

Phenotype Data Analysis Plots

PhenoData day range = 10 – 52

Analysis cutoff day = 52

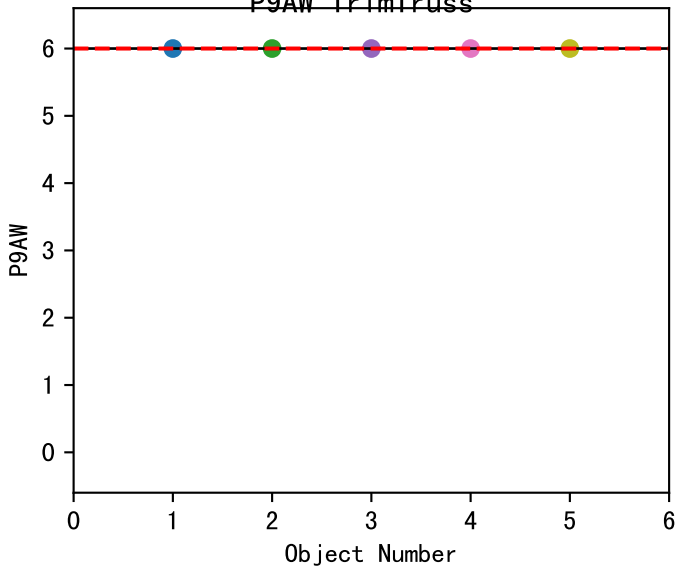
NC11 P9

2025-05-23 (Day 53)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

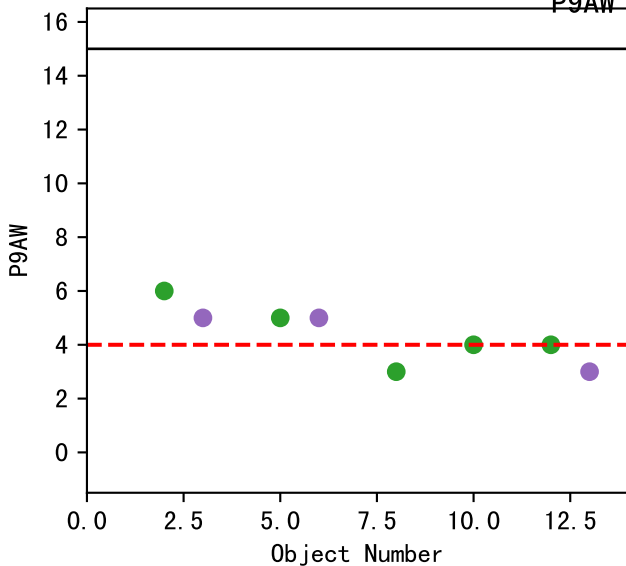
P9AW TrimTruss



FruitNumAvgPerTruss (Def=15 Set=4)

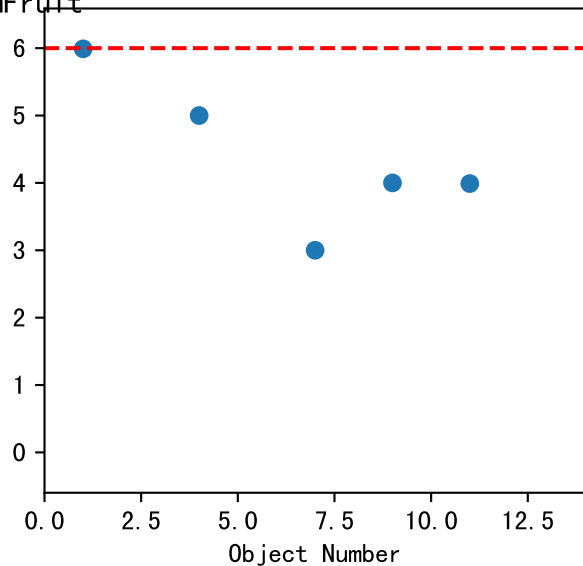
avg1=4.0~24% avg2=na

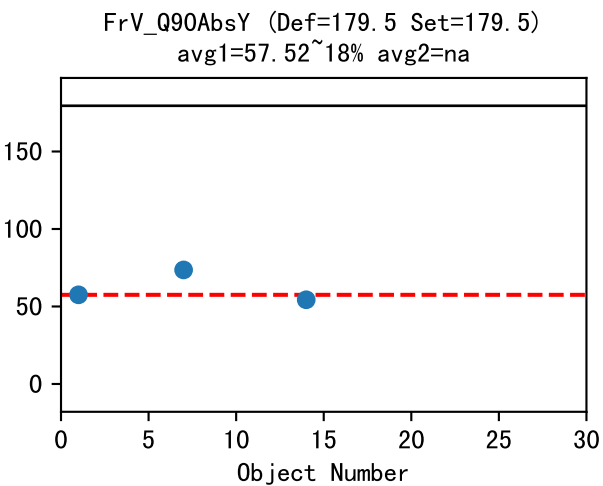
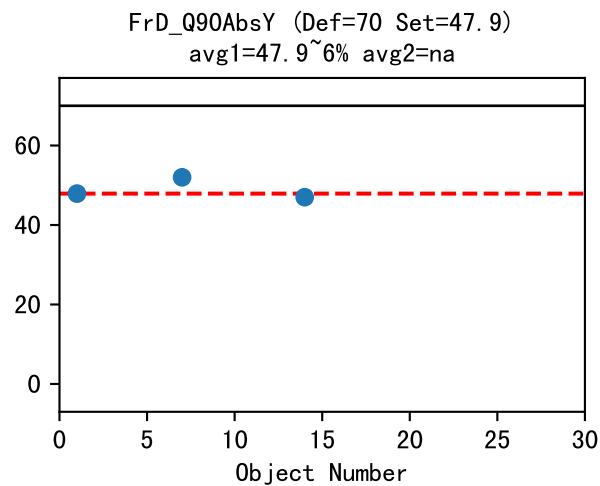
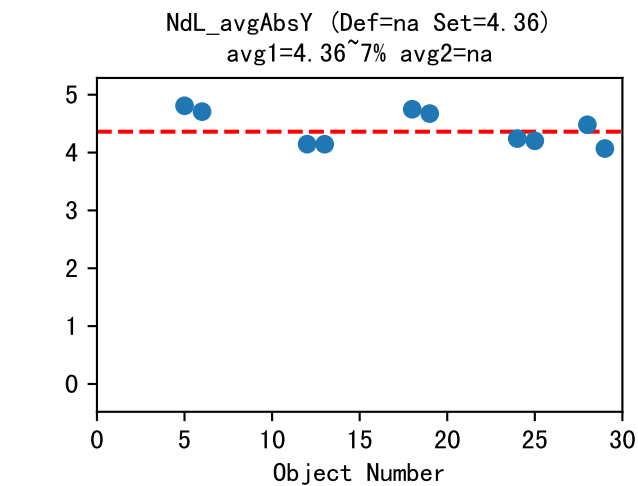
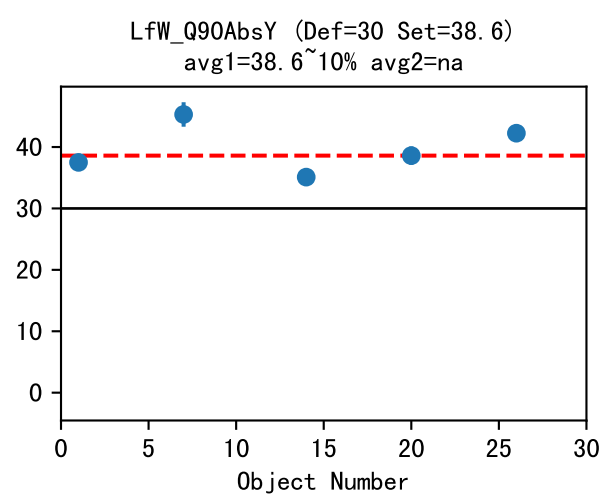
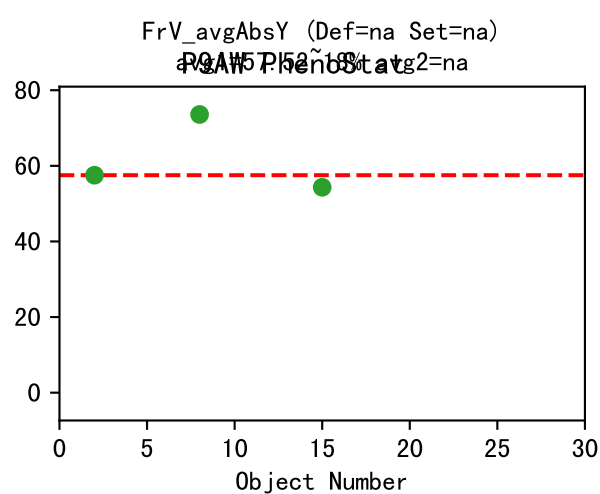
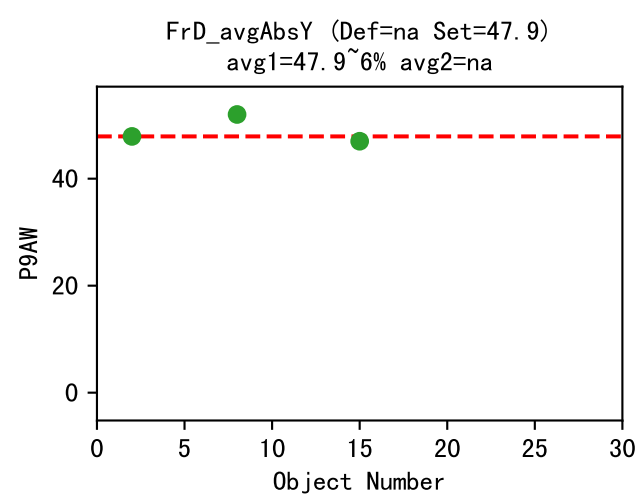
P9AW TrimFruit



