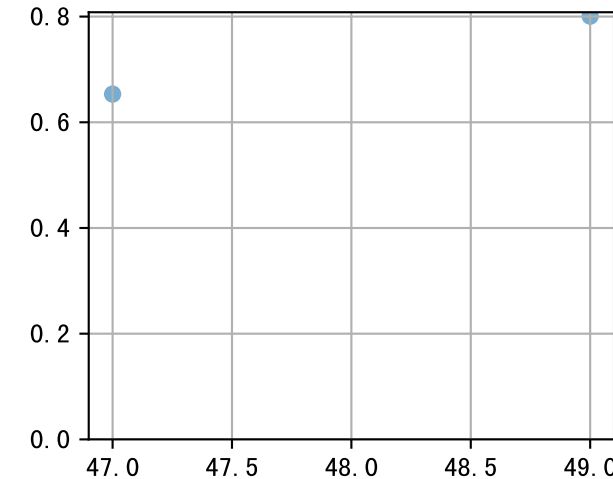
P3-6-019-12L10 (fit failed)



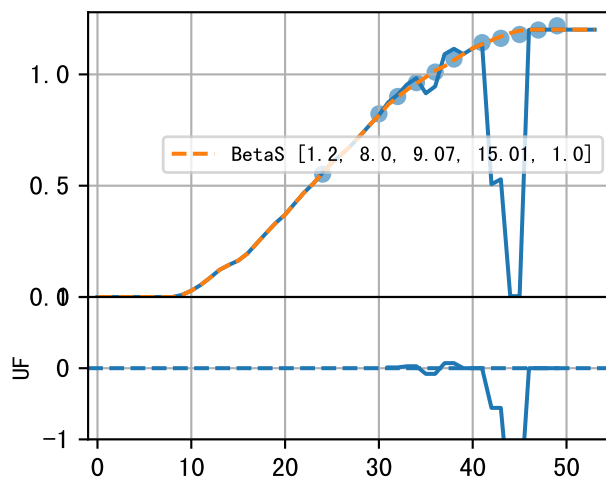
P3-6-019-12L13 (fit failed)



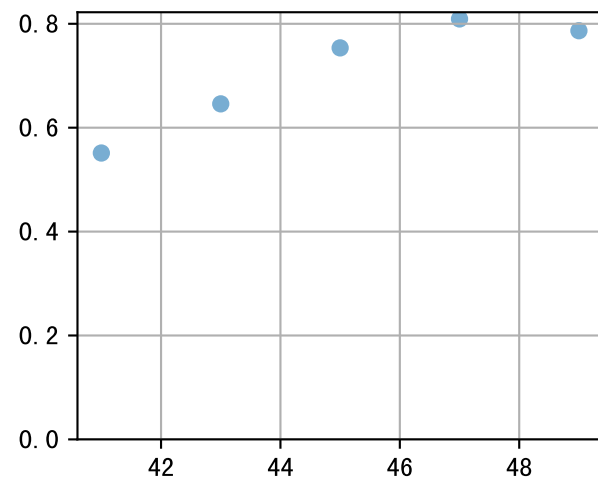
P3-6-019-12L15 (fit failed)



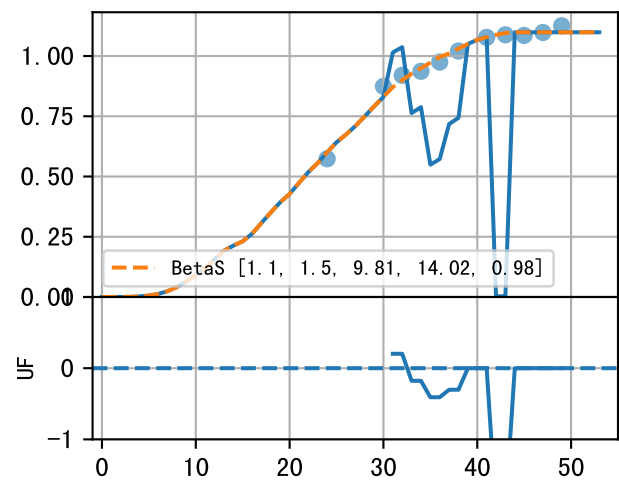
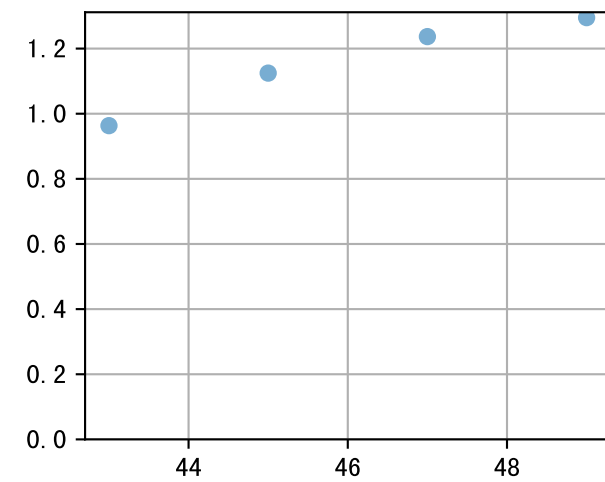
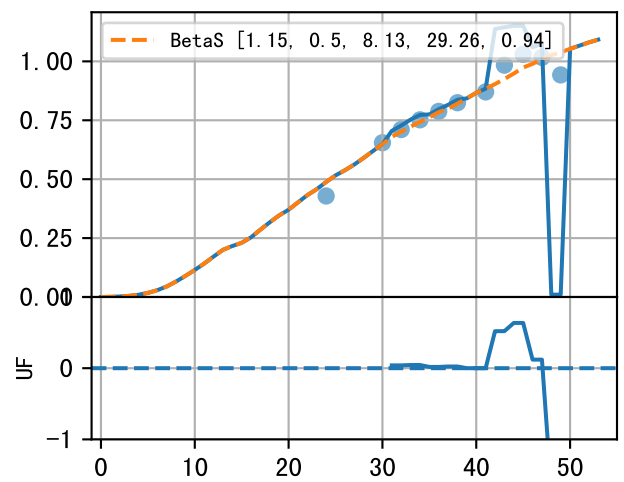
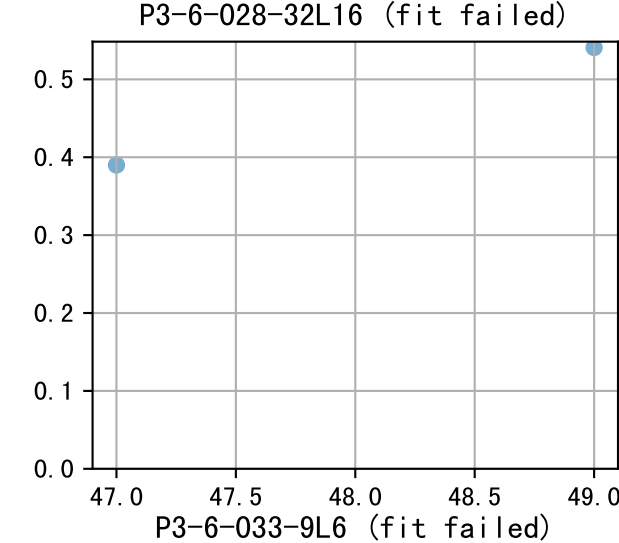
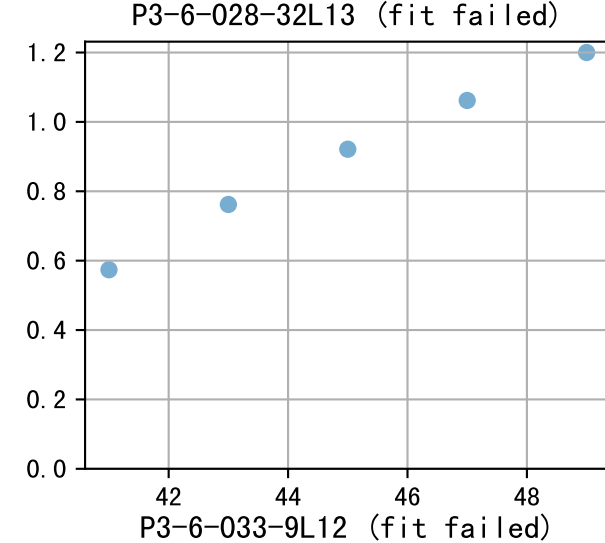
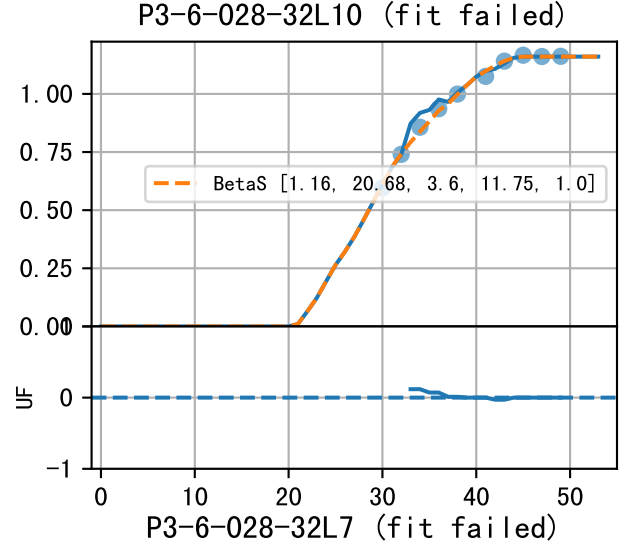
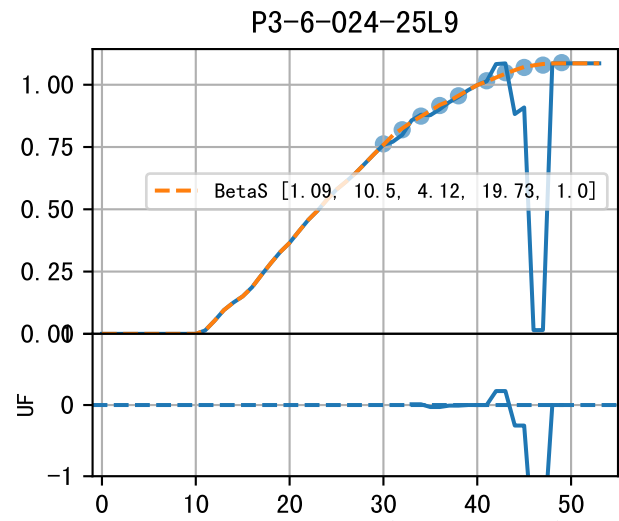
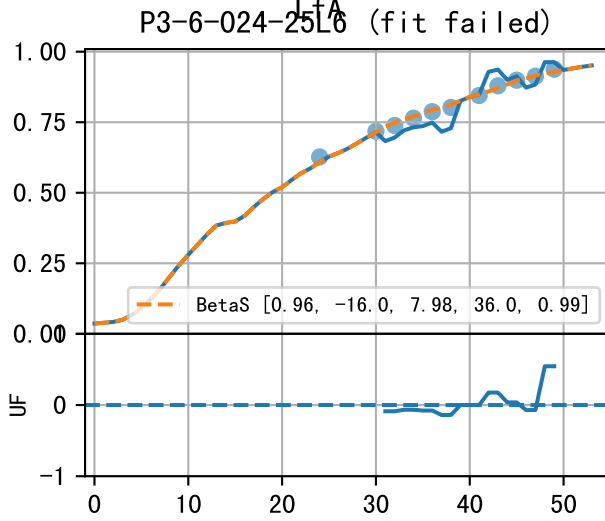
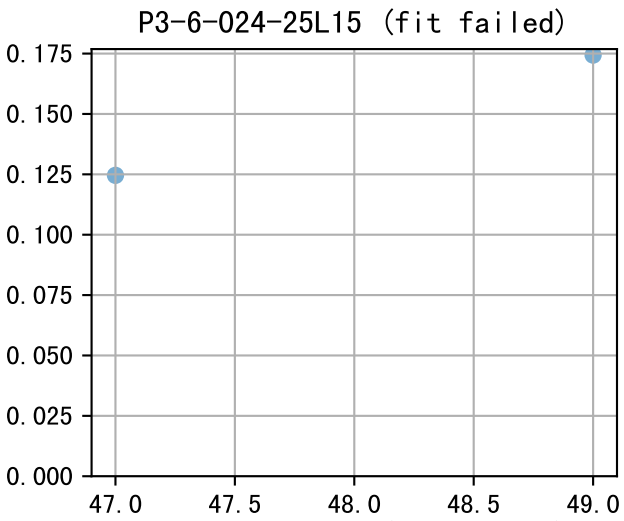
P3-6-019-12L7



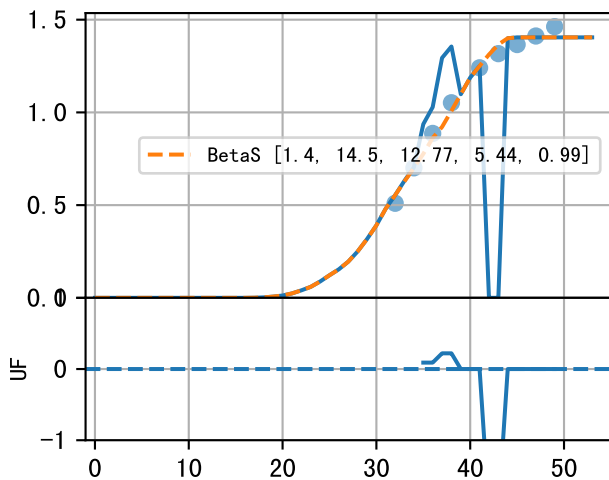
P3-6-024-25L12 (fit failed)



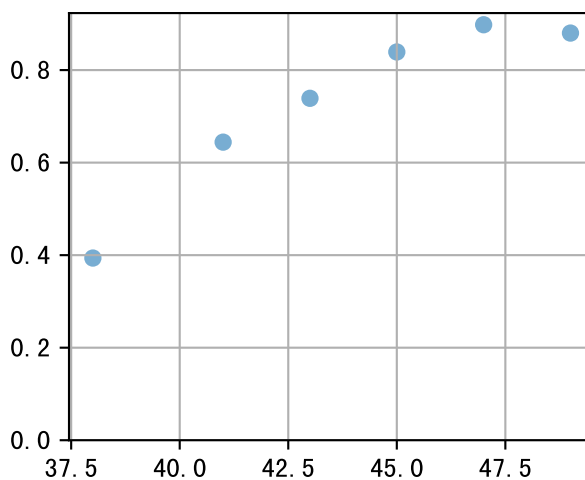
I_{FA}



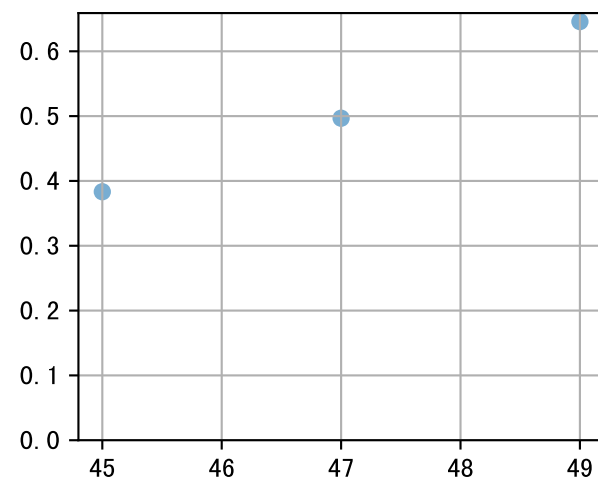
P3-6-033-9L9



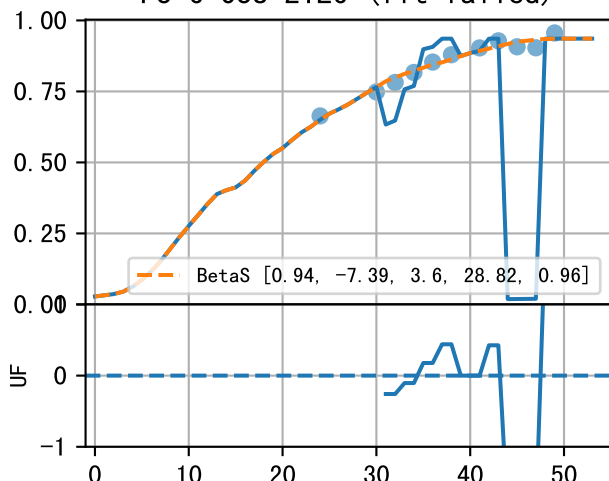
P3-6-038-21L12 (fit failed)



