

Phenotype Data Analysis Plots

PhenoData day range = 10 – 48

Analysis cutoff day = 48

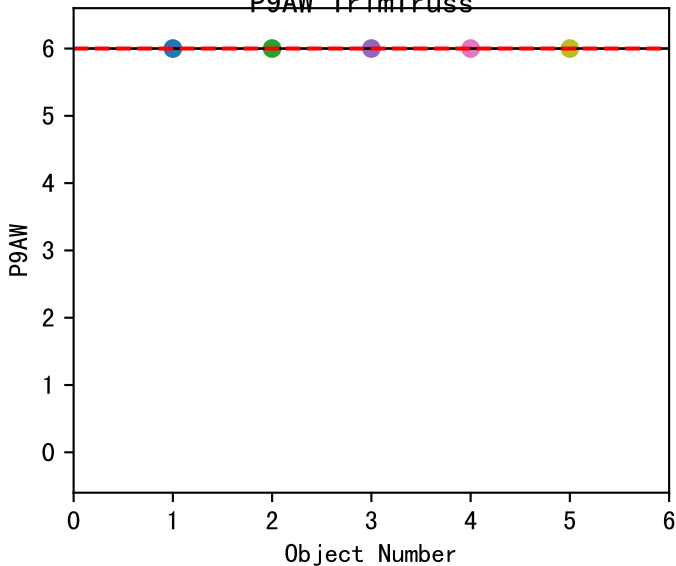
NC11 P9

2025-05-19 (Day 49)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

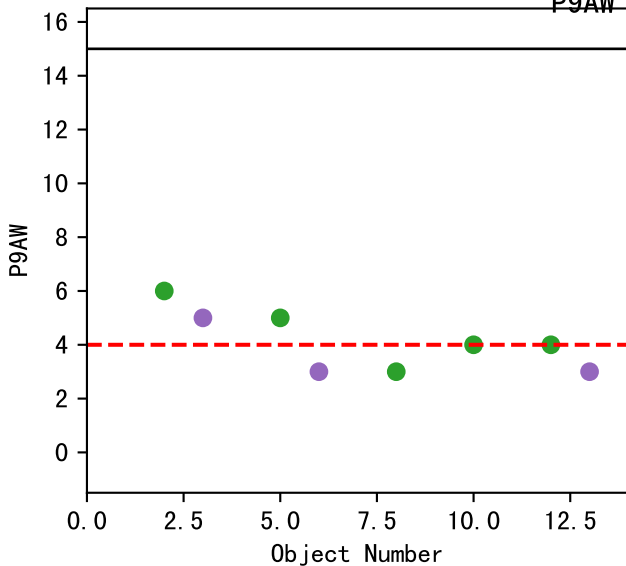
P9AW TrimTruss



FruitNumAvgPerTruss (Def=15 Set=4)

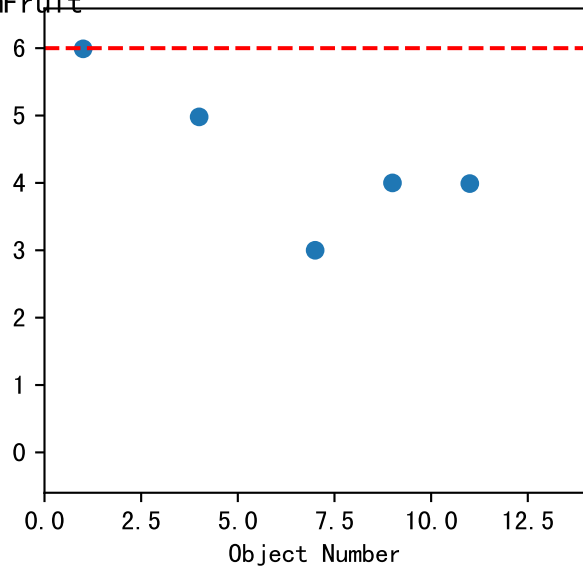
avg1=4.0~28% avg2=na

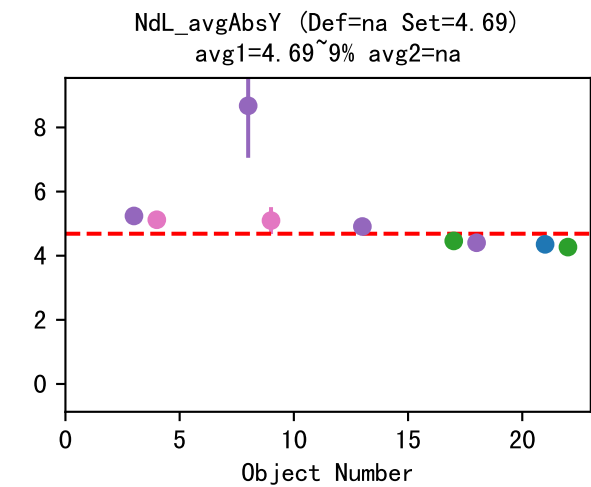
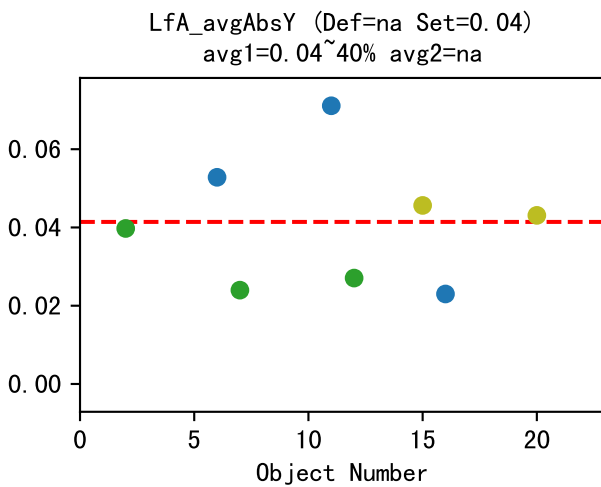
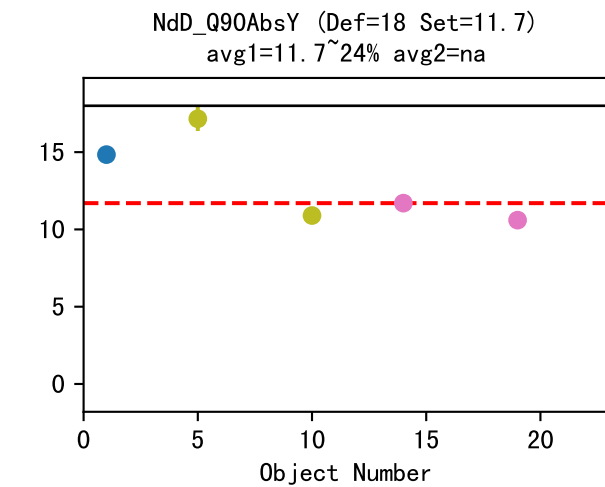
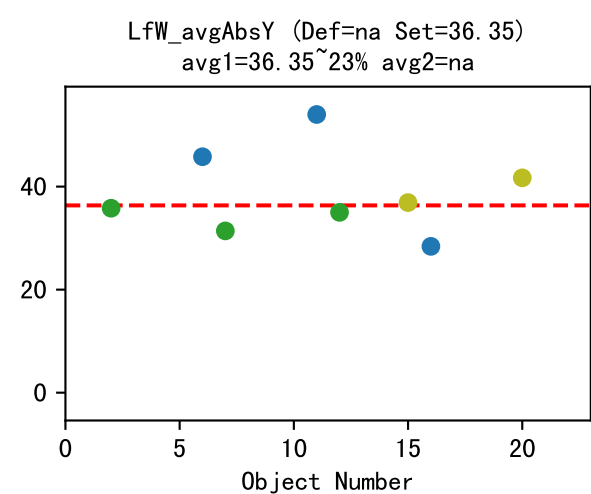
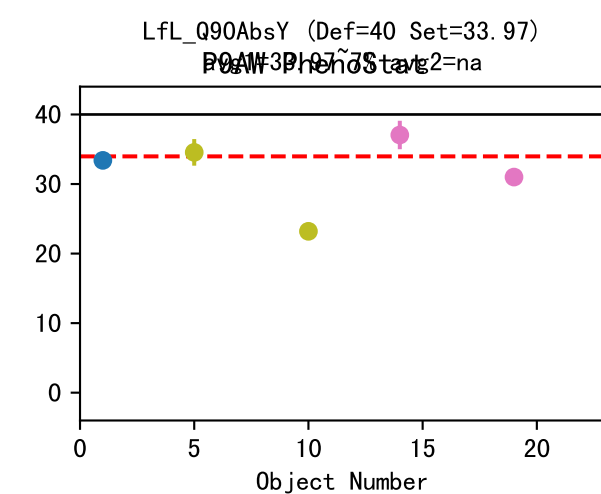
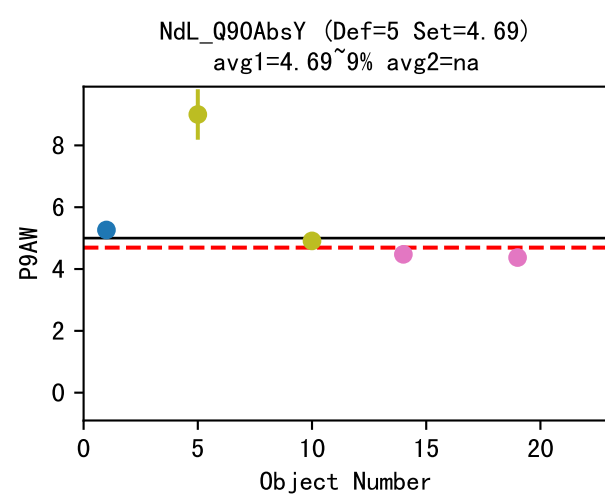
P9AW TrimFruit



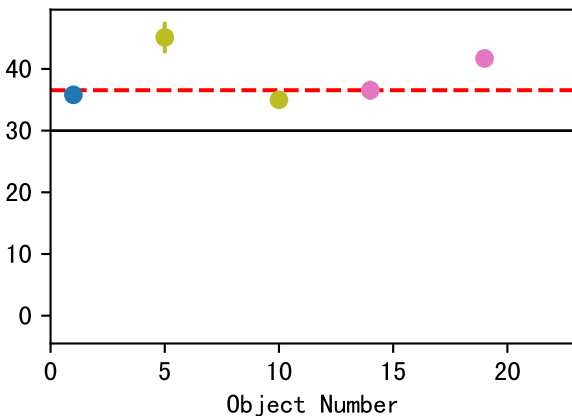
FruitNumMaxPerTruss (Def=na Set=6)

avg1=6.0~20% avg2=na

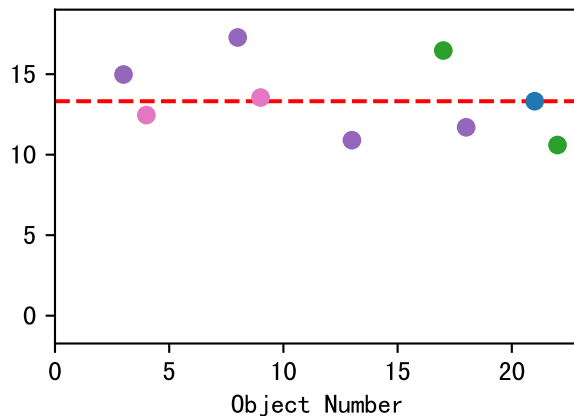




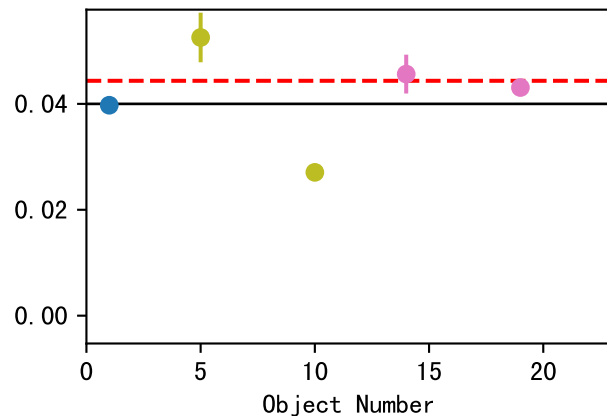
LfW_Q90AbsY (Def=30 Set=36.55)
avg1=36.55~12% avg2=na



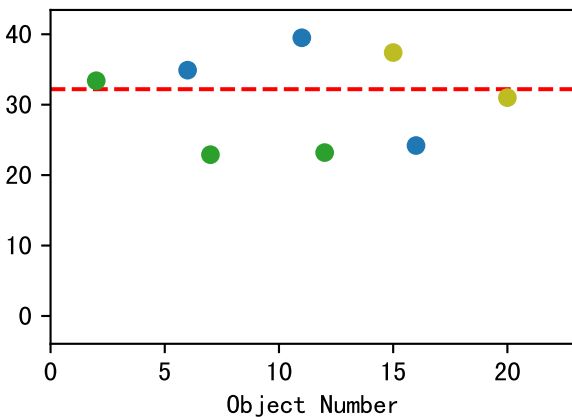
NdD_avgAbsY (Def=na Set=13.32)
avg1=13.32~18% avg2=na



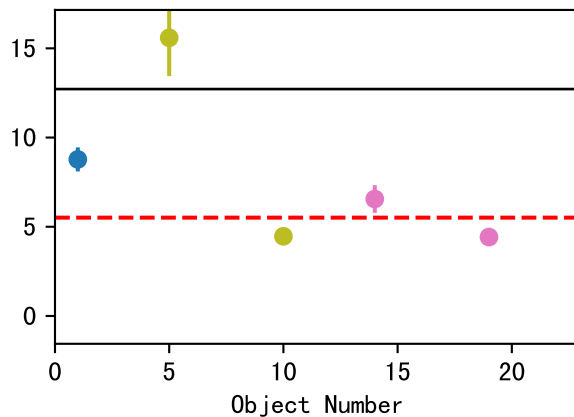
LfA_Q90AbsY (Def=0.04 Set=0.03)
avg1=0.04~12% avg2=na



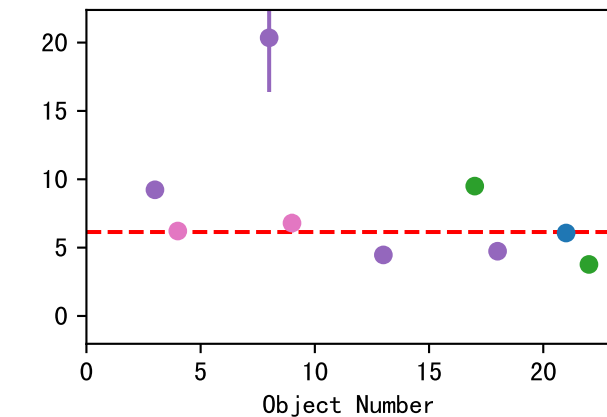
LfL_avgAbsY (Def=na Set=32.2)
avg1=32.2~21% avg2=na



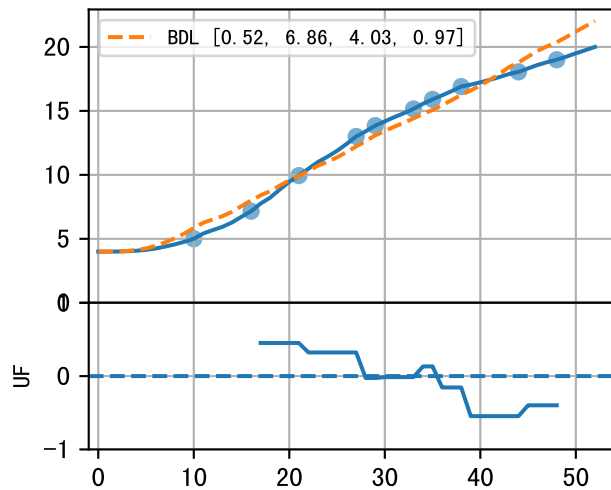
NdV_Q90AbsY (Def=12.72 Set=12.72)
avg1=5.51~38% avg2=na



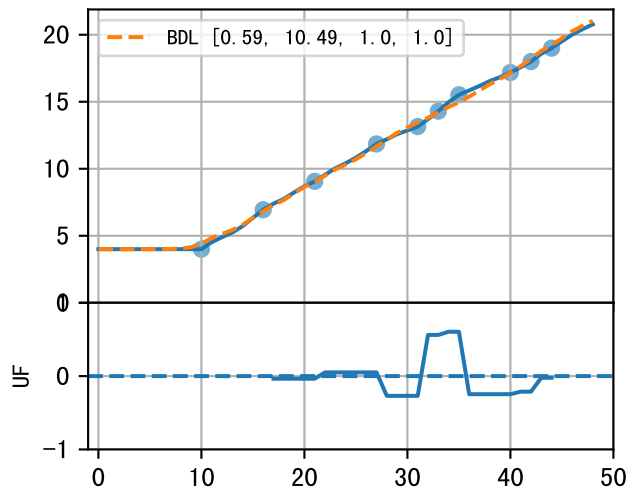
NdV_avgAbsY (Def=na Set=6.14)
avg1=6.14~34% avg2=na



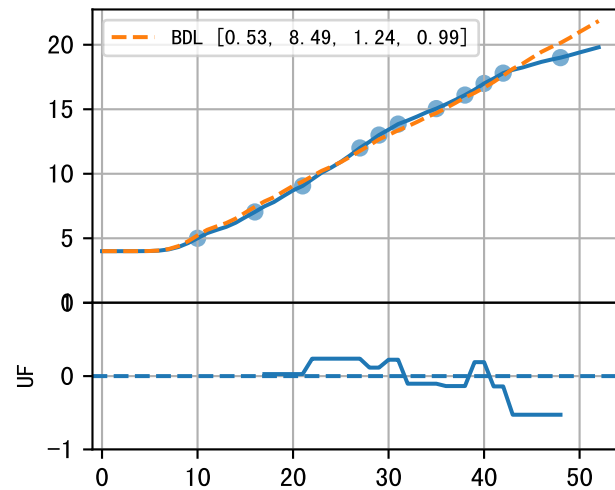
P9AW-005-13 (fit failed)



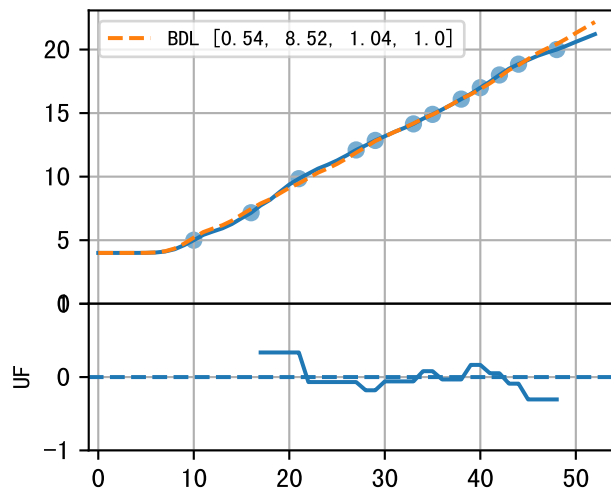
P9AW-017-26 (fit failed)



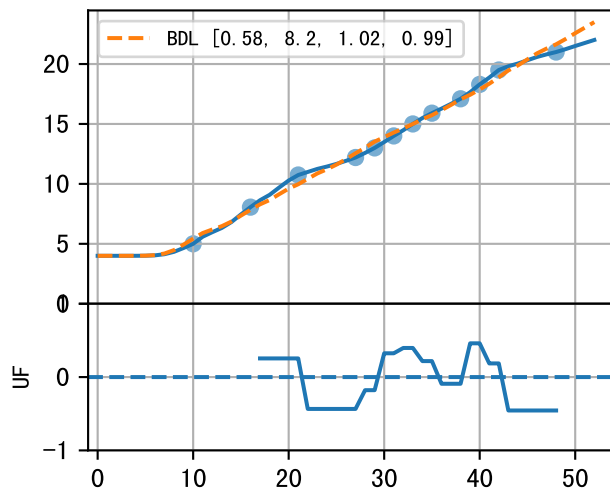
P9AW-029-11 (fit failed)



P9AW-040-22 (fit failed)



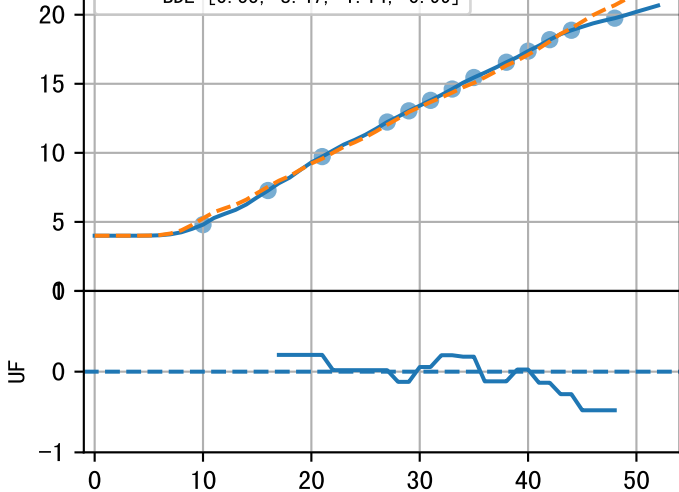
P9AW-052-18 (fit failed)



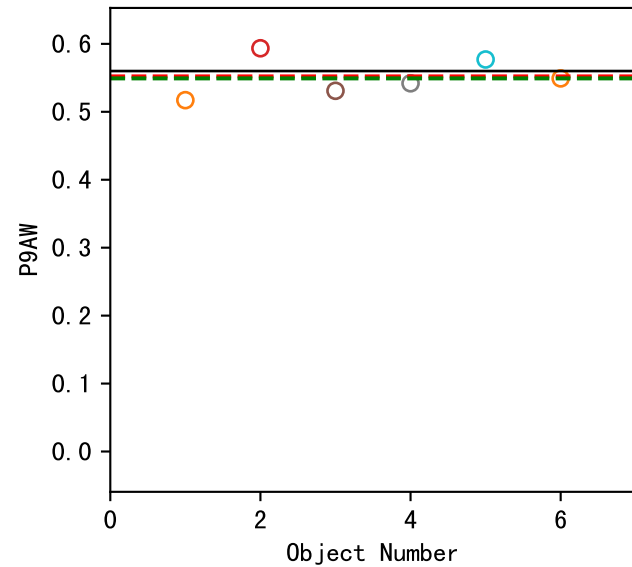
P9AWavg (fit failed)

NdN

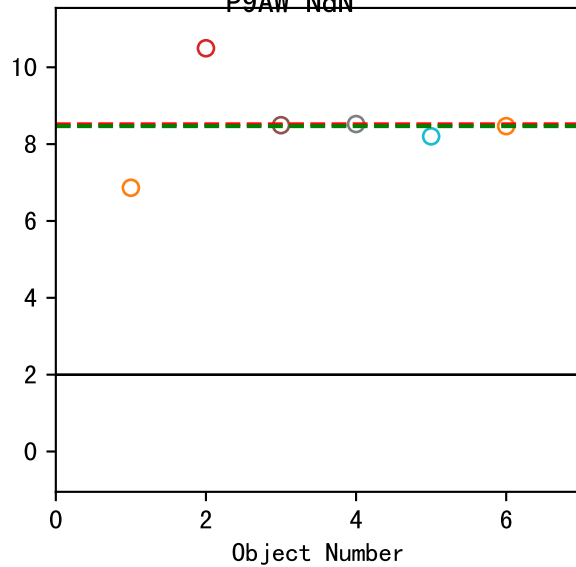
BDL [0.55, 8.47, 1.14, 0.99]



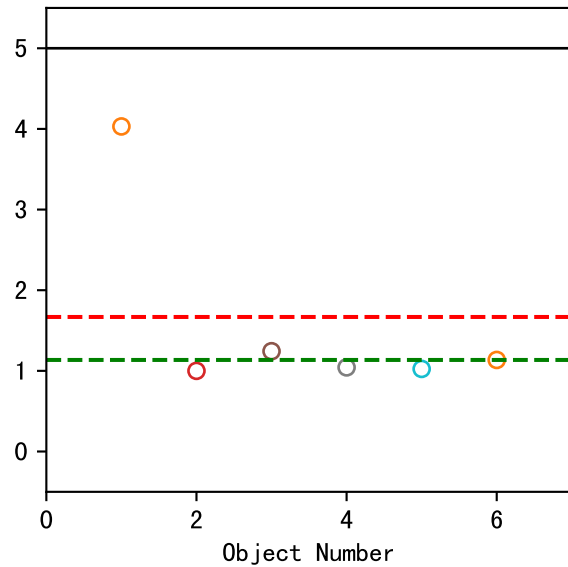
a (Def=0.56 Set=0.55)
avg1=0.55(fail) avg2=0.55



dm (Def=2 Set=8.47)
avg1=8.52(fail) avg2=8.47



de (Def=5 Set=1.14)
avg1=1.67(fail) avg2=1.14



InitDev_dm (Def=2 Set=9.35)

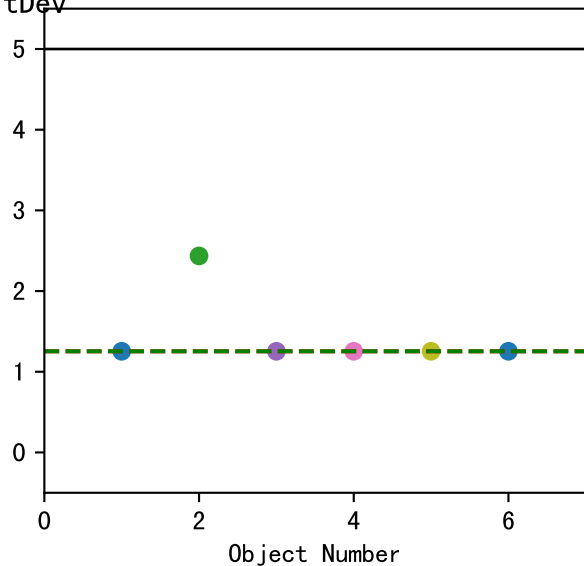
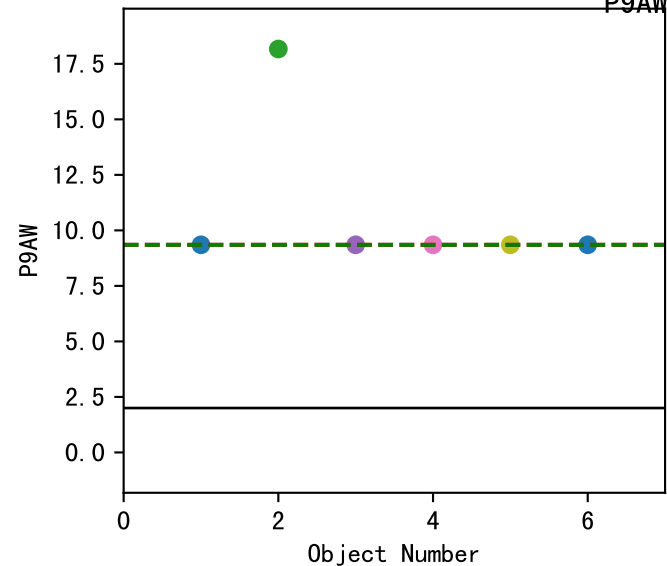
avg1=9.35~0% avg2=9.35

P9AW

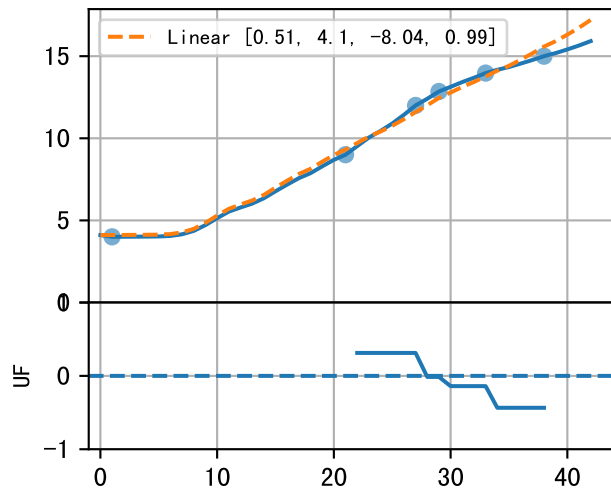
InitDev

InitDev_de (Def=5 Set=1.25)

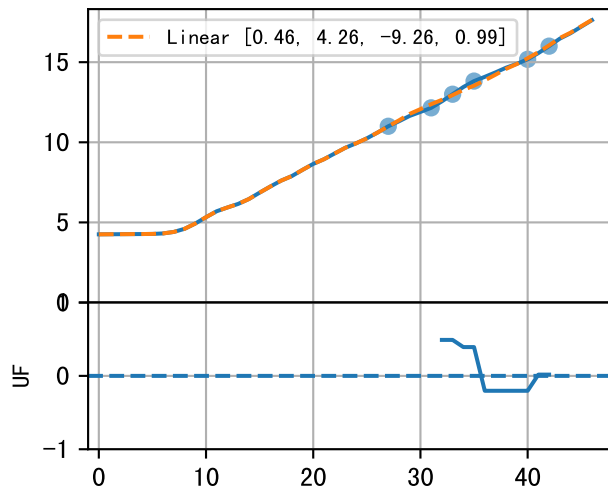
avg1=1.25~0% avg2=1.25



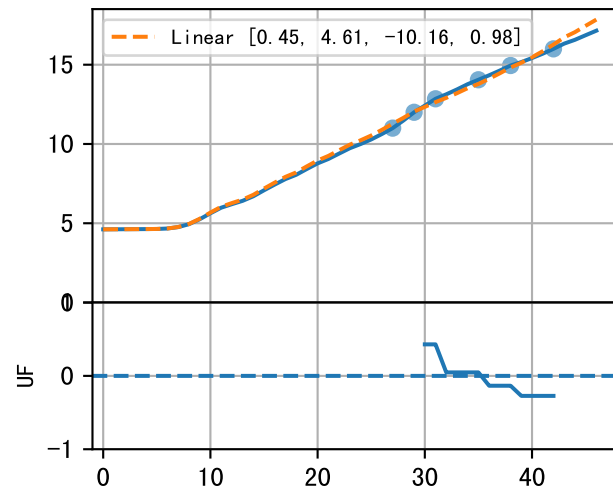
P9AW-005-13



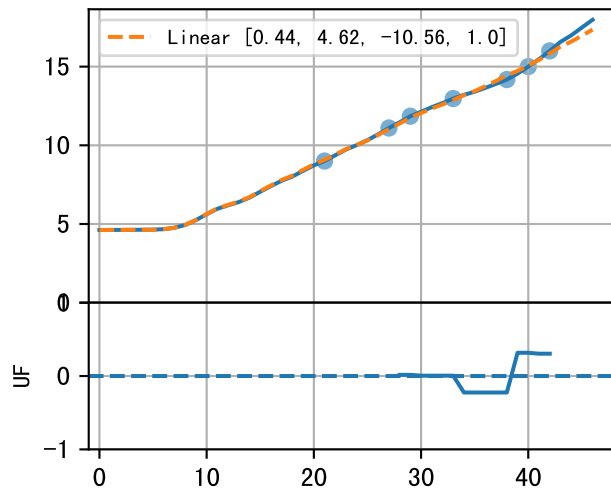
P9AW-017-26



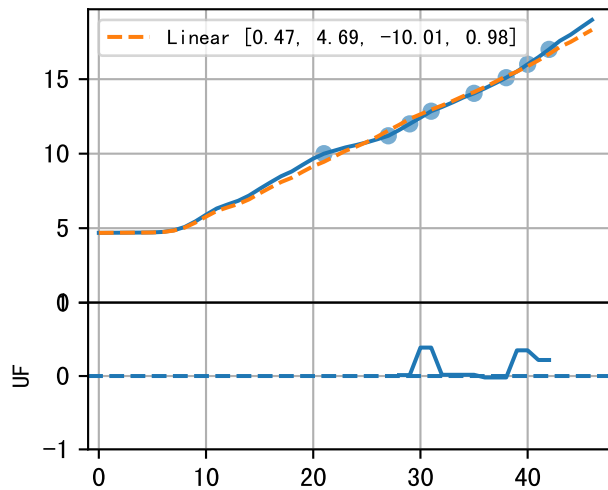
P9AW-029-11



P9AW-040-22



P9AW-052-18



P9AWavg
Lfn

Linear [0.45, 4.65, -10.23, 1.0]