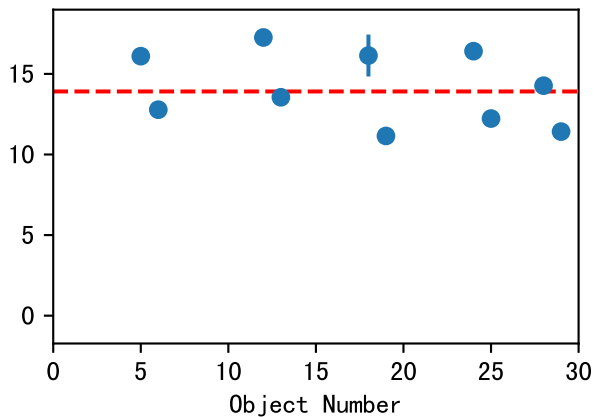
FruitNumMaxPerTruss (Def=na Set=6)

avg1=6.0~20% avg2=na

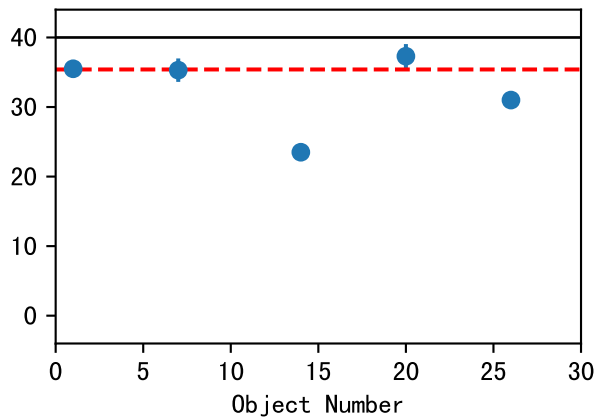




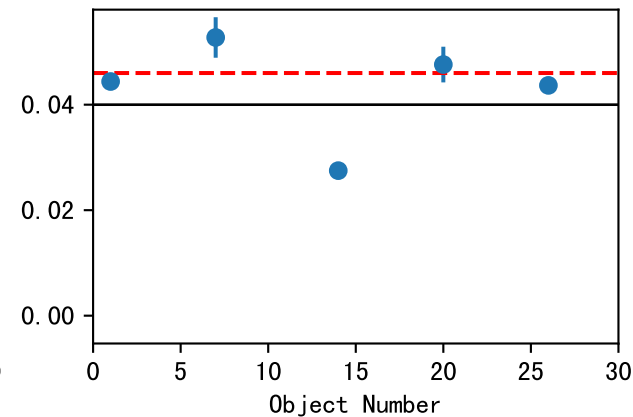
NdD_avgAbsY (Def=na Set=13.91)
avg1=13.91~16% avg2=na



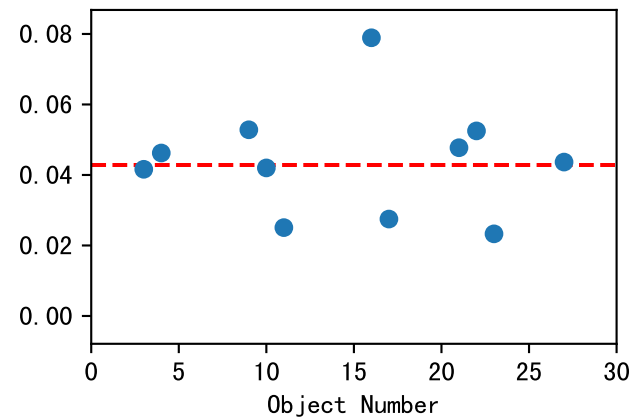
LfL_Q90AbsY (Def=40 Set=35.4)
avg1=35.4~8% avg2=na



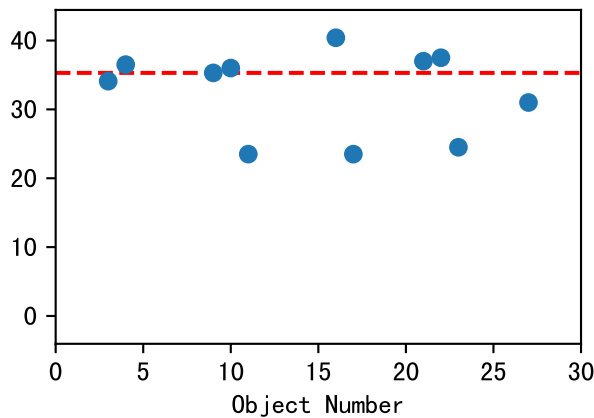
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.05~9% avg2=na