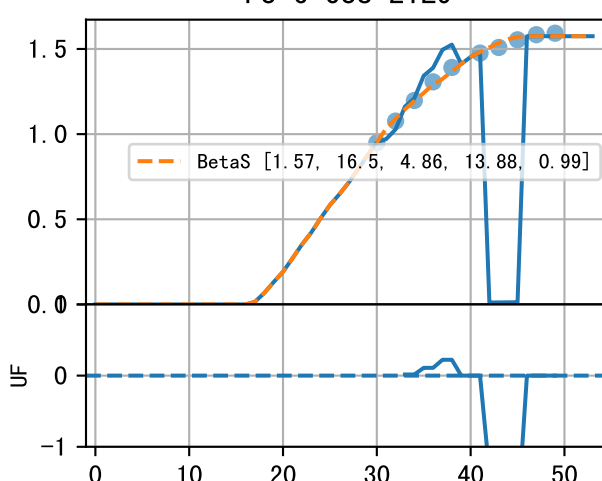
P3-6-038-21L15 (fit failed)



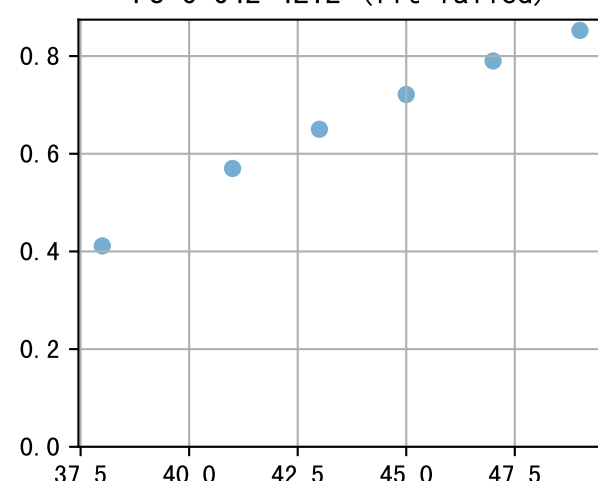
P3-6-038-21L6 (fit failed)



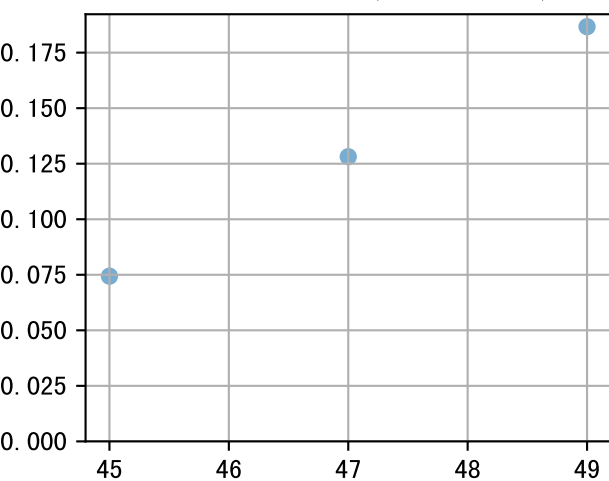
P3-6-038-21L9



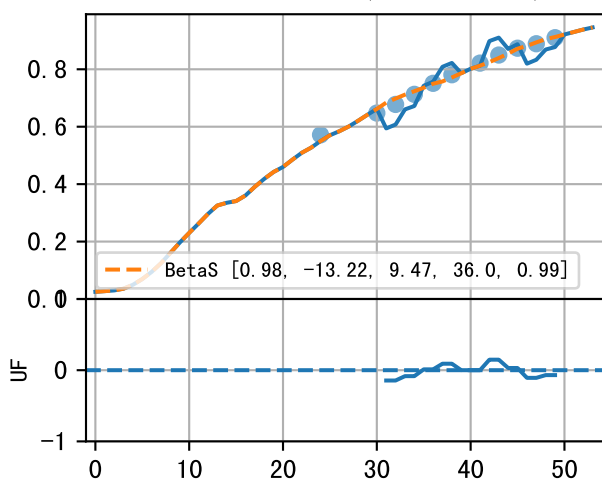
P3-6-042-4L12 (fit failed)



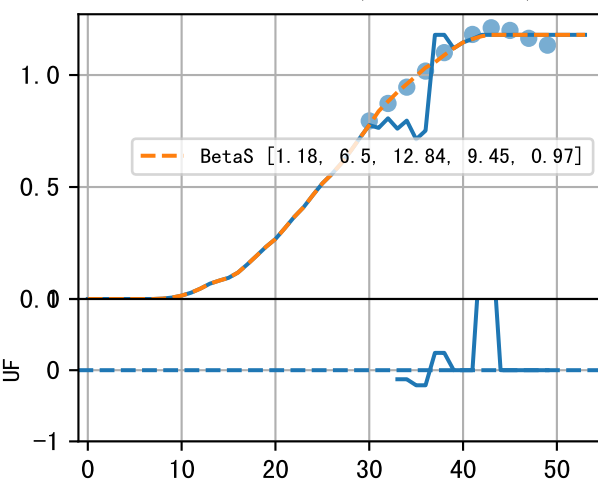
P3-6-042-4L15 (fit failed)

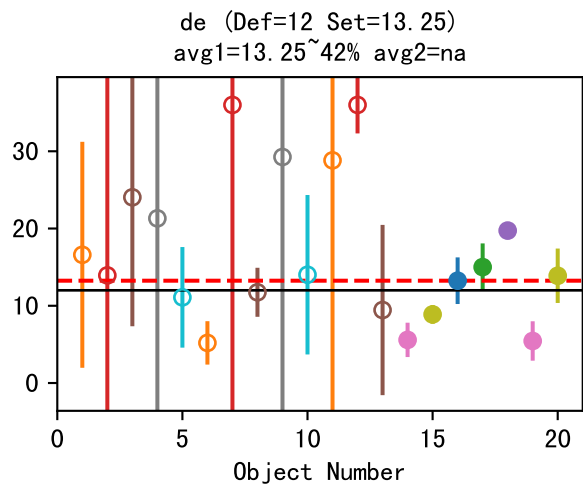
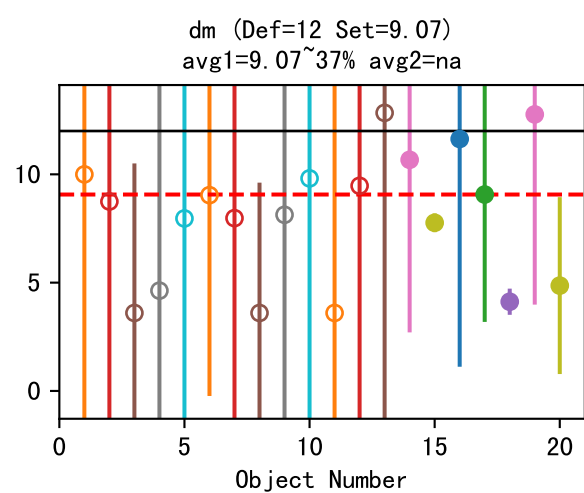
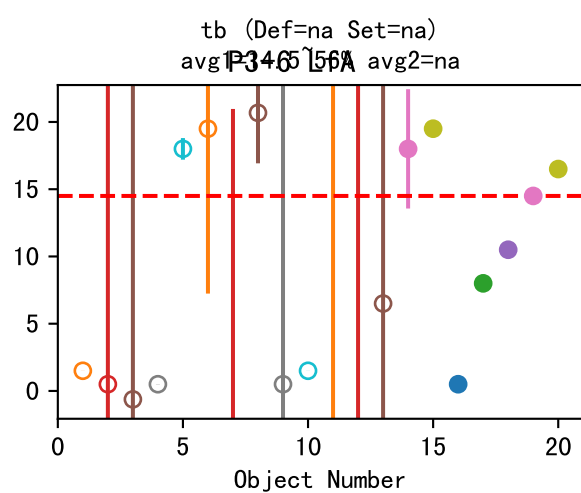
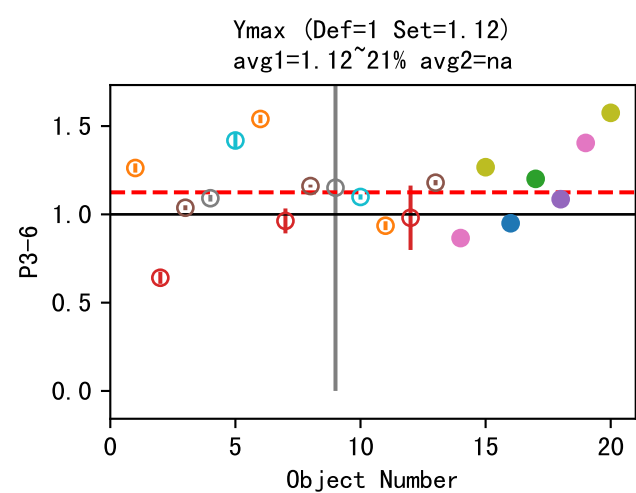


P3-6-042-4L6 (fit failed)

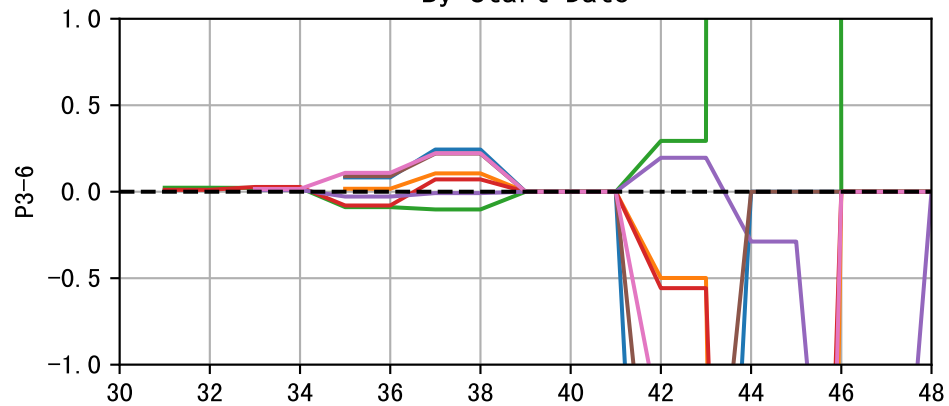


P3-6-042-4L9 (fit failed)

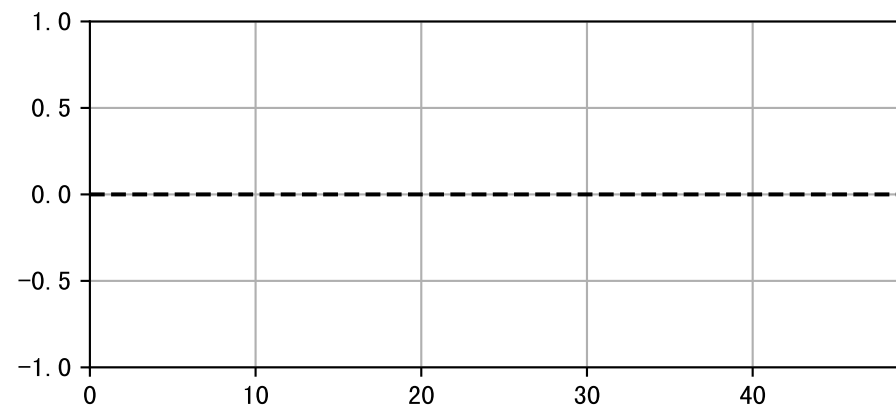
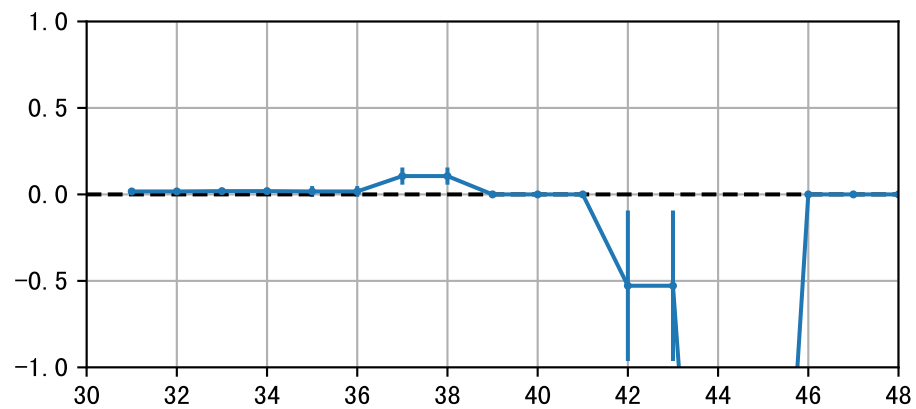
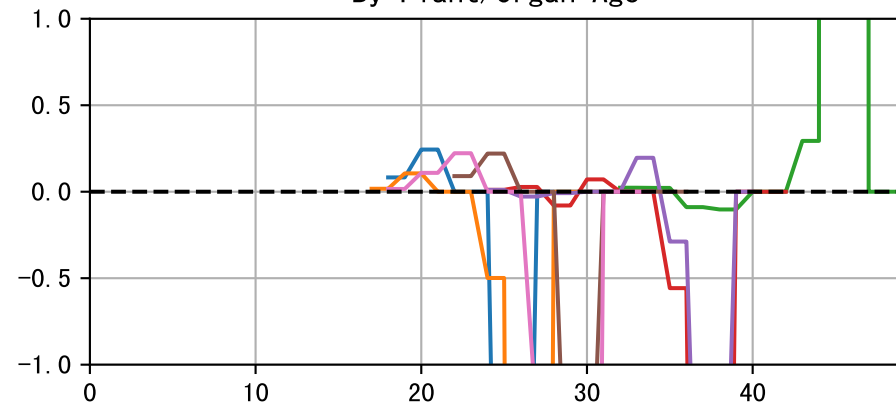