UF

15

10

5

0

0

-1

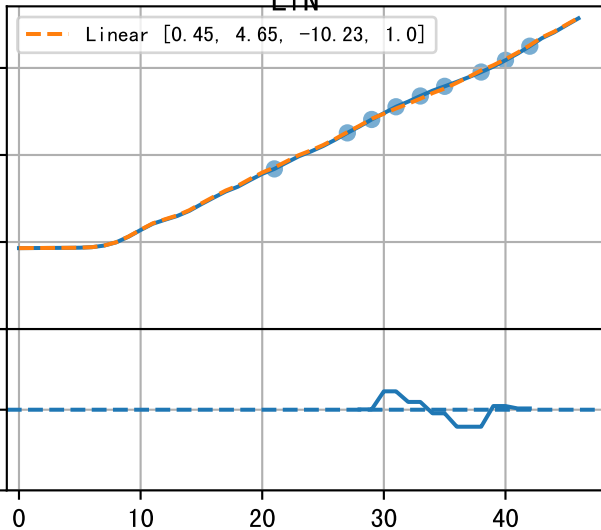
0

10

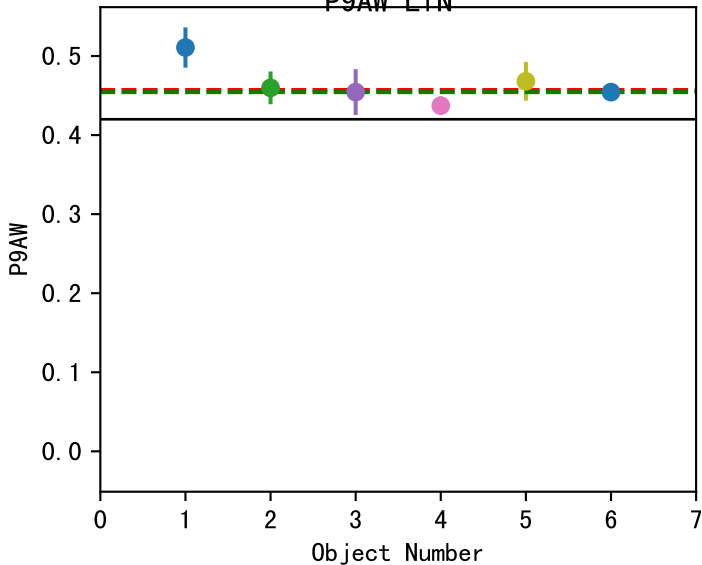
20

30

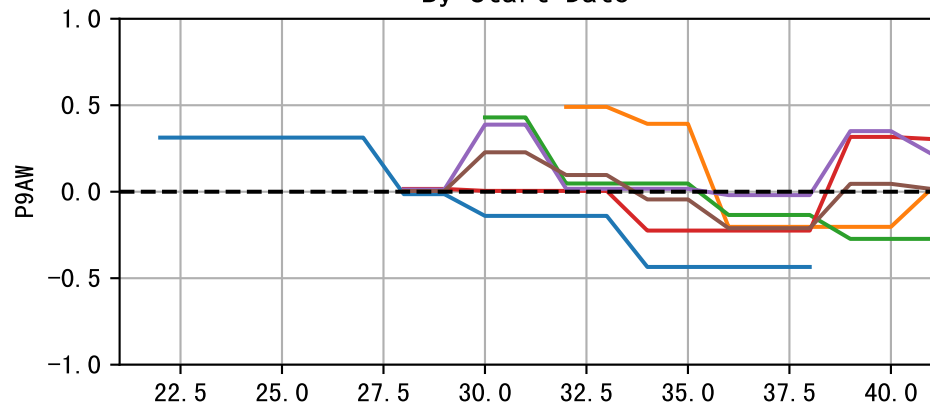
40



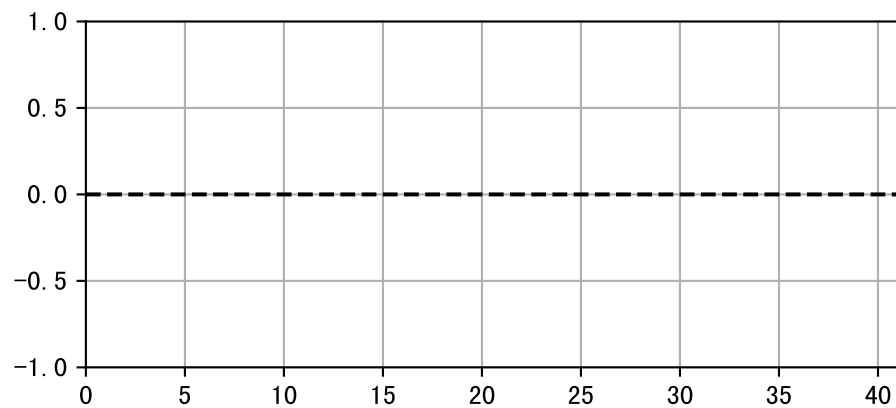
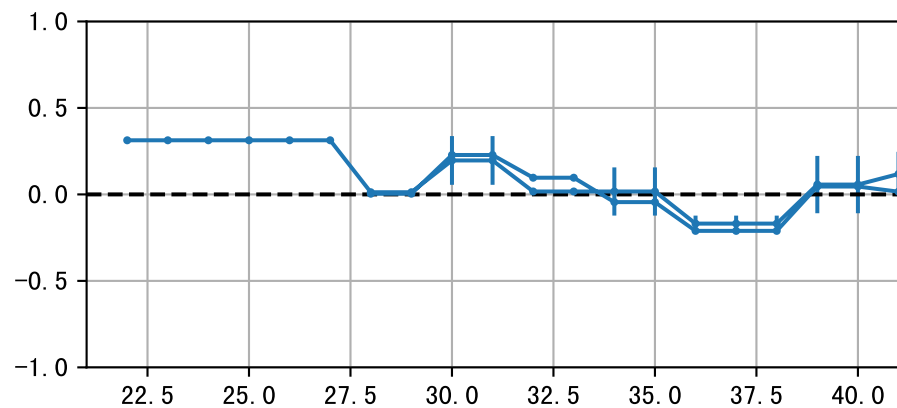
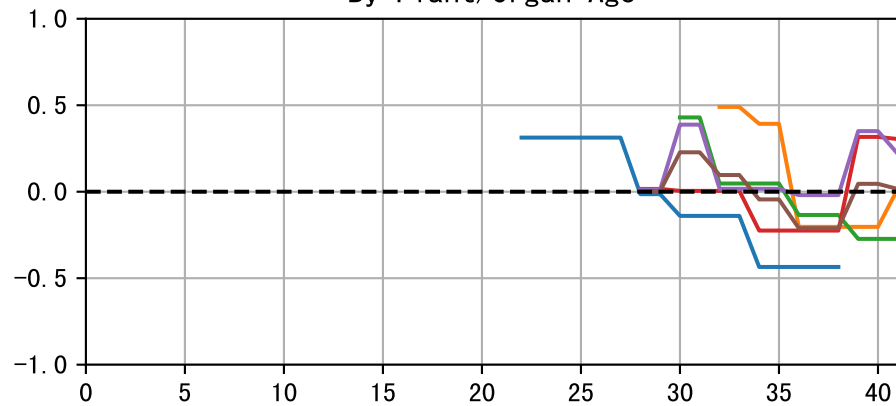
a (Def=0.42 Set=0.45)
avg1=0.46 $\sim$ 3% avg2=0.45 $\sim$ 4%
P9AW LfN



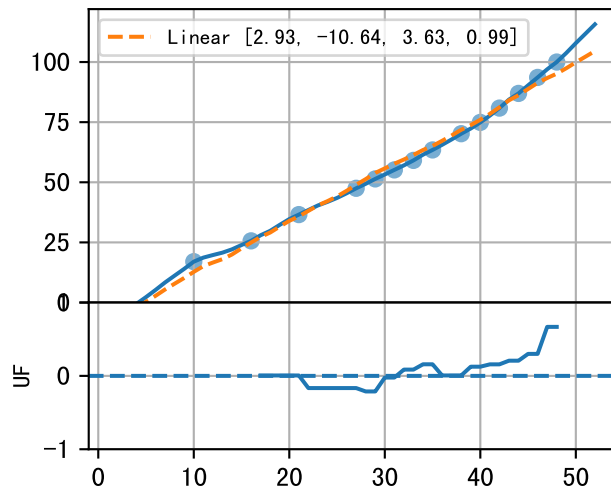
By Start Date



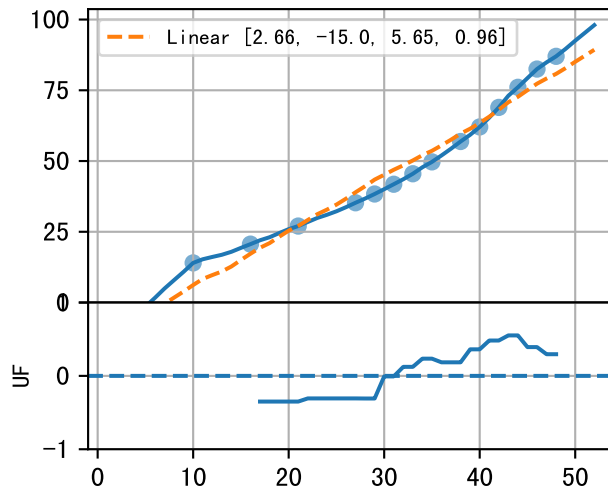
By Plant/Organ Age



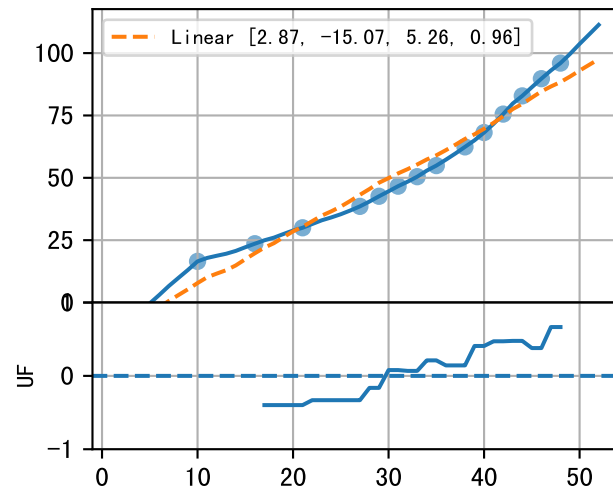
P9AW-005-13



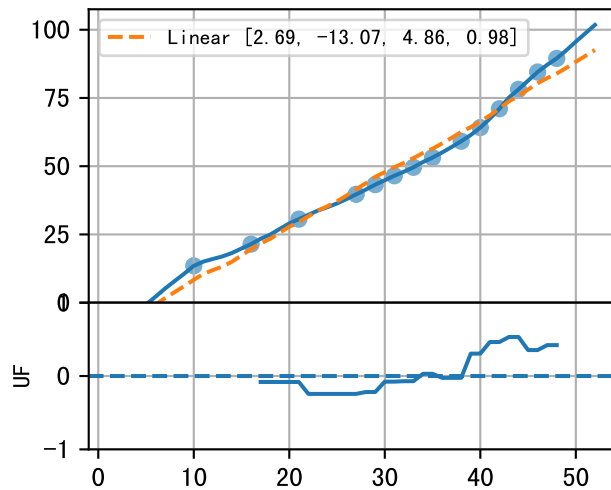
P9AW-017-26



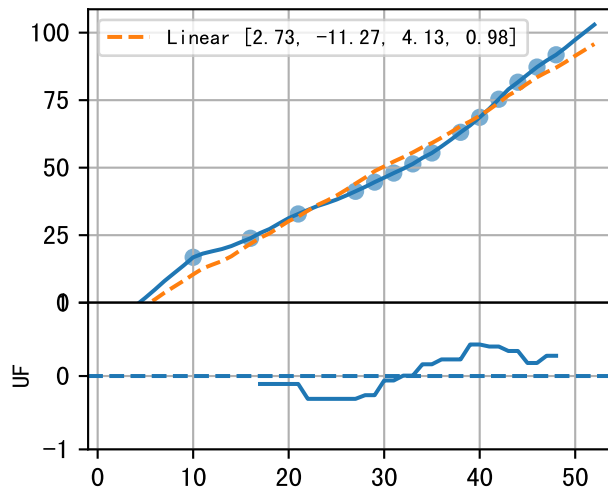
P9AW-029-11



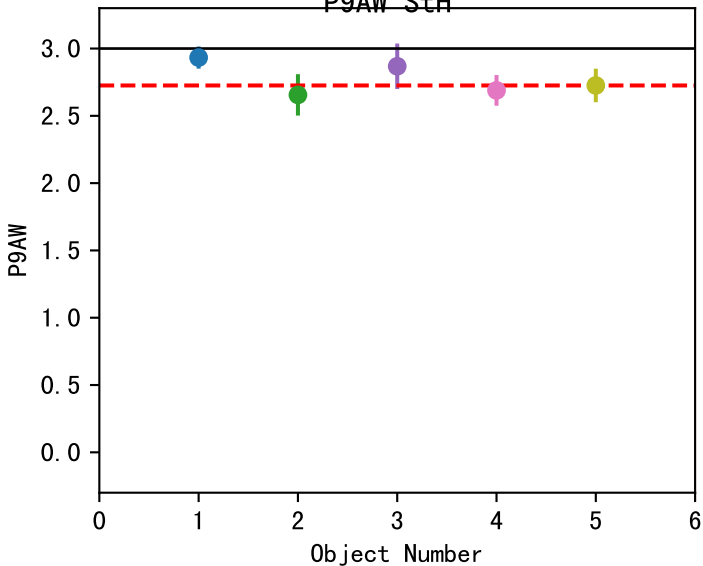
P9AW-040-22



P9AW-052-18

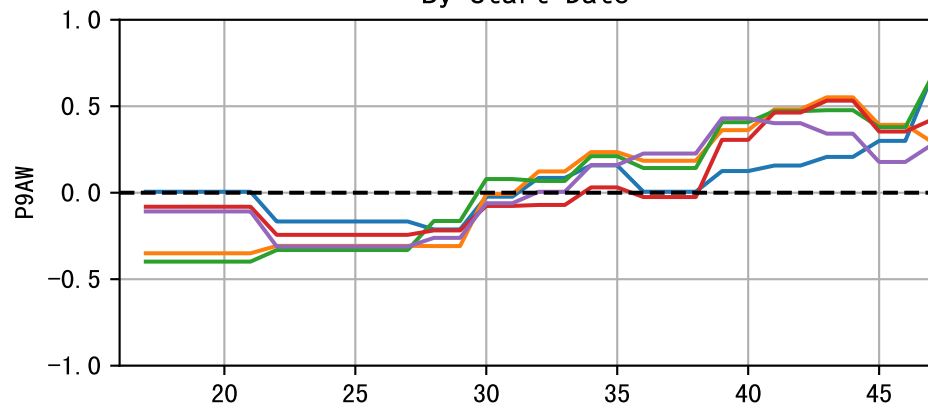


a (Def=3 Set=2.73)
avg1=2.73~4% avg2=na

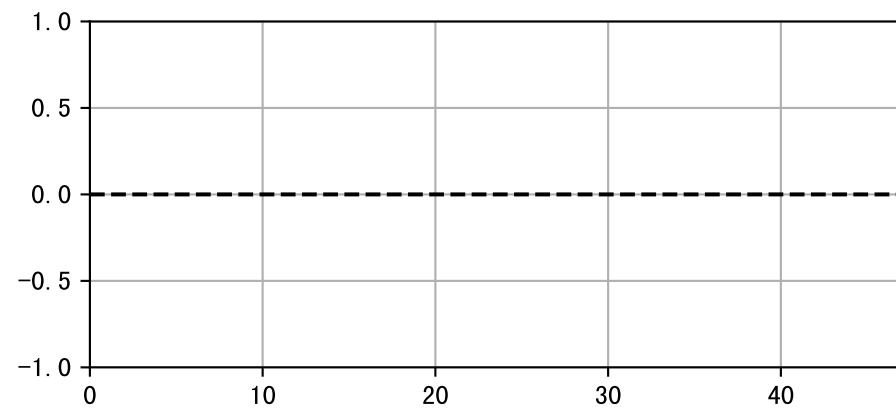
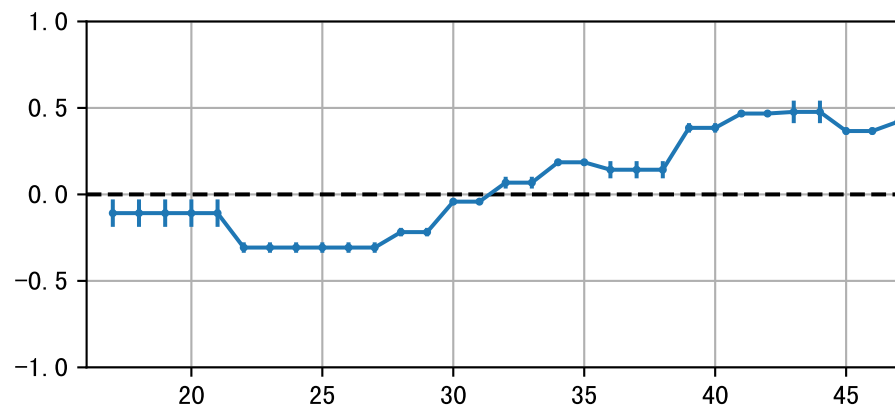
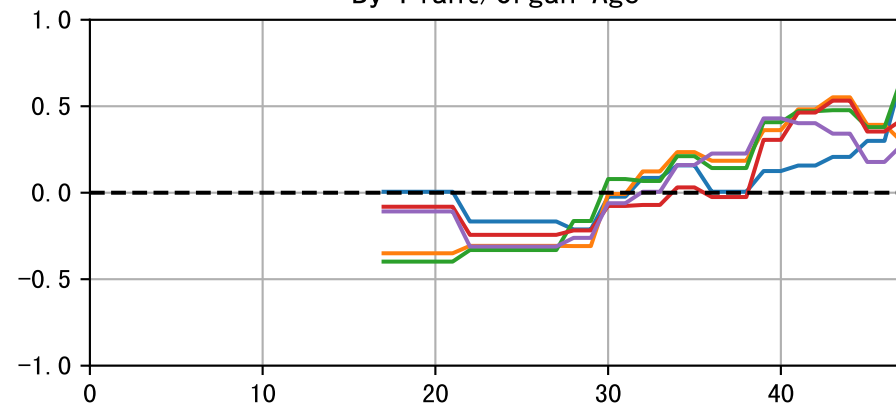


StH

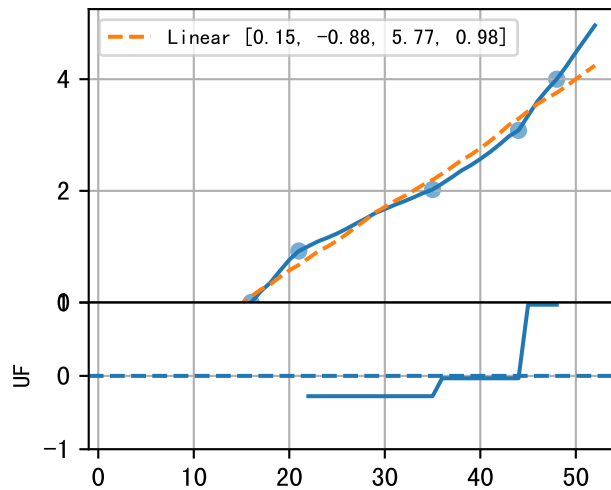
By Start Date



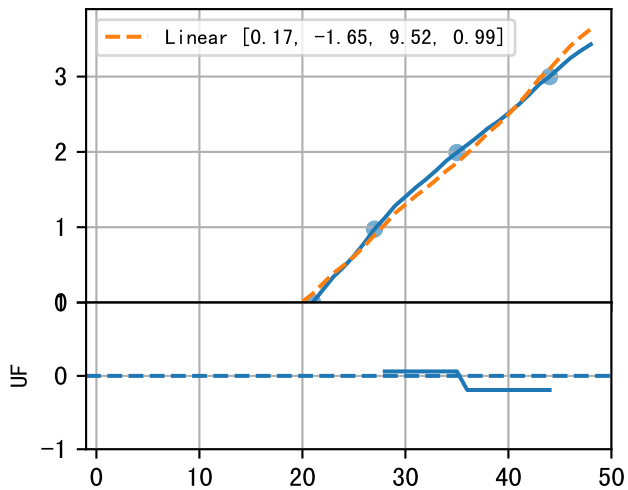
By Plant/Organ Age



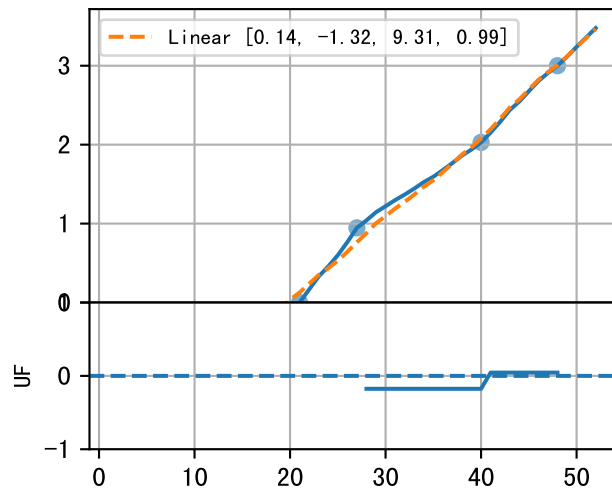
P9AW-005-13



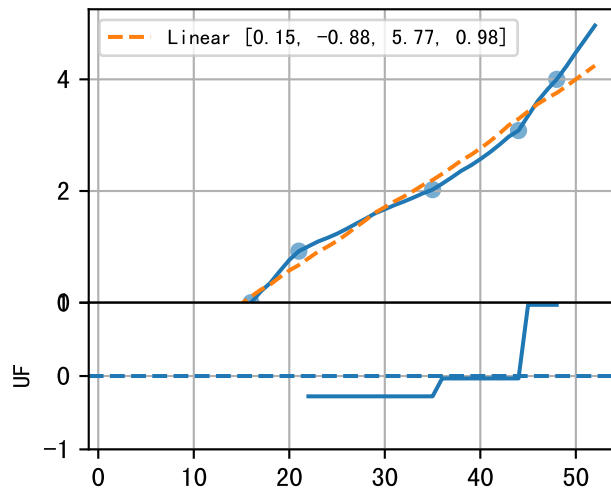
P9AW-017-26



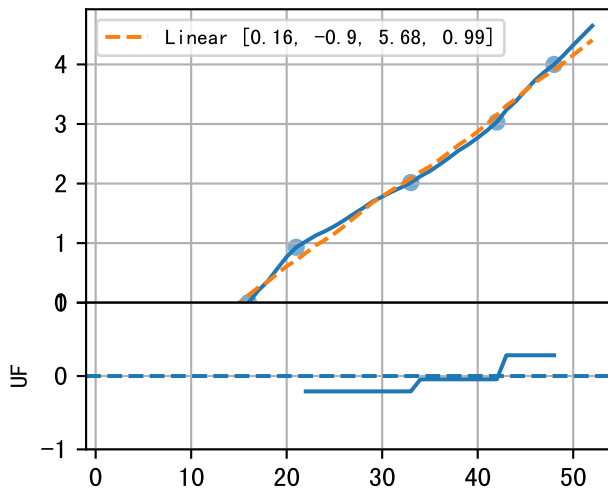
P9AW-029-11



P9AW-040-22



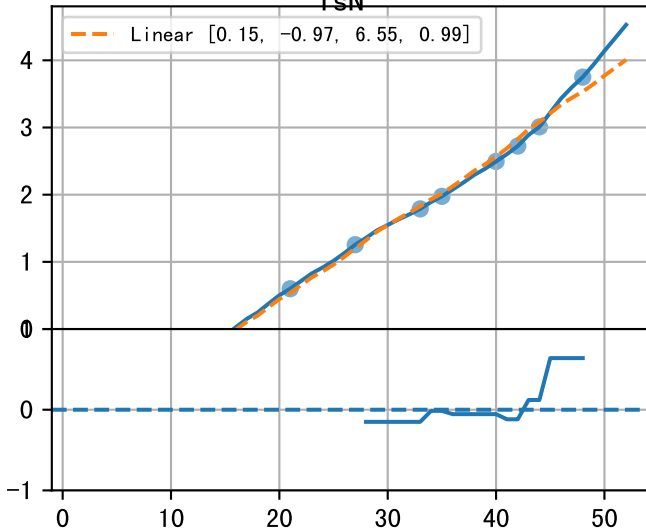
P9AW-052-18



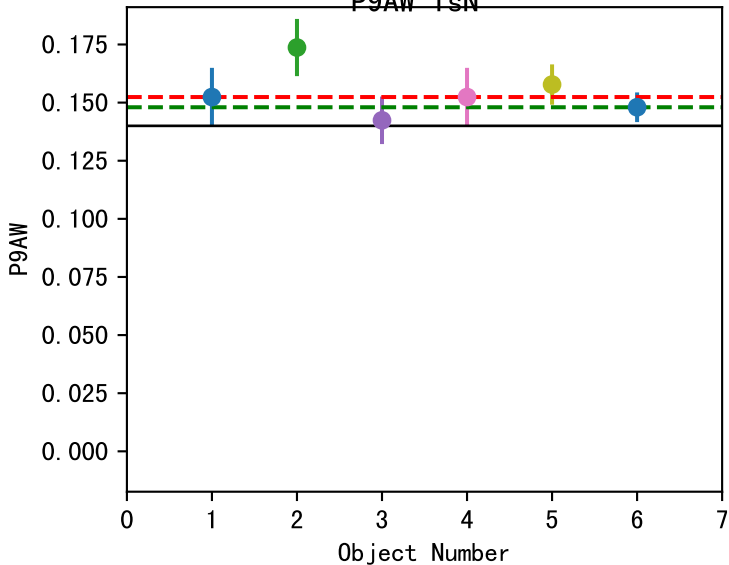
P9AWavg
T_{SN}

Linear [0.15, -0.97, 6.55, 0.99]

UF

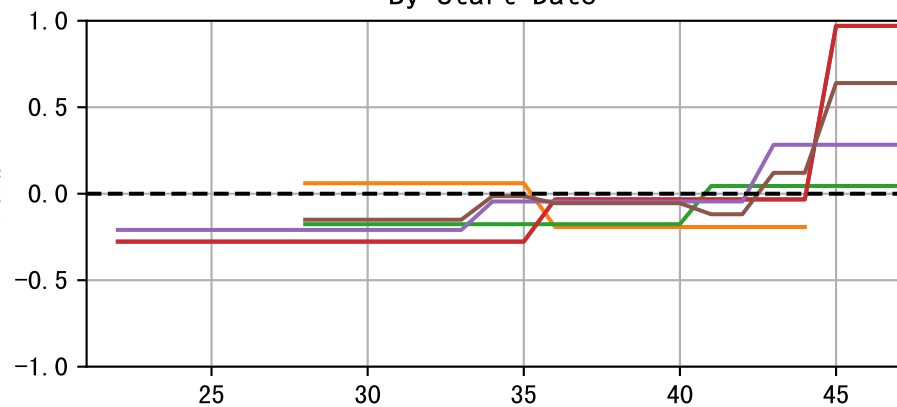


a (Def=0.14 Set=0.15)
avg1=0.15 $\sim$ 2% avg2=0.15 $\sim$ 10%
P9AW TSN

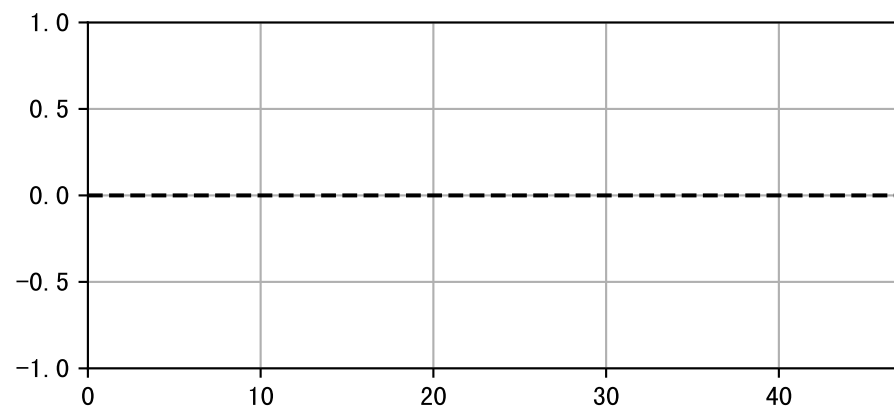
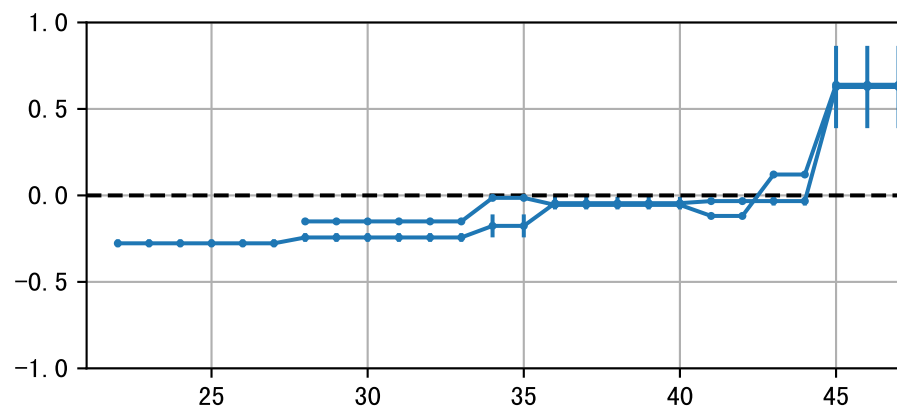
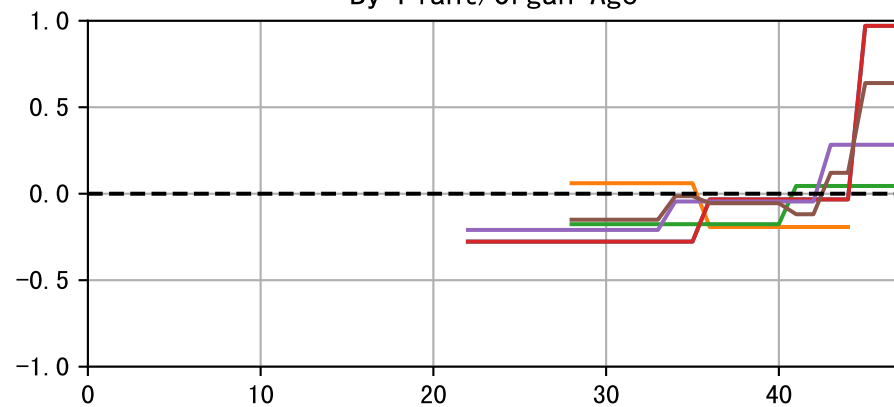