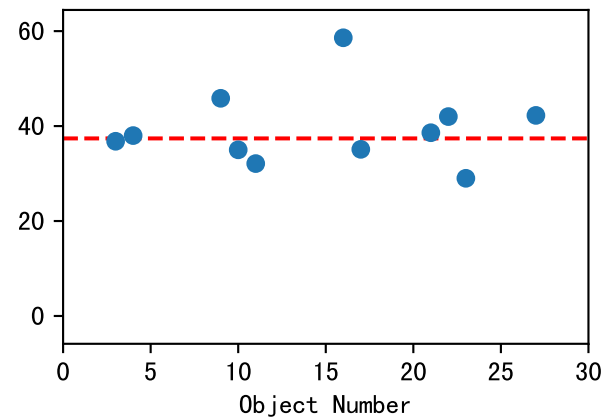
LfA_avgAbsY (Def=na Set=0.04)
avg1=0.04~26% avg2=na

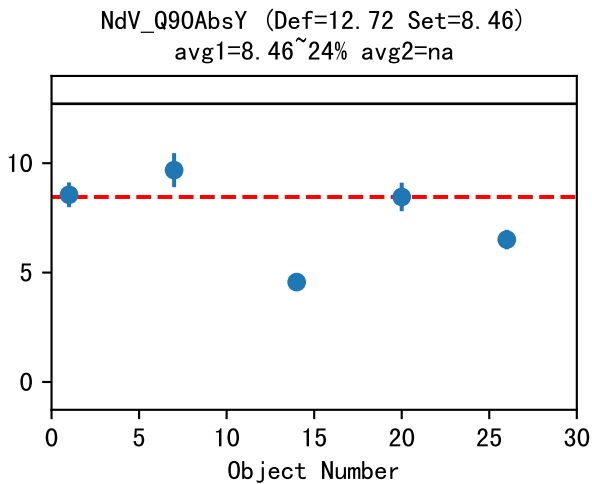
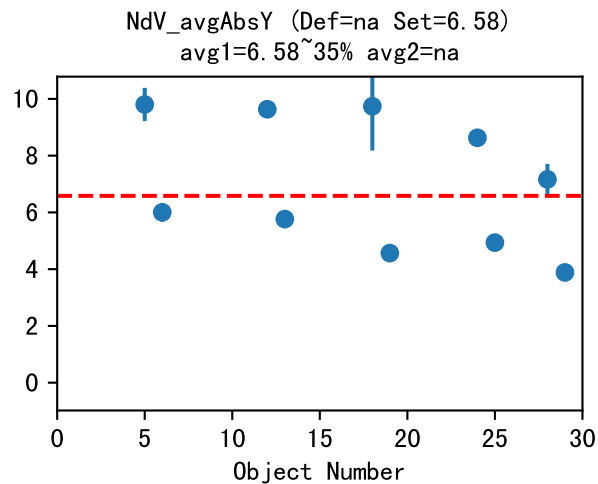
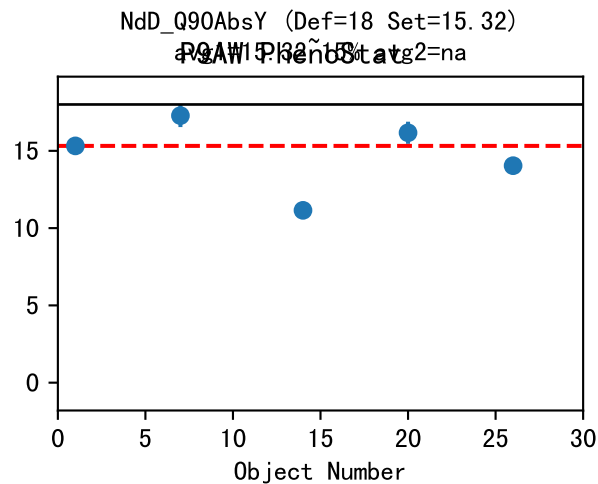
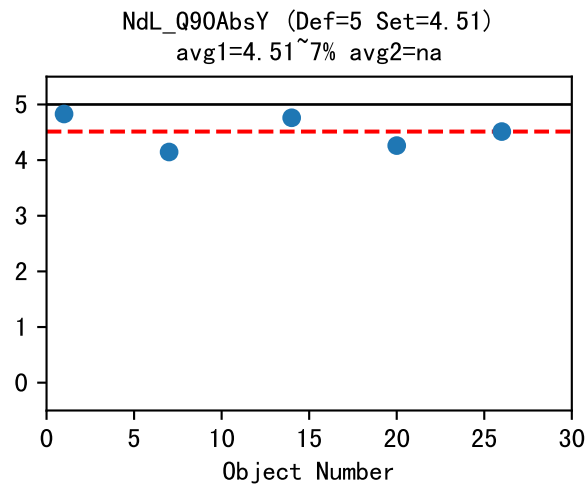


LfL_avgAbsY (Def=na Set=35.3)
avg1=35.3~17% avg2=na

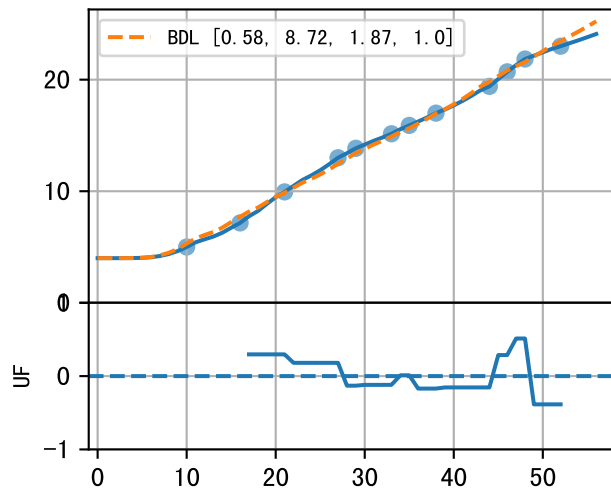


LfW_avgAbsY (Def=na Set=37.4)
avg1=37.4~13% avg2=na

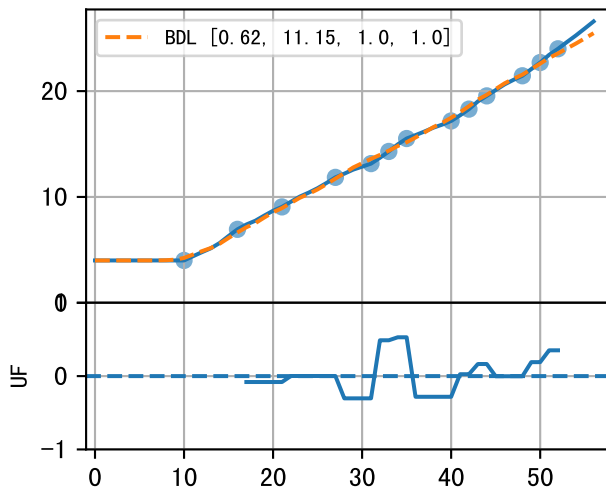




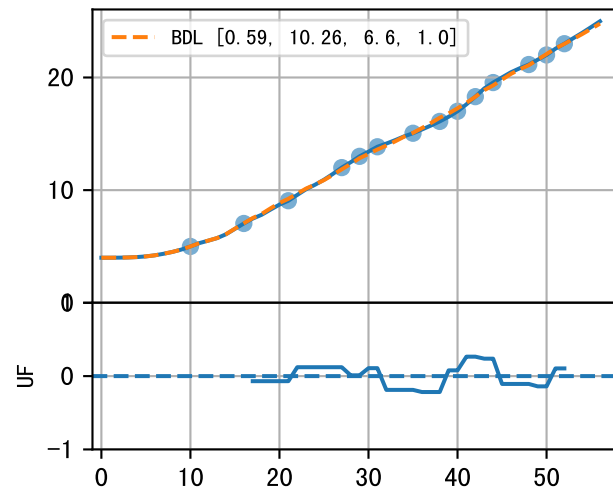
P9AW-005-13 (fit failed)