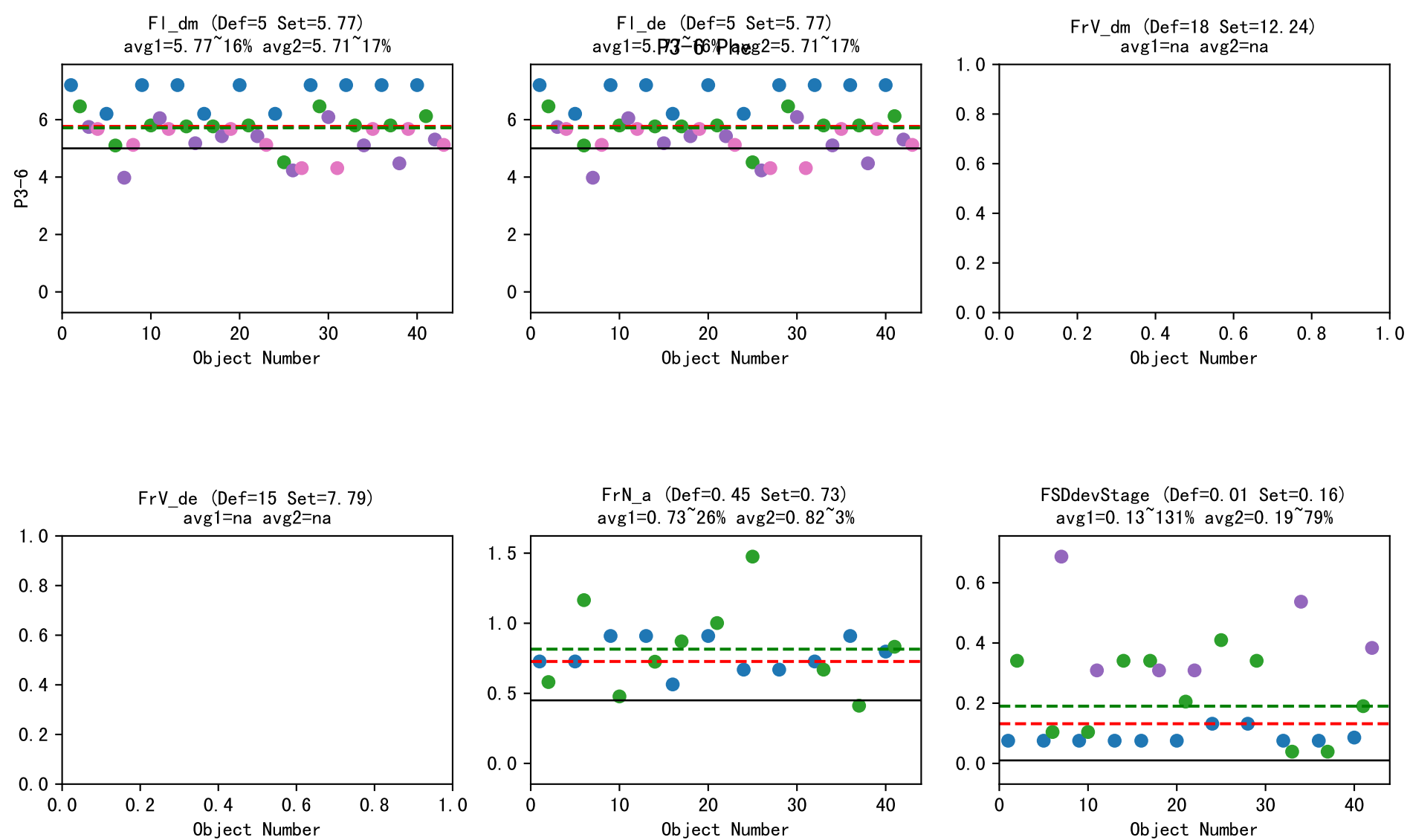


By Start Date

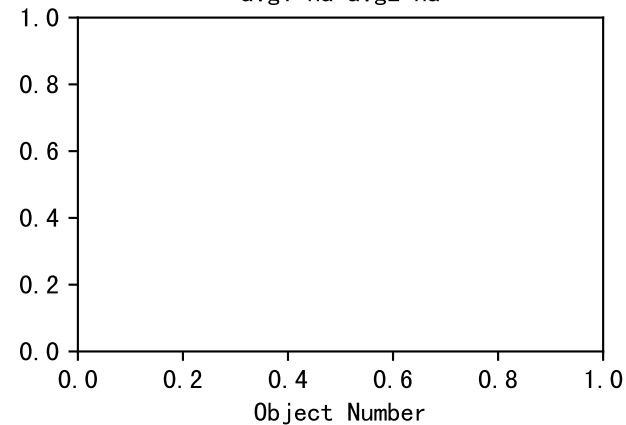


By Plant/Organ Age

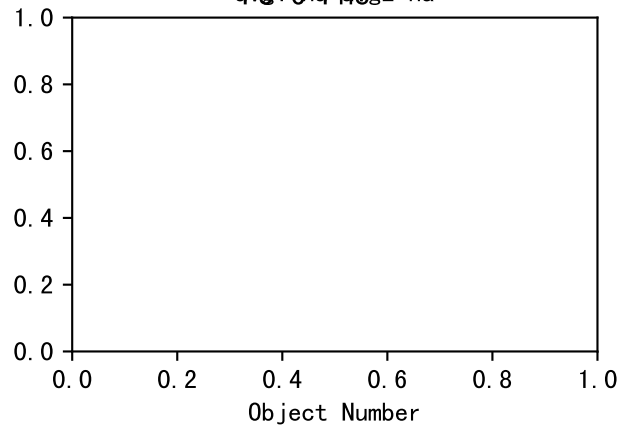




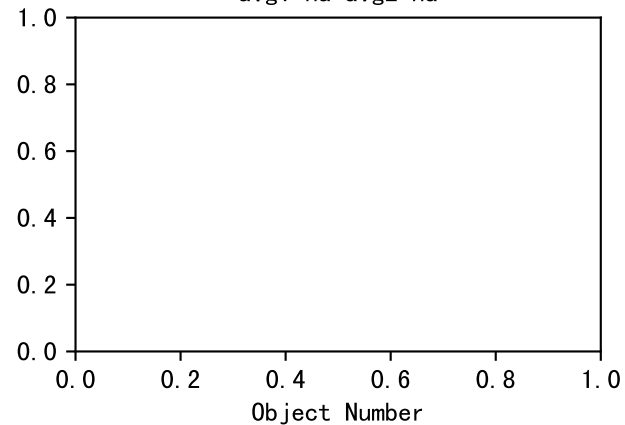
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



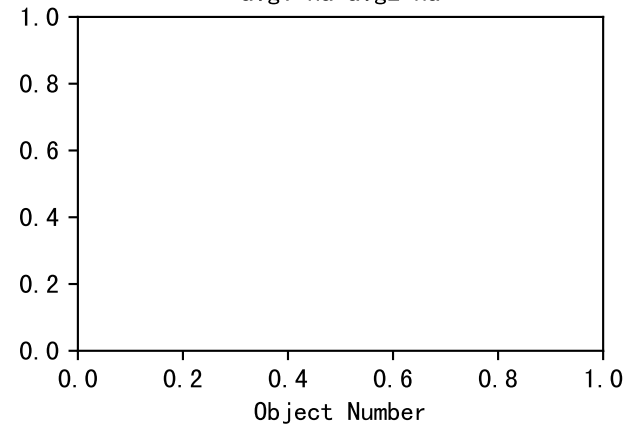
FMBDDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



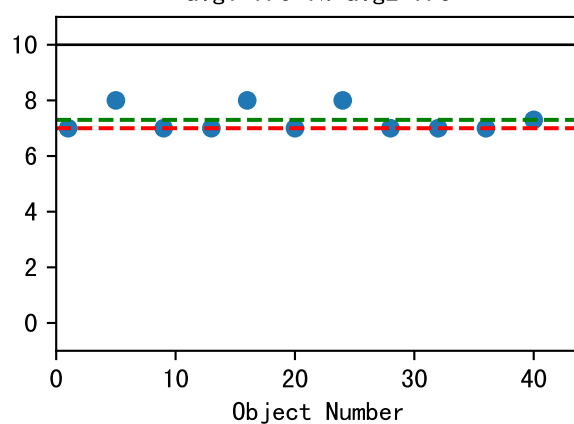
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

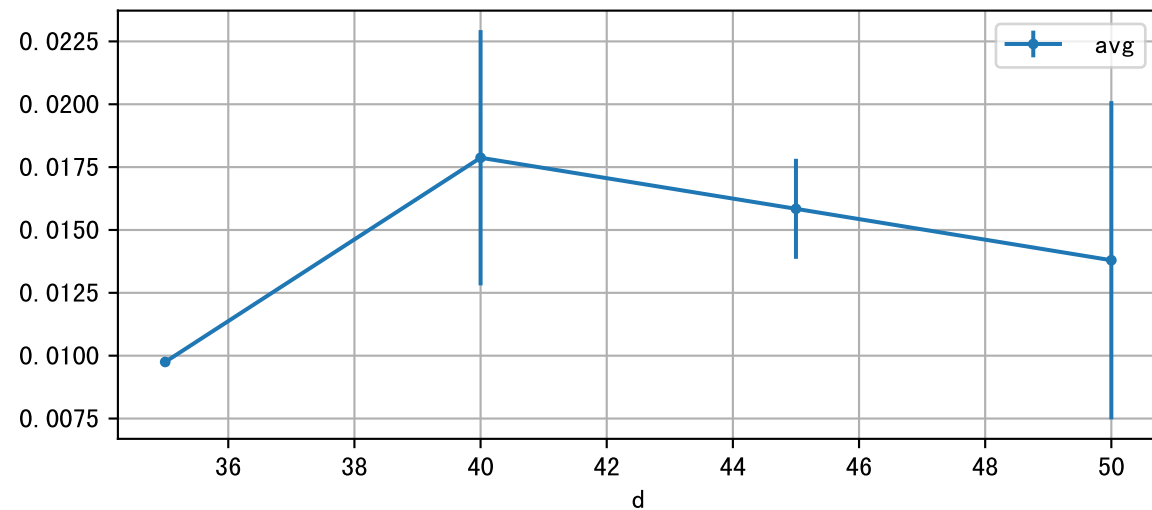


NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

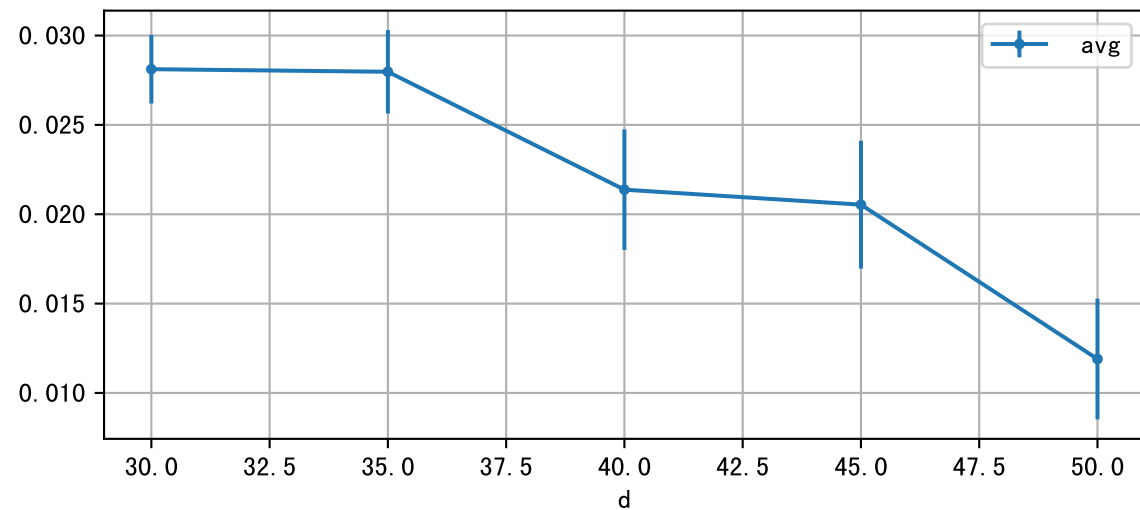


LfA: avg vs. d at each age group

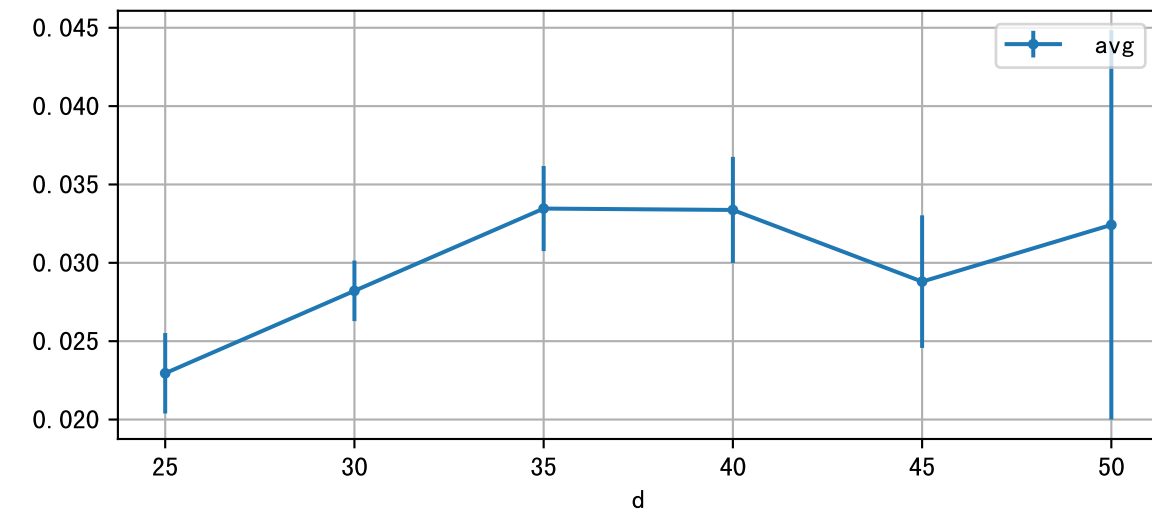
age=15



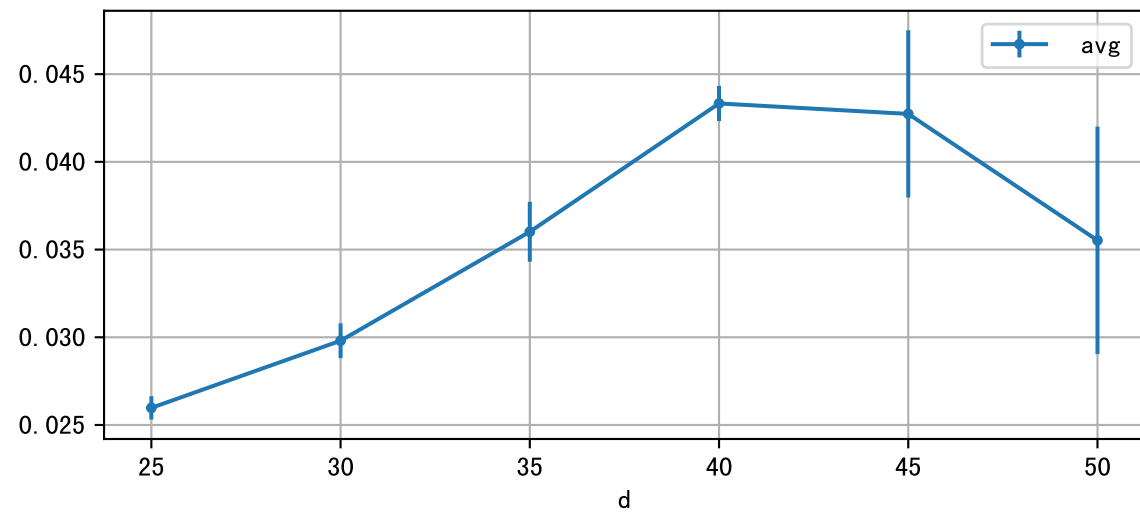
age=20



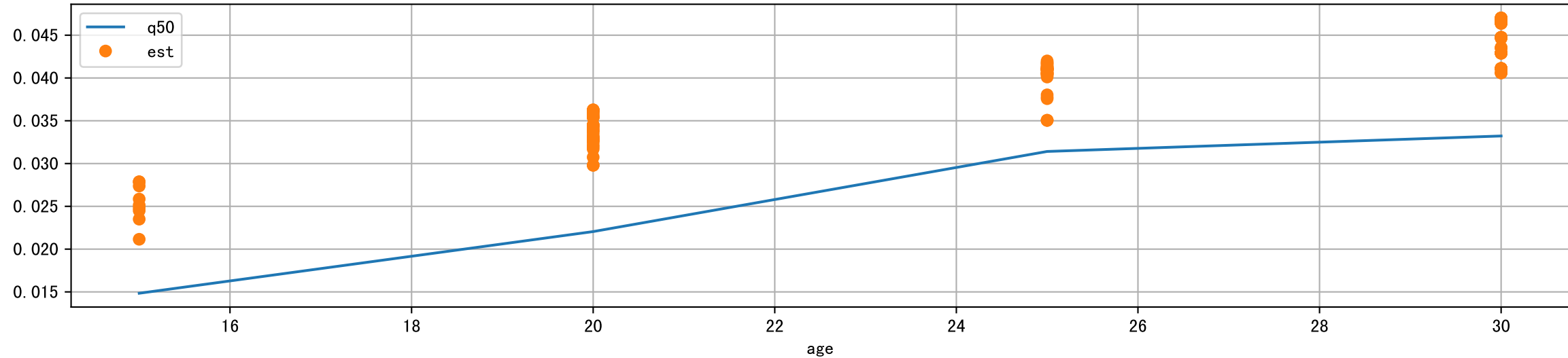
age=25



age=30

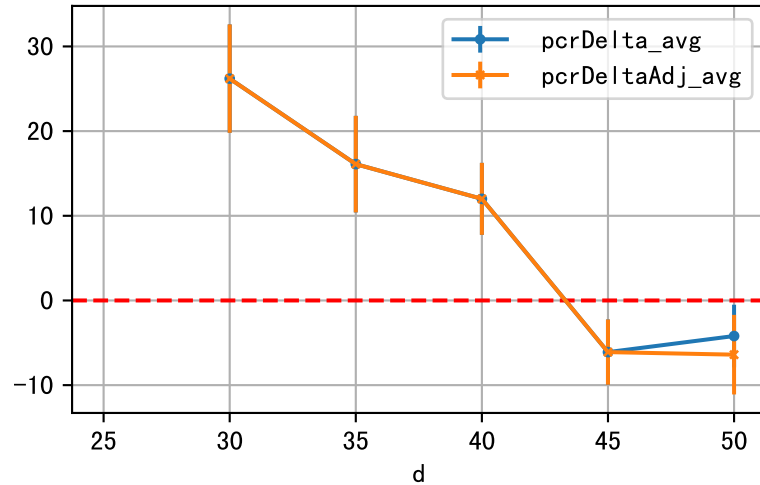


LfA: model est vs obs0v@Q50

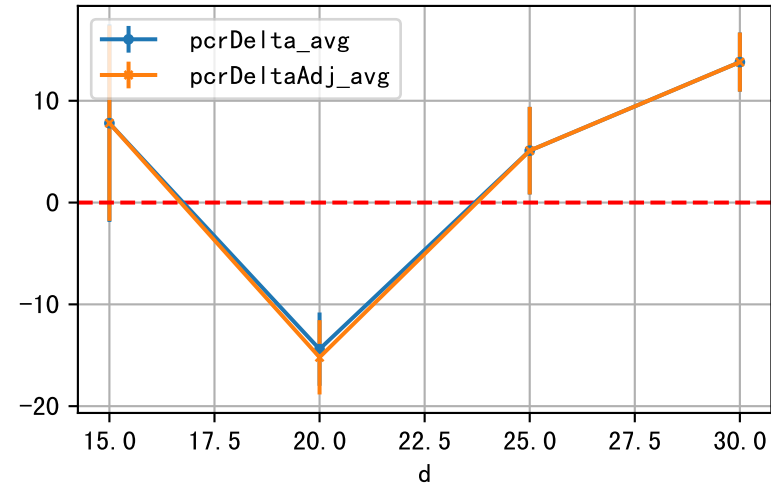


P3-6 LfA: D_5d_LfA

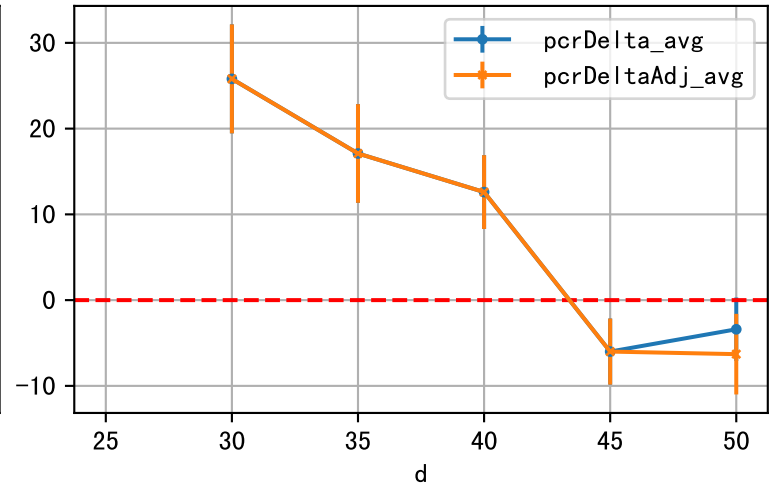
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