TsN

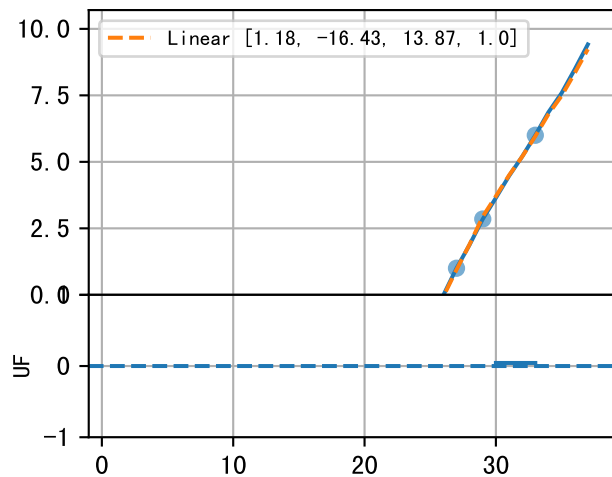
By Start Date



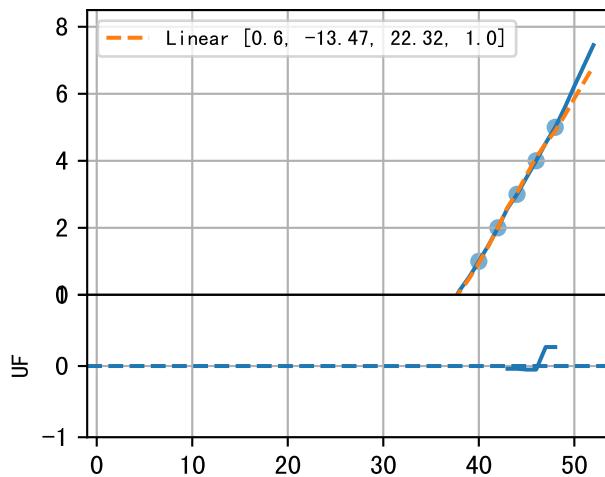
By Plant/Organ Age



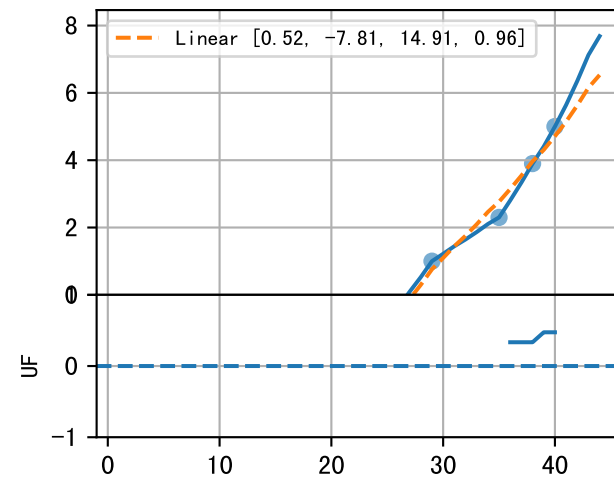
P9AW-005-13T1



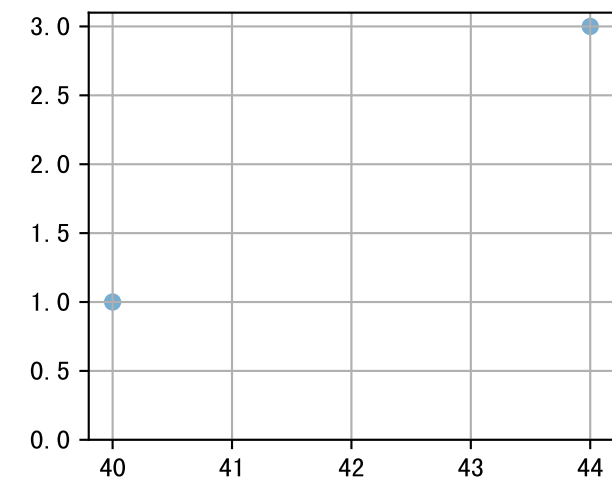
P9AW-005-13T2



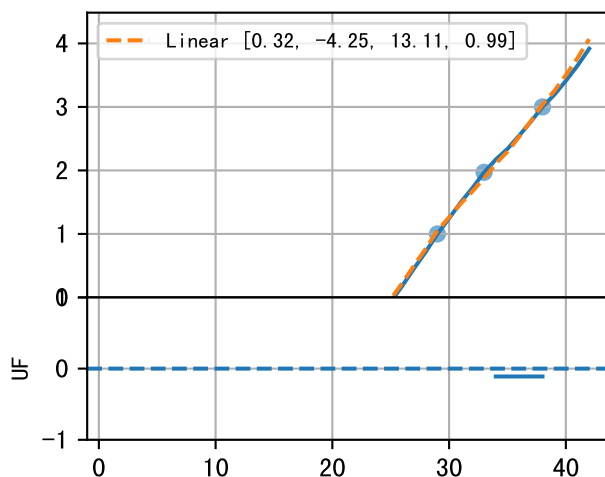
P9AW-017-26T1



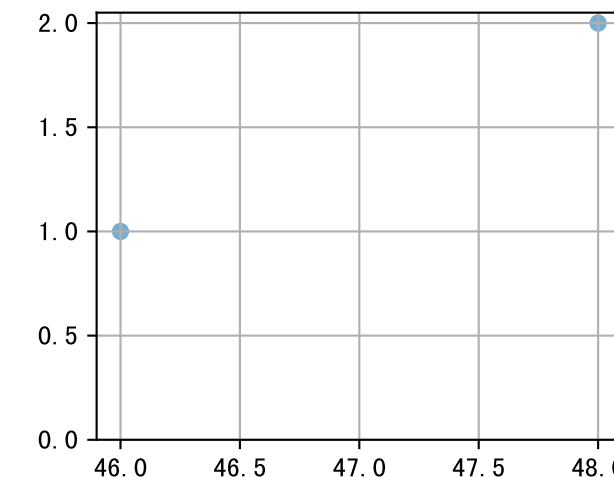
P9AW-017-26T2 (fit failed)



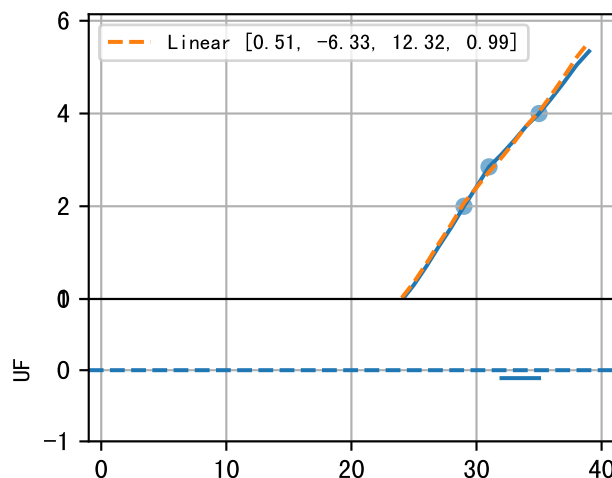
P9AW-029-11T1



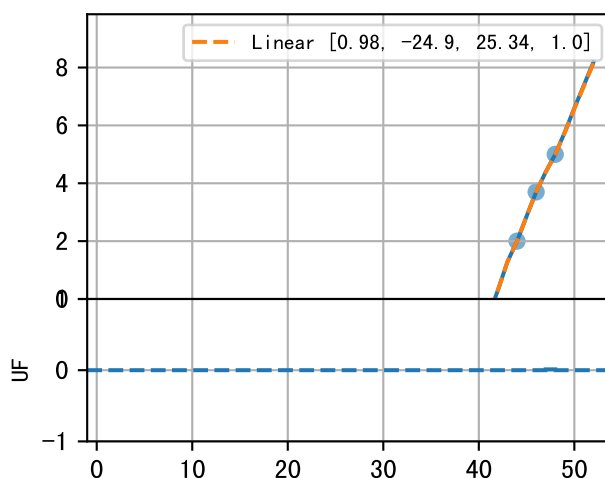
P9AW-029-11T2 (fit failed)



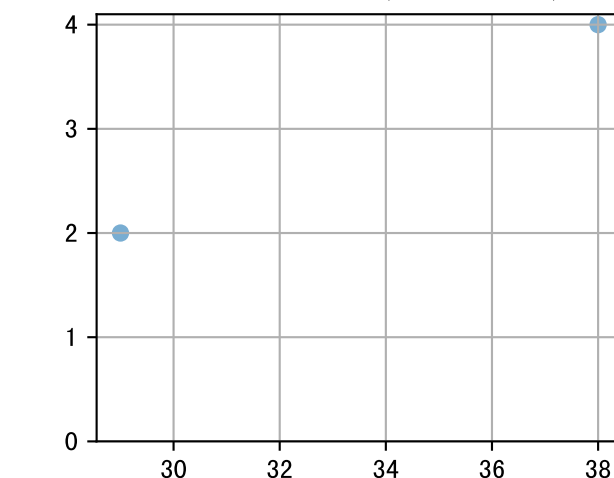
P9AW-040-22T1



P9AW-040-22T2

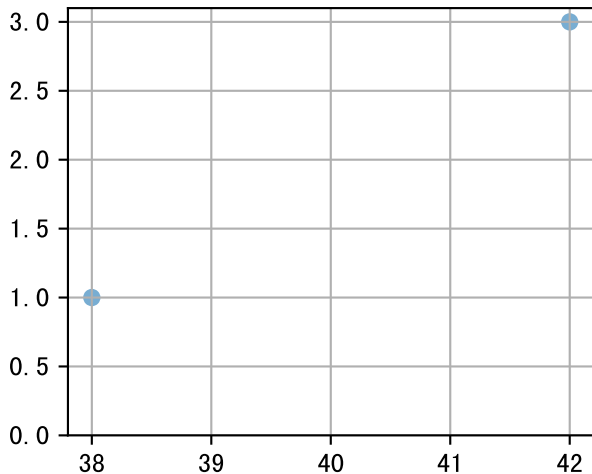


P9AW-052-18T1 (fit failed)



P9AW-052-18T2 (fit failed)

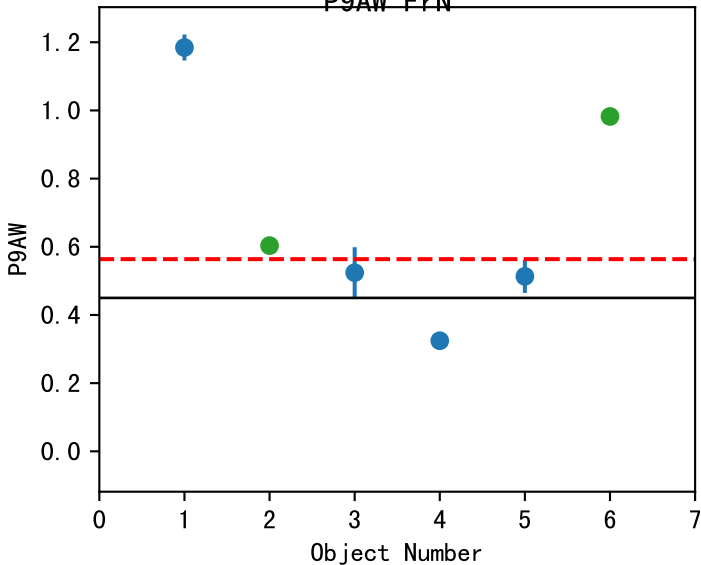
FrN



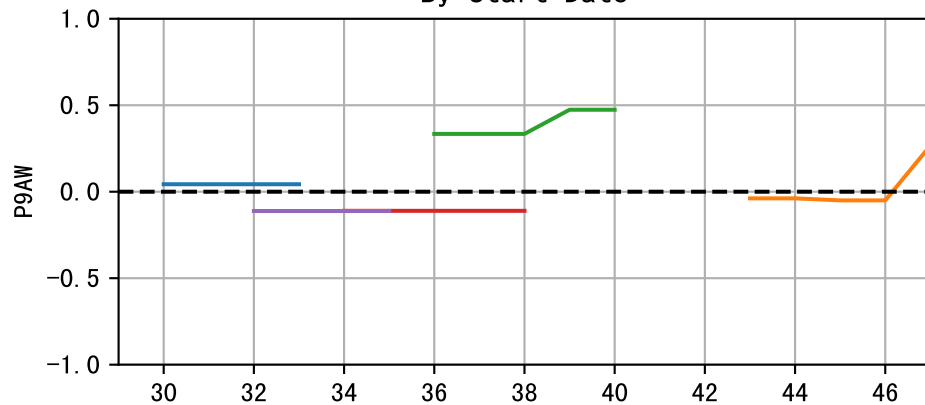
a (Def=0.45 Set=0.56)

avg1=0.56~58% avg2=na

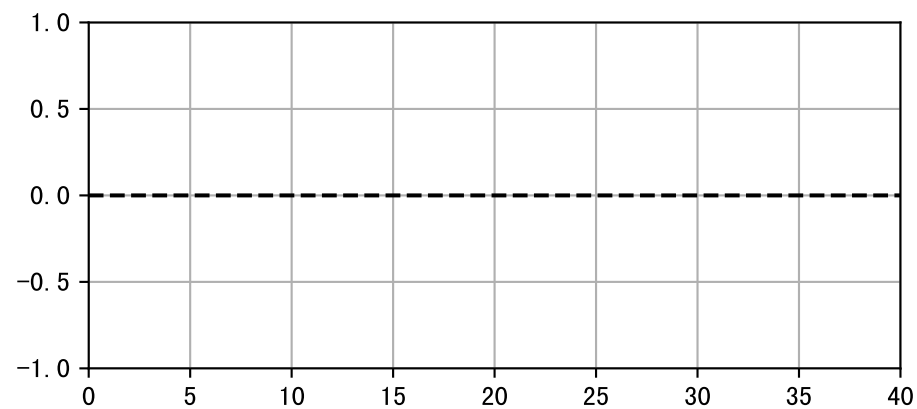
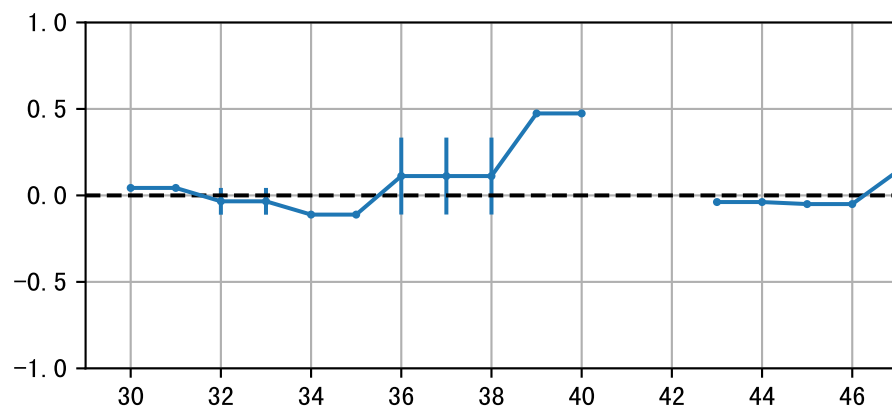
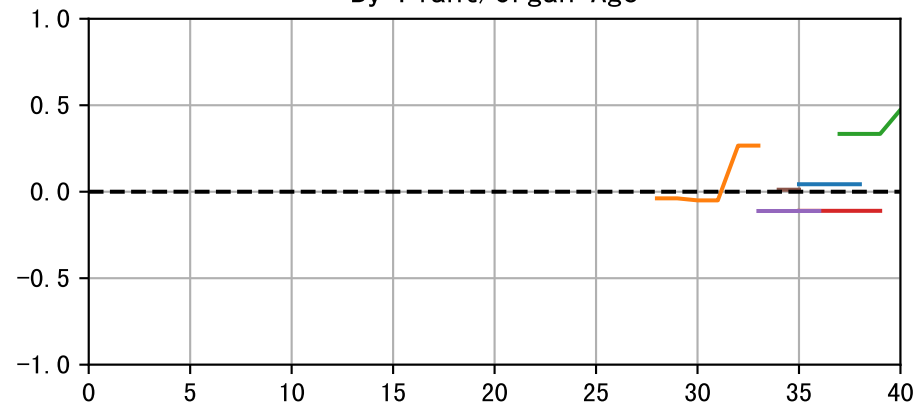
P9AW FrN



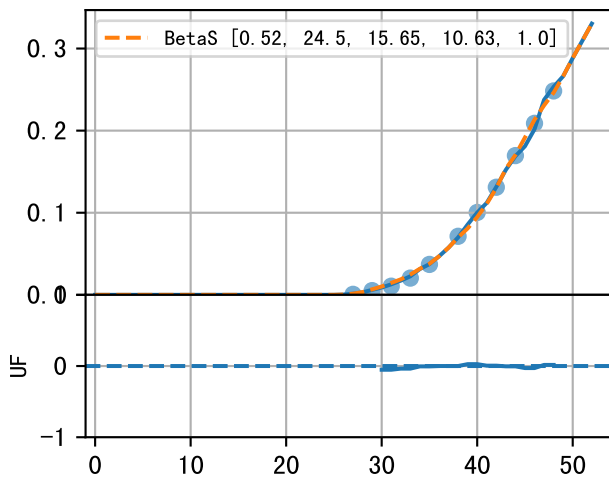
By Start Date



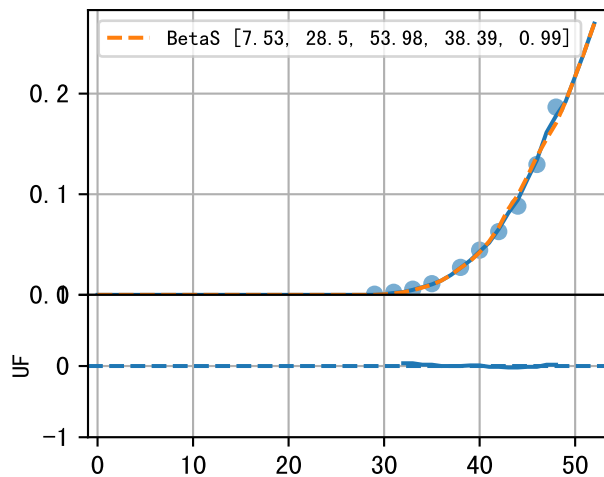
By Plant/Organ Age



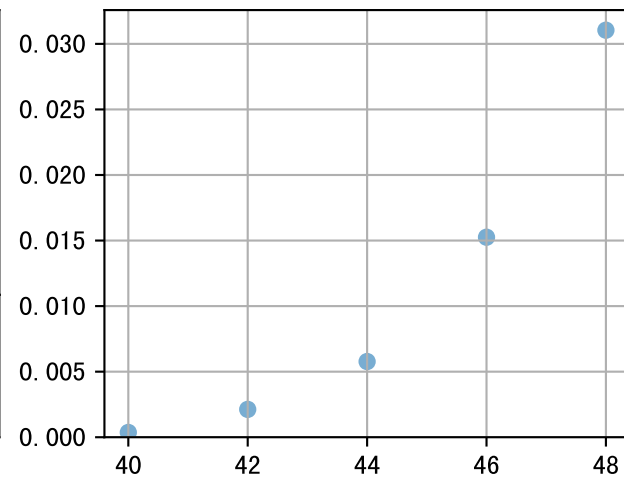
P9AW-005-13T1Fr1



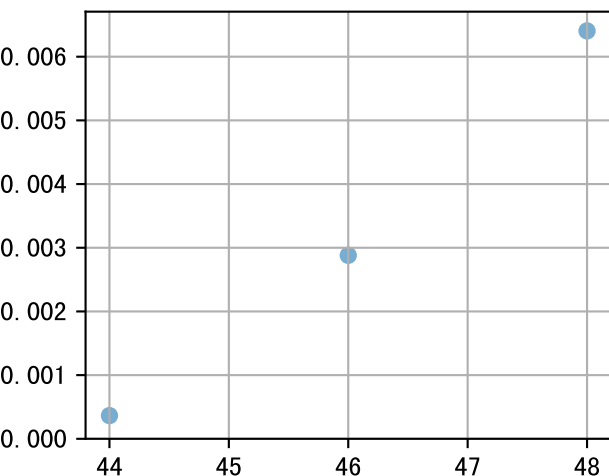
P9AW-005-13T1Fr5 (fit failed)



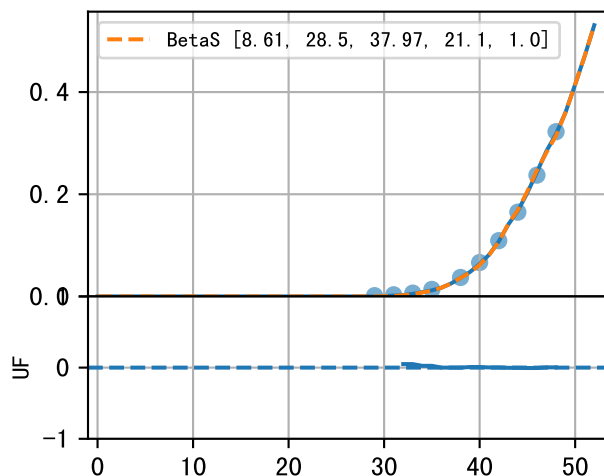
P9AW-005-13T2Fr1 (fit failed)



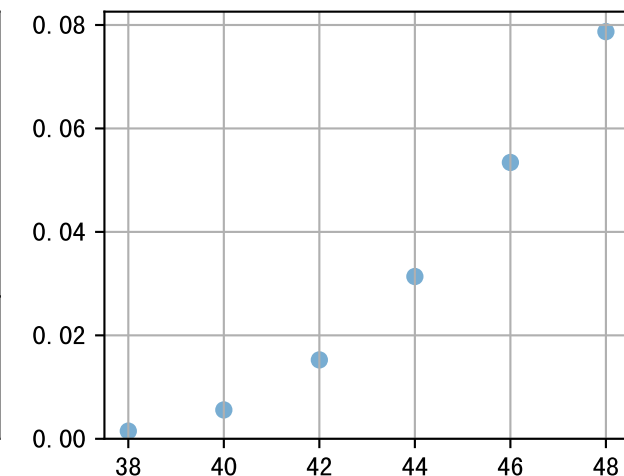
P9AW-005-13T2Fr5 (fit failed)



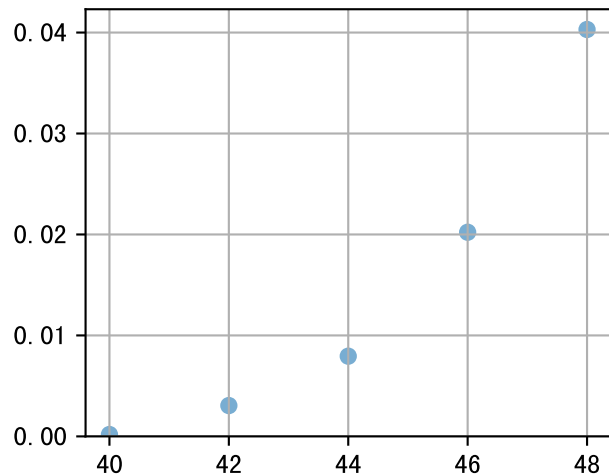
P9AW-017-26T1Fr1 (fit failed)



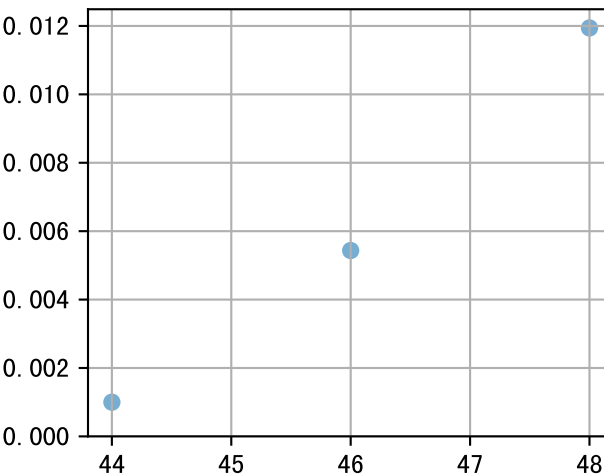
P9AW-017-26T1Fr5 (fit failed)



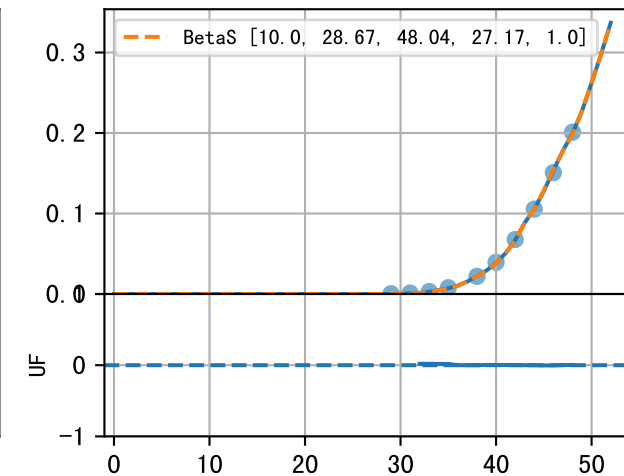
P9AW-017-26T2Fr1 (fit failed)



P9AW-017-26T2Fr5 (fit failed)

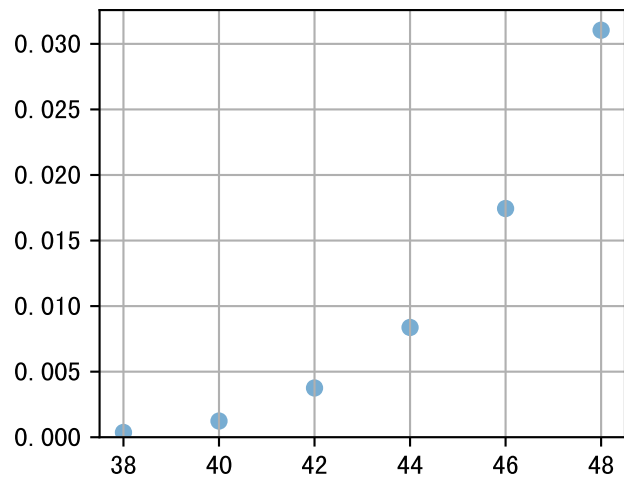


P9AW-029-11T1Fr1 (fit failed)

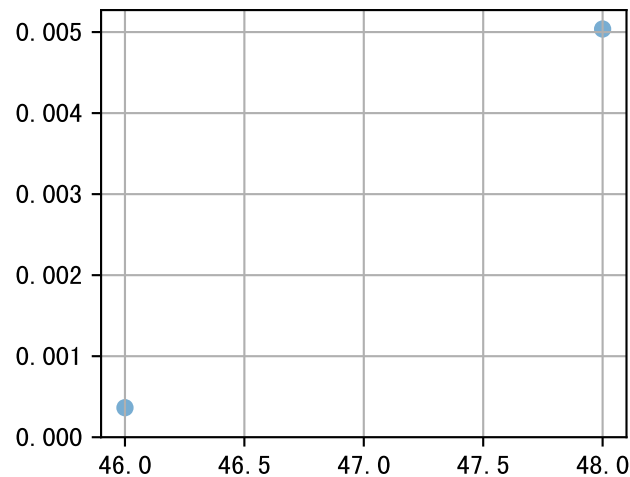


Fr_Y

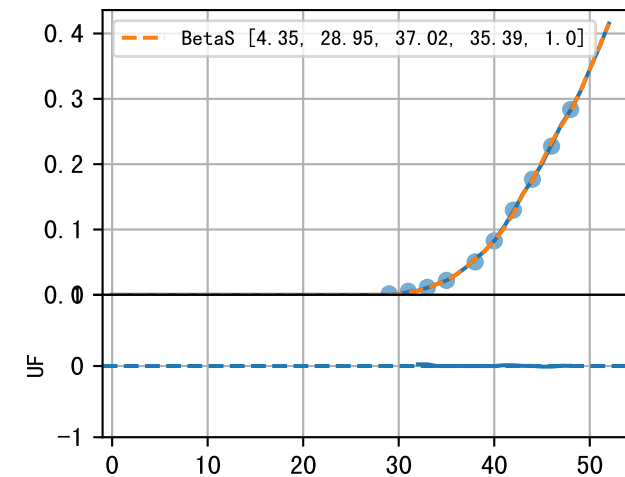
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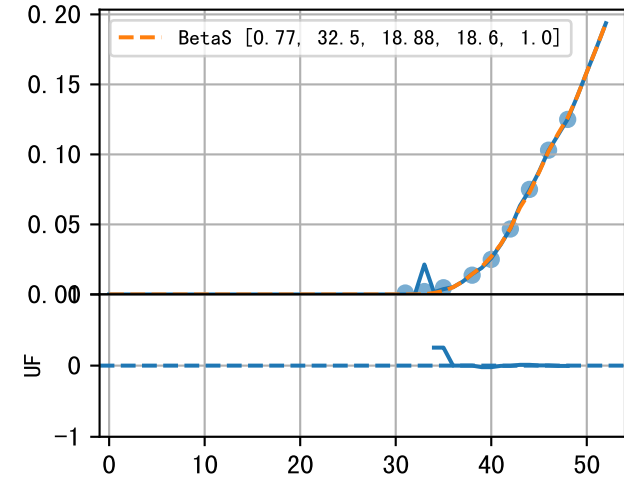
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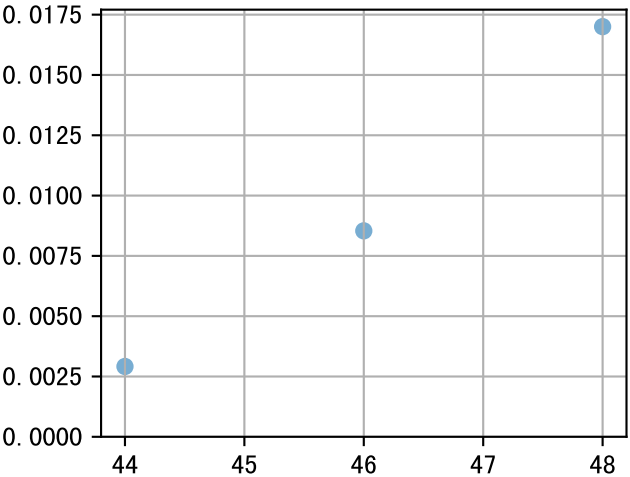
P9AW-040-22T1Fr1 (fit failed)