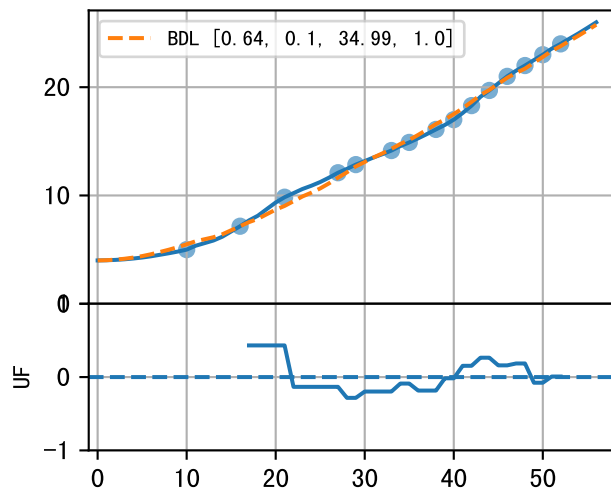
P9AW-017-16 (fit failed)



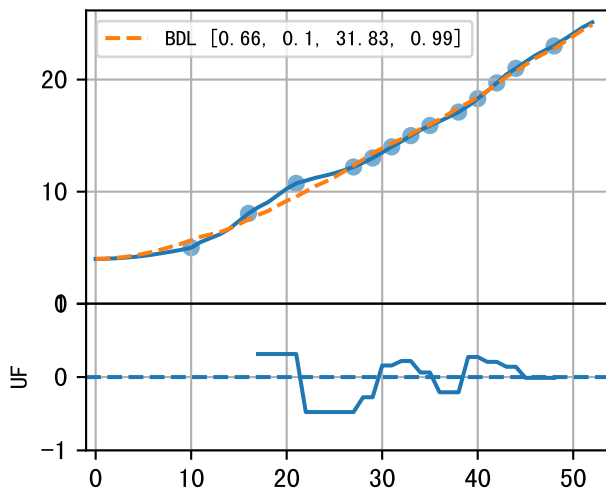
P9AW-029-11 (fit failed)



P9AW-040-22 (fit failed)

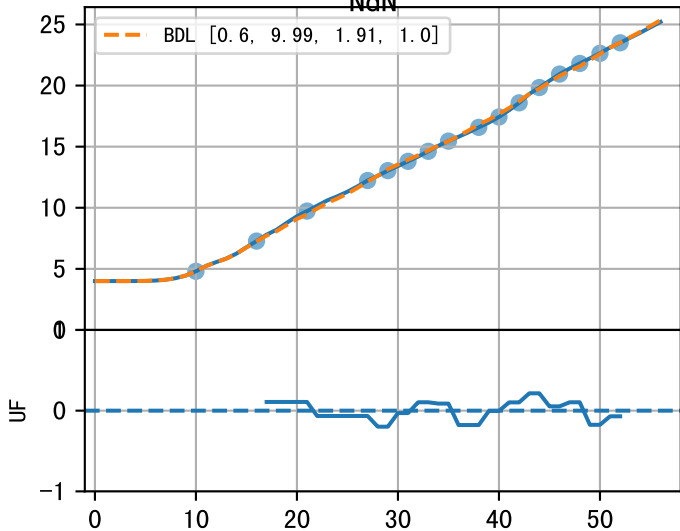


P9AW-052-18 (fit failed)

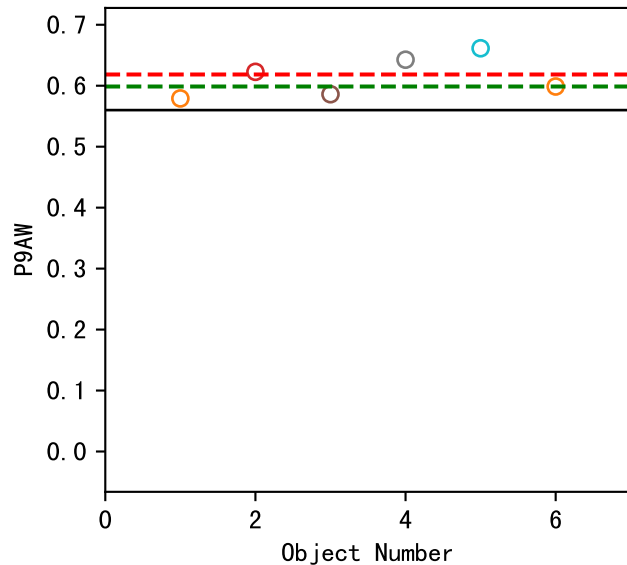


P9AWavg (fit failed)

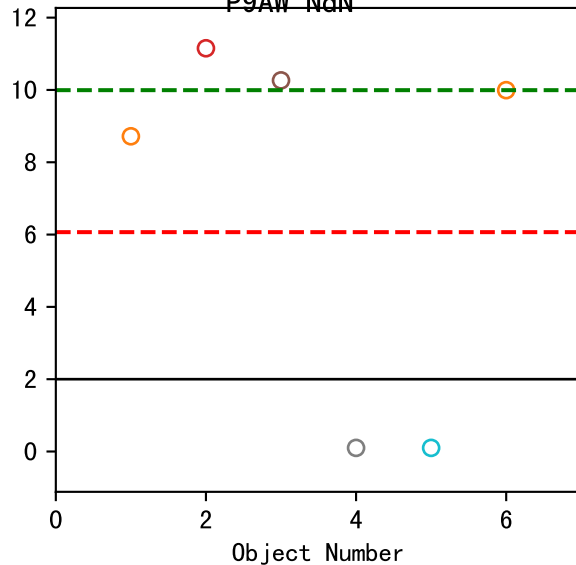
NdN



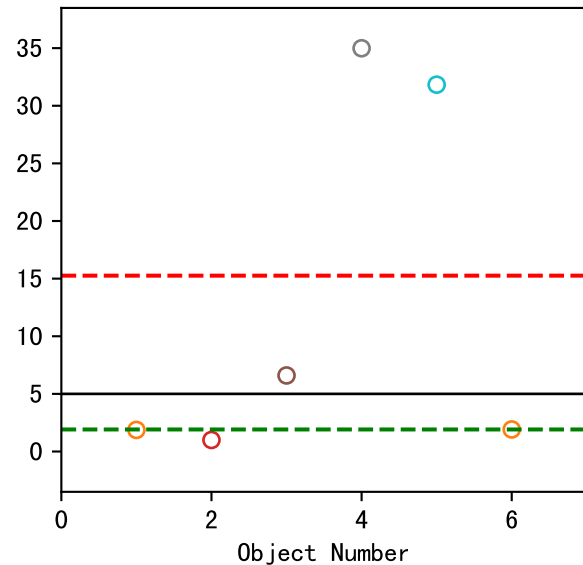
a (Def=0.56 Set=0.6)
avg1=0.62(fail) avg2=0.6