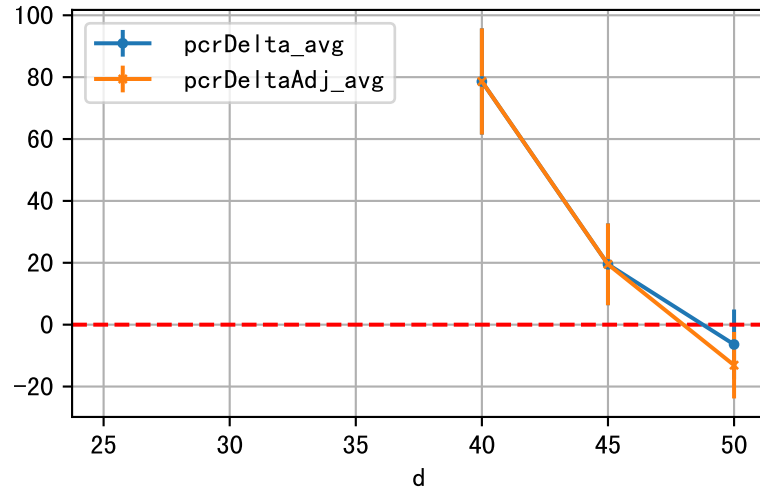


DeltaTypeAbbr=Wei AvgByD

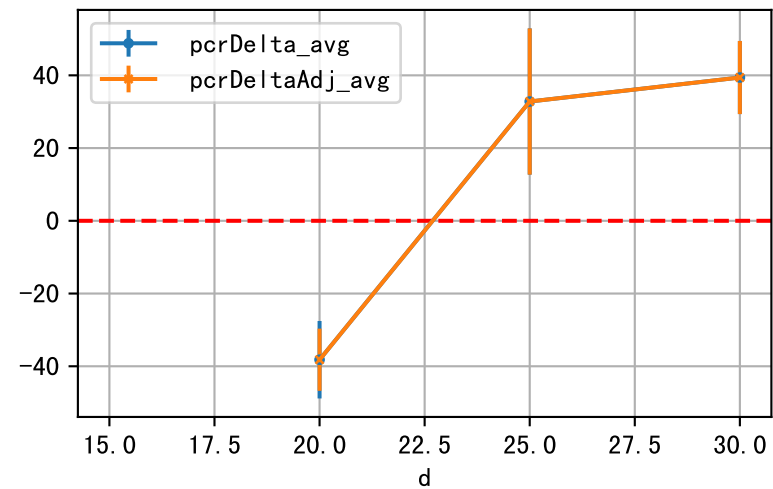


P3-6 LfA: D_15d_LfA

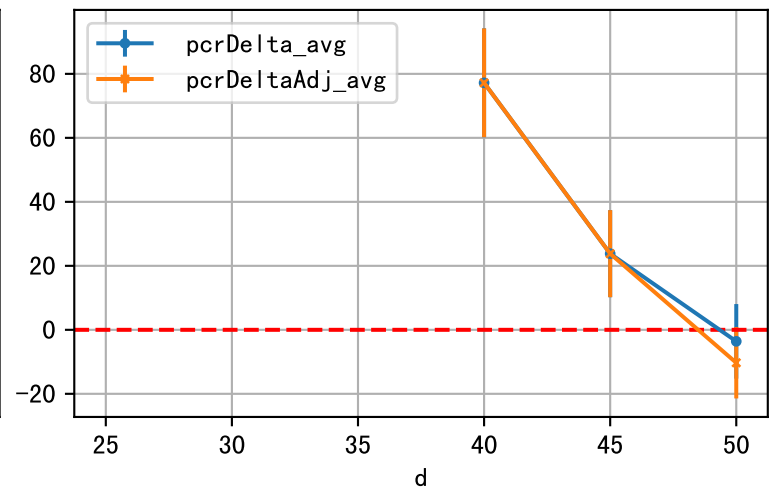
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

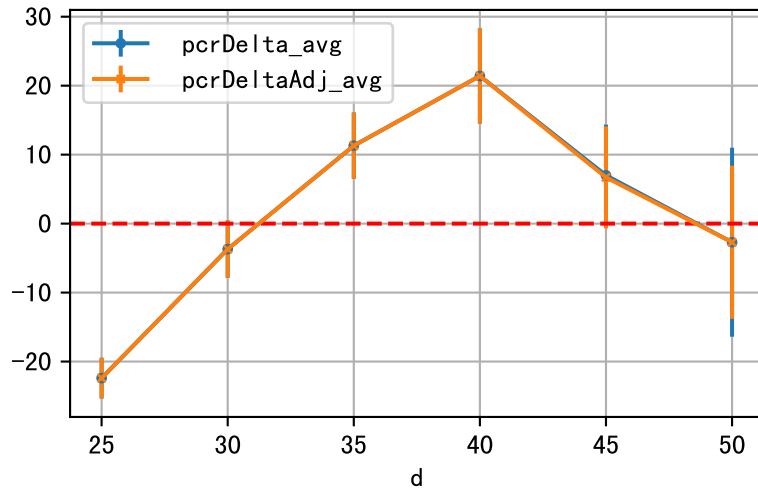


DeltaTypeAbbr=Wei AvgByD

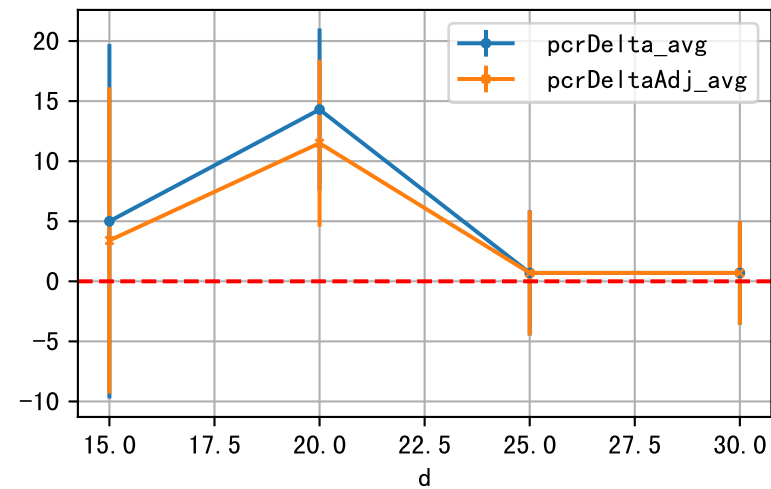


P3-6 LfA: D_Q50_LfA

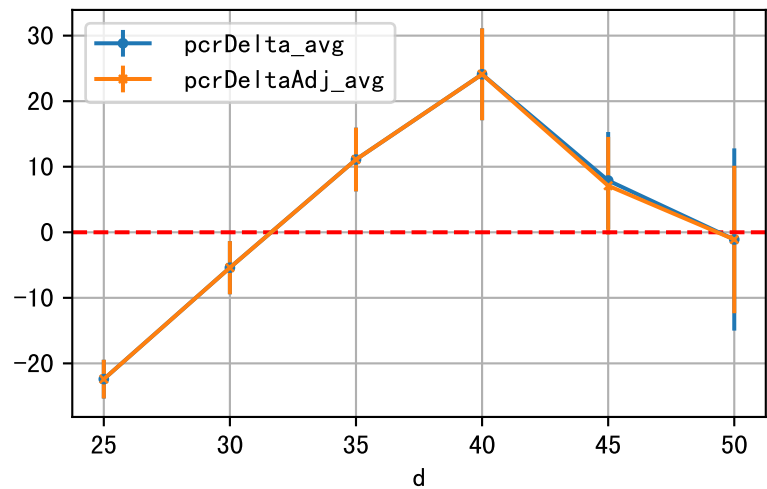
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

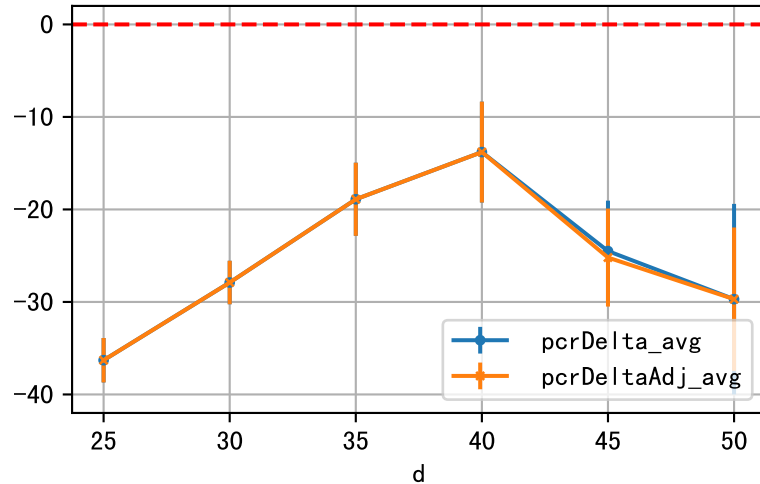
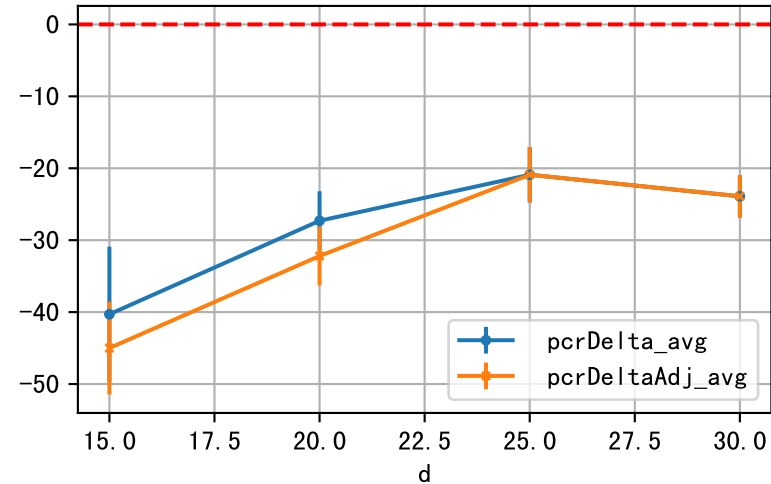


DeltaTypeAbbr=Wei AvgByD

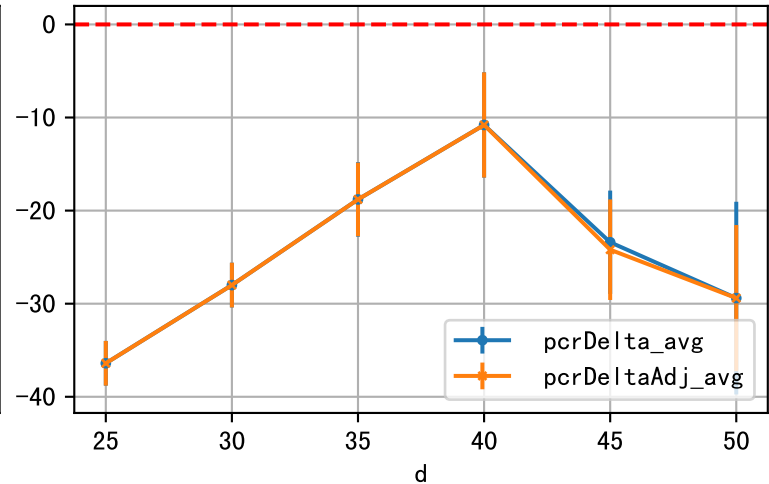


P3-6 LfA: D_Est_LfA

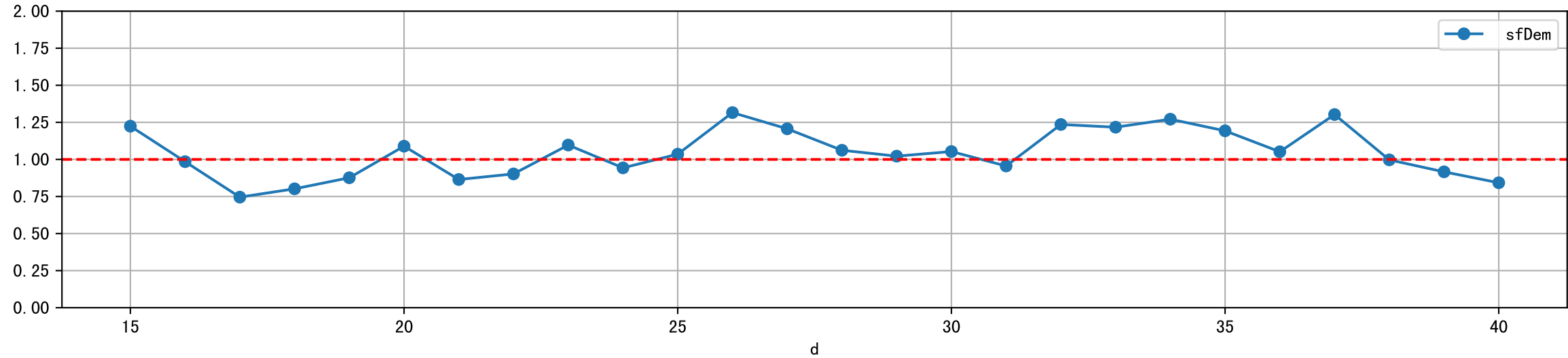
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD