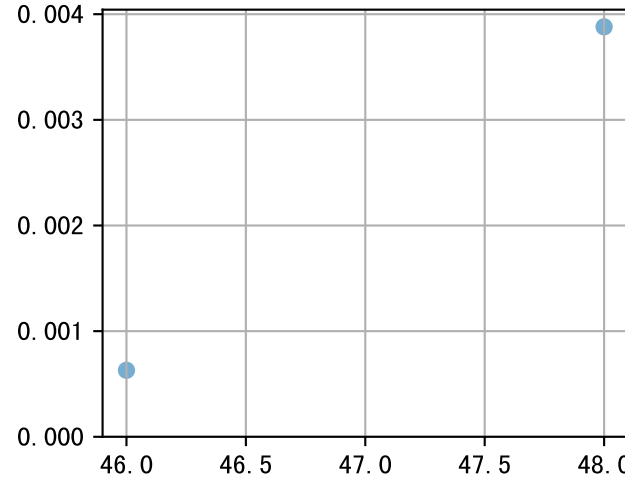
P9AW-040-22T1Fr5 (fit failed)



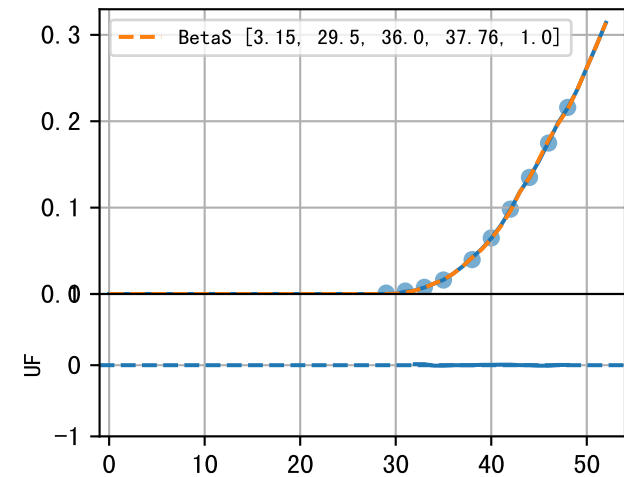
P9AW-040-22T2Fr1 (fit failed)



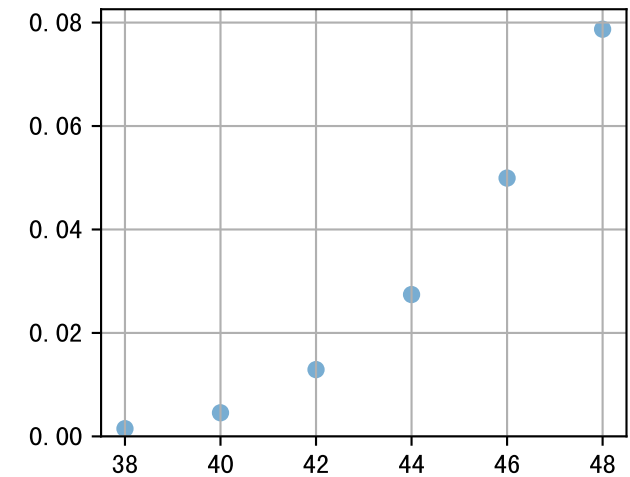
P9AW-040-22T2Fr5 (fit failed)



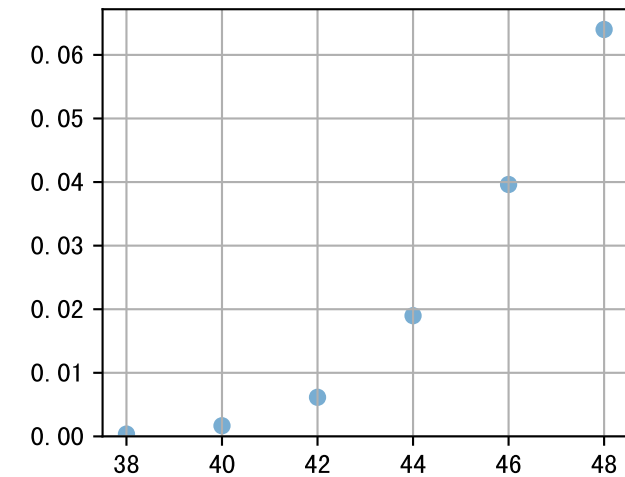
P9AW-052-18T1Fr1 (fit failed)



P9AW-052-18T1Fr5 (fit failed)

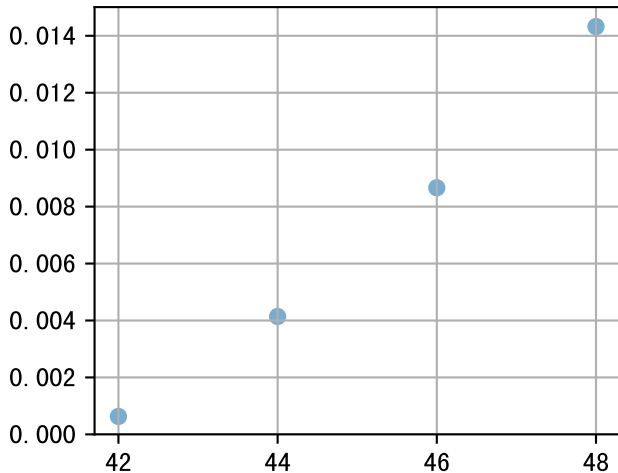


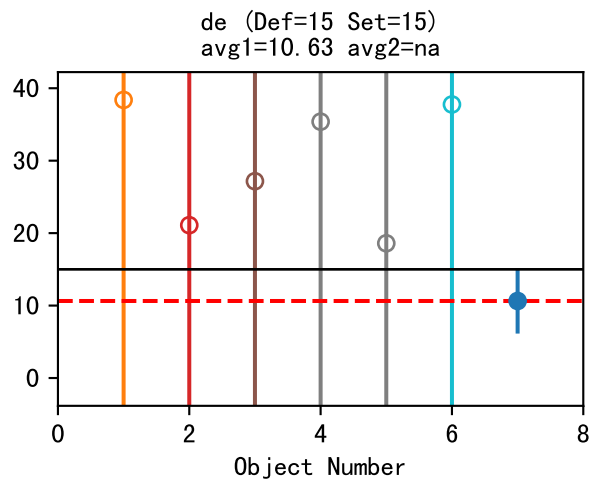
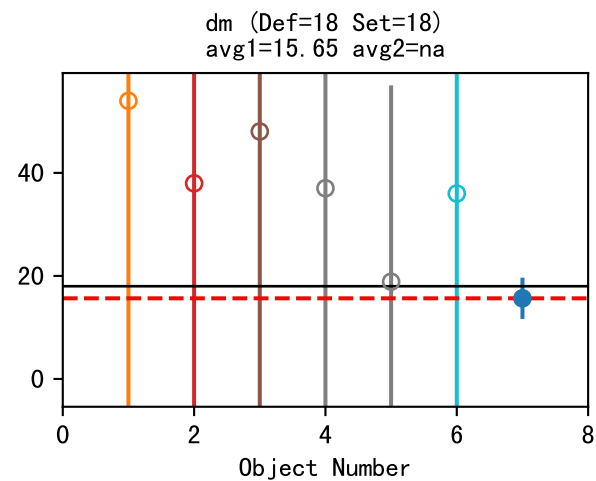
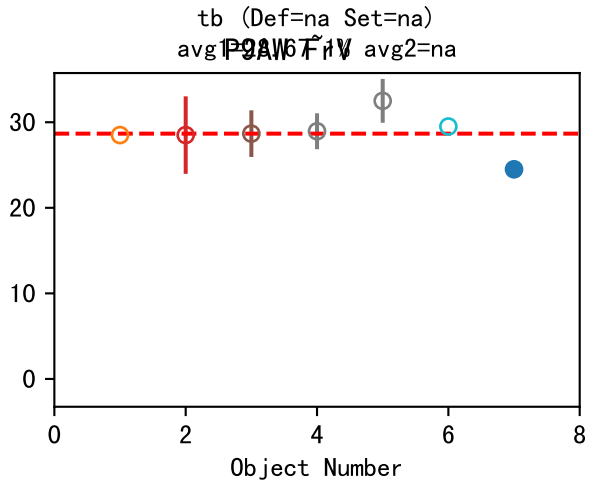
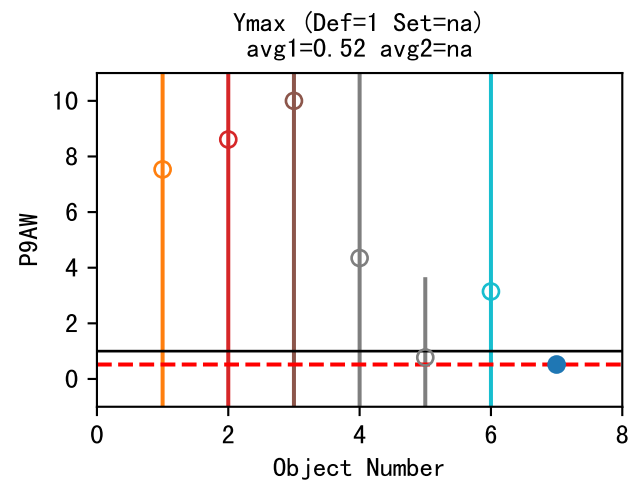
P9AW-052-18T2Fr1 (fit failed)



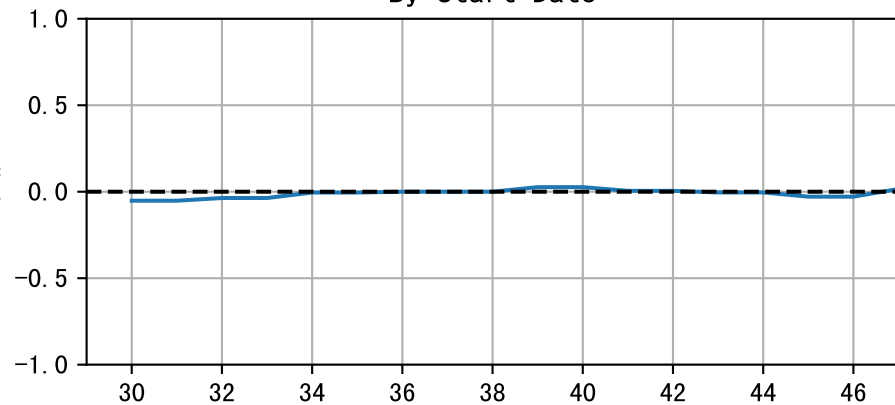
P9AW-052-18T2Fr5 (fit failed)

FrV

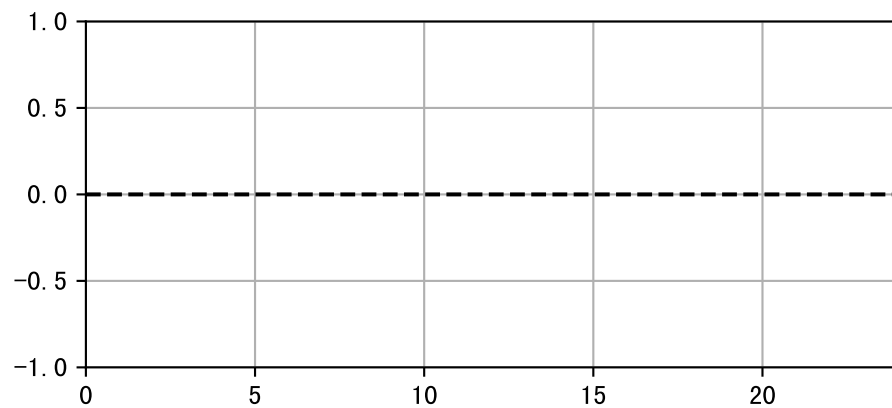
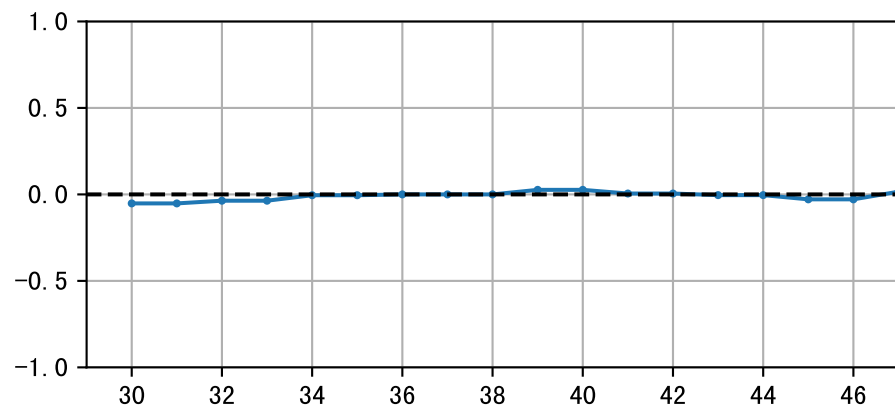
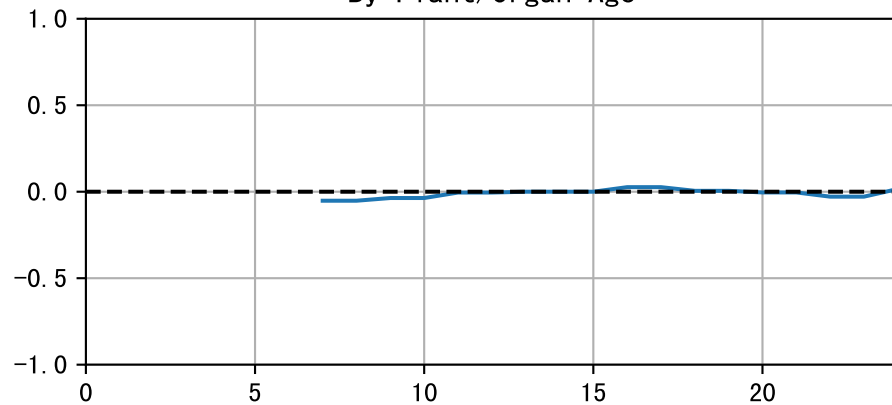




By Start Date

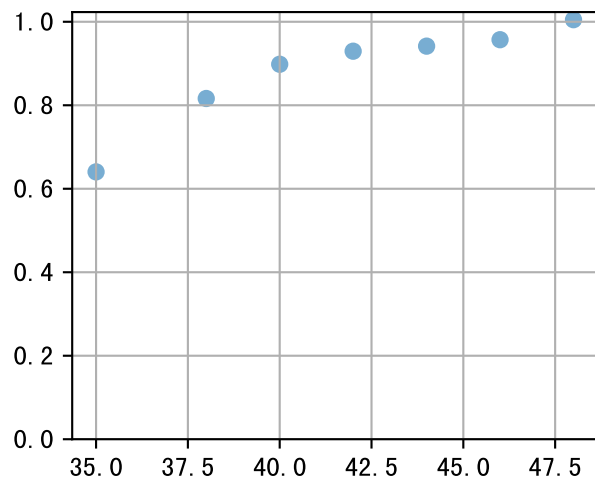


By Plant/Organ Age

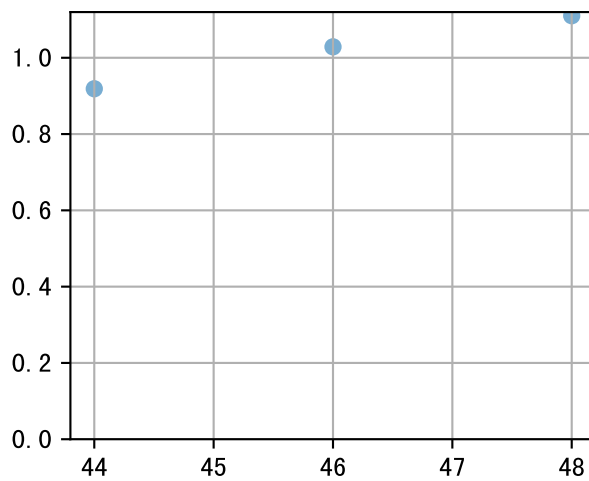


14

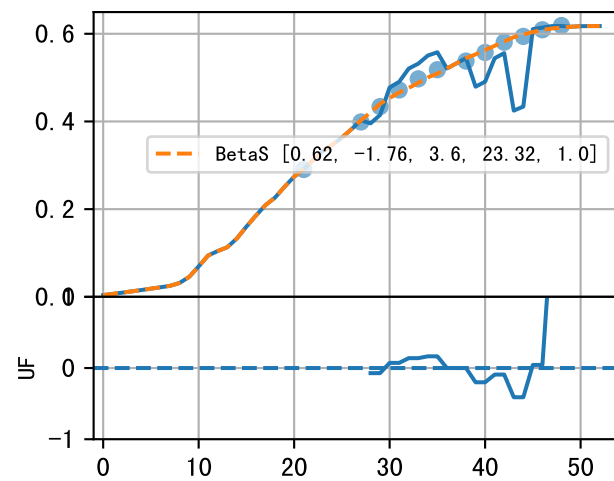
P9AW-005-13L11 (fit failed)



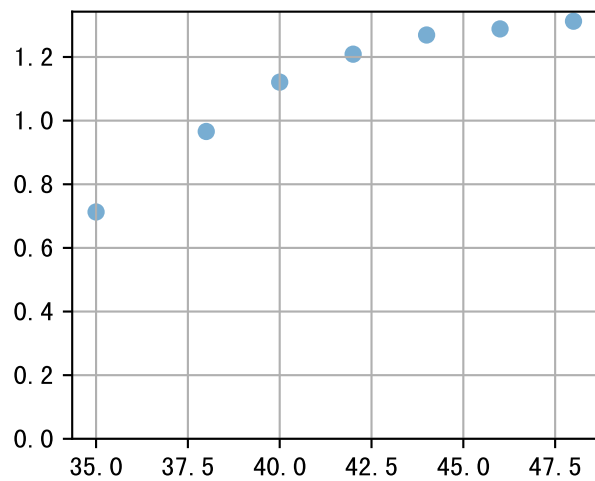
P9AW-005-13L14 (fit failed)



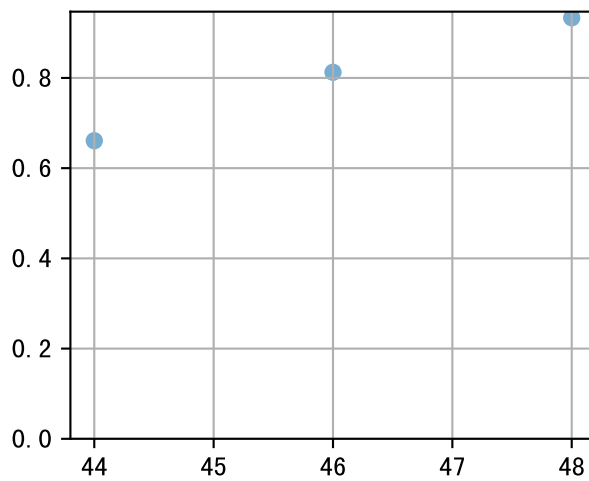
P9AW-005-13L6



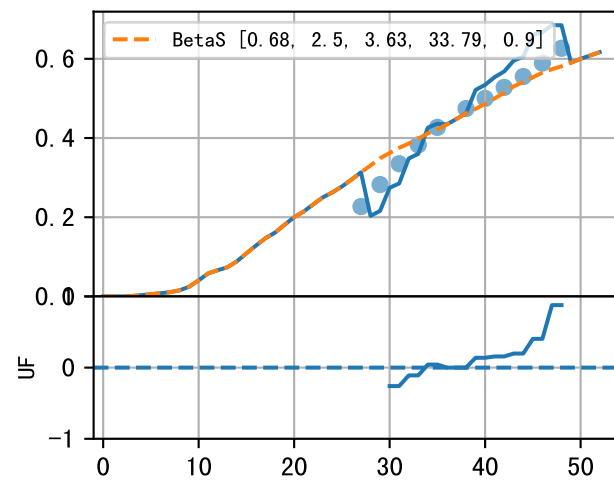
P9AW-017-26L10 (fit failed)



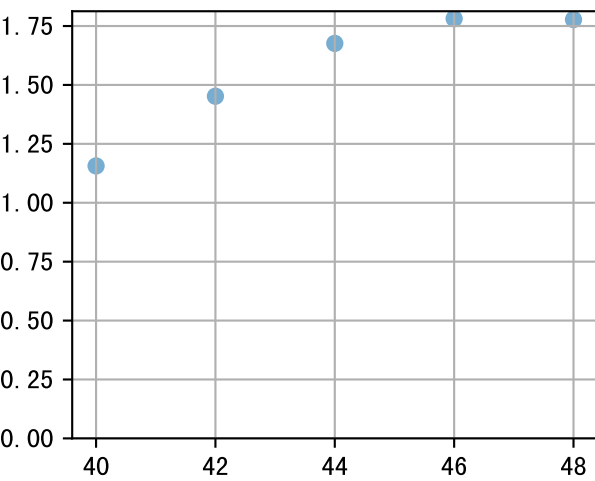
P9AW-017-26L13 (fit failed)



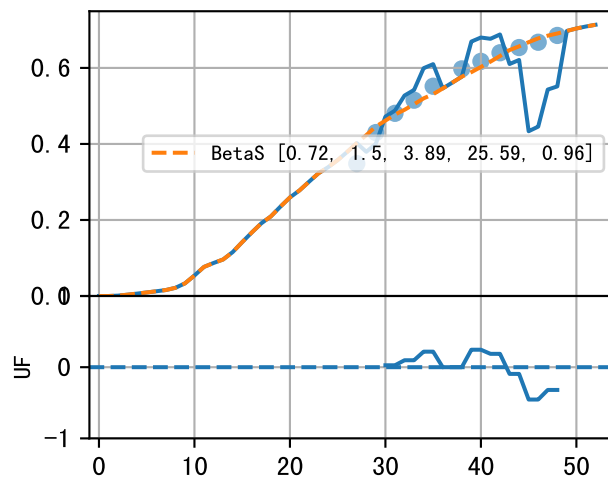
P9AW-017-26L7 (fit failed)



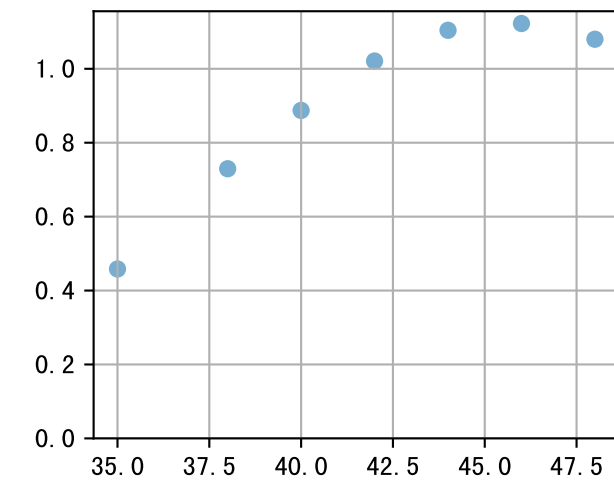
P9AW-029-11L12 (fit failed)



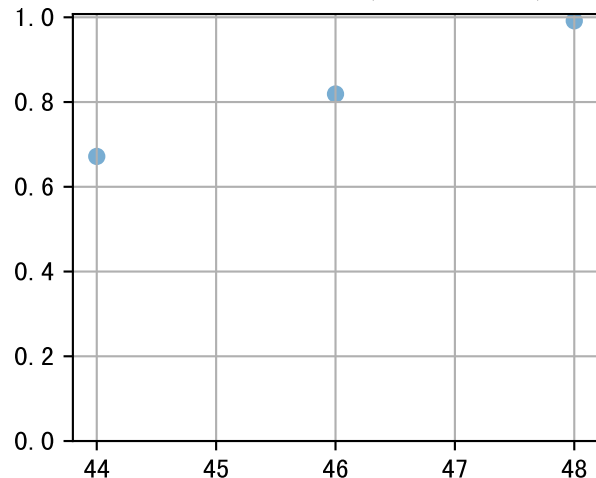
P9AW-029-11L7 (fit failed)



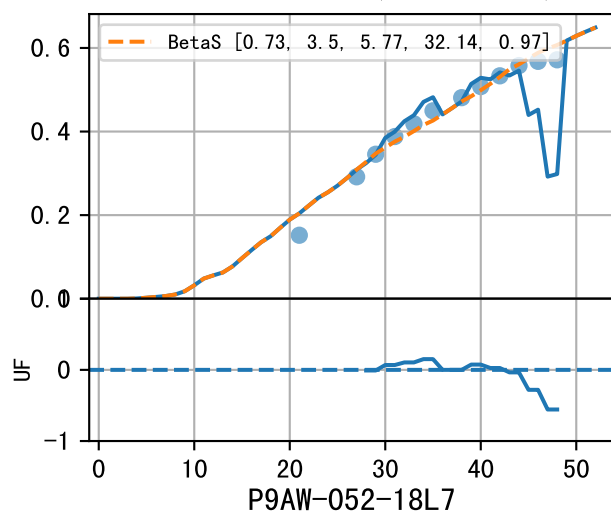
P9AW-040-22L10 (fit failed)



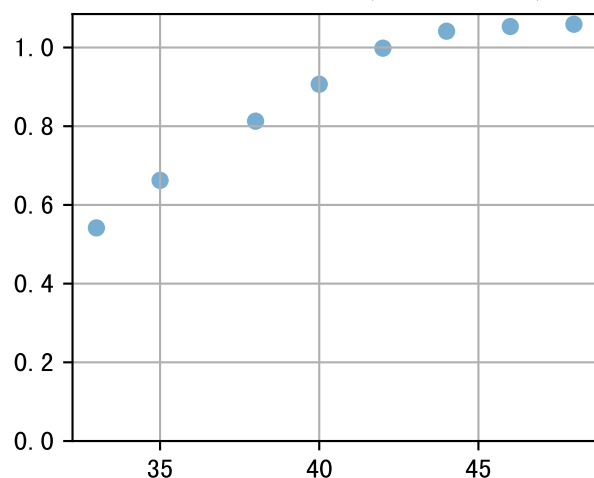
P9AW-040-22L13 (fit failed)



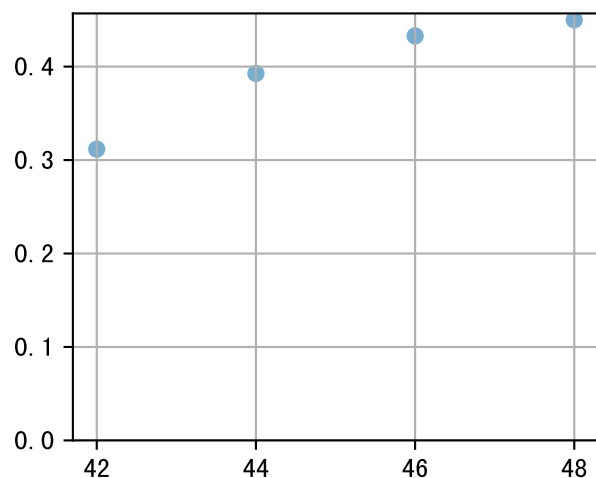
P9AW-040-22L7 (fit failed)



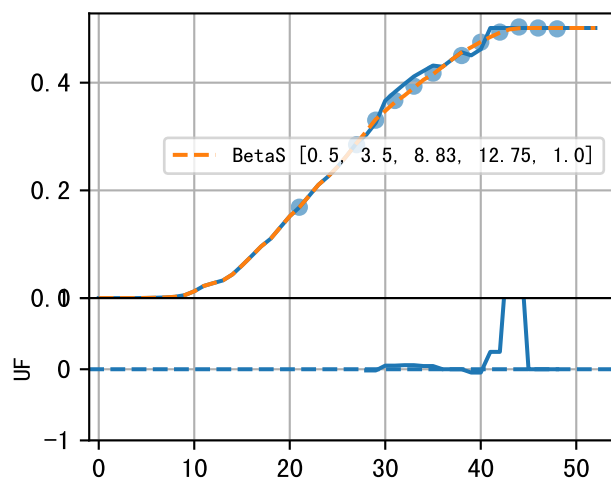
P9AW-052-18L10 (fit failed)