dm (Def=2 Set=9.99)
avg1=6.07(fail) avg2=9.99



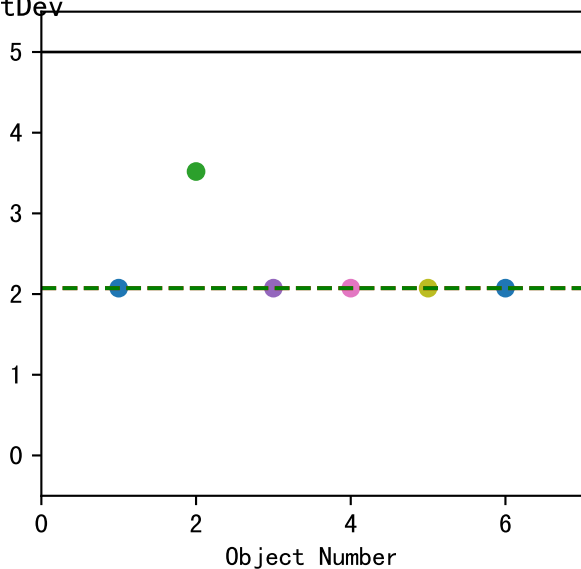
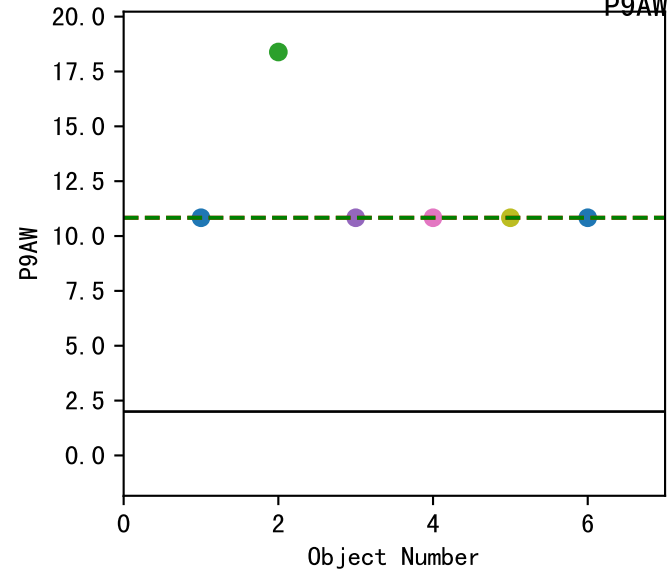
de (Def=5 Set=1.91)
avg1=15.26(fail) avg2=1.91



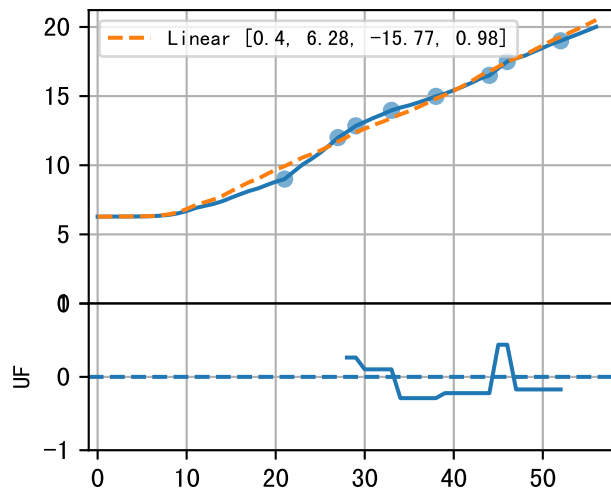
InitDev_dm (Def=2 Set=10.83)
avg1=10.83~0% avg2=10.83