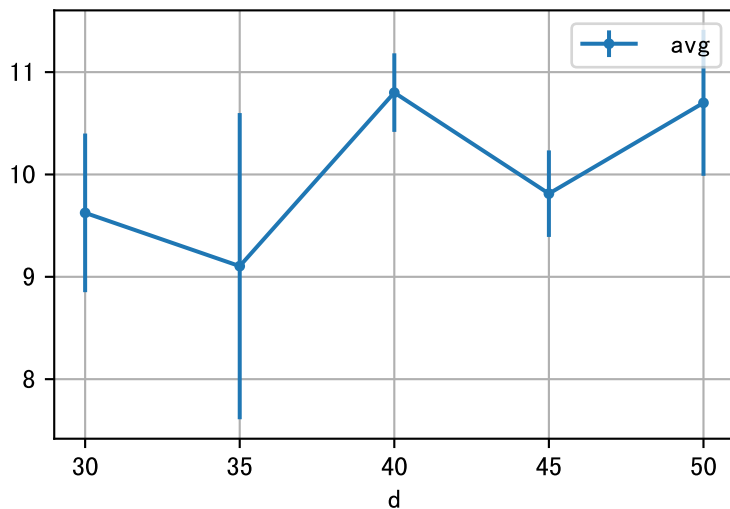
LfA: sfDem



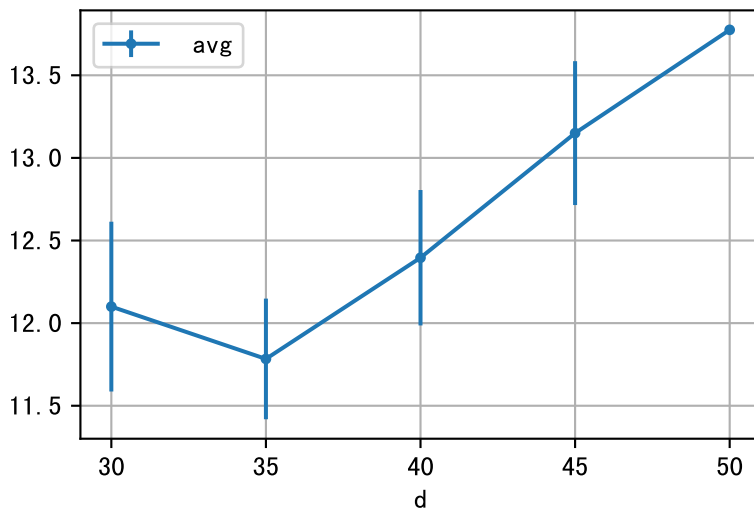


NdD: avg vs. d at each age group

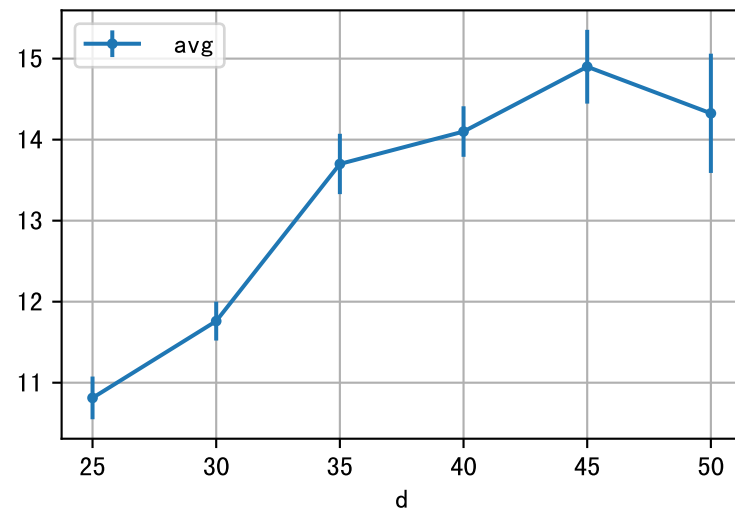
age=15



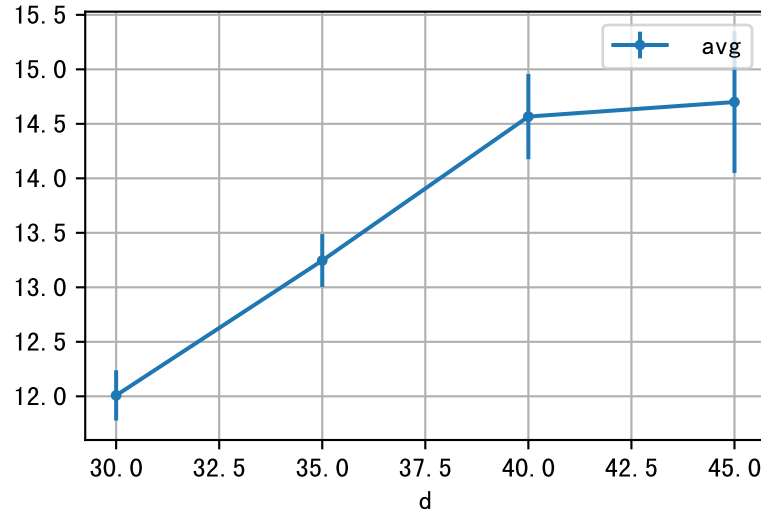
age=20



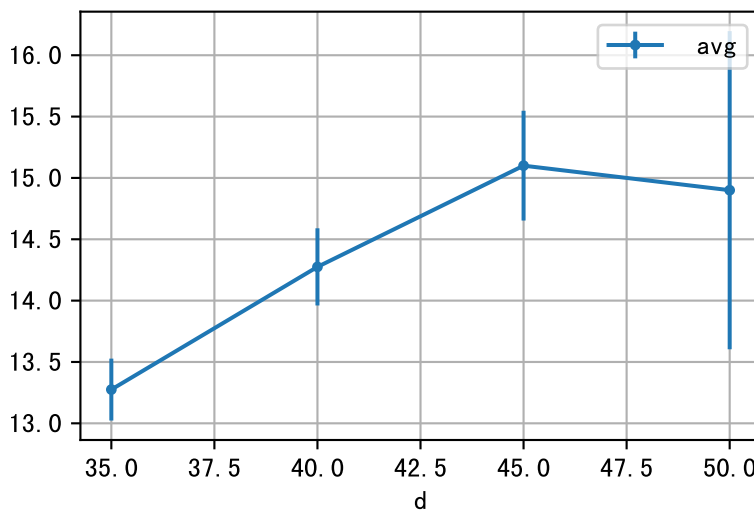
age=25



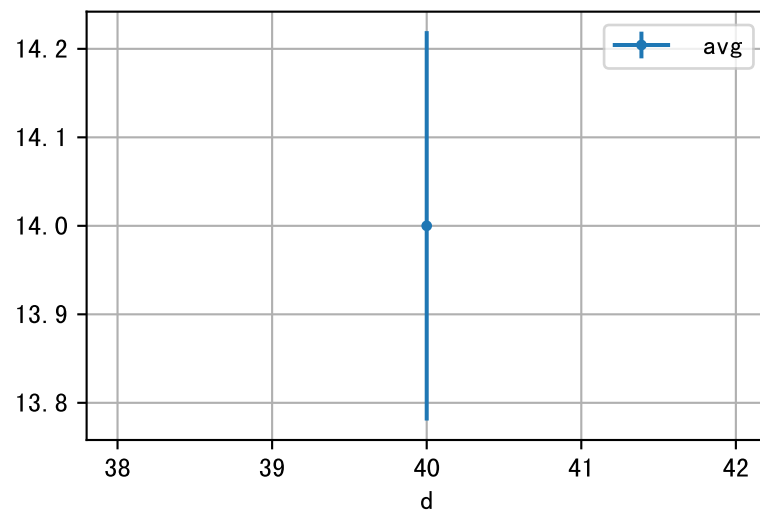
age=30



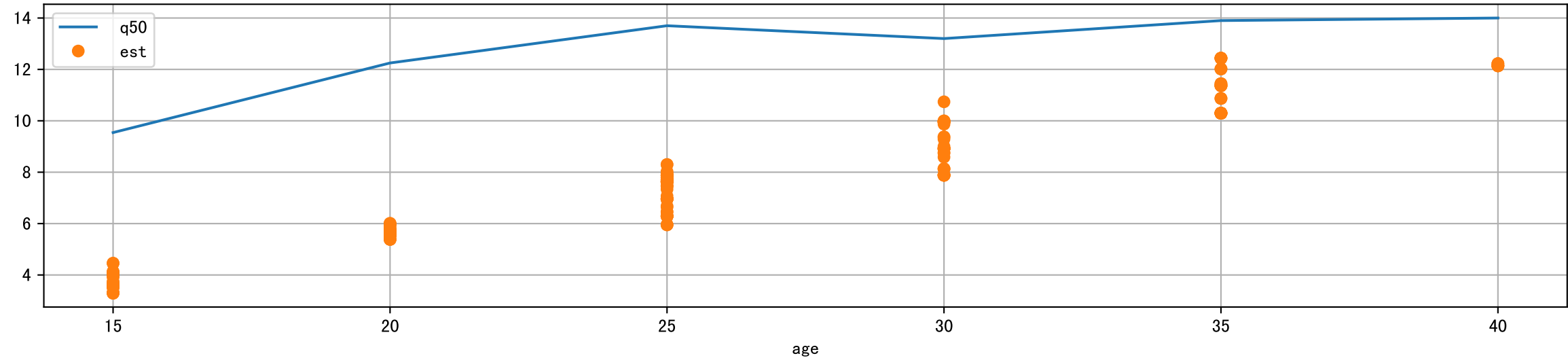
age=35



age=40

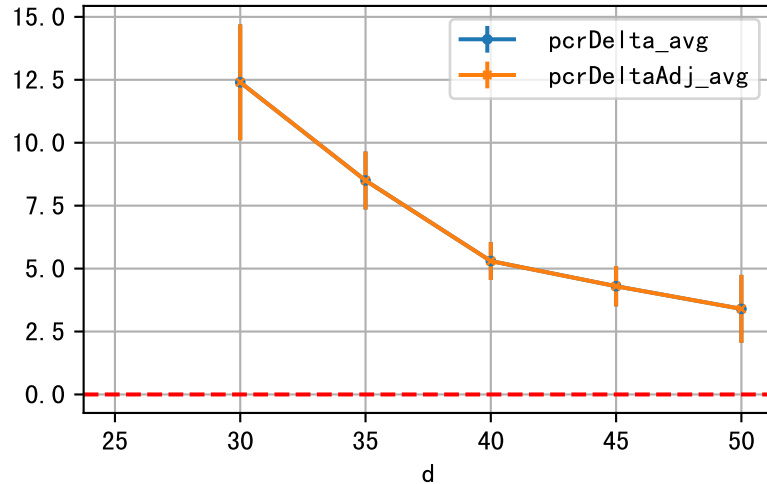


NdD: model est vs obs0v@Q50

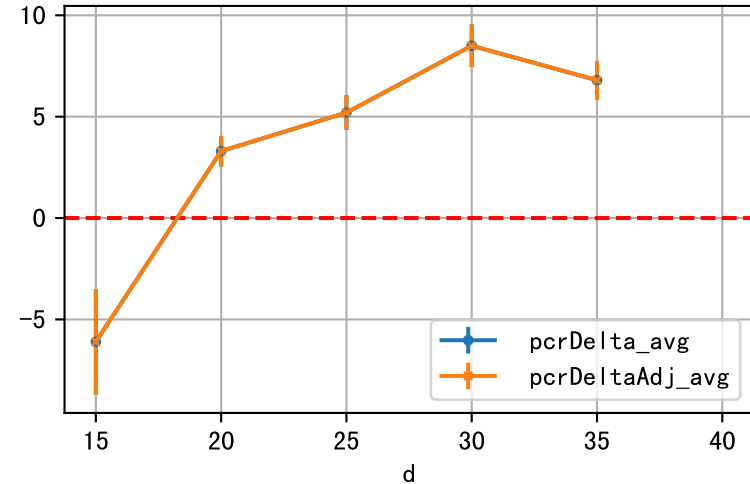


P3-6 NdD: D_5d_NdD

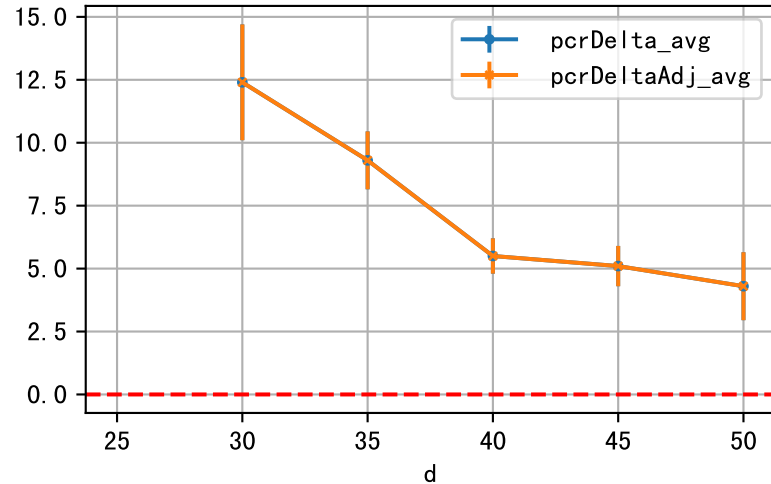
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

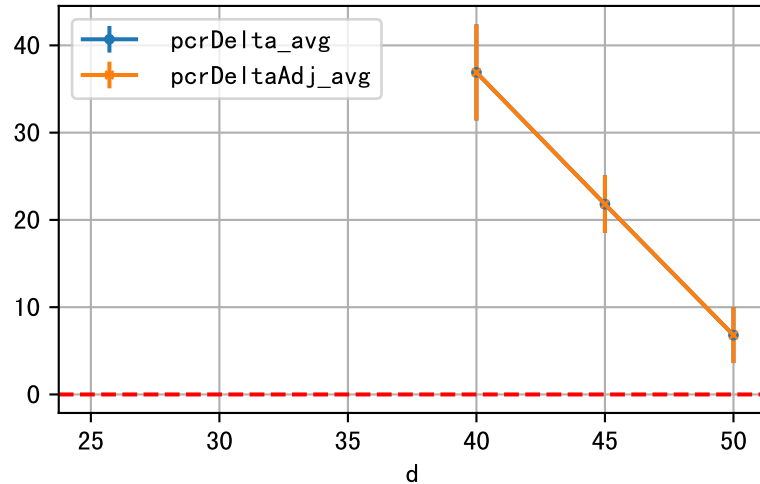


DeltaTypeAbbr=Wei AvgByD

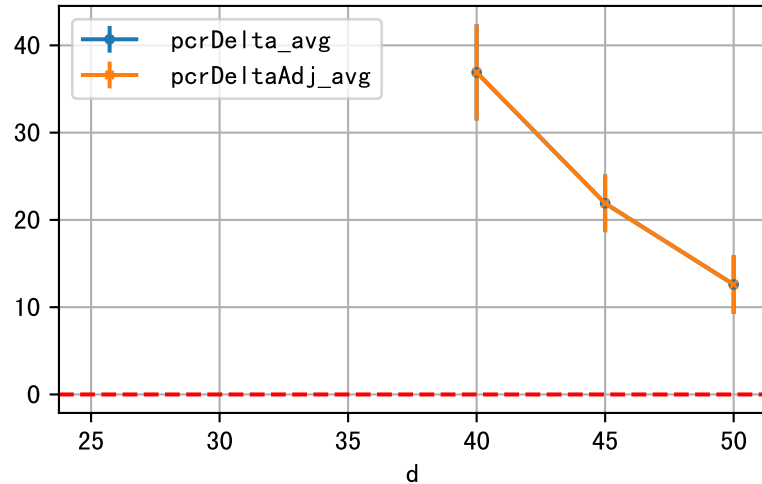


P3-6 NdD: D_15d_NdD

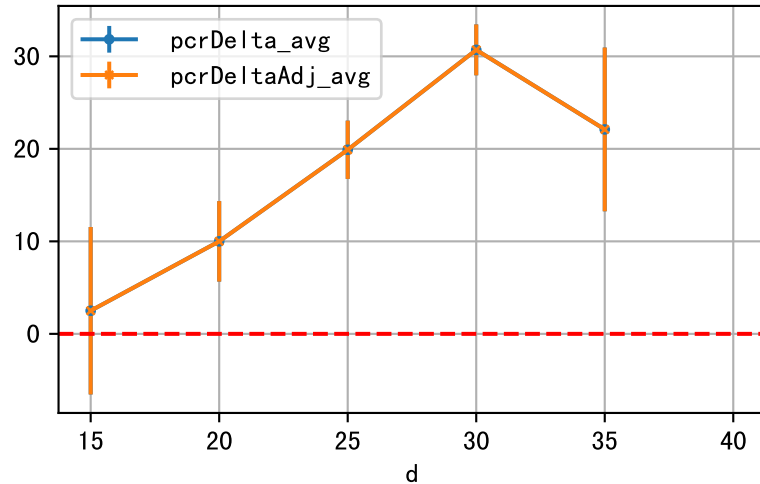
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

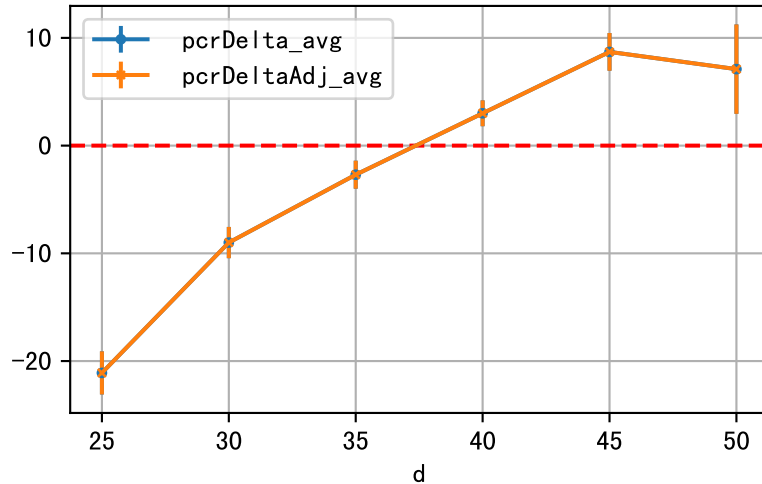


DeltaTypeAbbr=GrpByAge

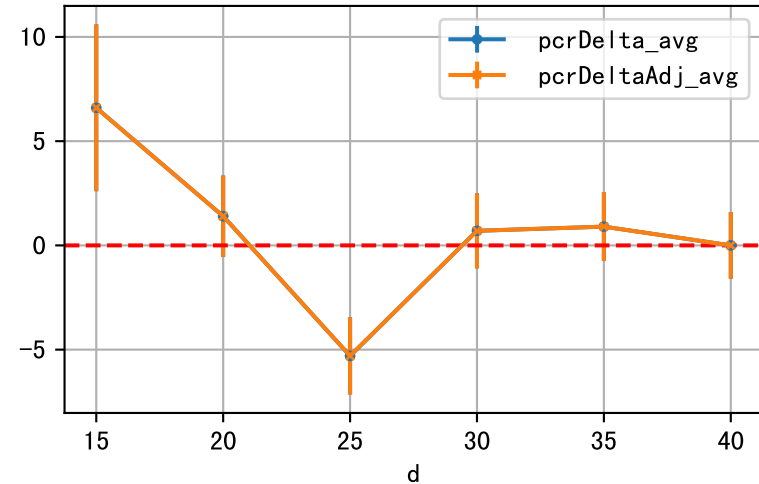


P3-6 NdD: D_Q50_NdD

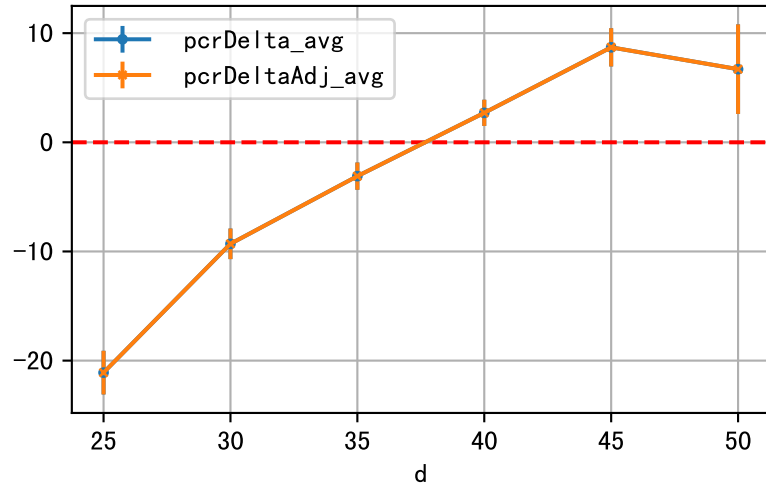
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD