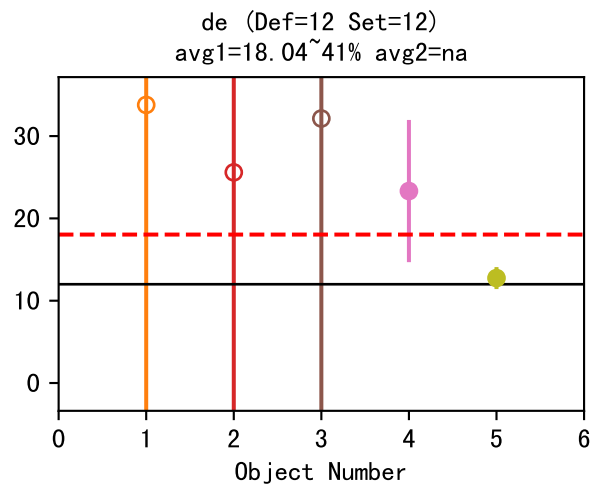
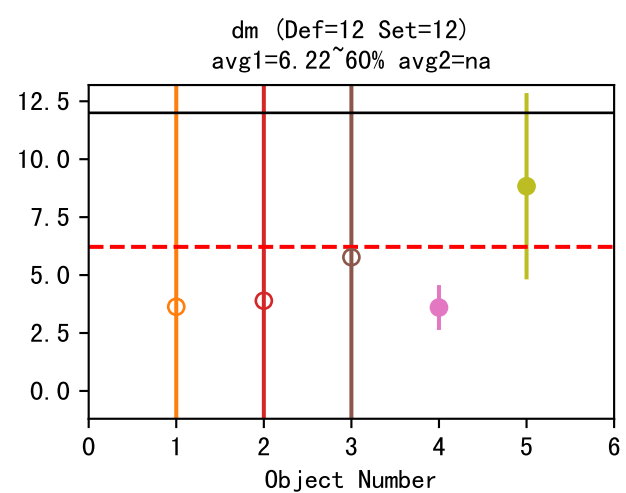
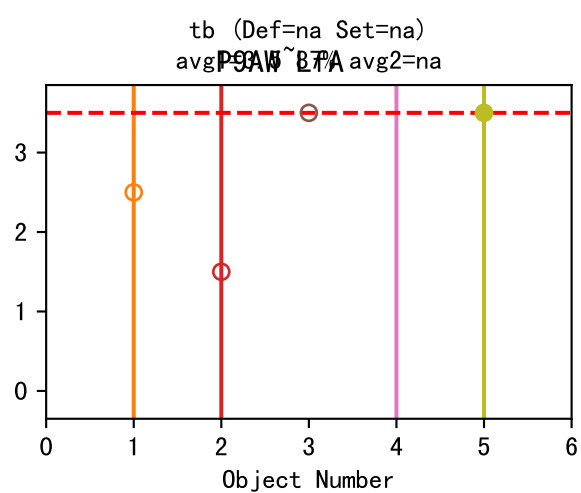
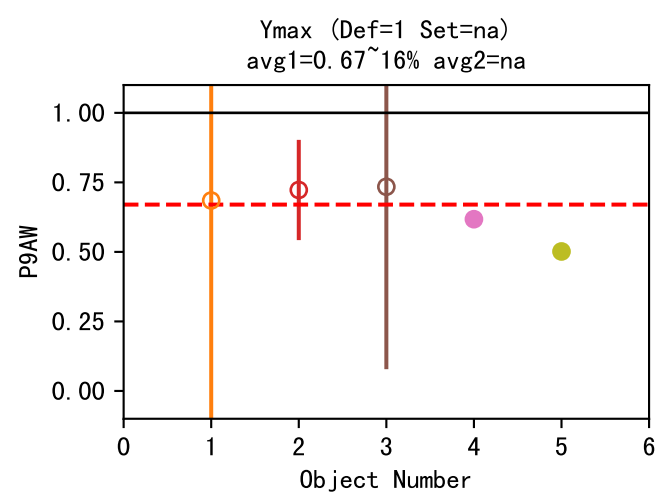


P9AW-052-18L14 (fit failed)

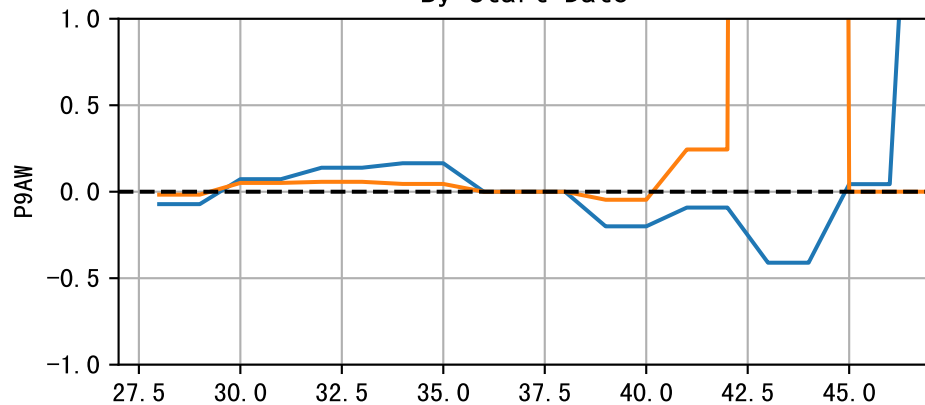


P9AW-052-18L7

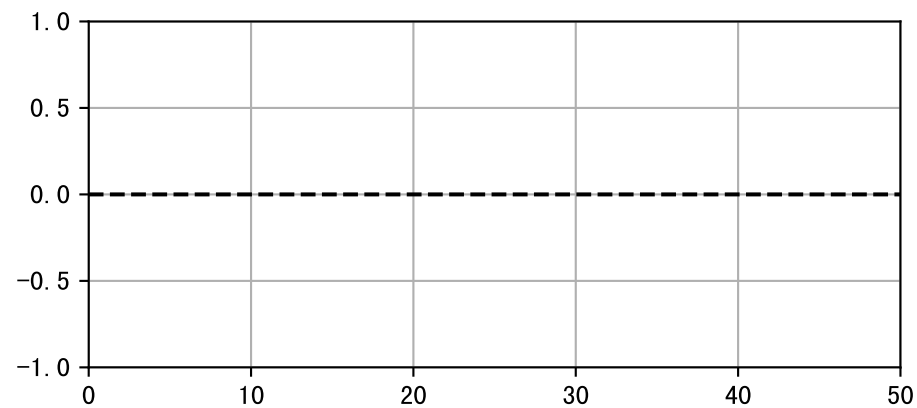
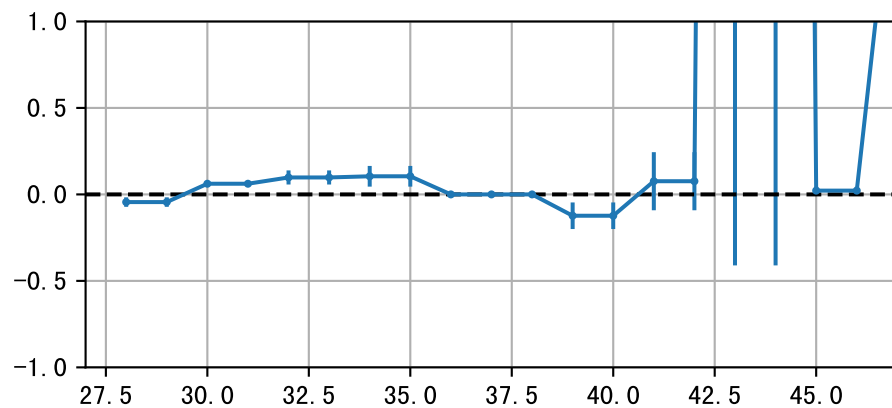
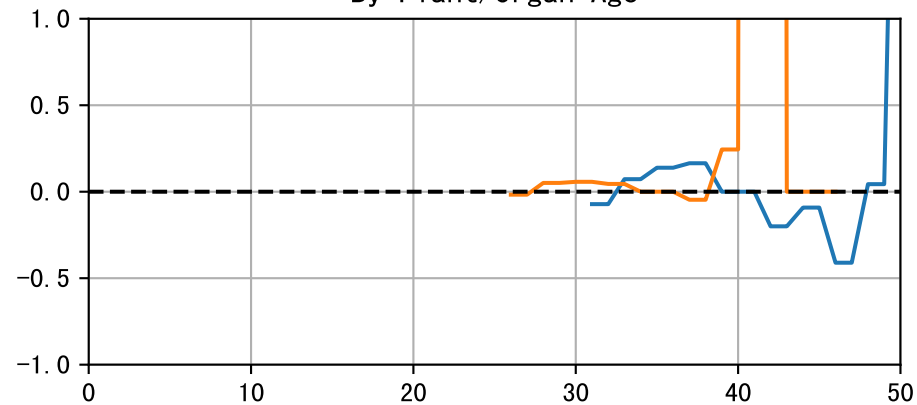


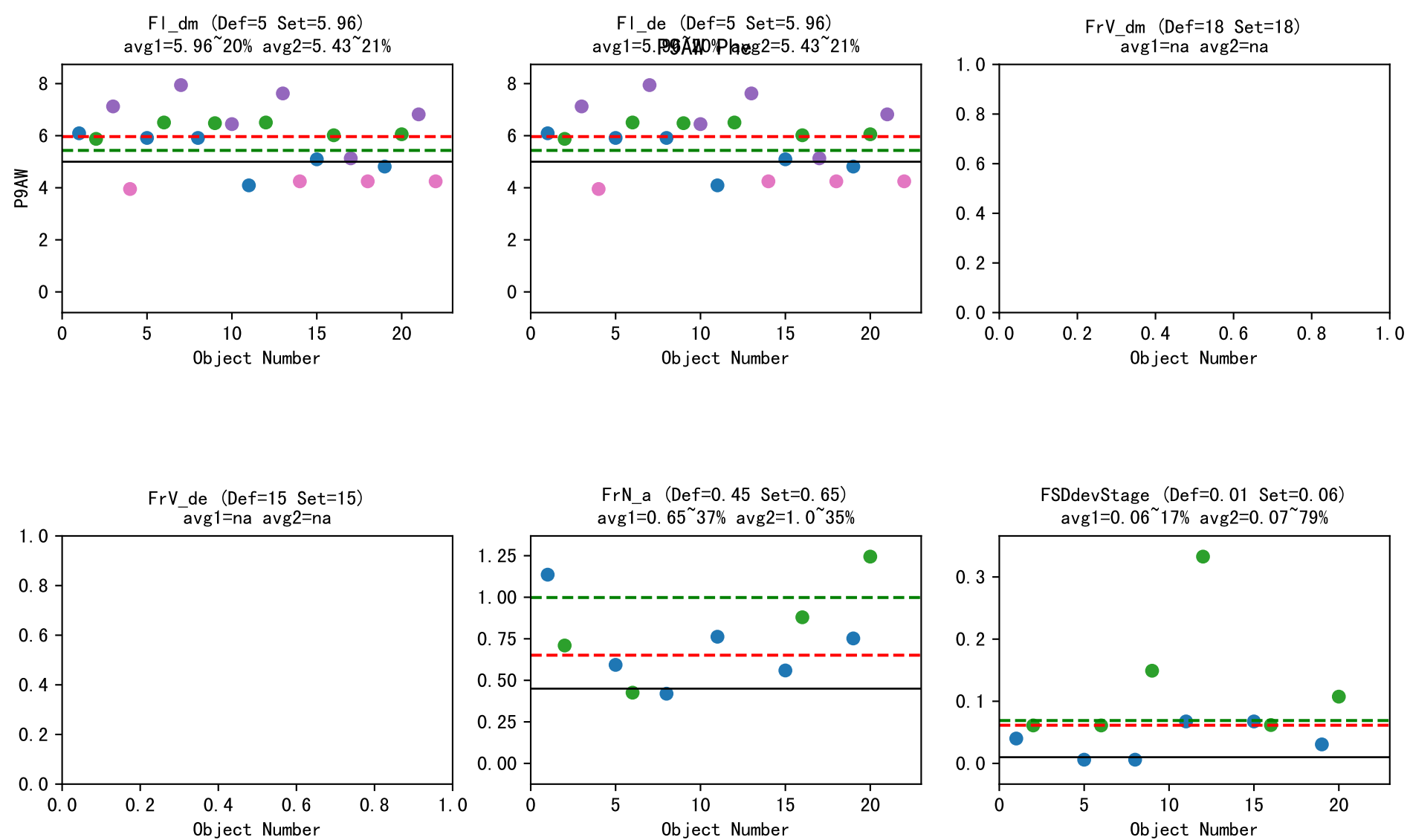


By Start Date

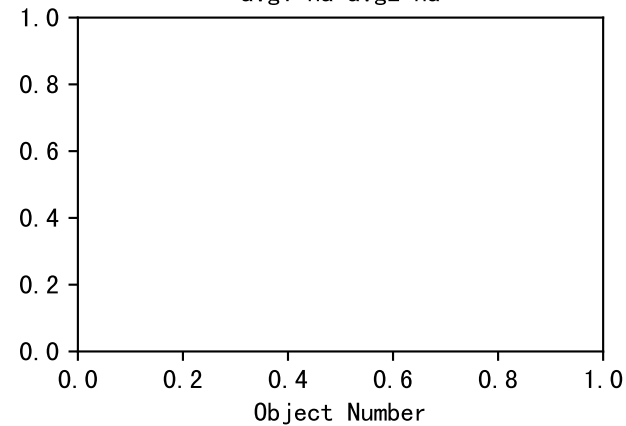


By Plant/Organ Age

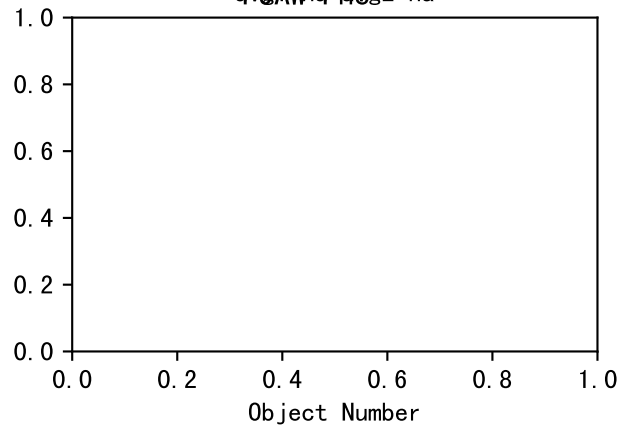




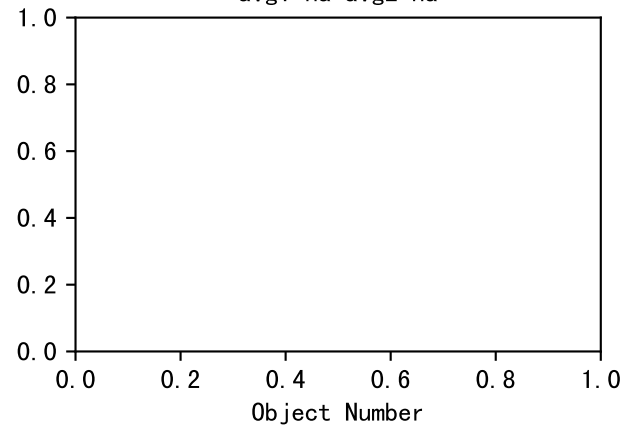
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



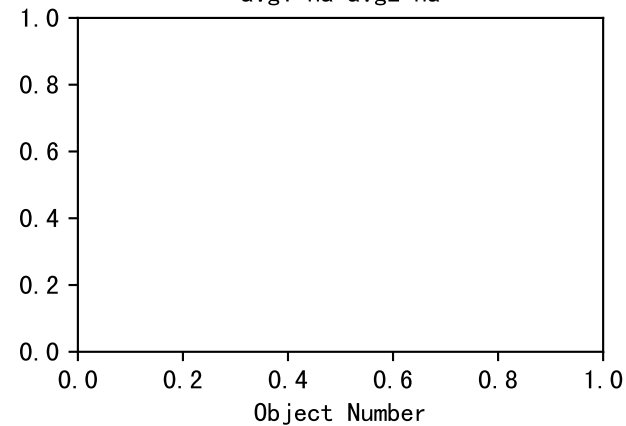
FMBDevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



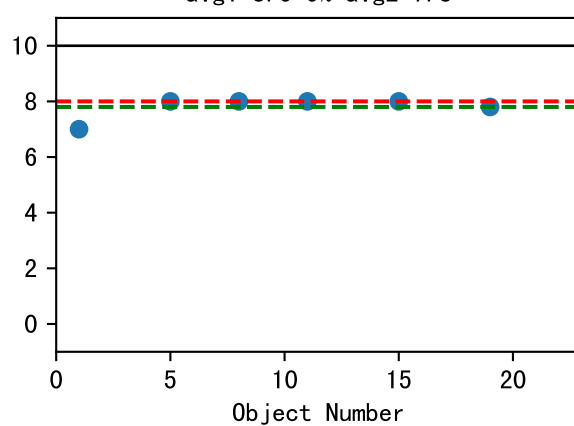
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

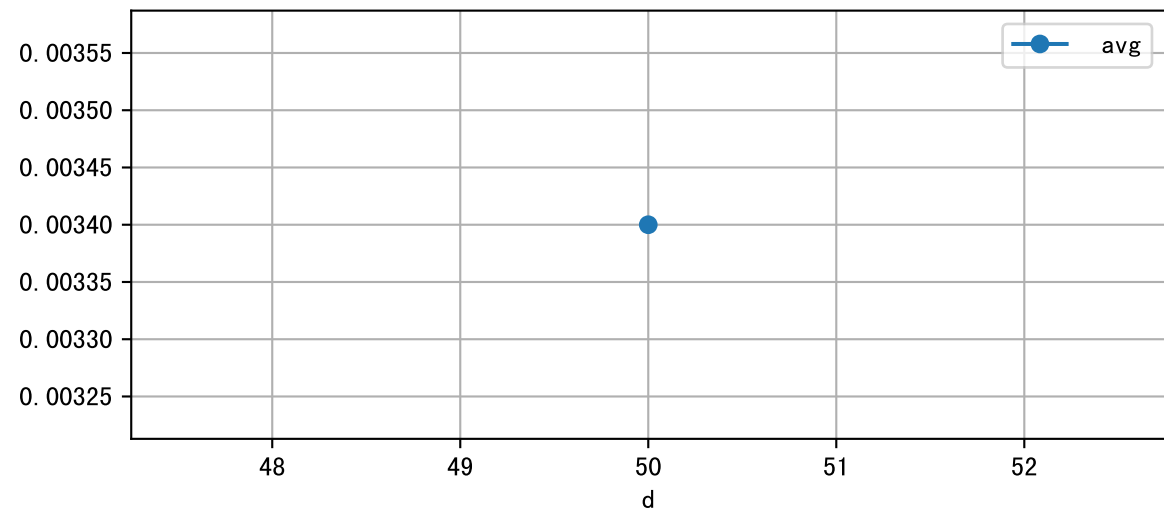


NNgen (Def=10 Set=8)
avg1=8.0~0% avg2=7.8

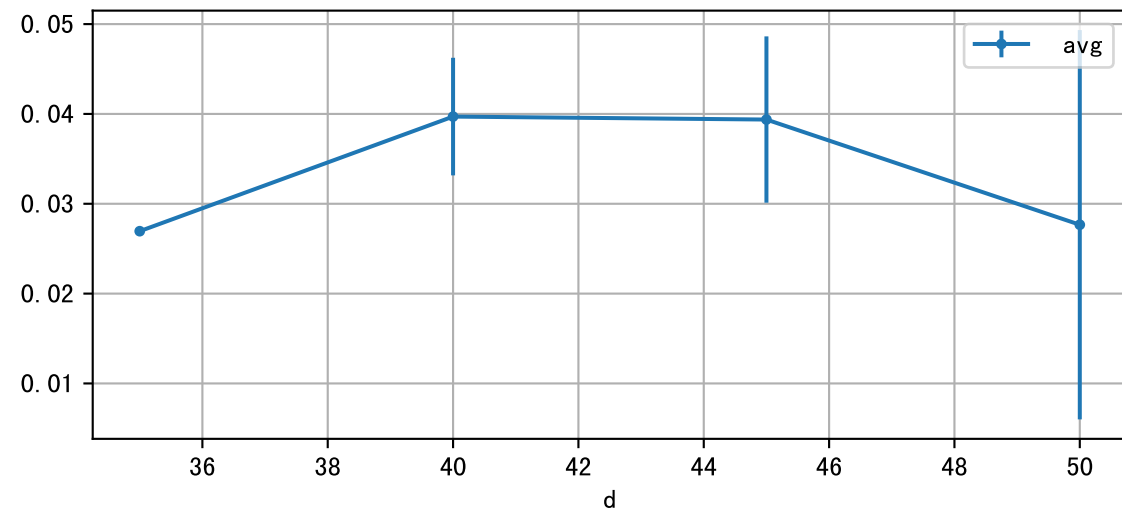


LfA: avg vs. d at each age group

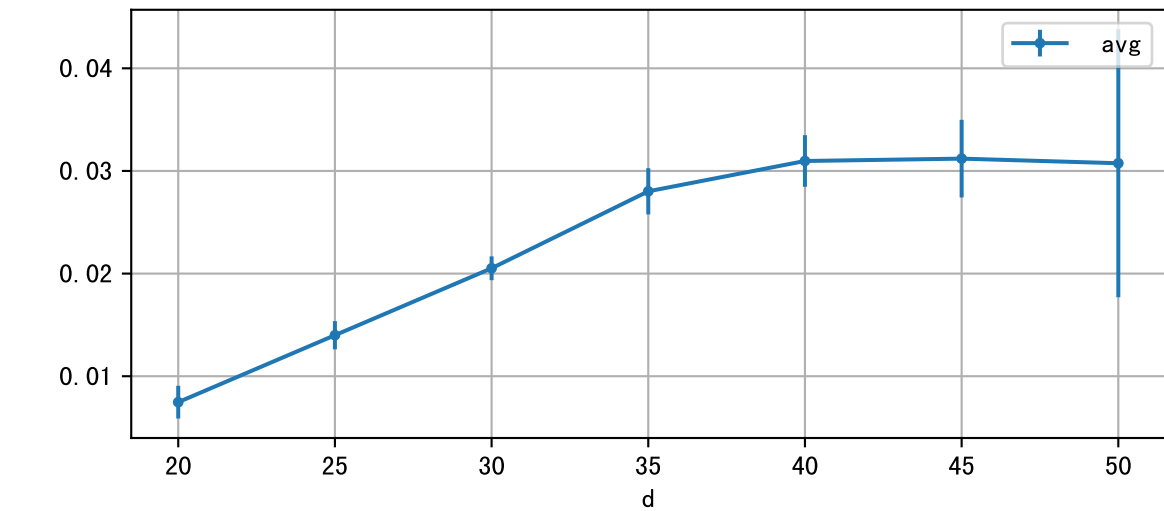
age=15



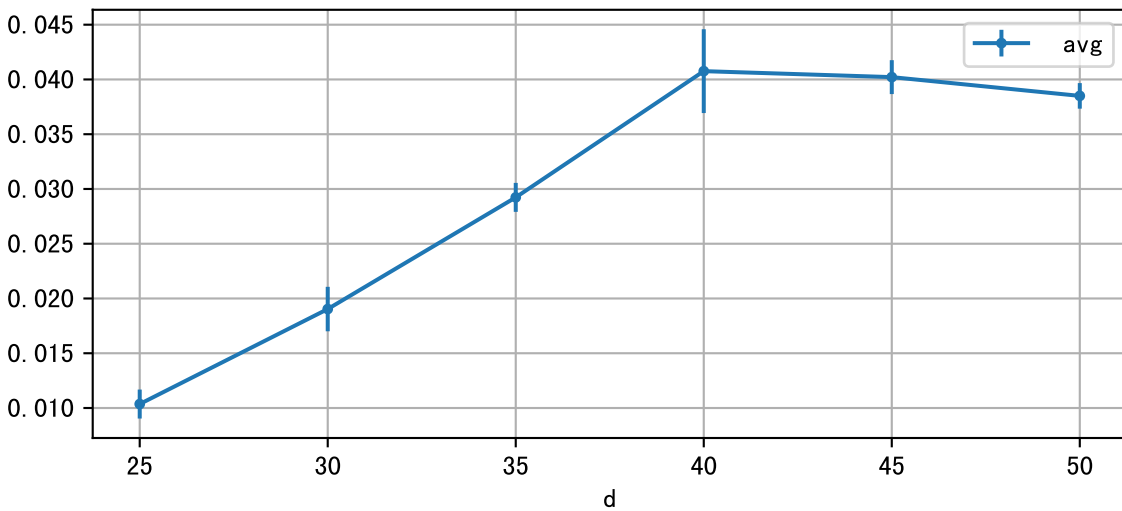
age=20



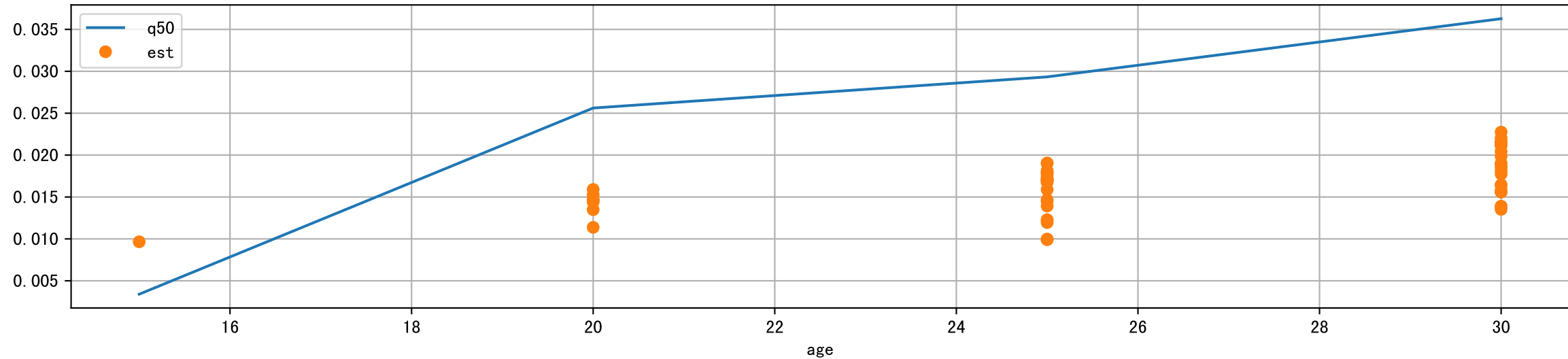
age=25



age=30

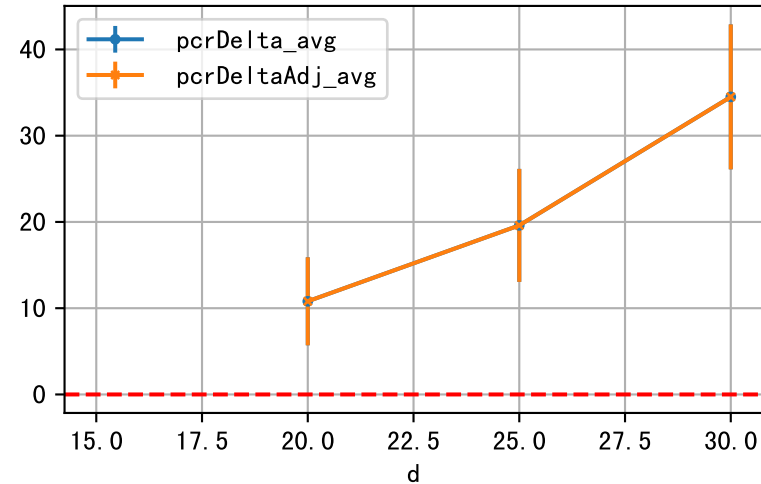


LfA: model est vs obs0v@Q50

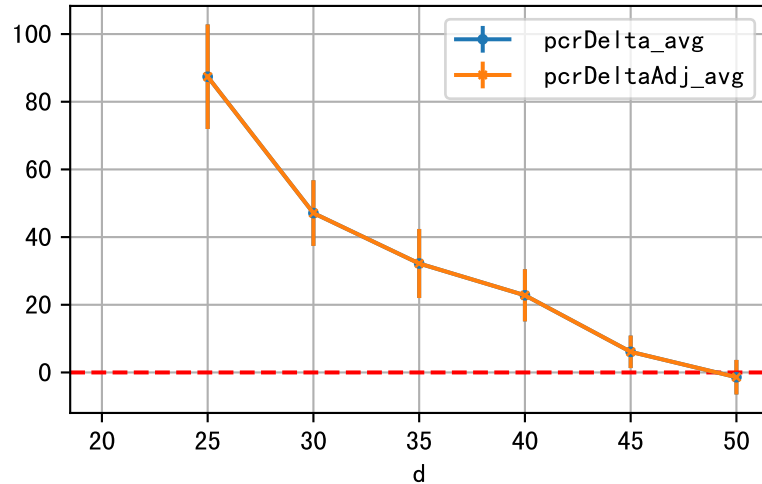


P9AW LfA: D_5d_LfA

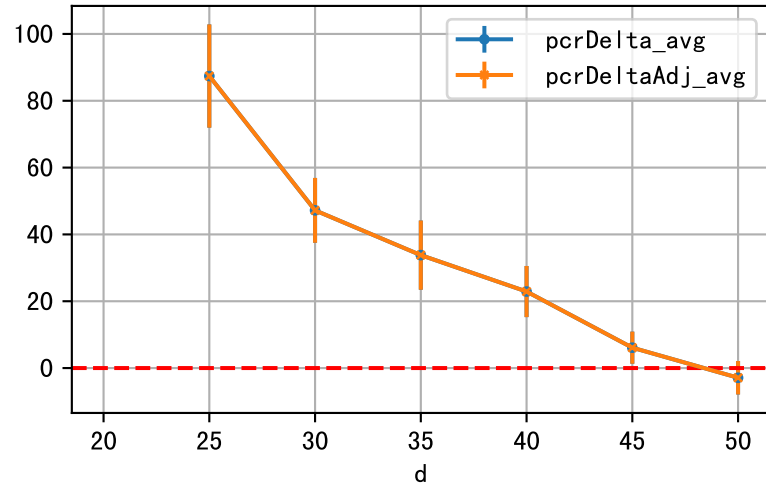
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