InitDev_de (Def=5 Set=2.07)
avg1=2.07~0% avg2=2.07

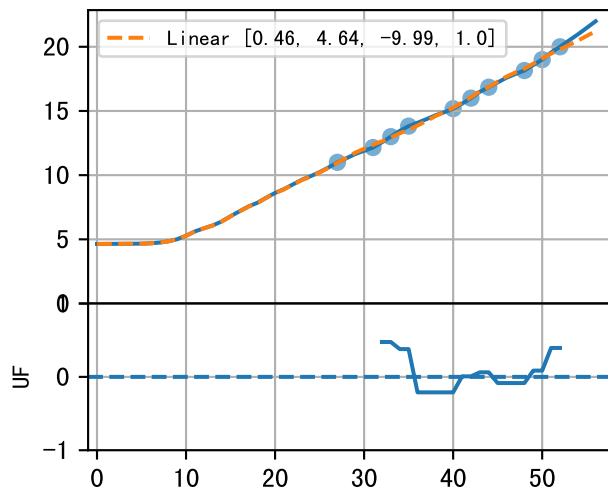
P9AW InitDev



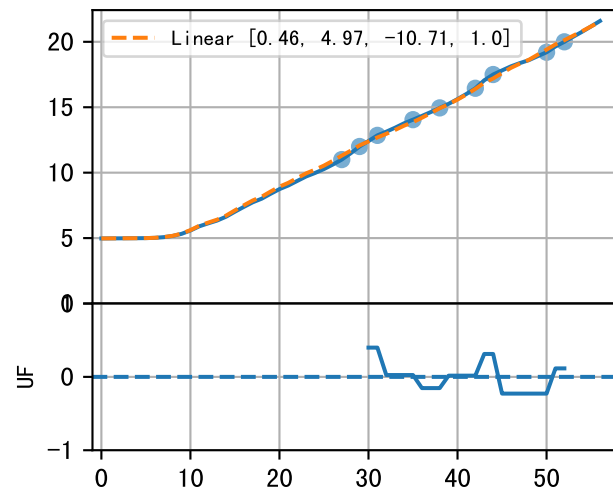
P9AW-005-13



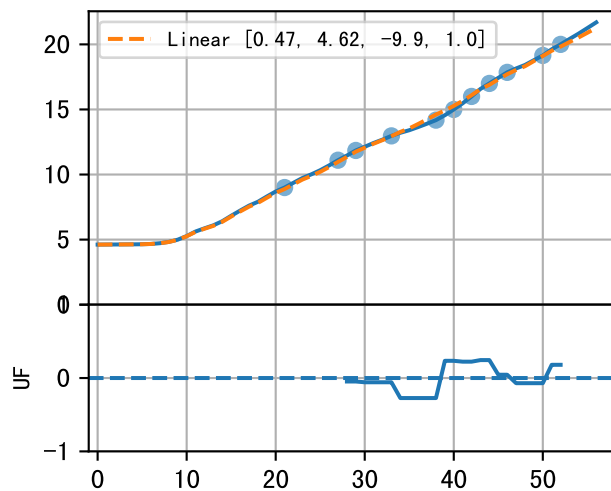
P9AW-017-26



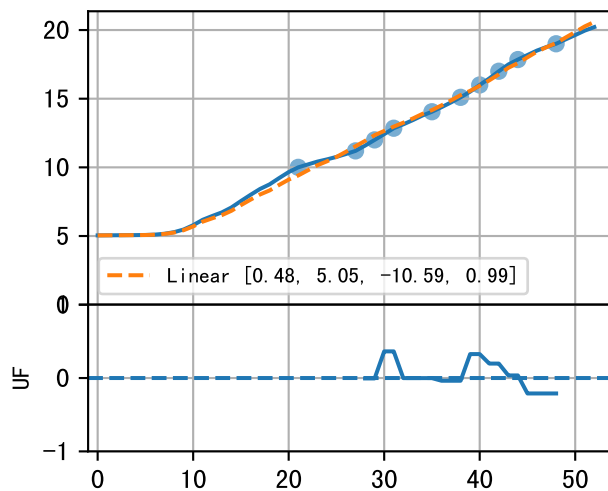
P9AW-029-11



P9AW-040-22



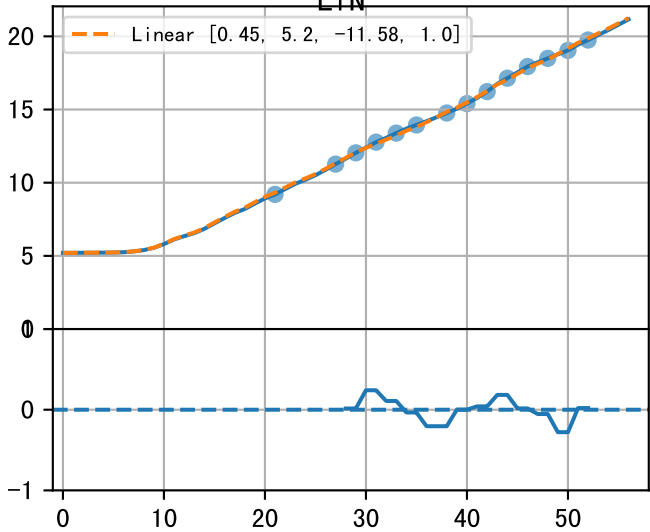
P9AW-052-18



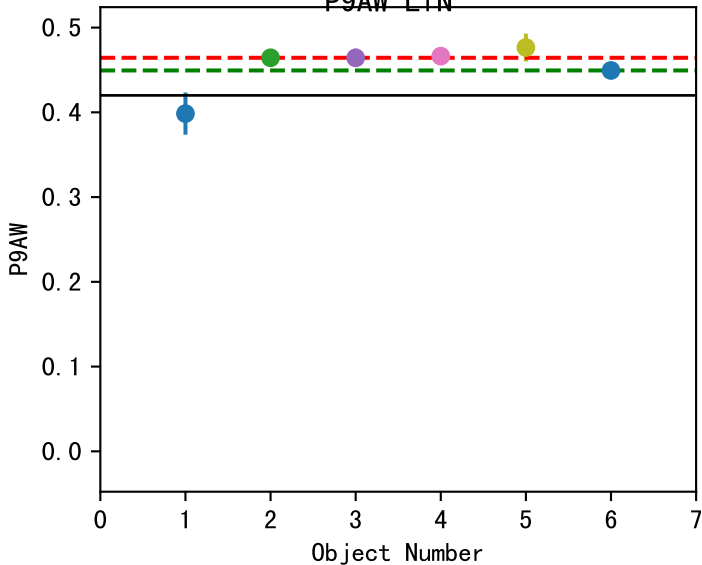
P9AWavg
Lfn

Linear [0.45, 5.2, -11.58, 1.0]

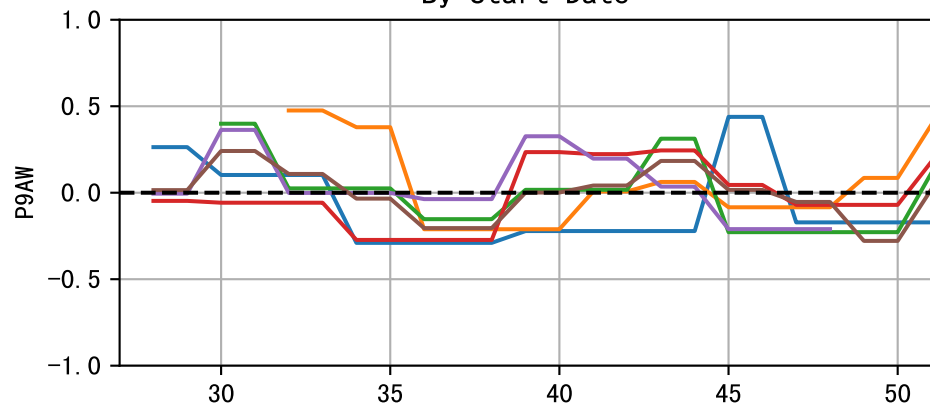
UF



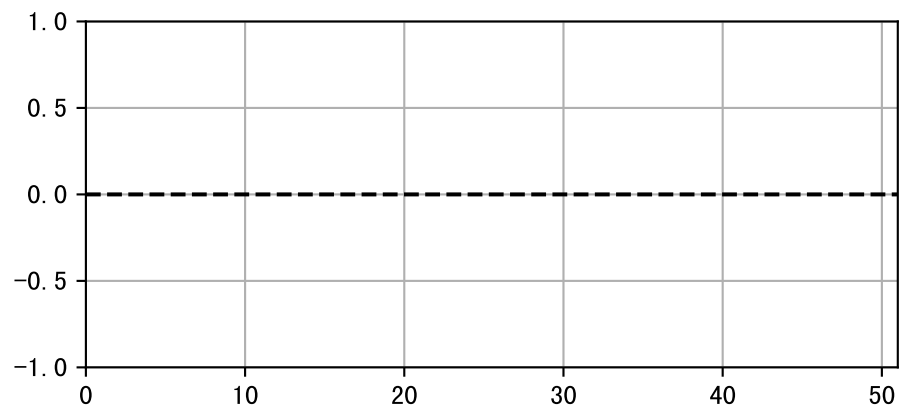
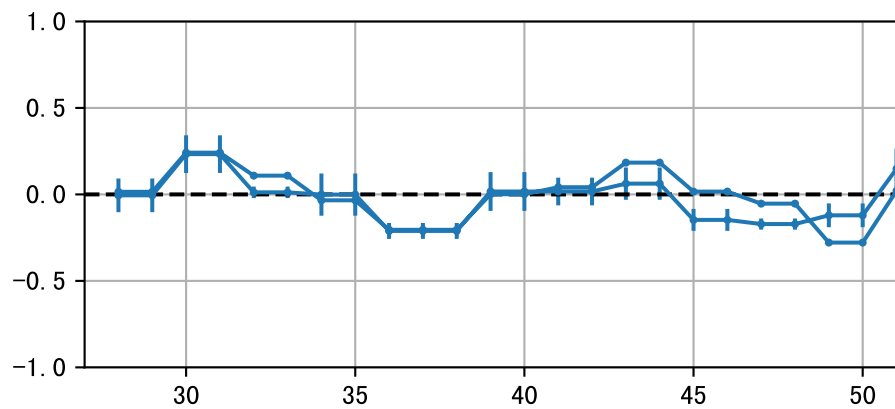
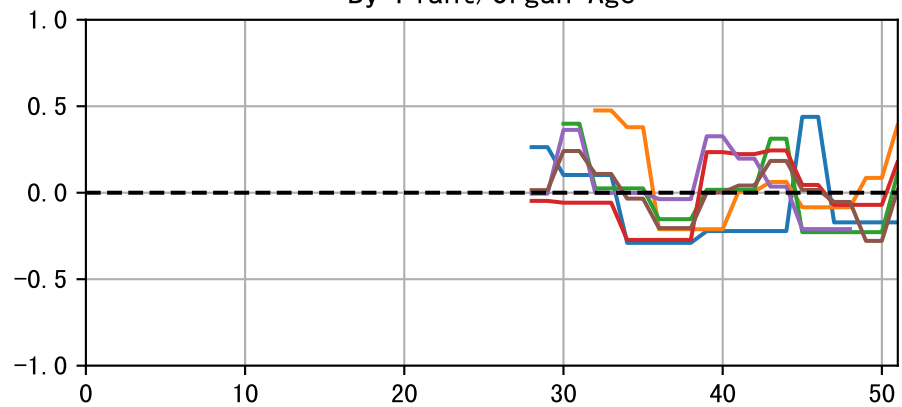
a (Def=0.42 Set=0.45)
avg1=0.46 $\sim$ 0% avg2=0.45 $\sim$ 2%
P9AW LFN