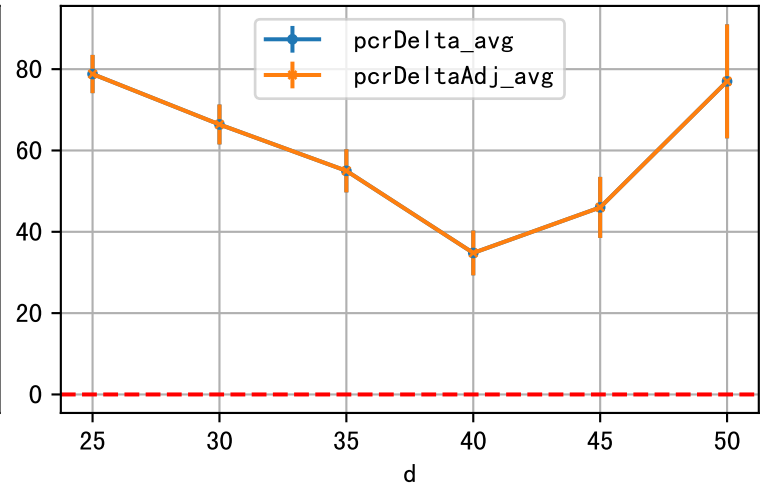
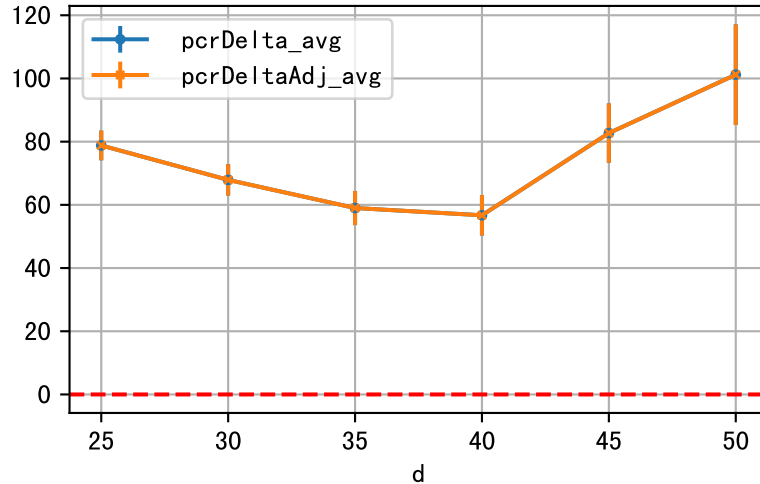
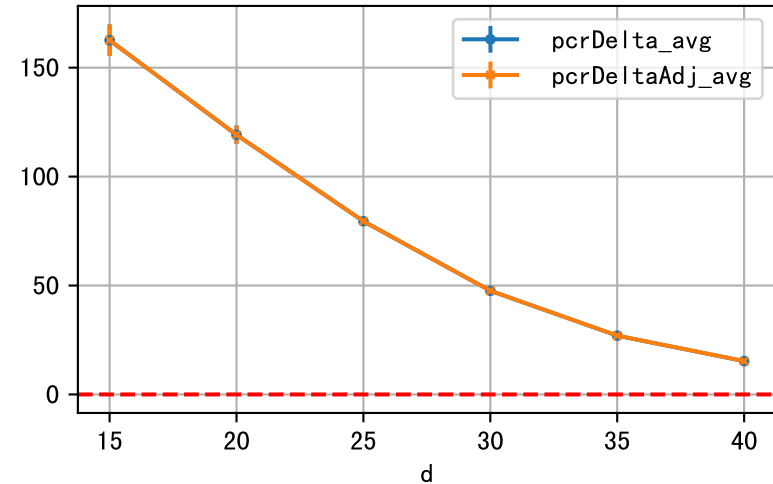


P3-6 NdD: D_Est_NdD

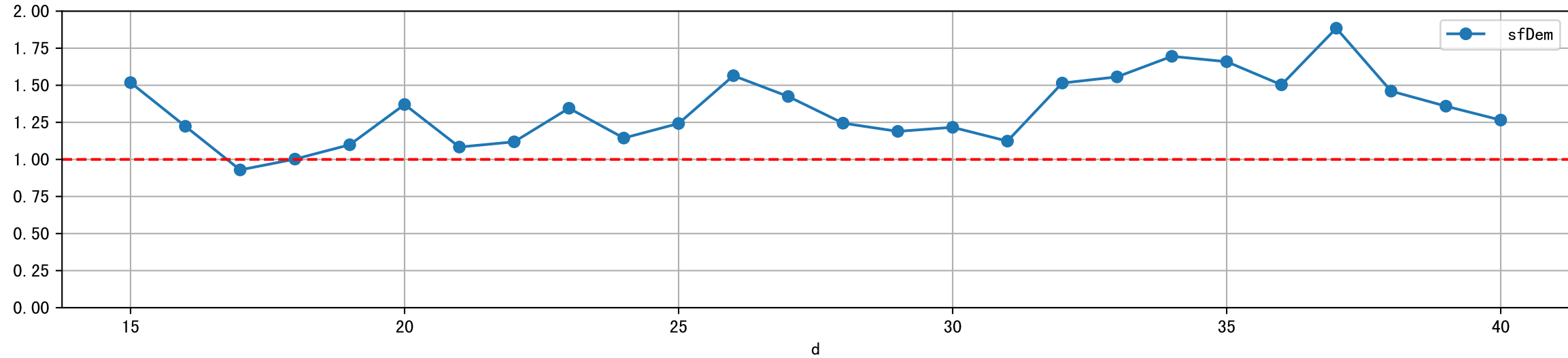
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