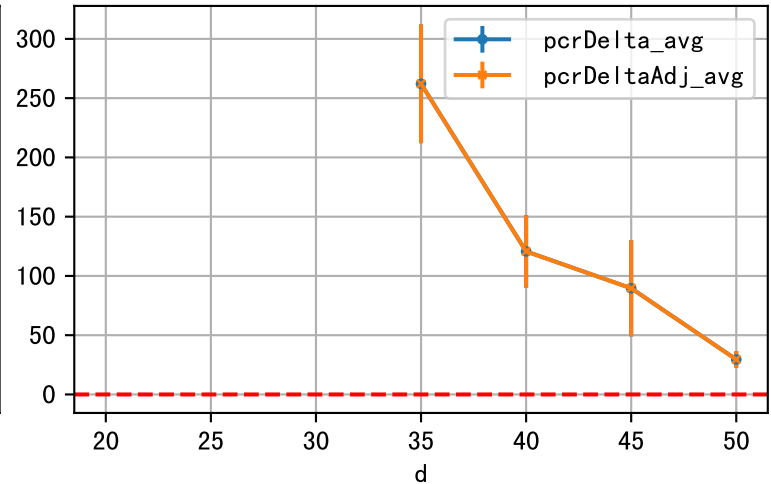
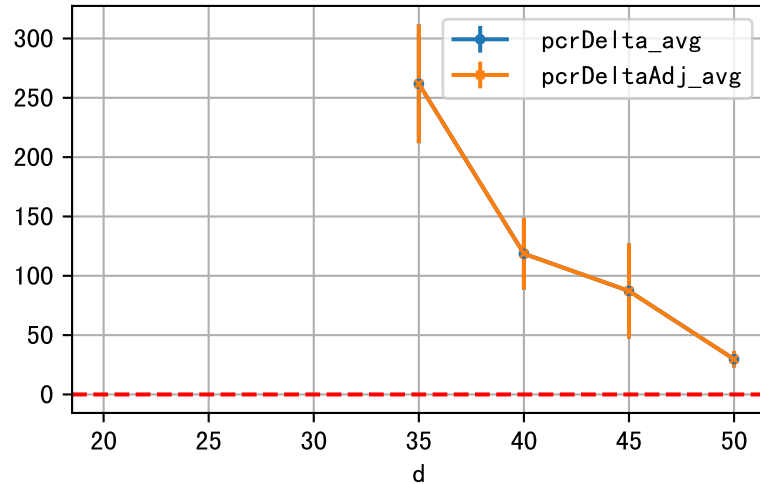
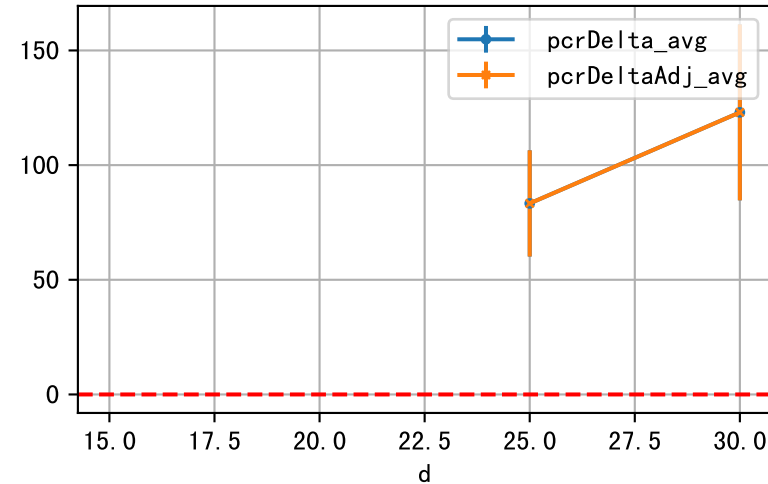


P9AW LfA: D_15d_LfA

DeltaTypeAbbr=GrpByAge

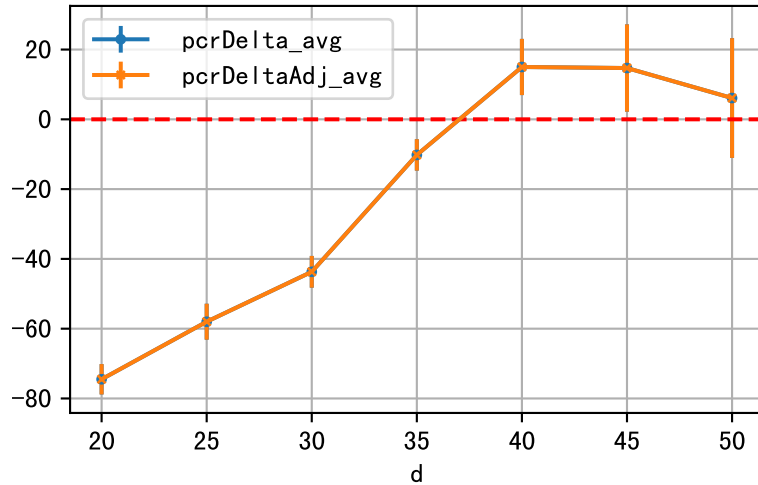
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

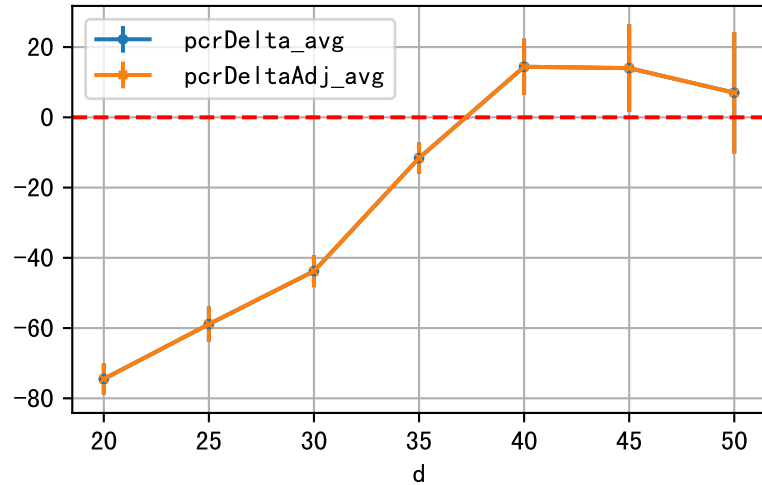


P9AW LfA: D_Q50_LfA

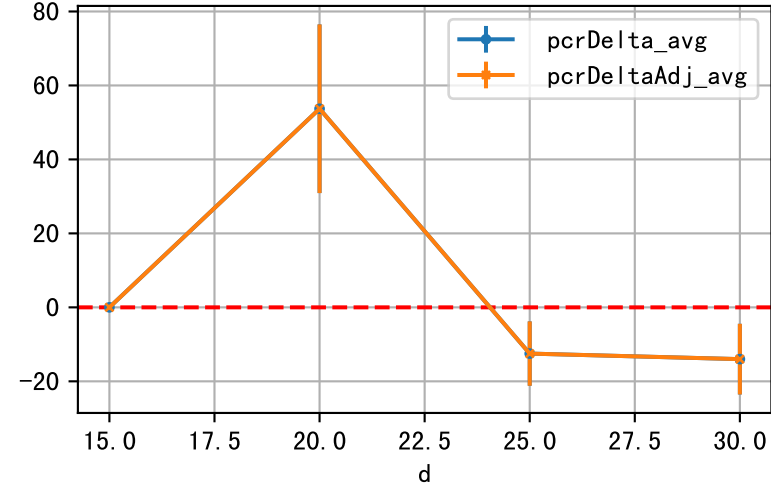
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

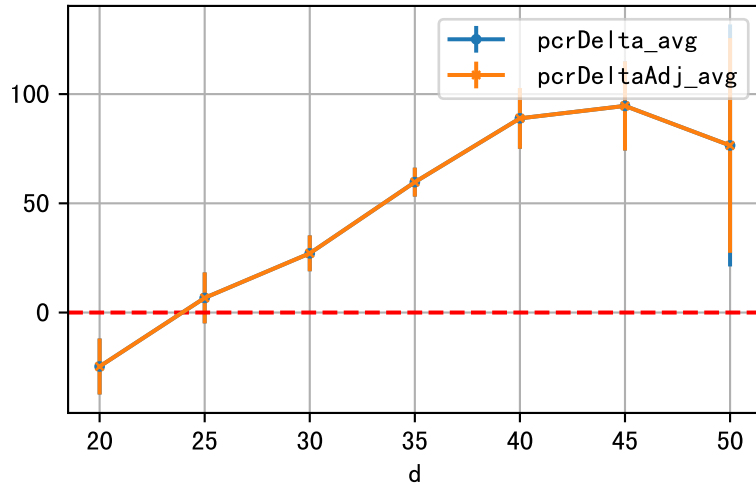


DeltaTypeAbbr=GrpByAge

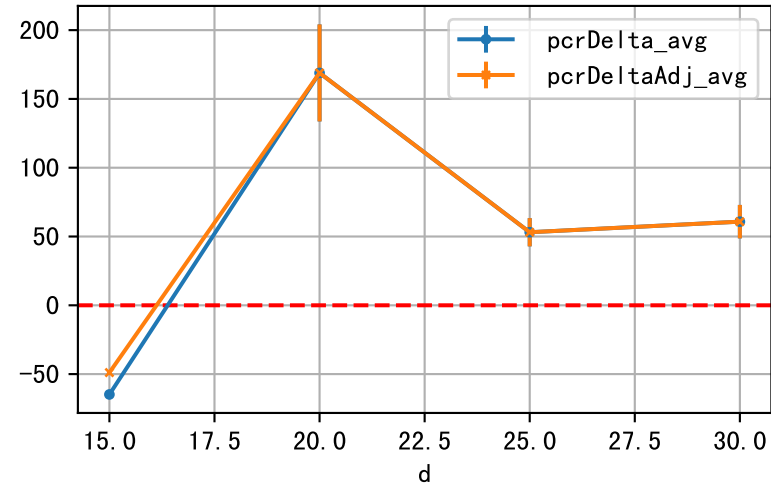


P9AW LfA: D_Est_LfA

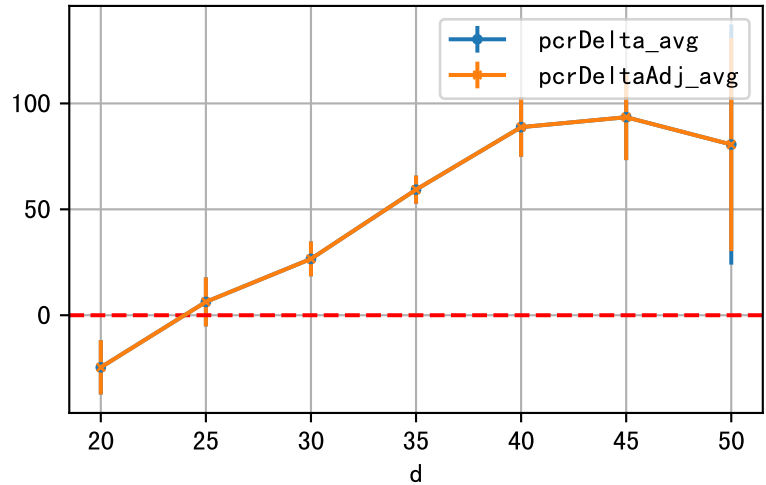
DeltaTypeAbbr=GrpByDay



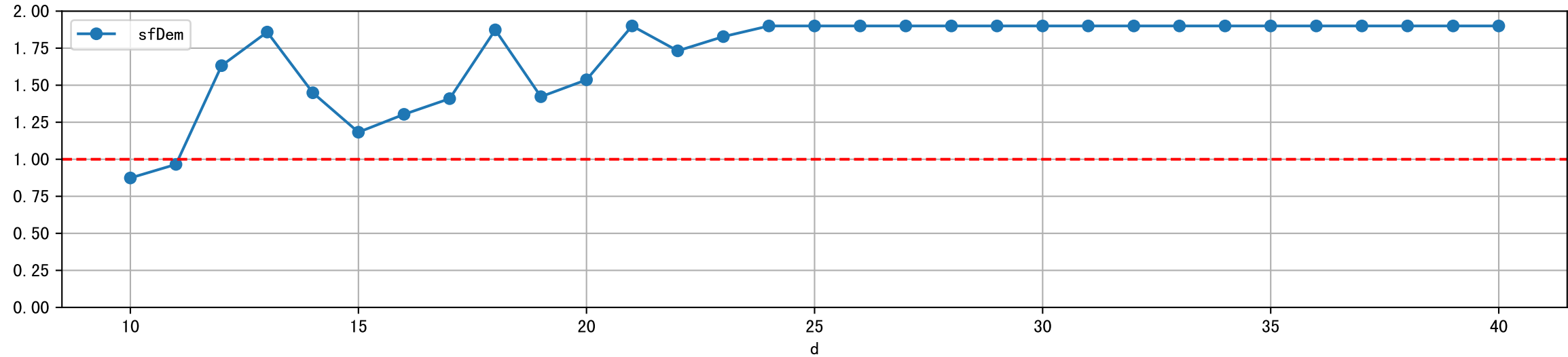
DeltaTypeAbbr=GrpByAge

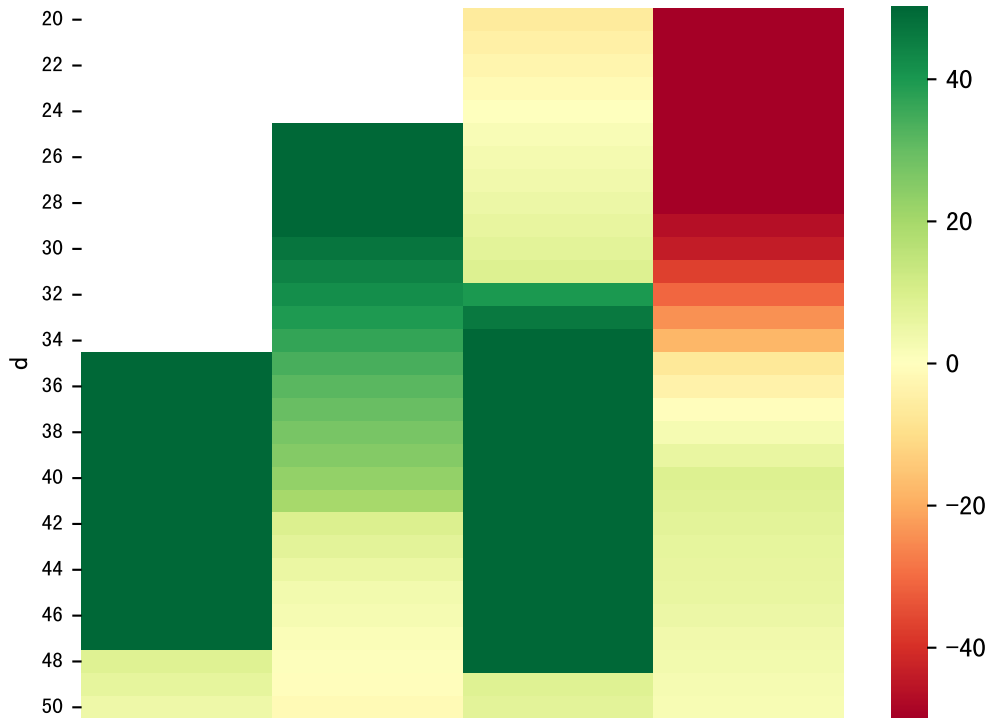


DeltaTypeAbbr=Wei AvgByD



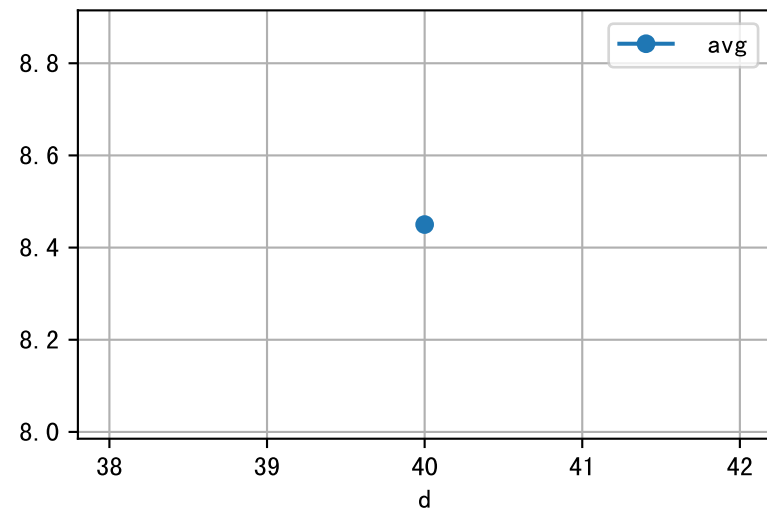
LfA: sfDem



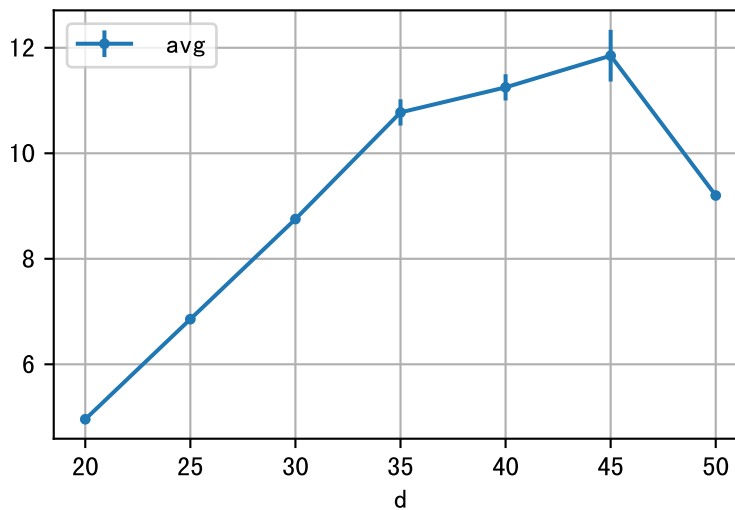


NdD: avg vs. d at each age group

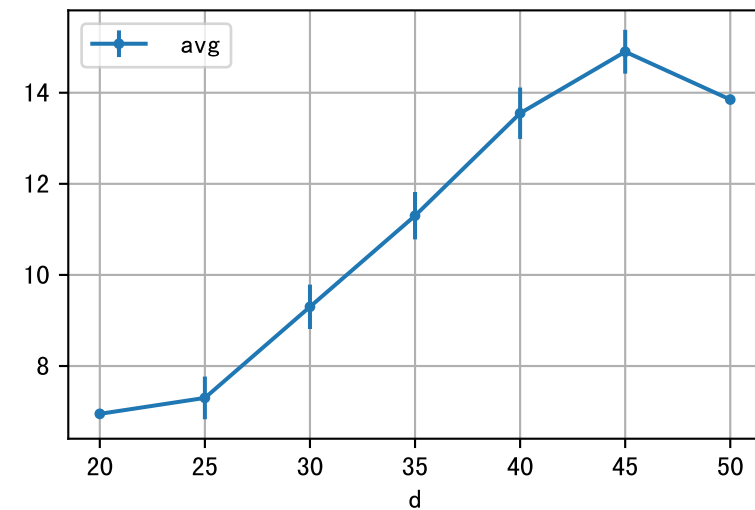
age=15



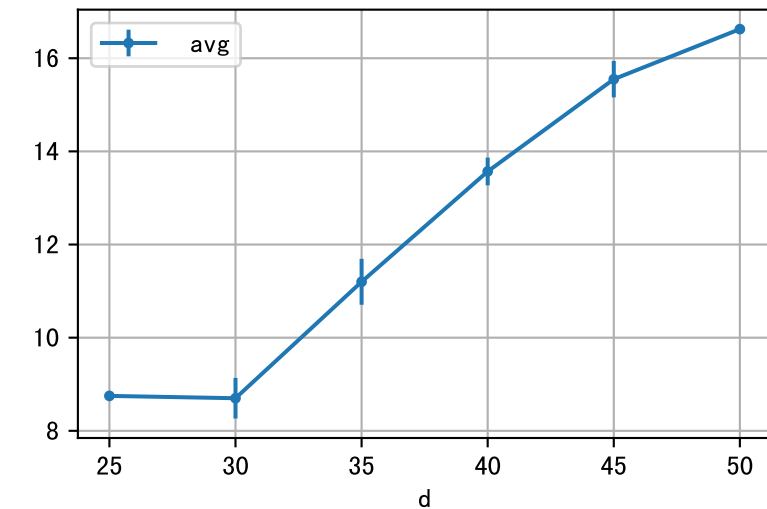
age=20



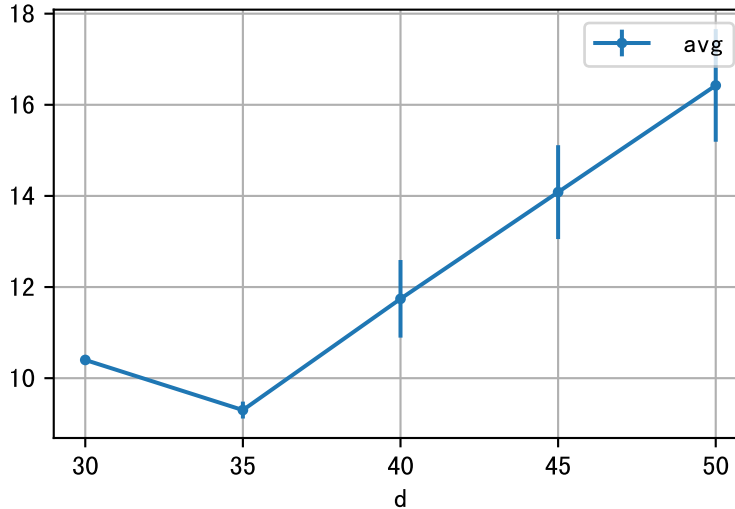
age=25



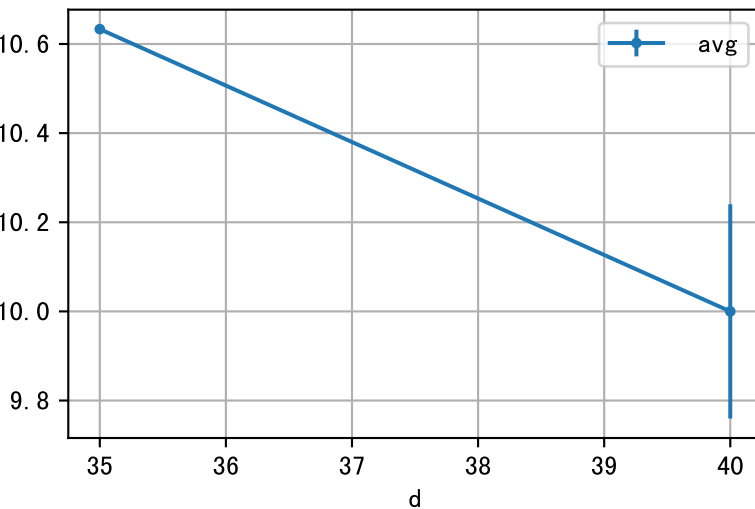
age=30



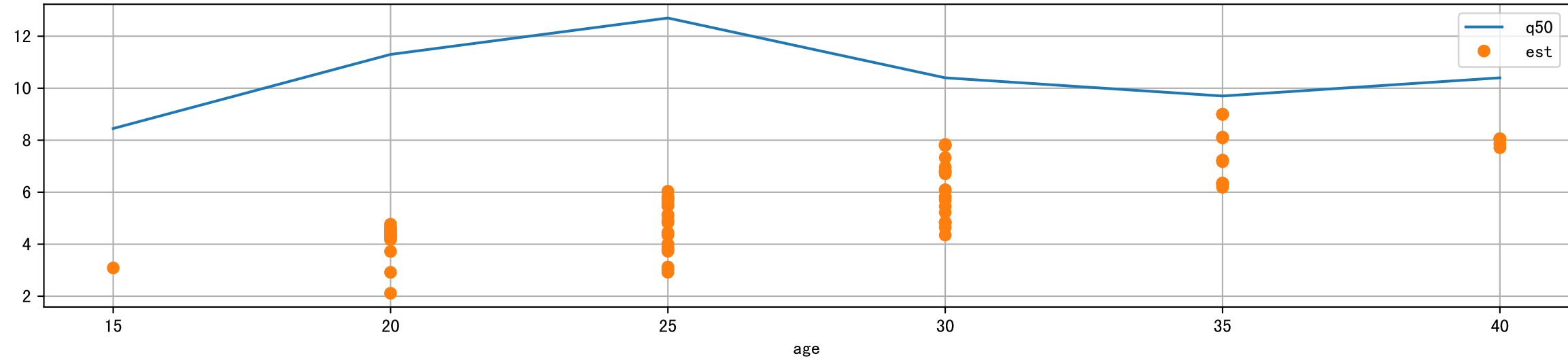
age=35



age=40

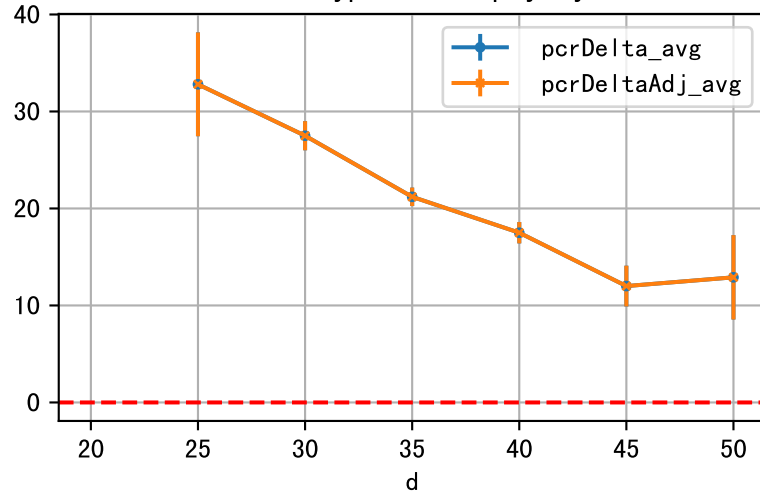


NdD: model est vs obs0v@Q50

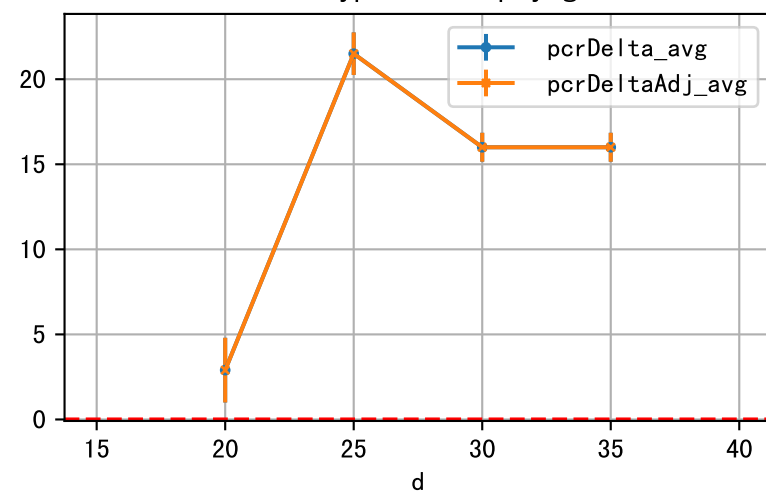


P9AW NdD: D_5d_NdD

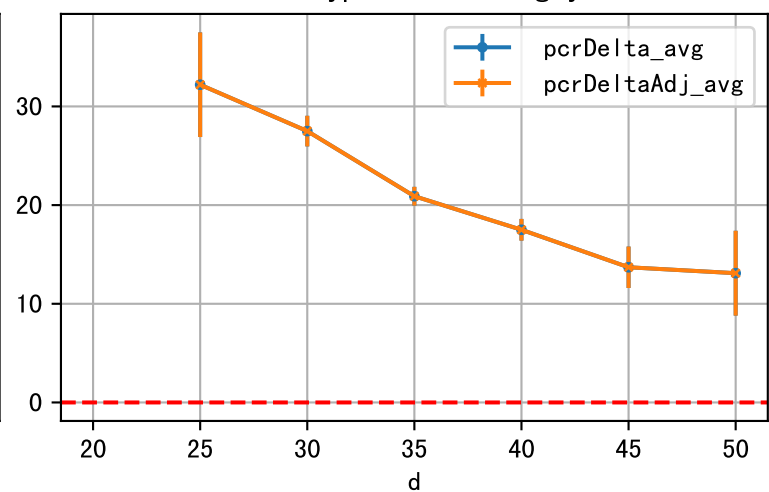
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

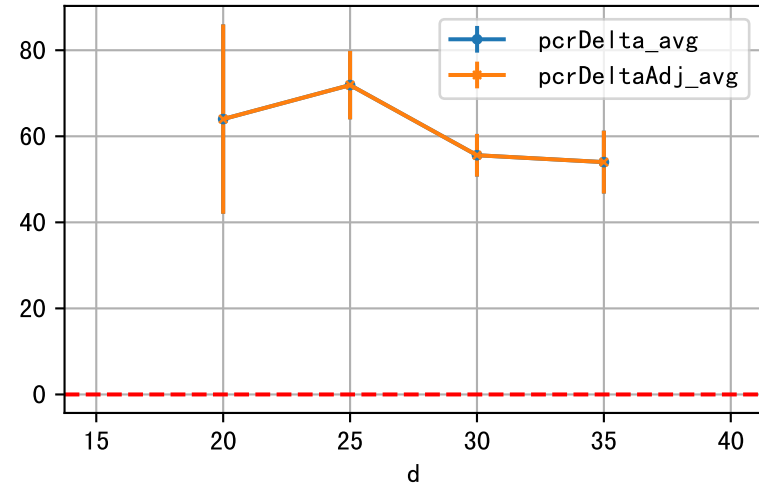


DeltaTypeAbbr=WeiAvgByD

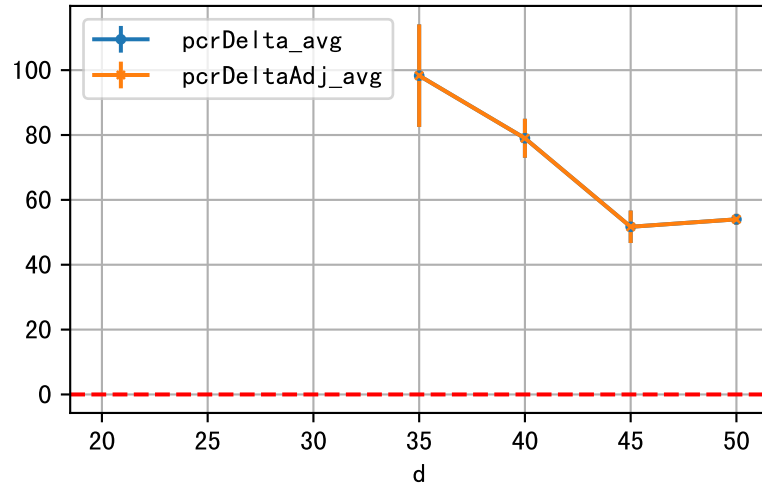


P9AW NdD: D_15d_NdD

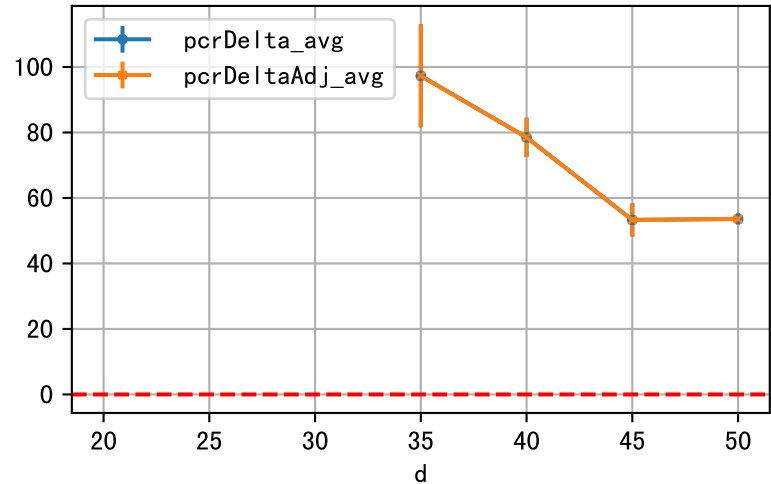
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