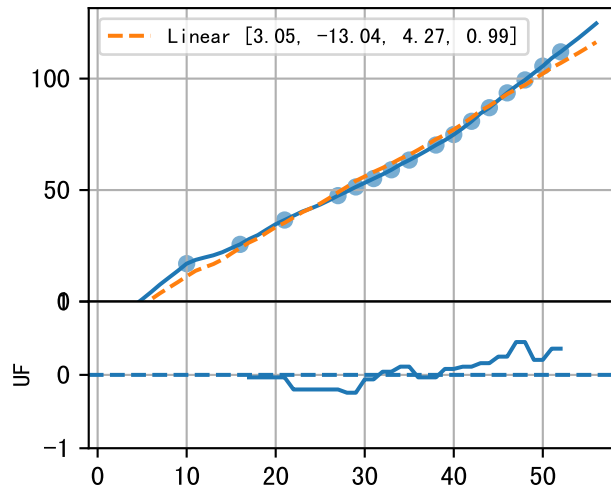
By Start Date



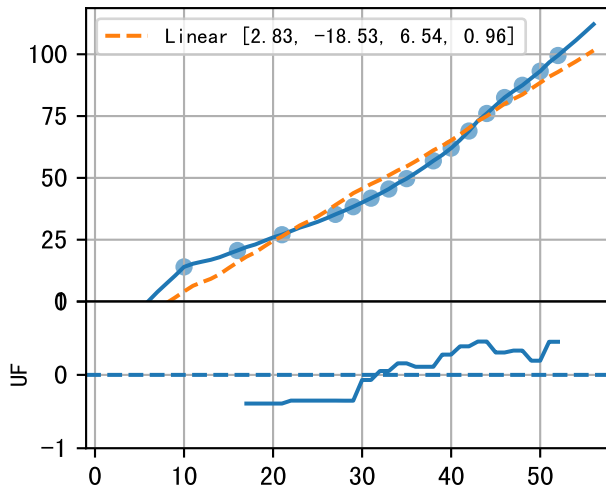
By Plant/Organ Age



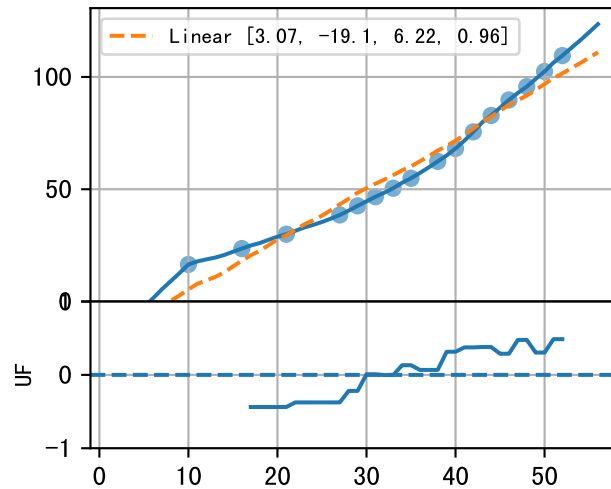
P9AW-005-13



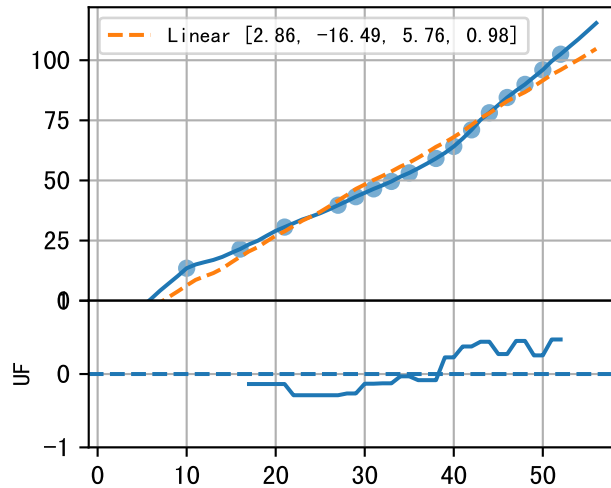
P9AW-017-26



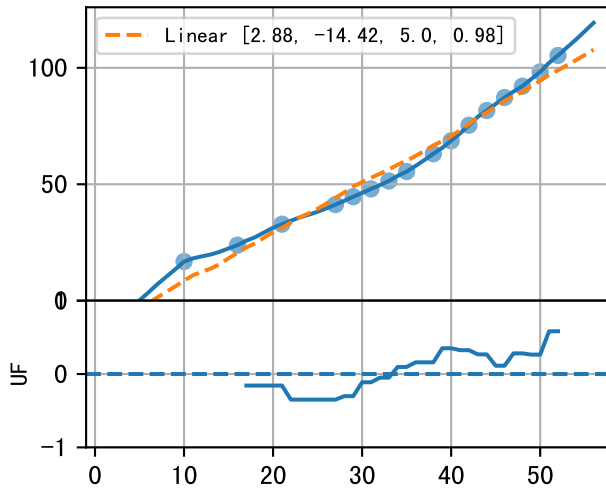
P9AW-029-11



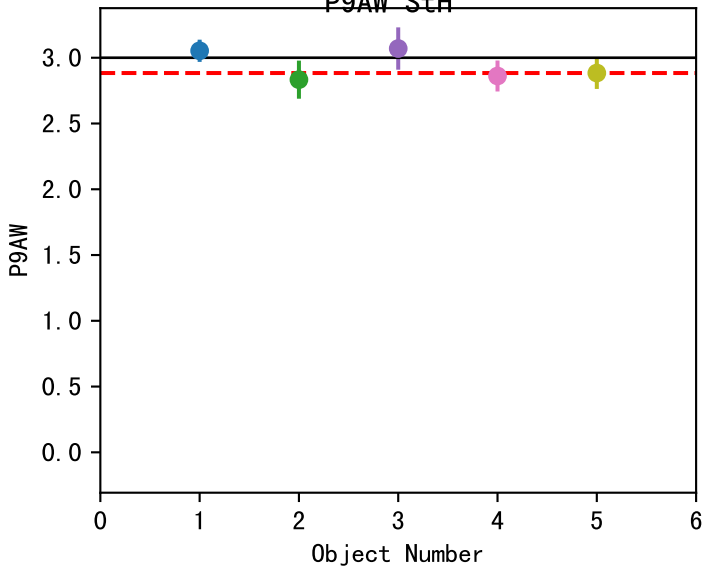
P9AW-040-22



P9AW-052-18