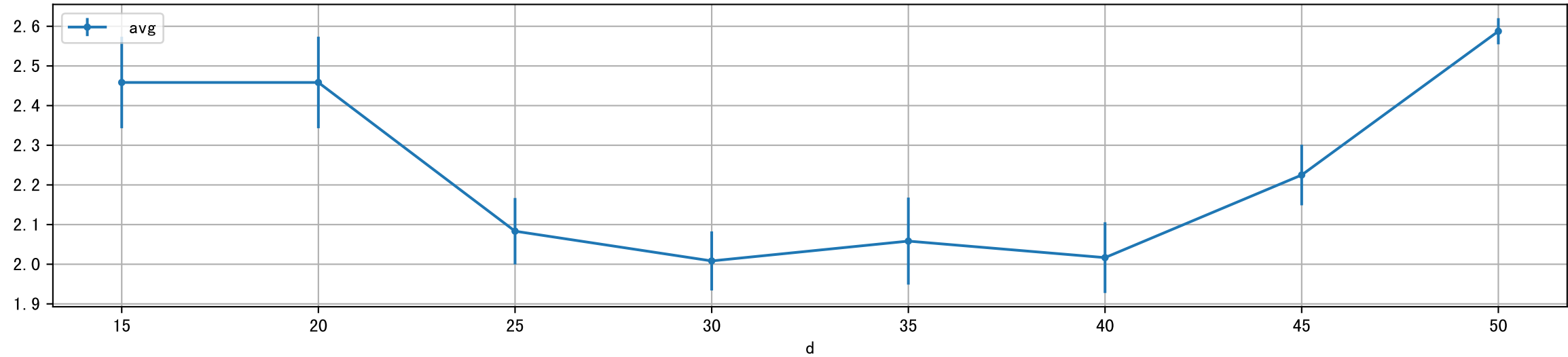


NdD: sfDem

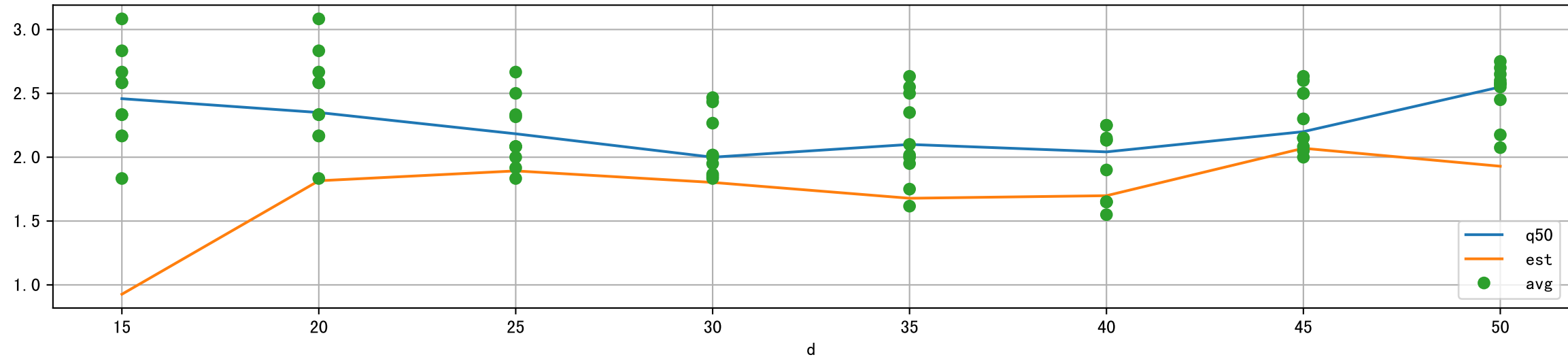




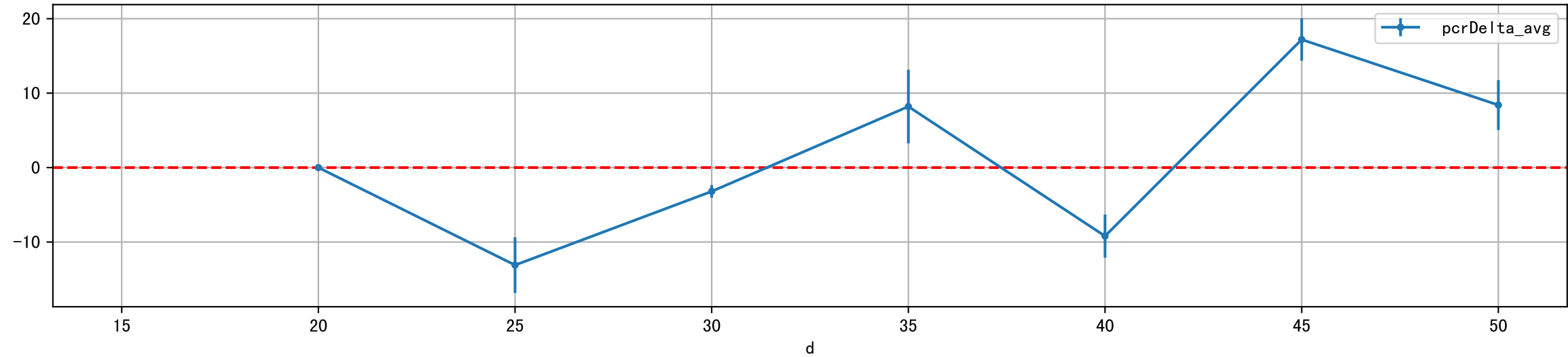
dStH: avg vs. d



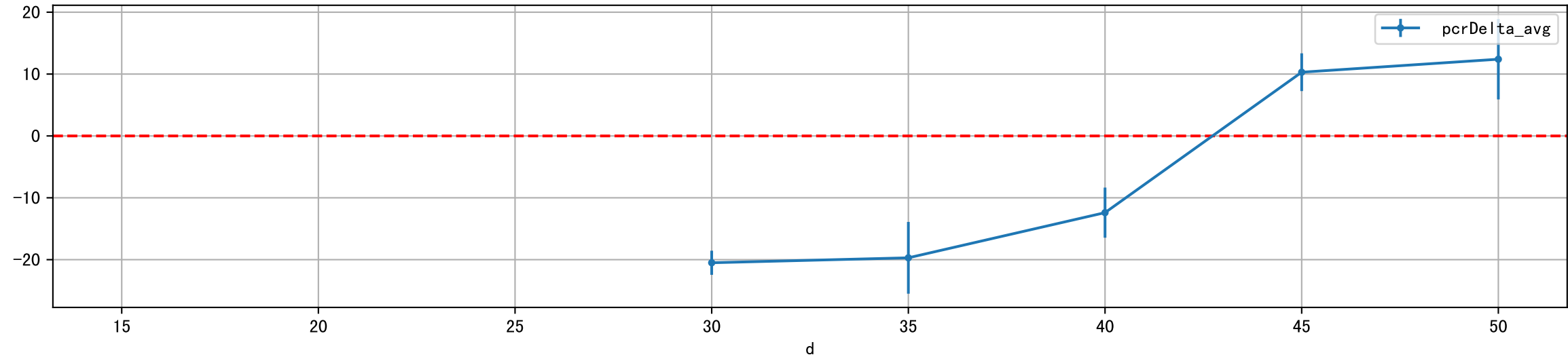
dStH: obsAvg vs obs0v@Q50



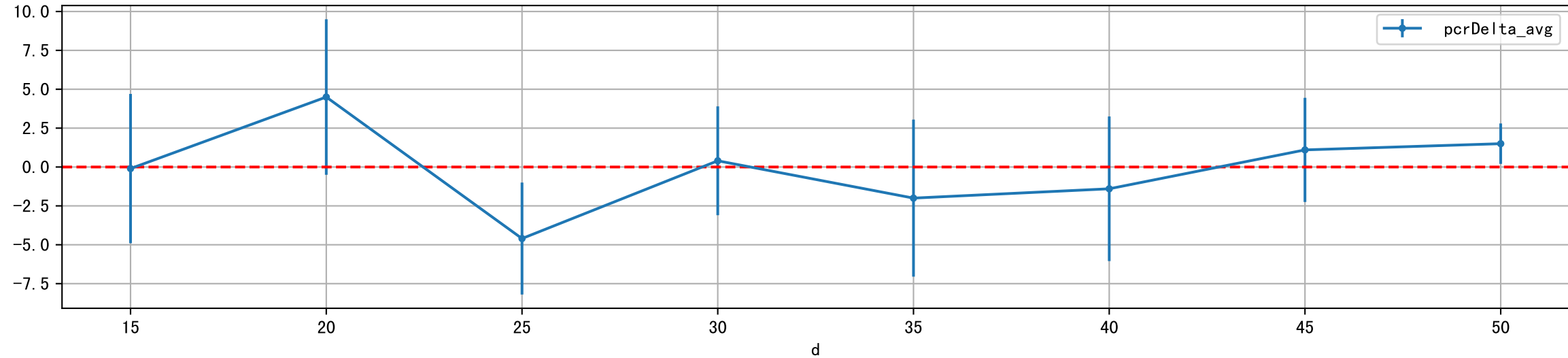
dStH: D_5d_StH



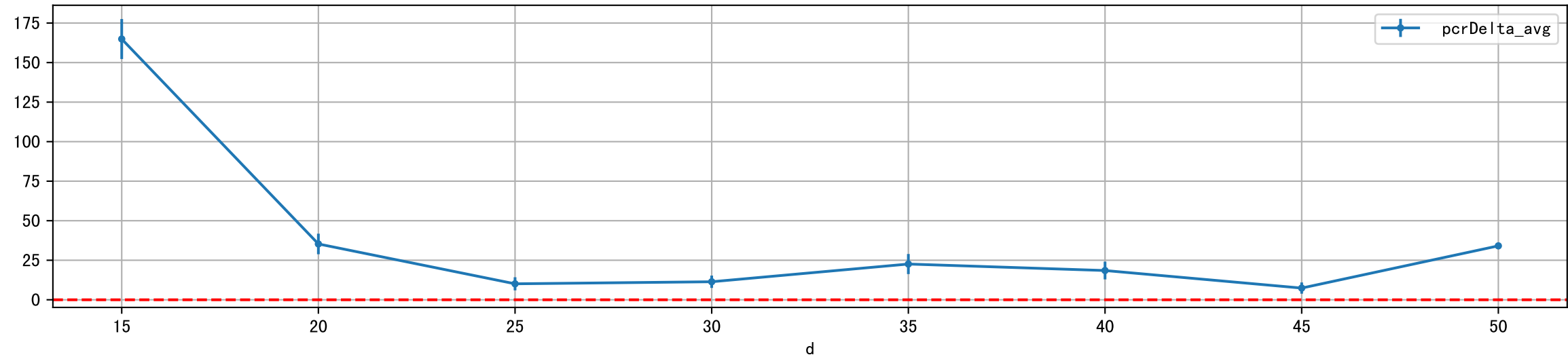
dStH: D_15d_StH



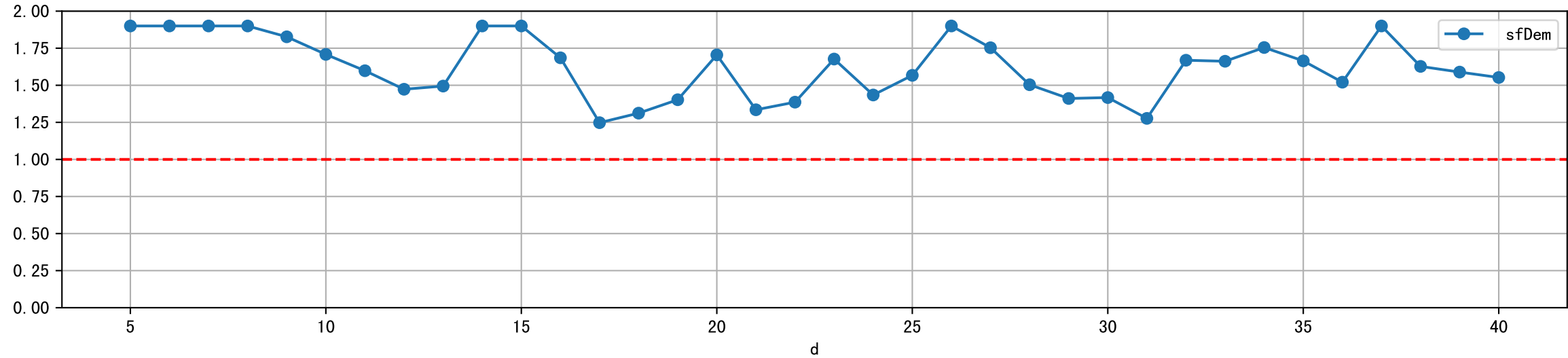
dStH: D_Q50_StH



dStH: D_Est_StH



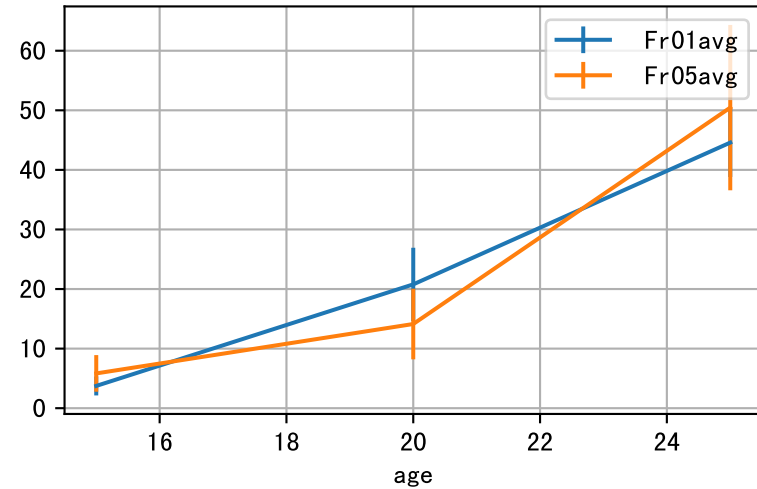
dStH: sfDem



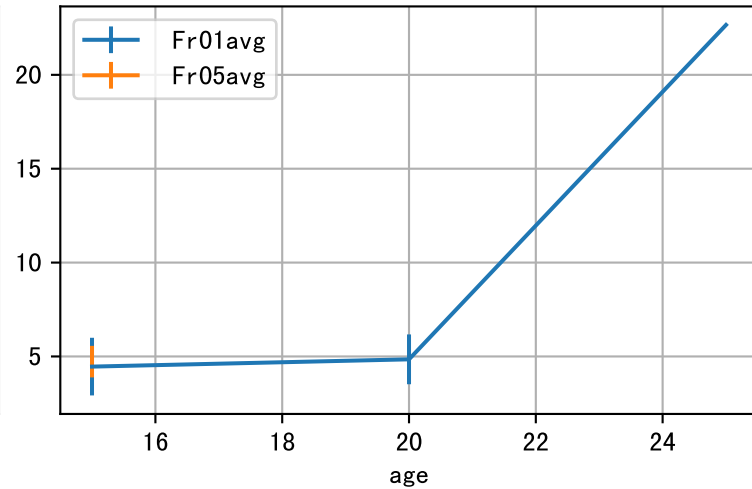


FrV: Fr01 vs Fr05 at each truss

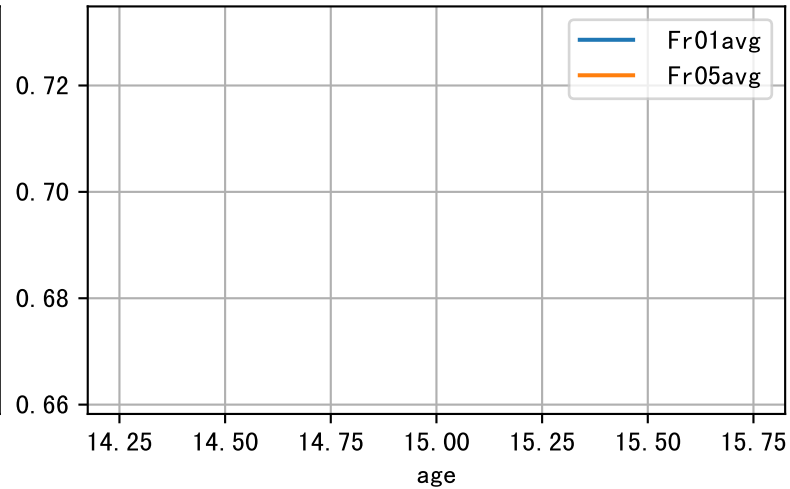
organID=T01



organID=T02

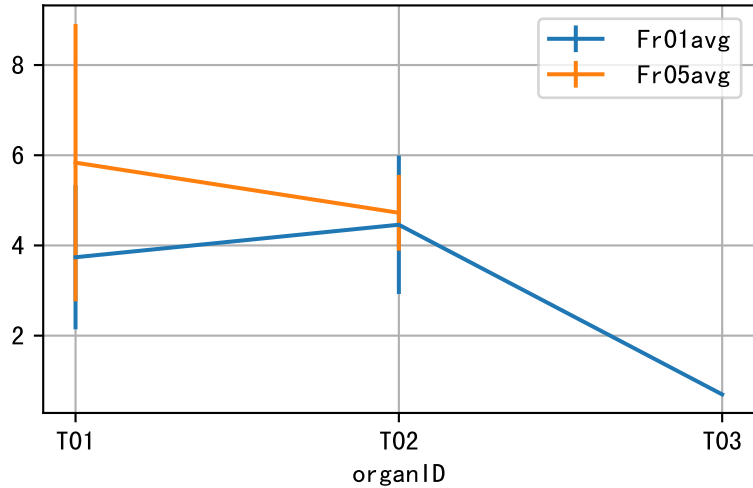


organID=T03

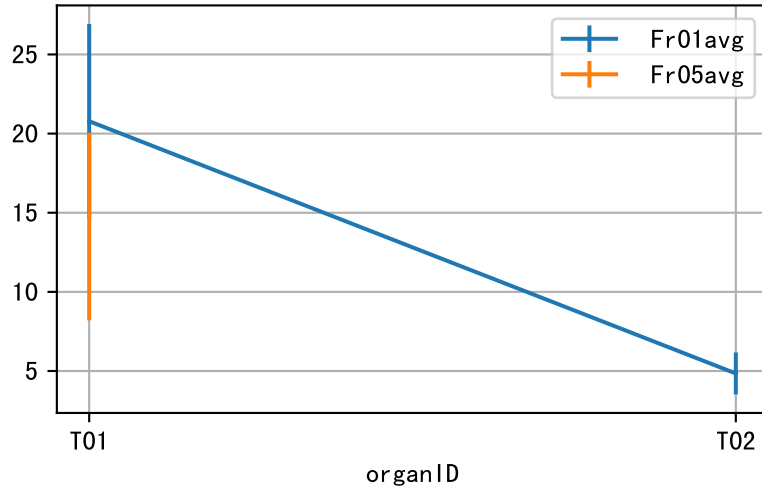


FrV trend at each age

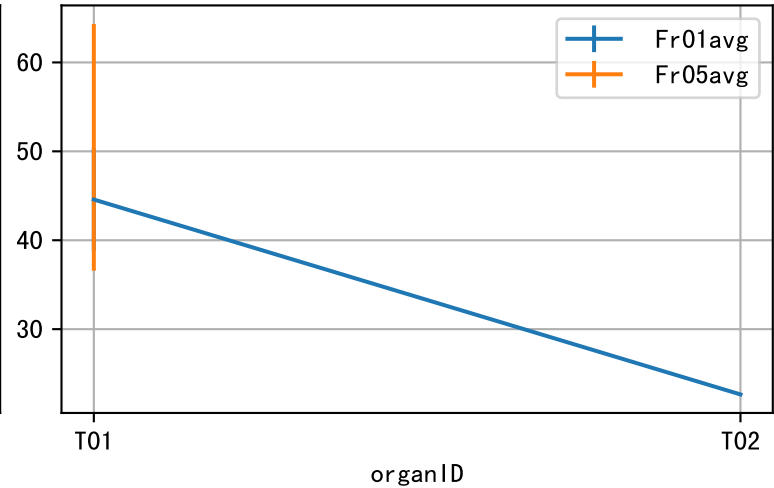
age=15



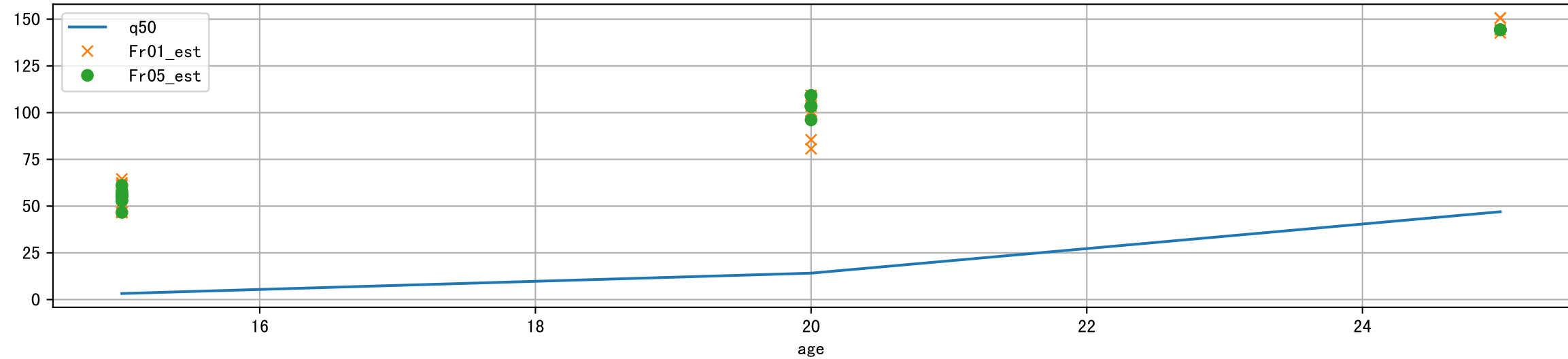
age=20



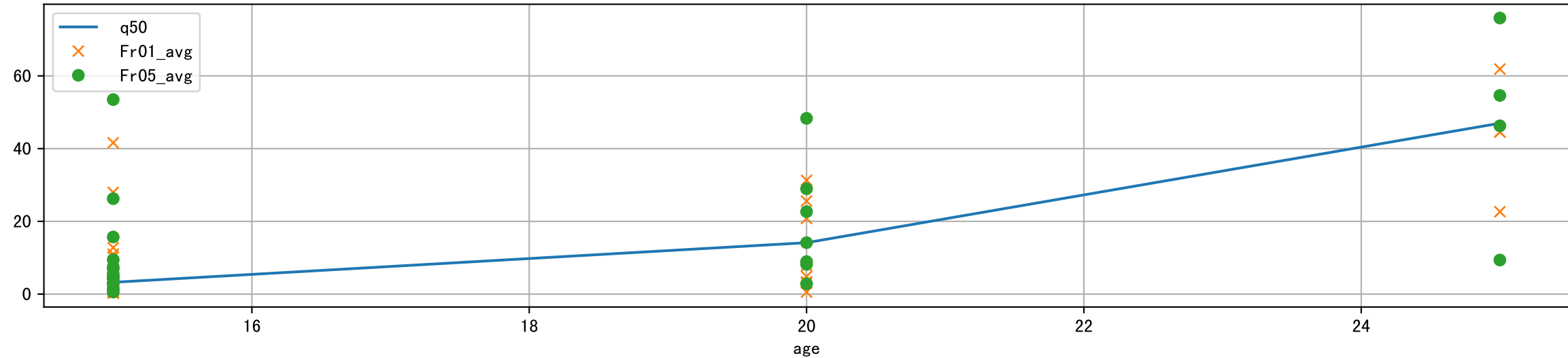
age=25