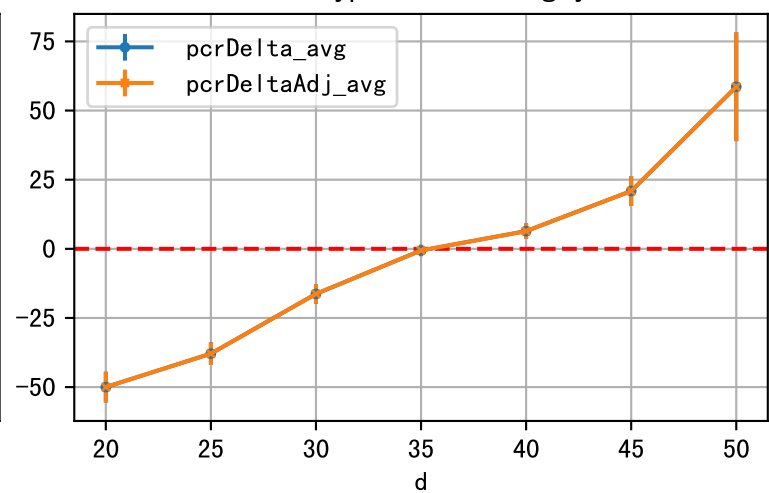
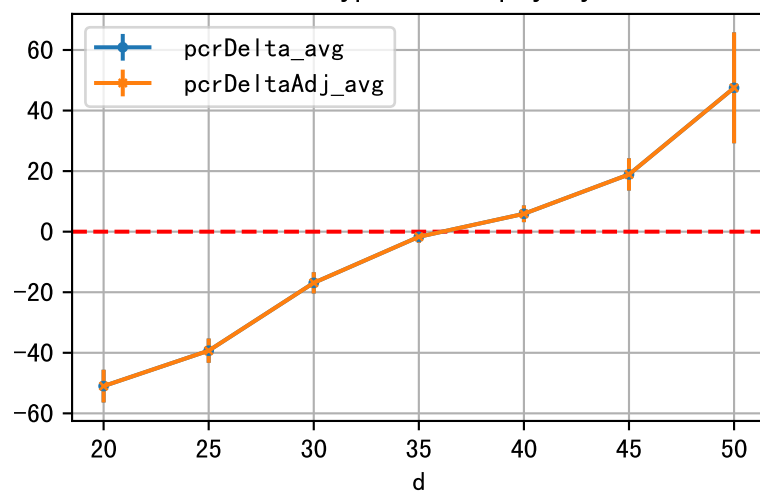
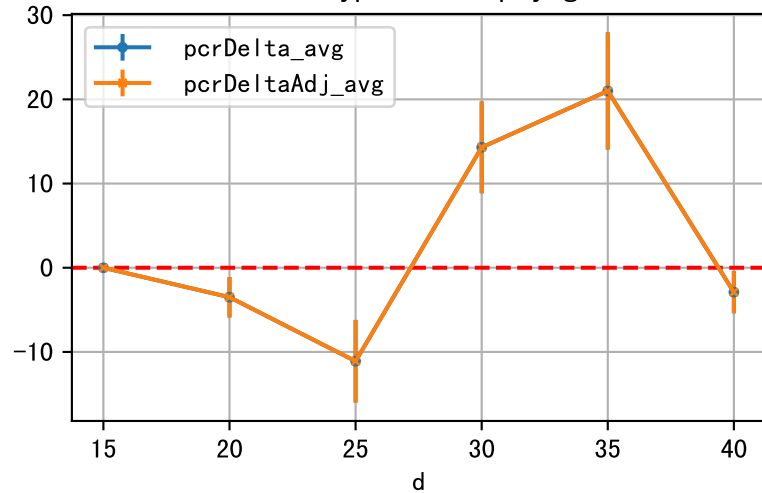


DeltaTypeAbbr=Wei AvgByD



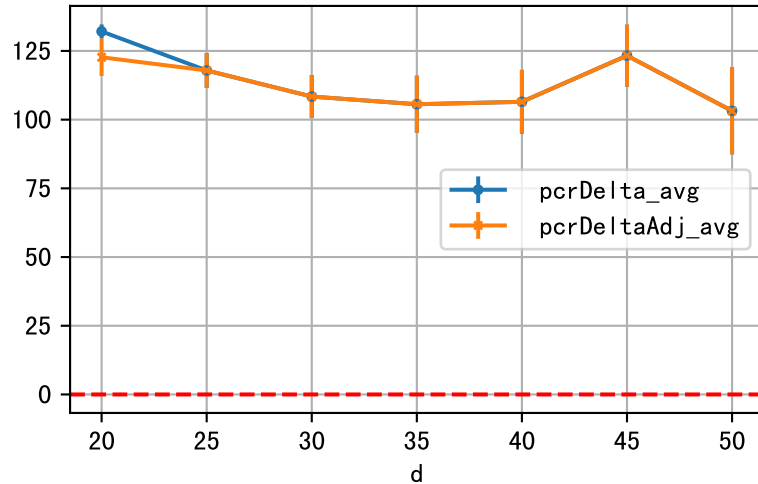
P9AW NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByDay

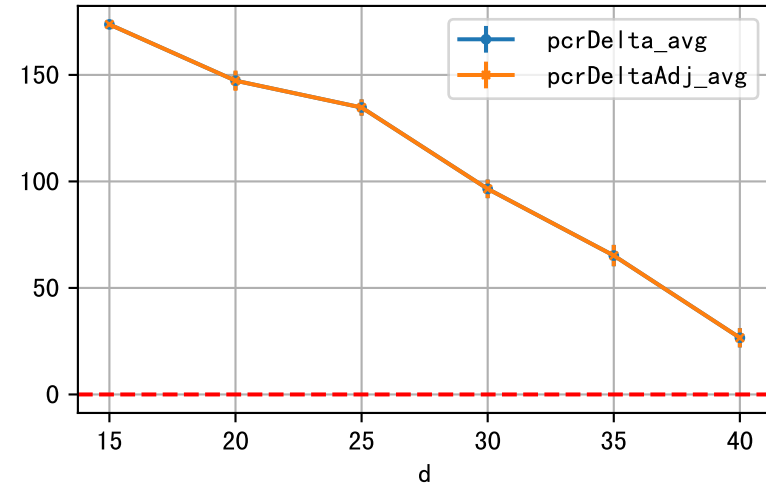


P9AW NdD: D_Est_NdD

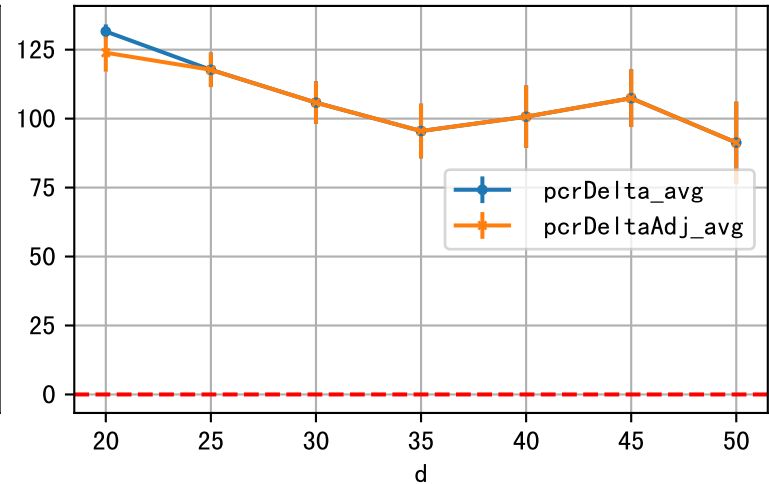
DeltaTypeAbbr=GrpByDay



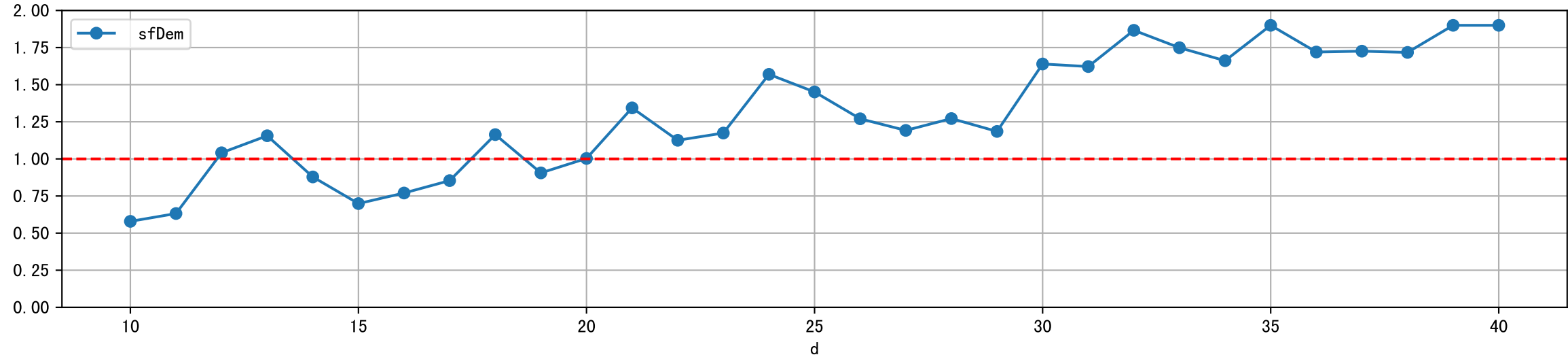
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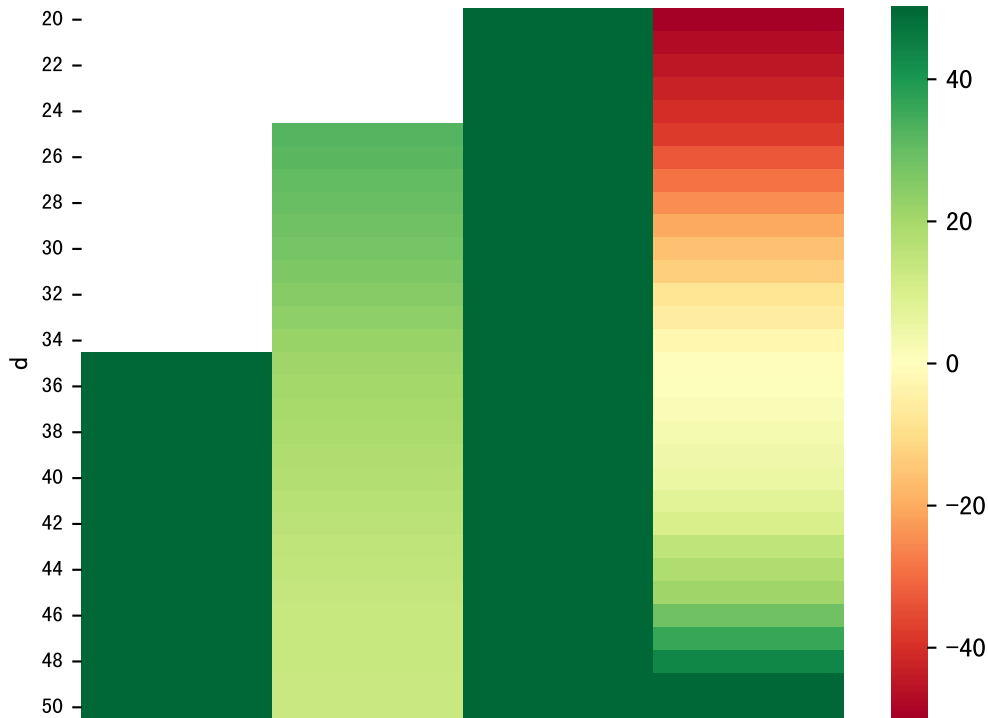