FrV: model Est vs obsFrV at Q90

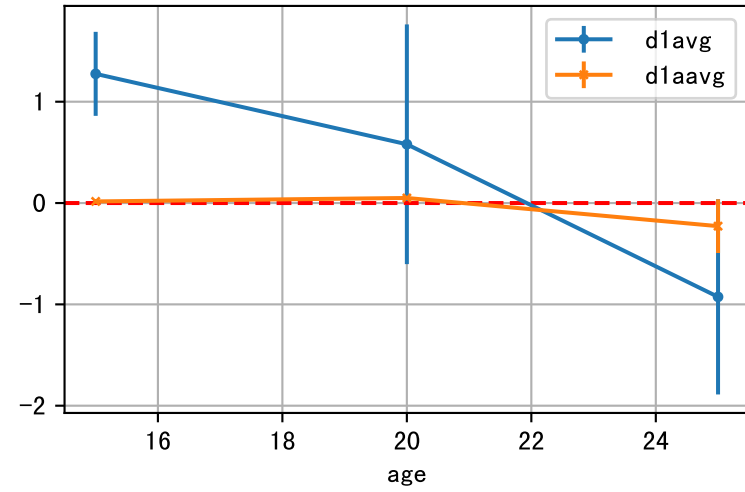


FrV: obsFrV vs obsFrV@Q90

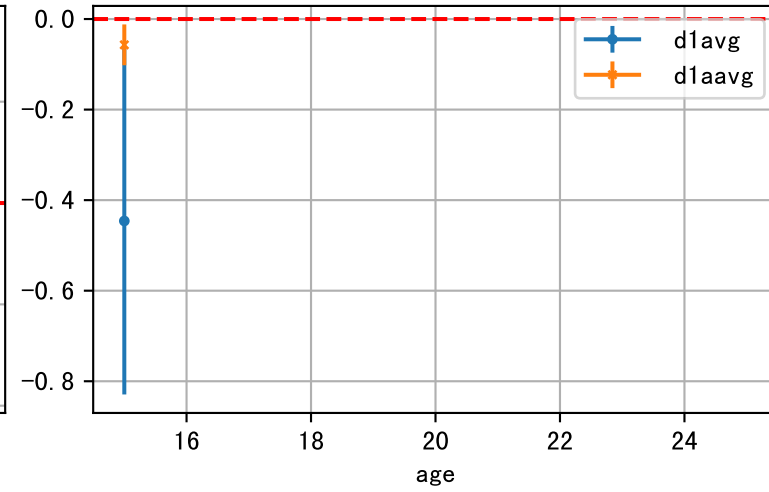


FrV: D_Fr1_FrV

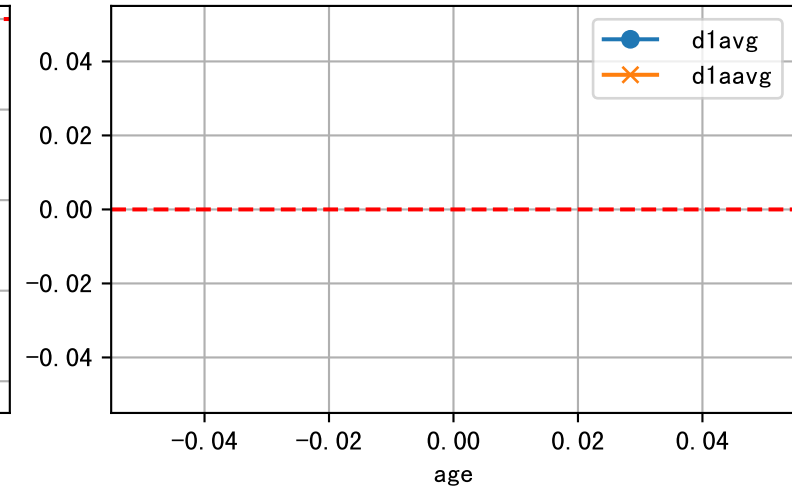
organID=1



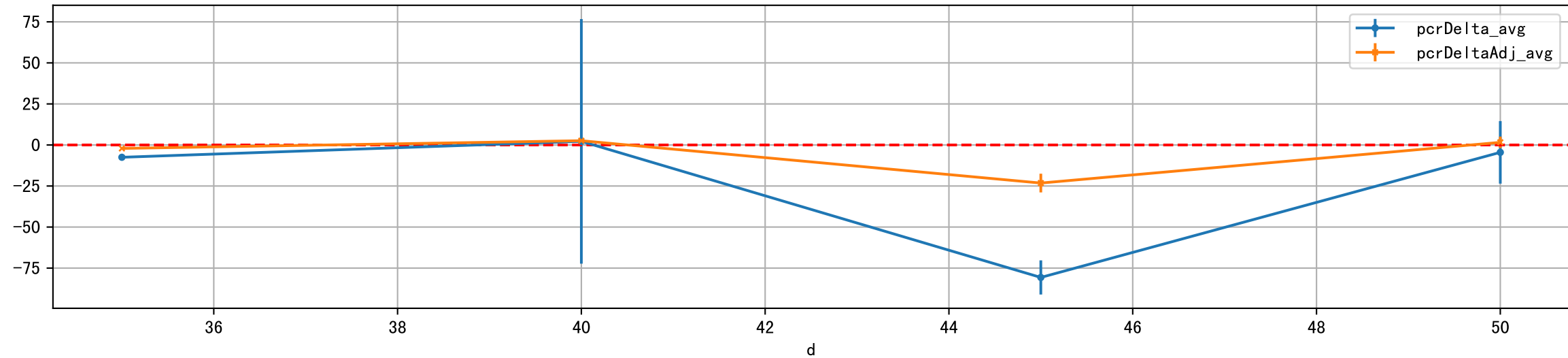
organID=2



organID=3

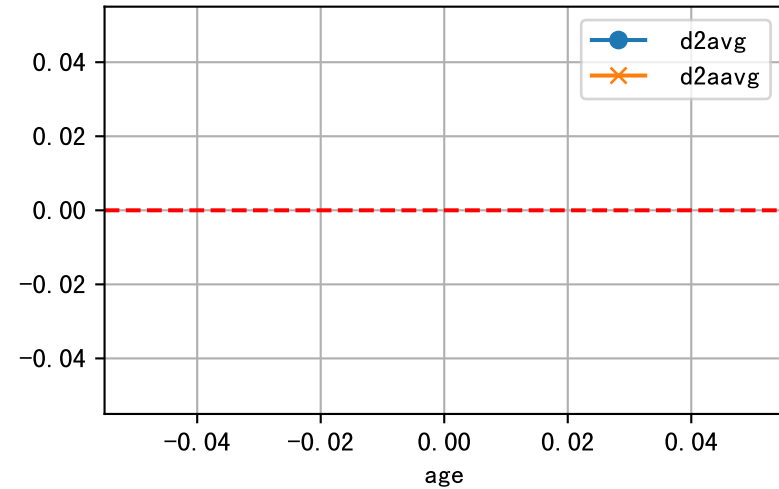


P3-6 FrV: D_Fr1_FrV

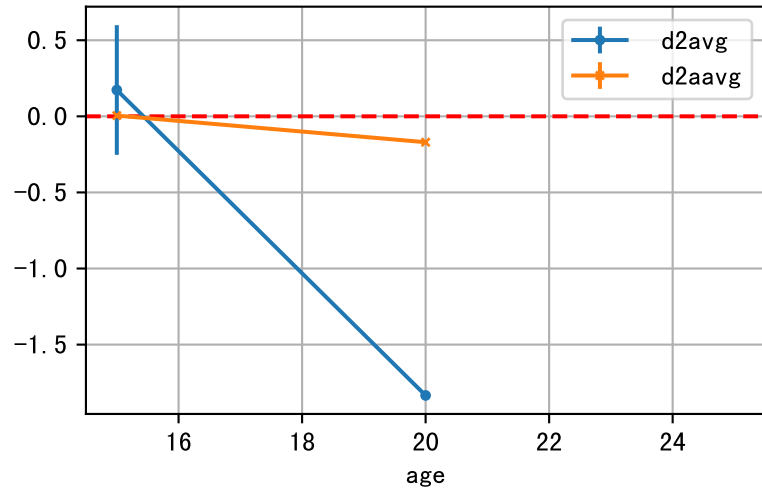


FrV: D_Ts_FrV

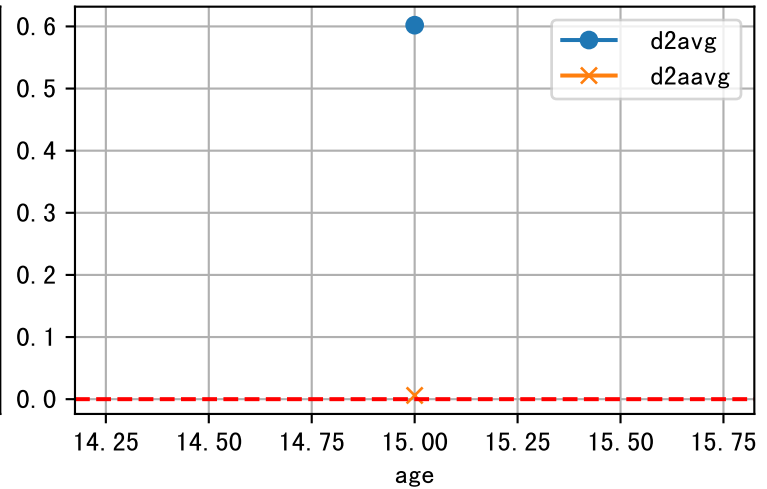
organID=1



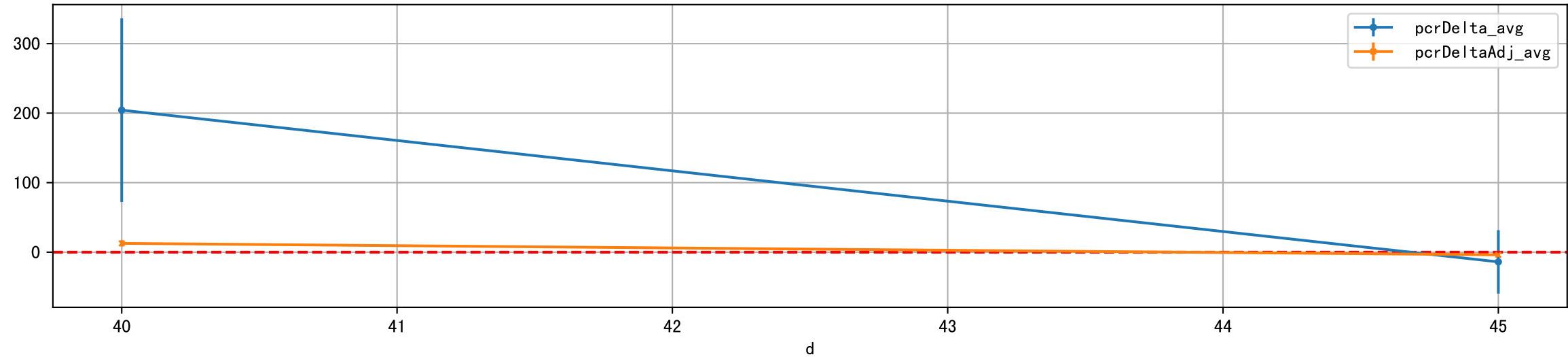
organID=2



organID=3

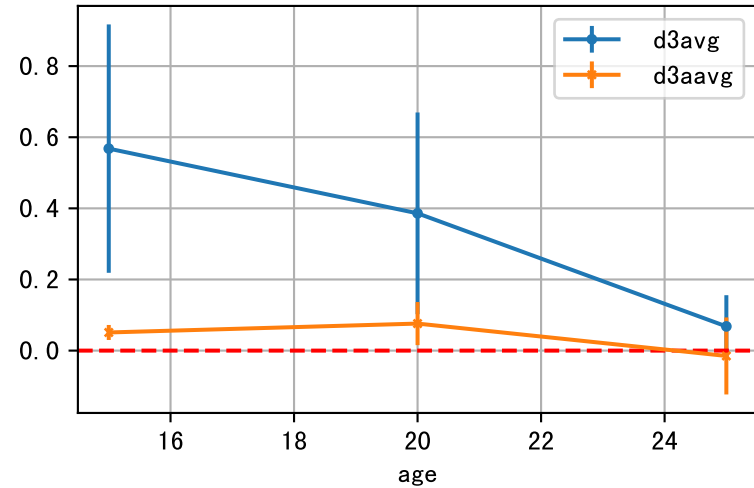


P3-6 FrV: D_Ts_FrV

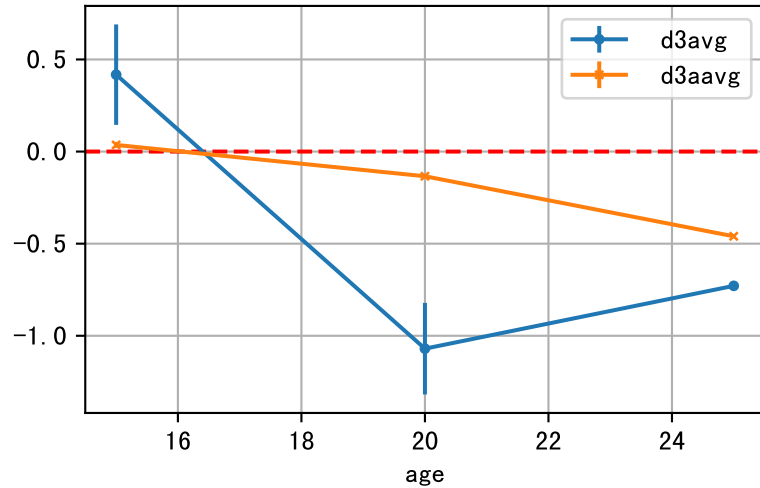


FrV: D_Q50_FrV

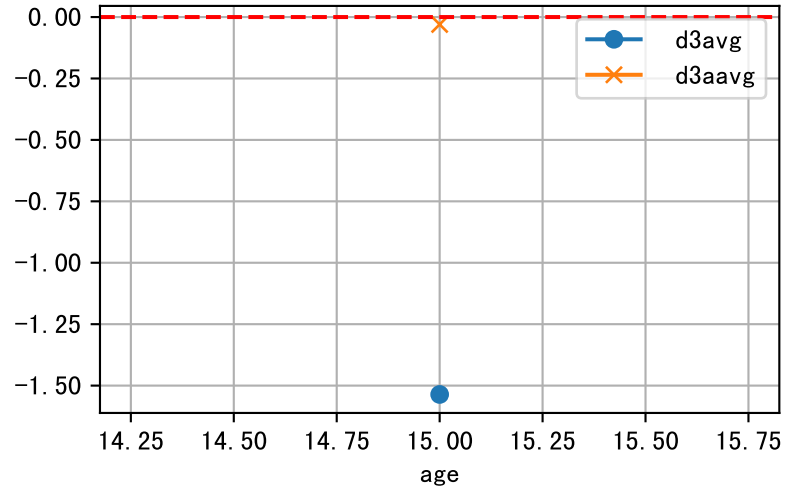
organID=1



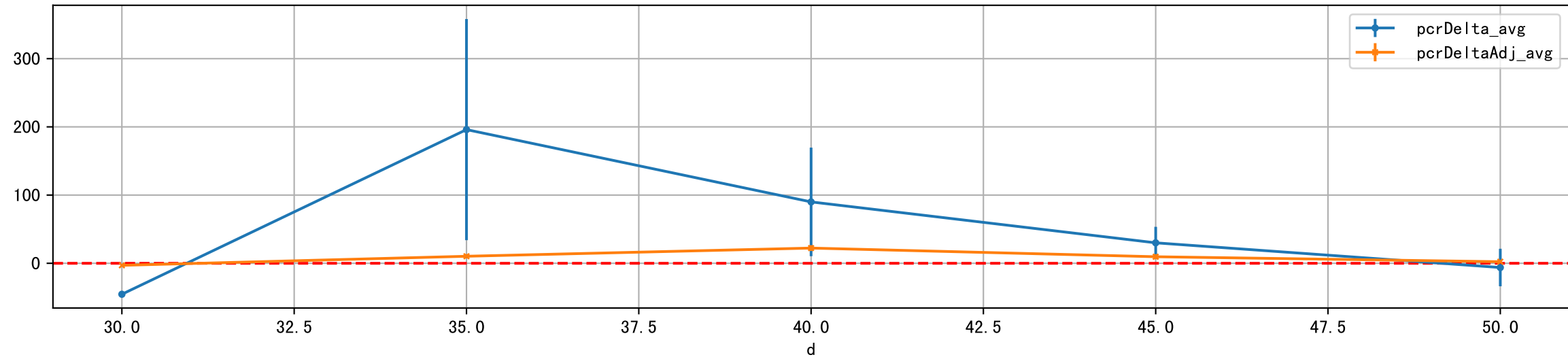
organID=2



organID=3

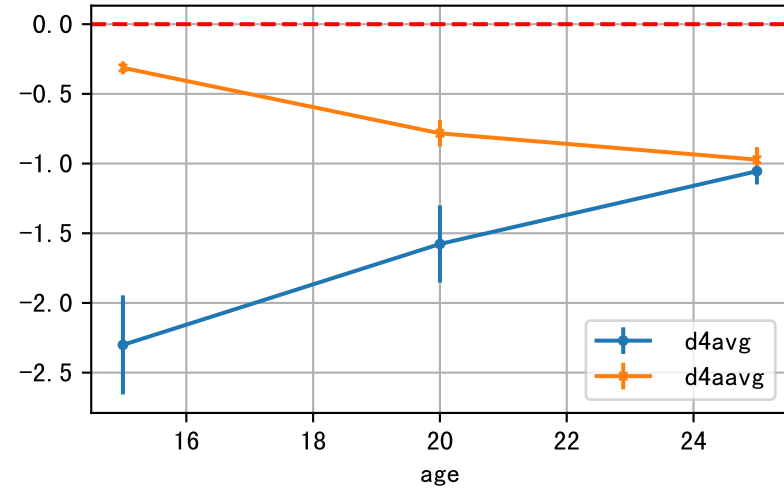


P3-6 FrV: D_Q50_FrV

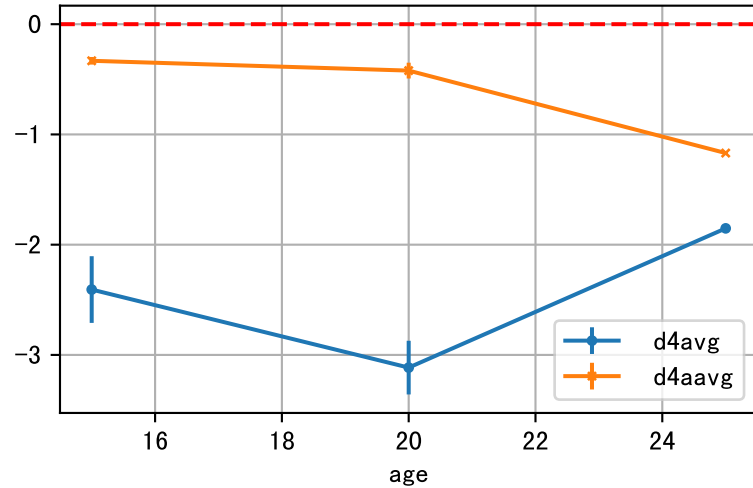


FrV: D_Est_FrV

organID=1



organID=2



organID=3