DeltaTypeAbbr=Wei AvgByD

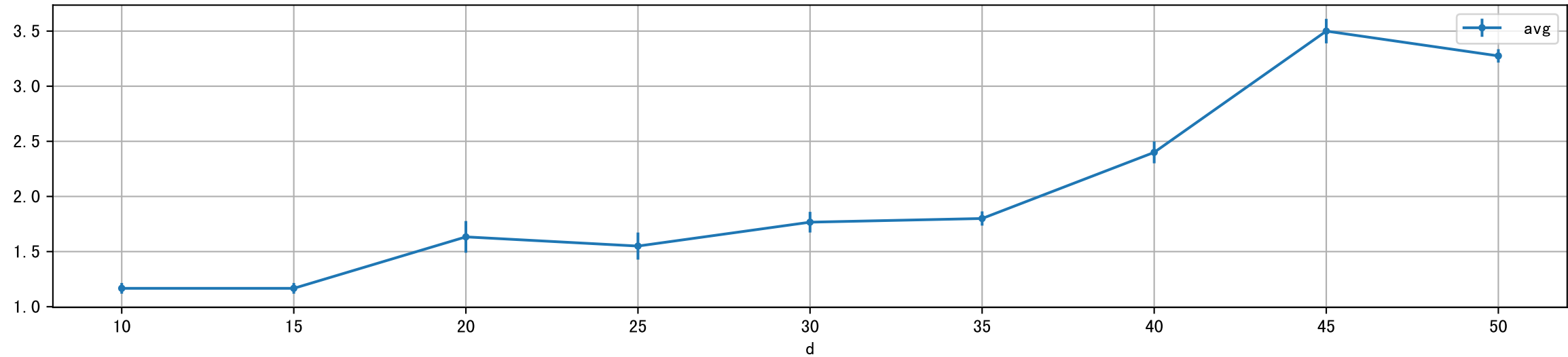


NdD: sfDem

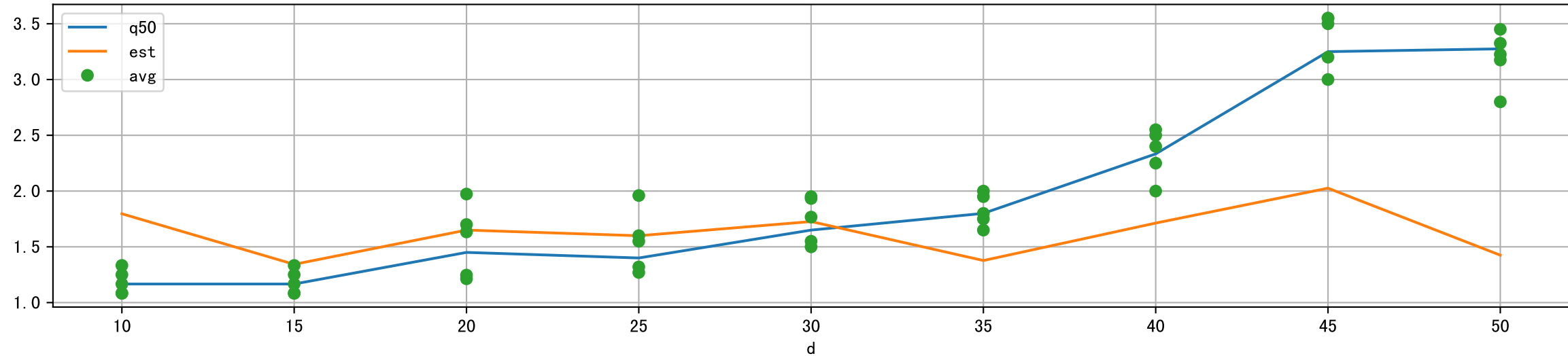




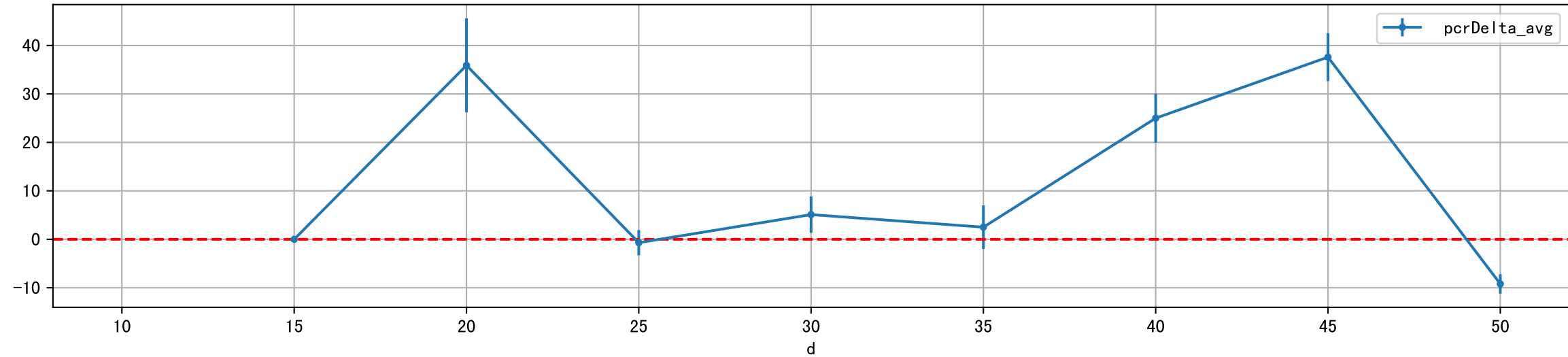
dStH: avg vs. d



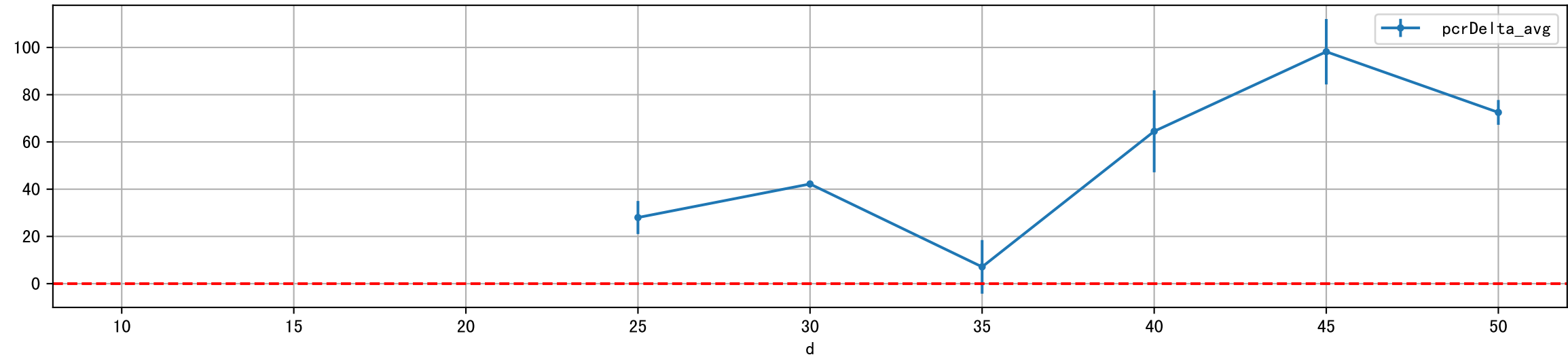
dStH: obsAvg vs obs0v@Q50



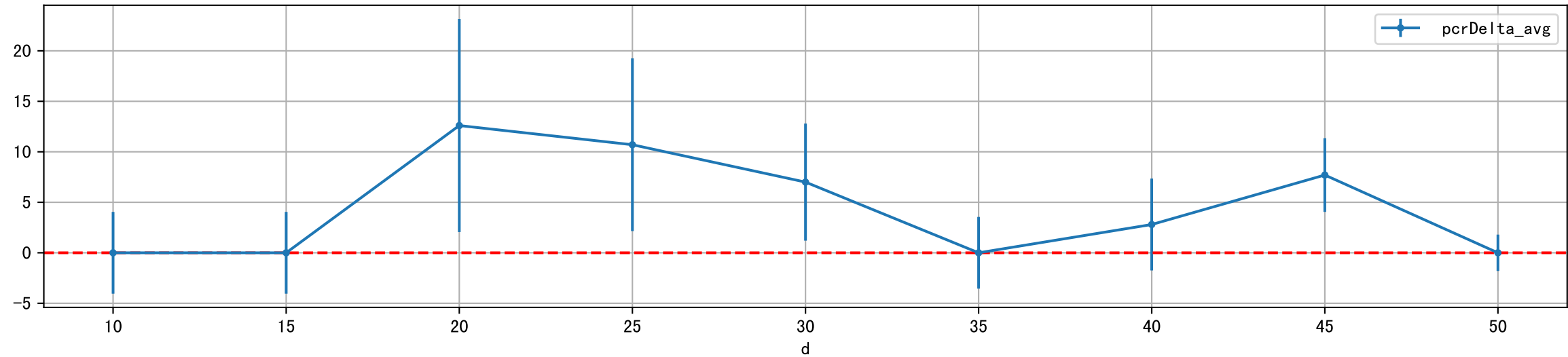
dStH: D_5d_StH



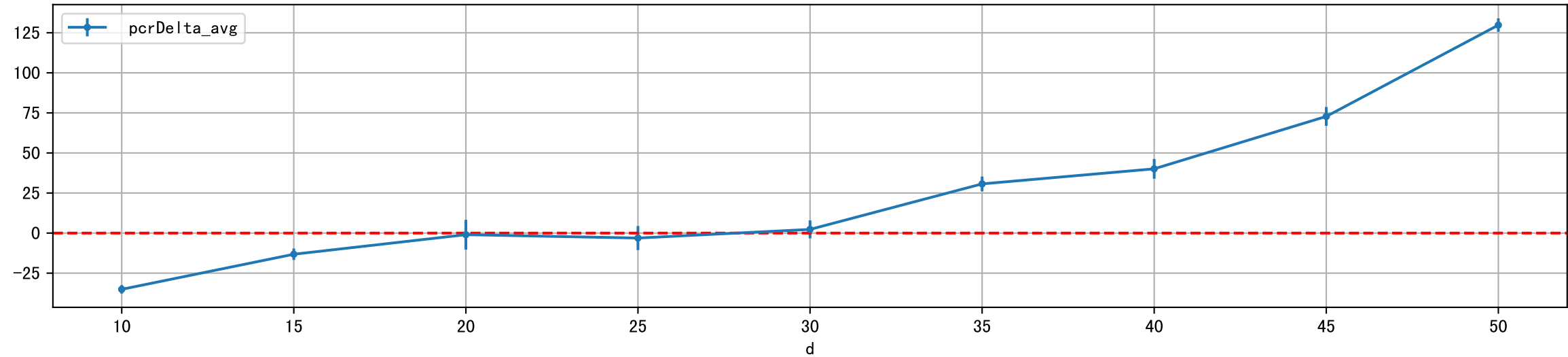
dStH: D_15d_StH



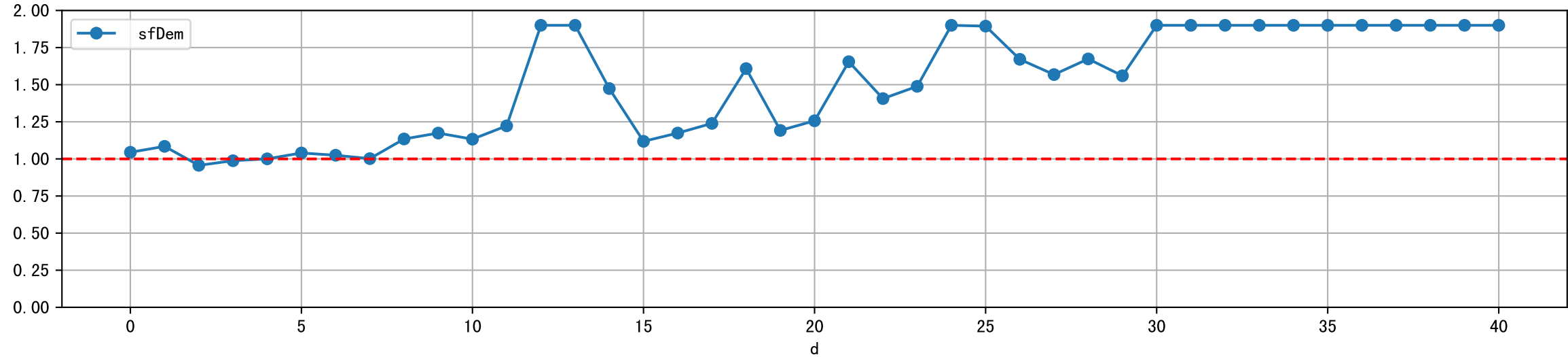
dStH: D_Q50_StH



dStH: D_Est_StH



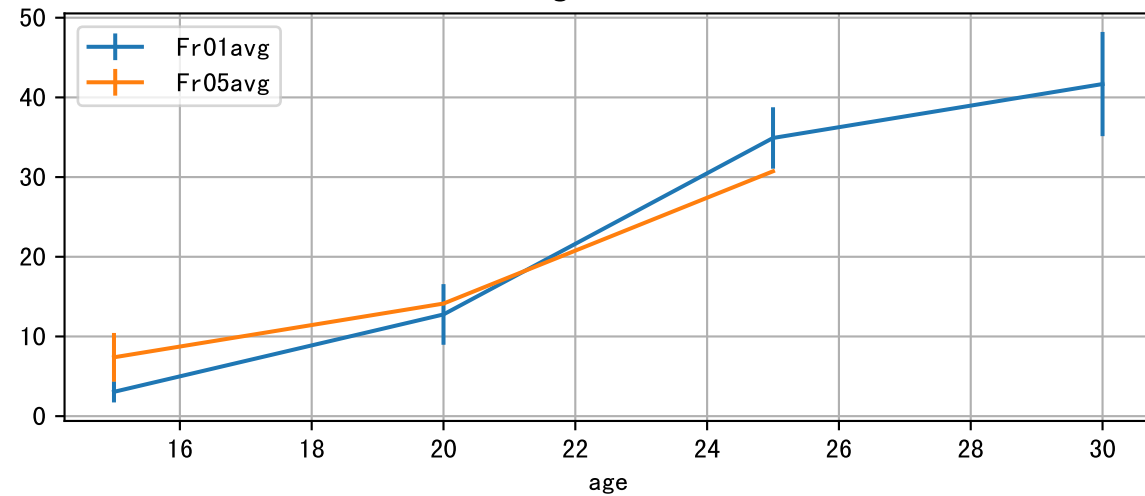
dStH: sfDem



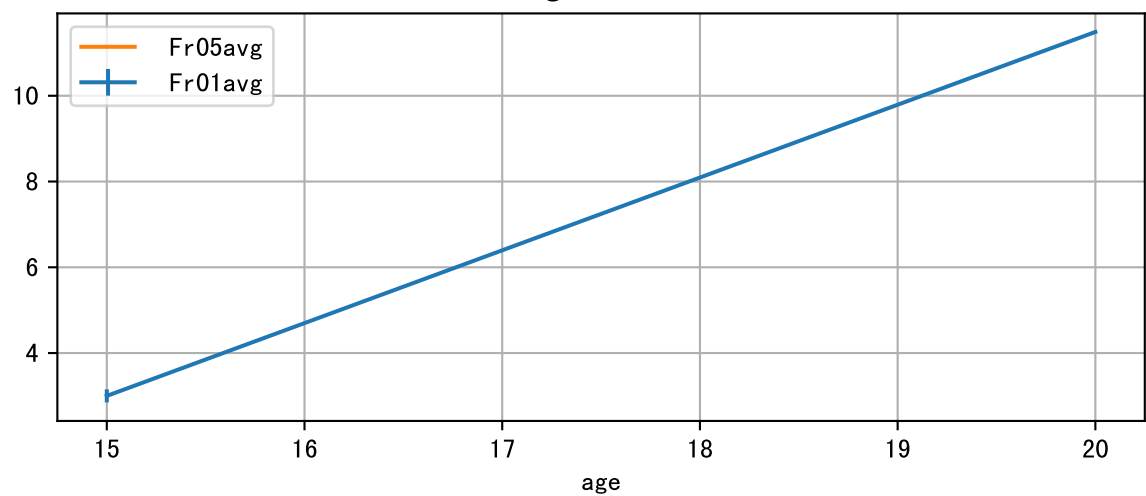


FrV: Fr01 vs Fr05 at each truss

organID=T01

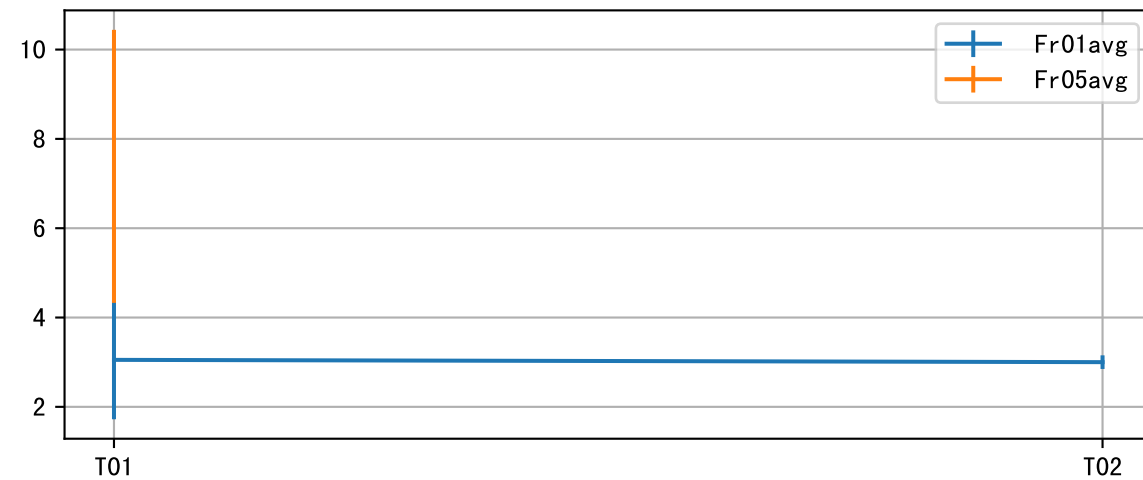


organID=T02

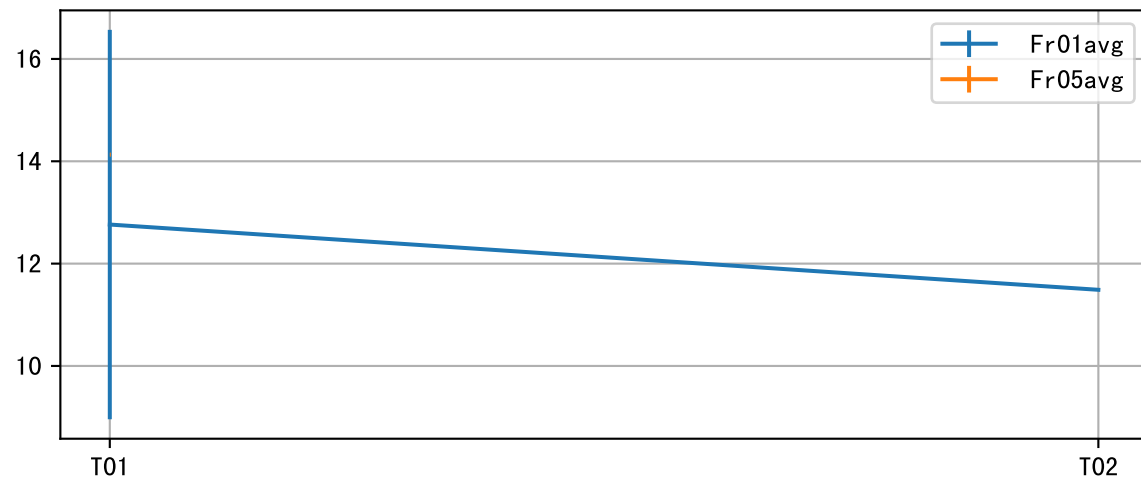


FrV trend at each age

age=15

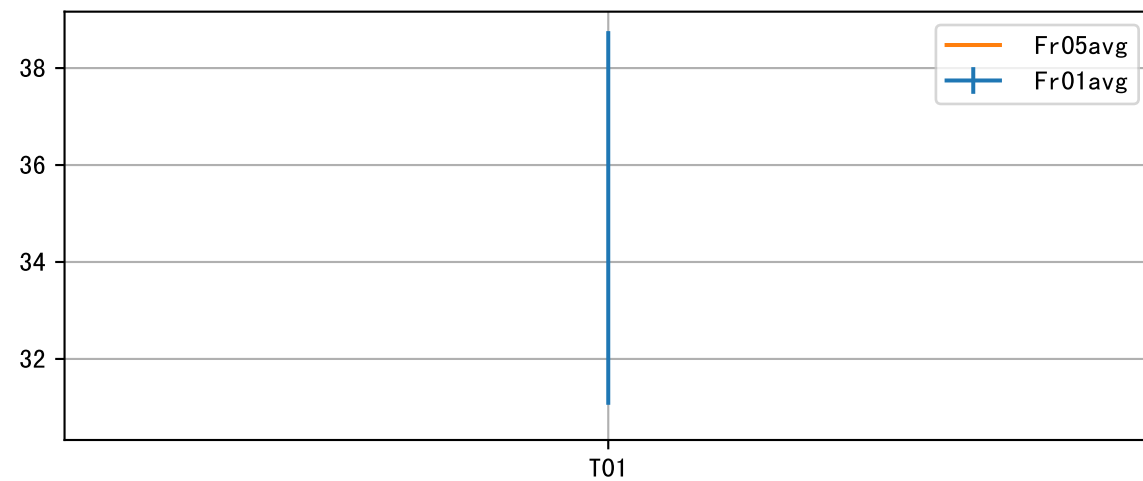


age=20



organID

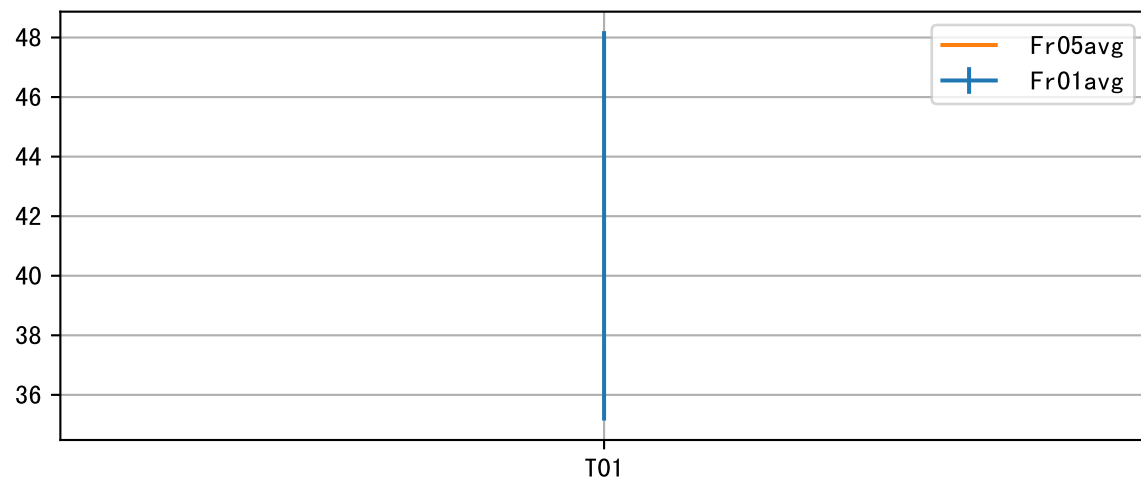
age=25



organID

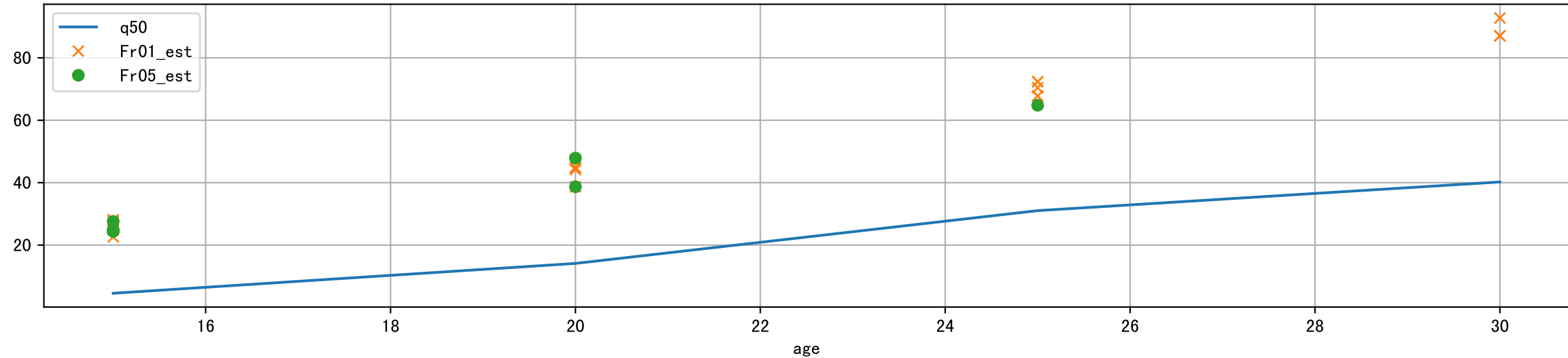
organID

age=30

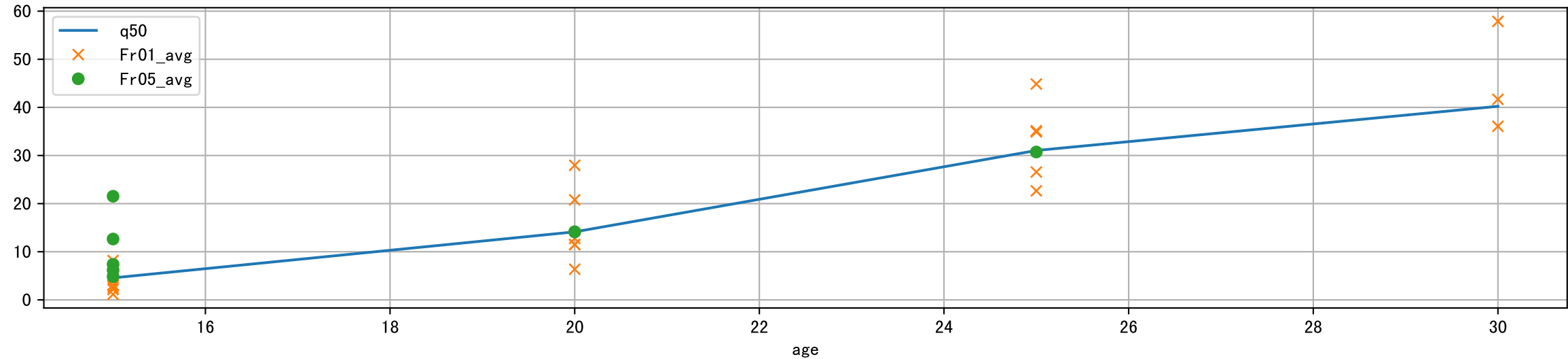


organID

FrV: model Est vs obsFrV at Q90

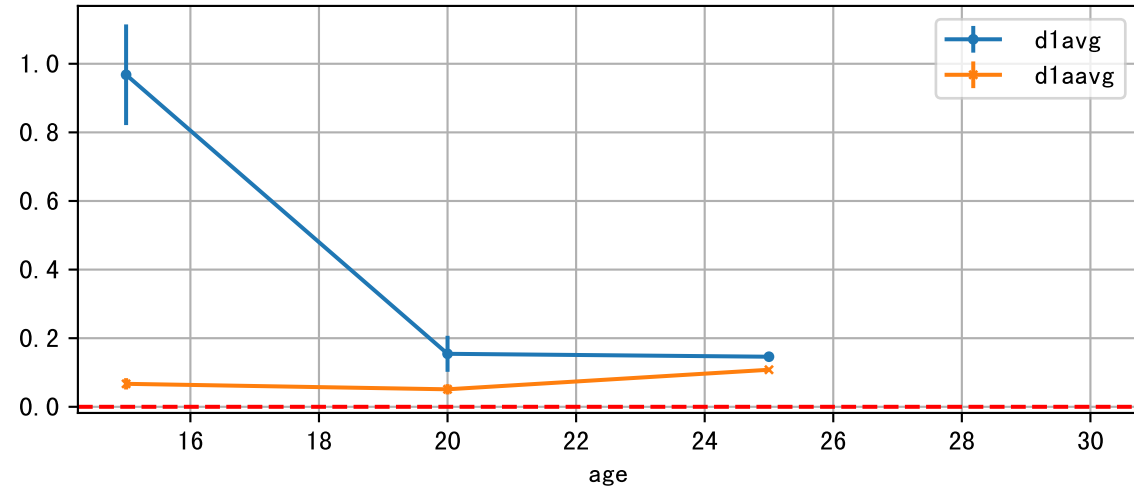


FrV: obsFrV vs obsFrV@Q90

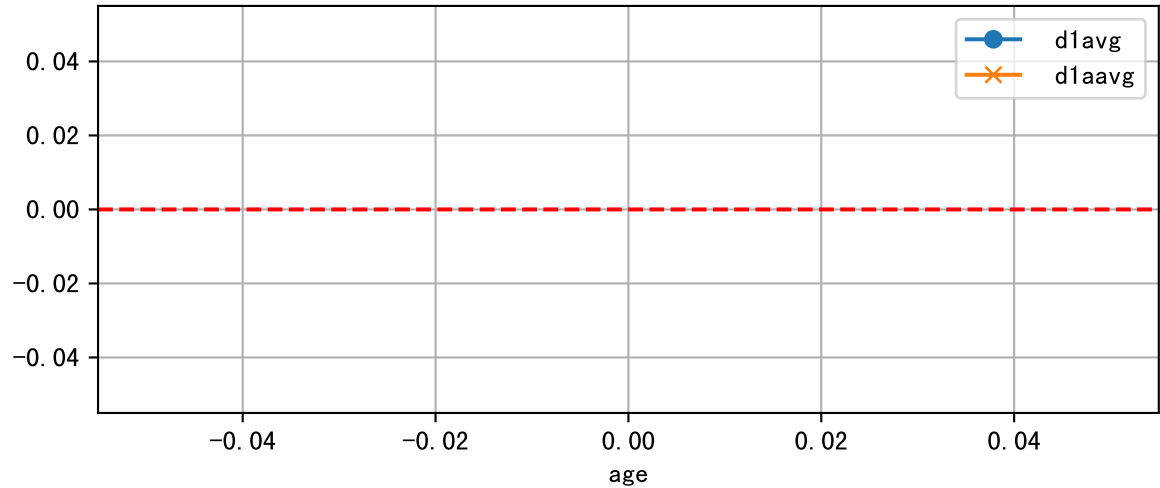


FrV: D_Fr1_FrV

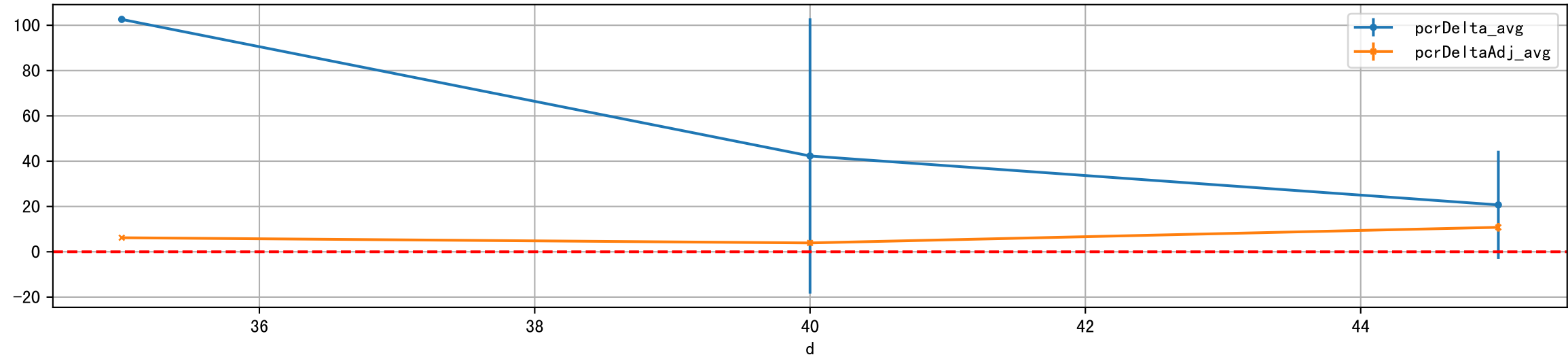
organID=1



organID=2

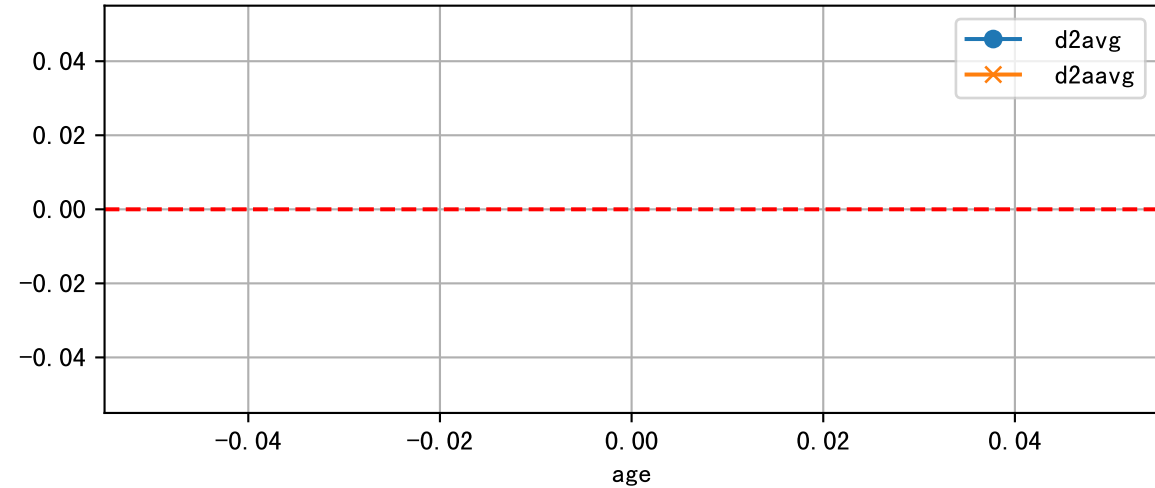


P9AW FrV: D_Fr1_FrV

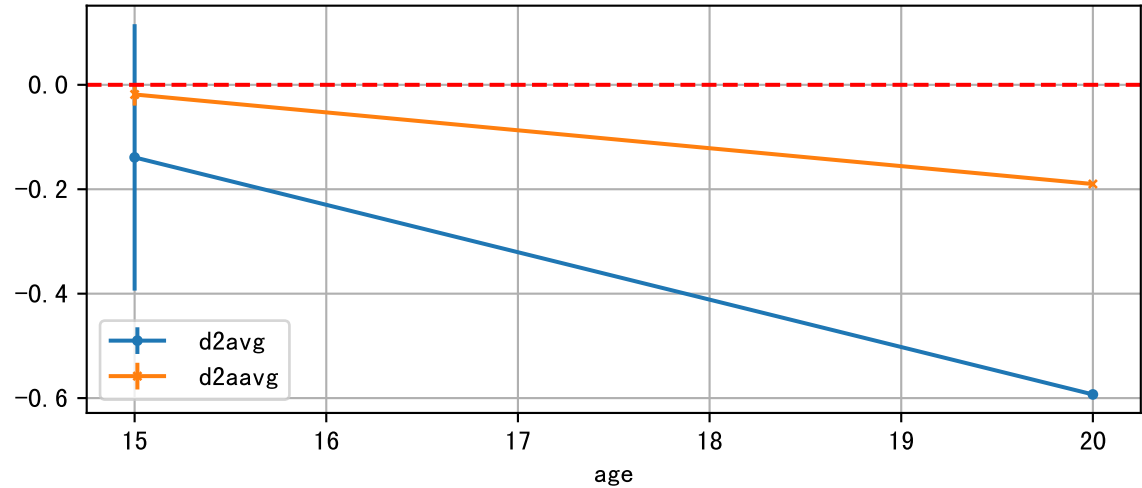


FrV: D_Ts_FrV

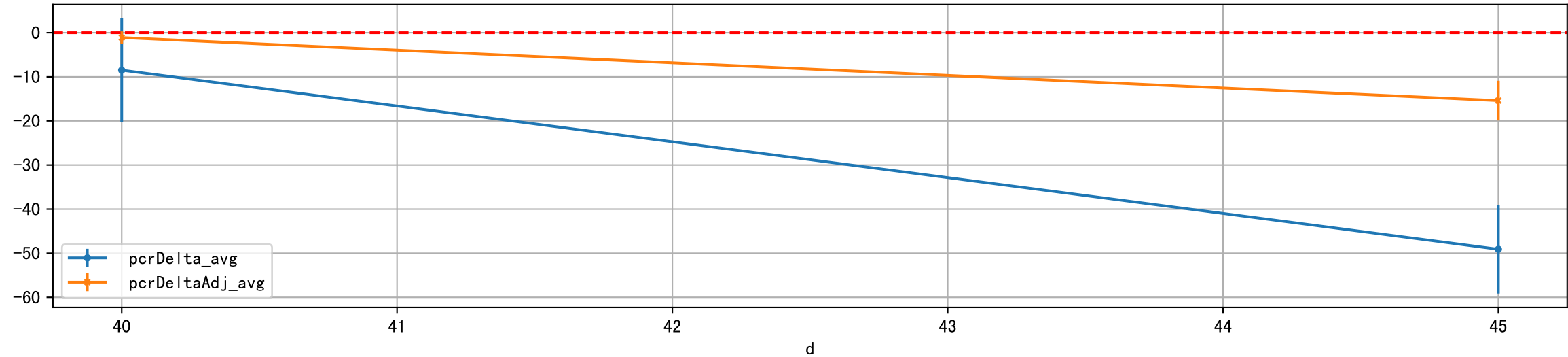
organID=1



organID=2

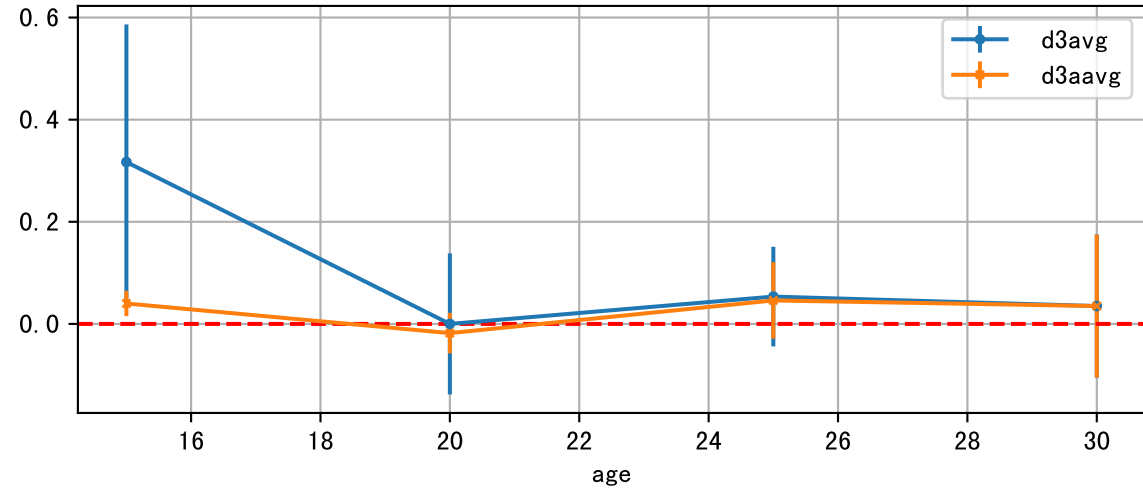


P9AW FrV: D_Ts_FrV

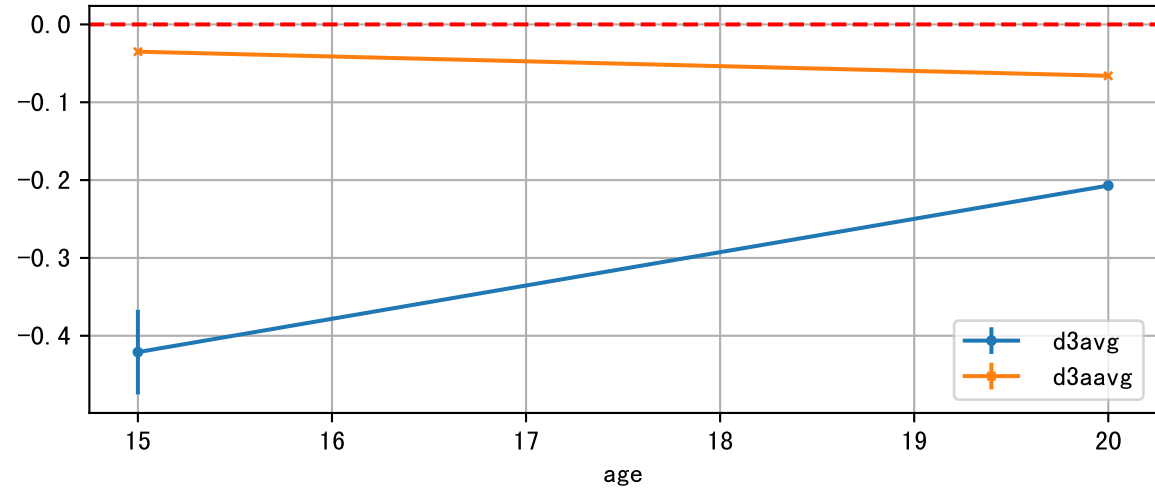


FrV: D_Q50_FrV

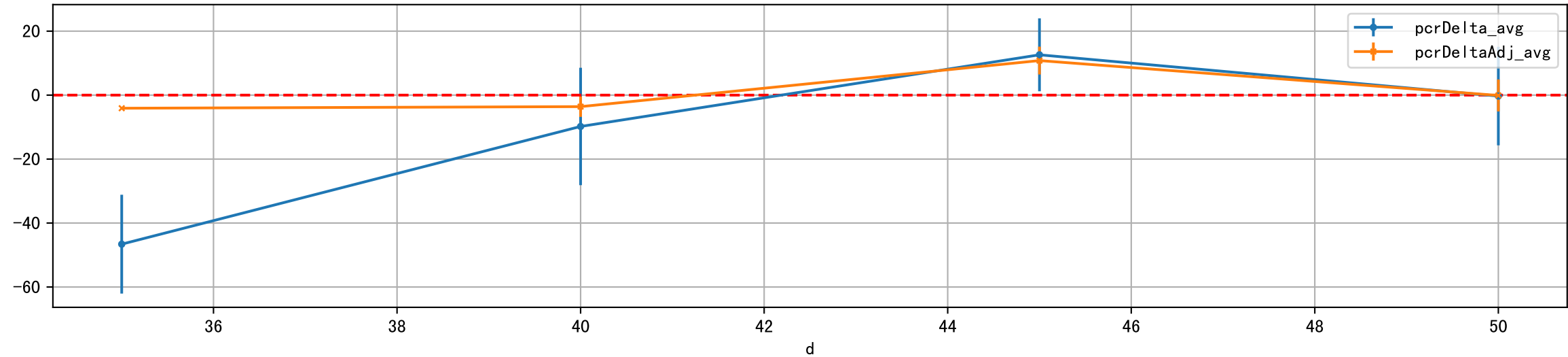
organID=1



organID=2

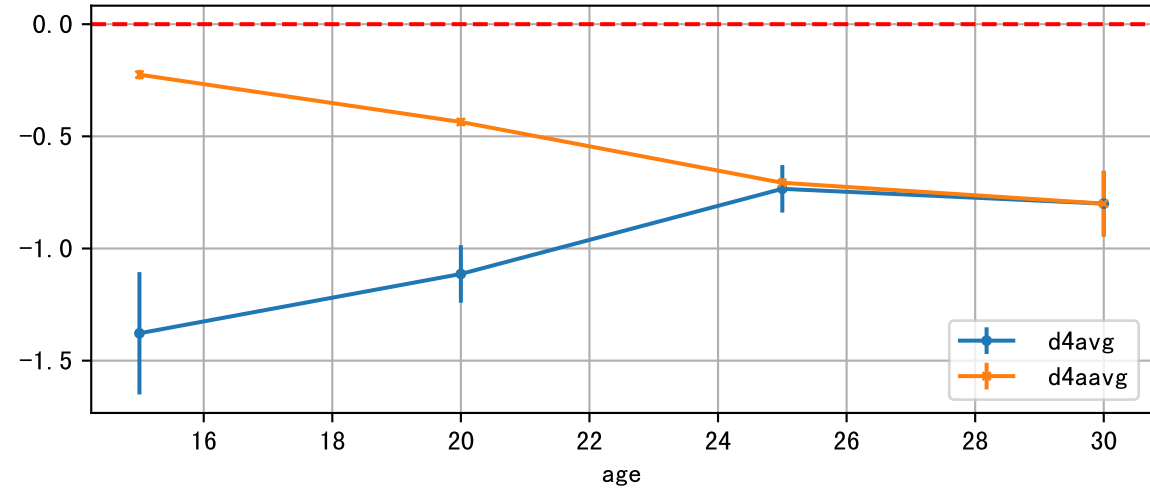


P9AW FrV: D_Q50_FrV

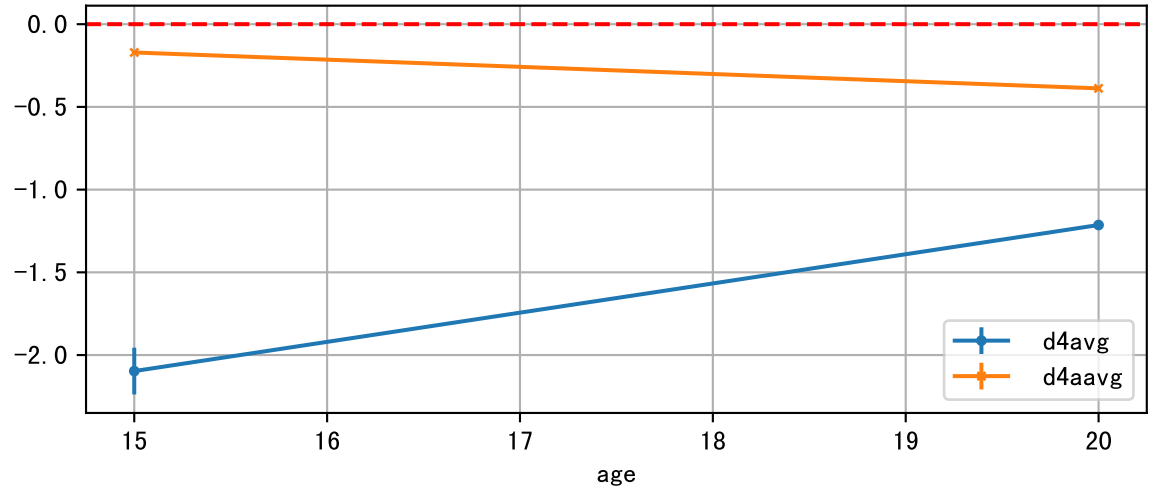


FrV: D_Est_FrV

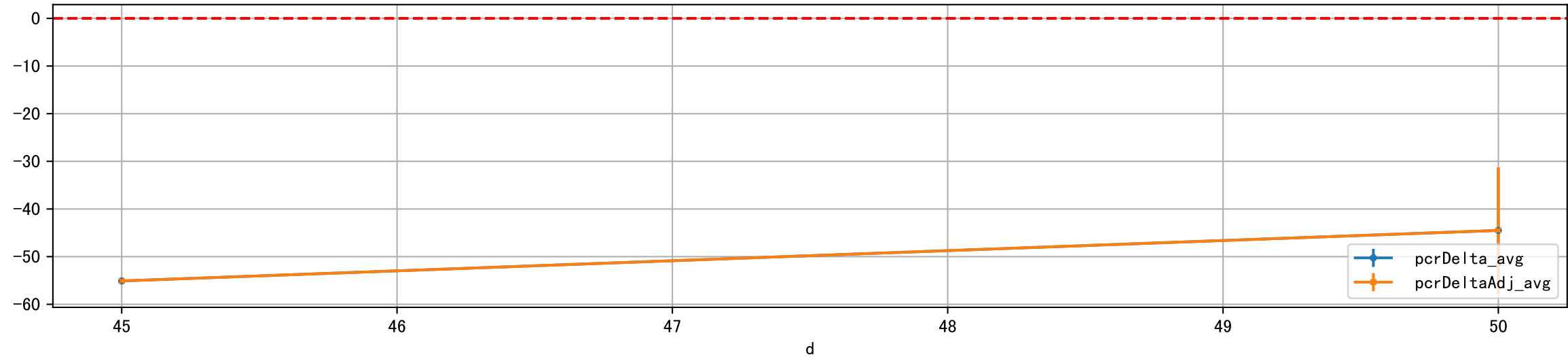
organID=1



organID=2



P9AW FrV: D_Est_FrV



P9AW FrV: sfDem