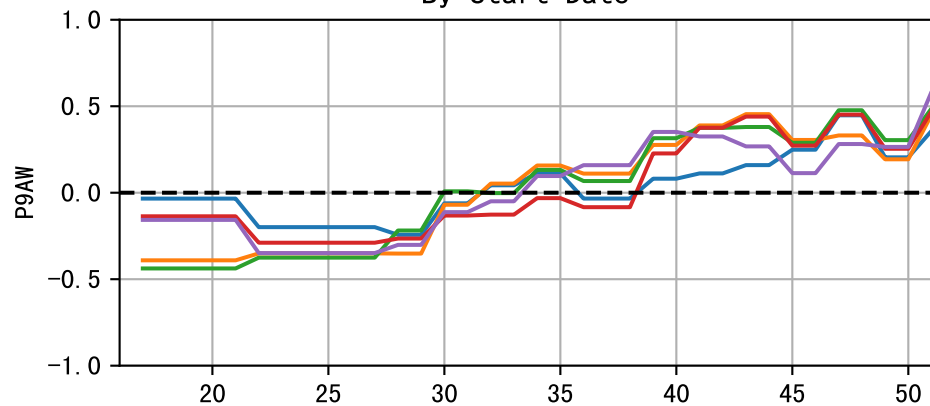


a (Def=3 Set=2.88)
avg1=2.88~4% avg2=na

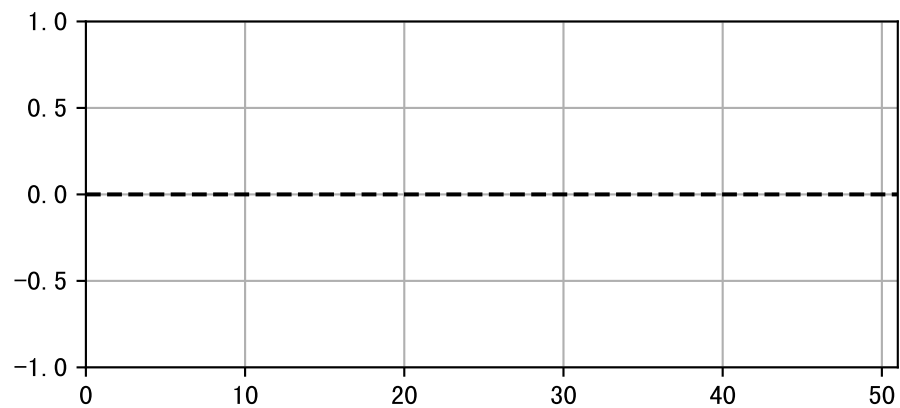
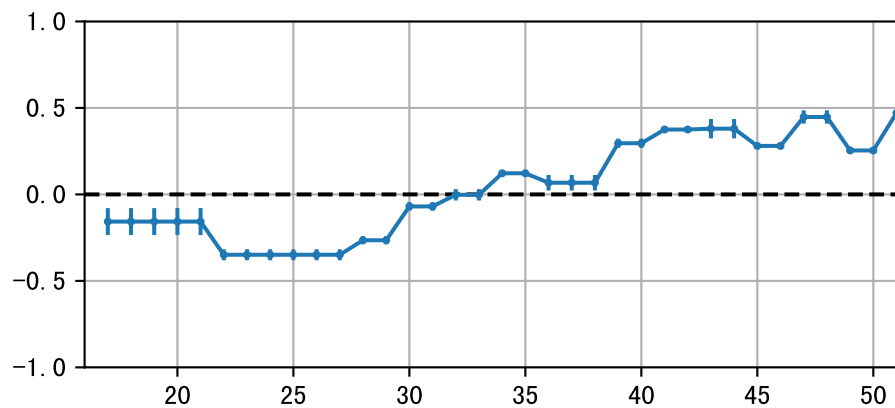
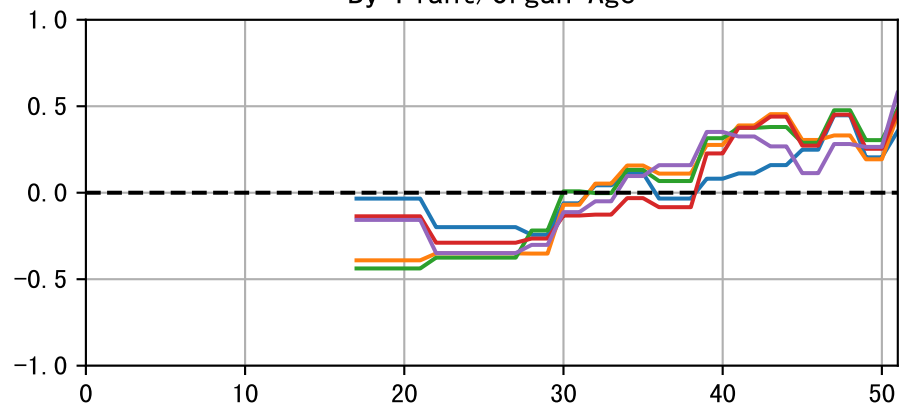


StH

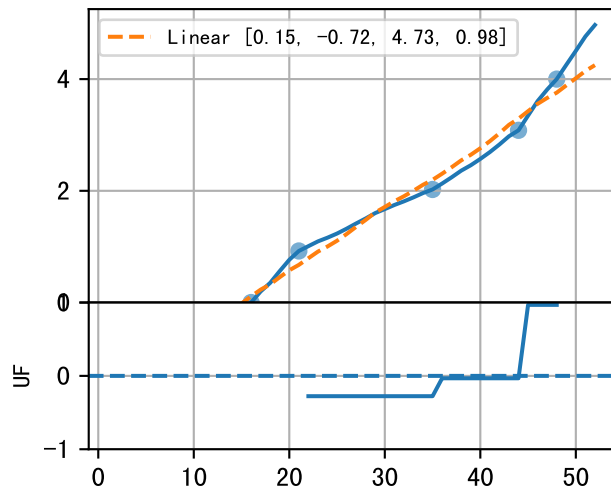
By Start Date



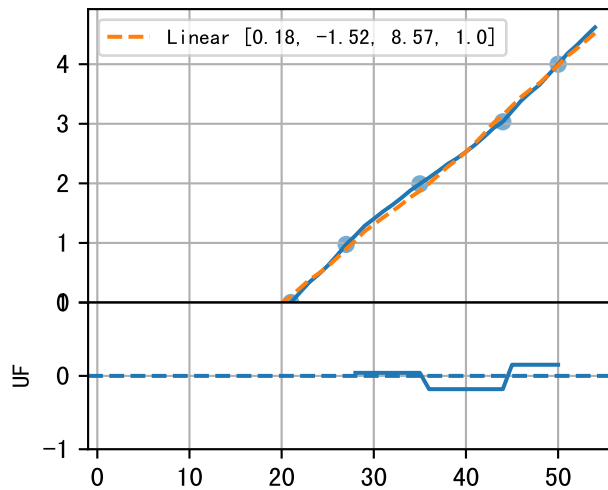
By Plant/Organ Age



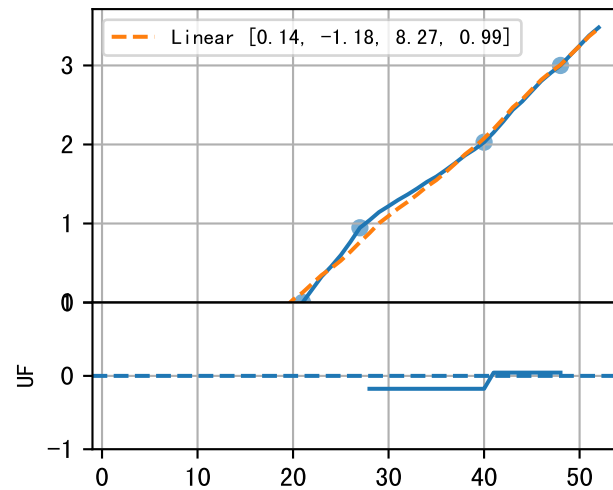
P9AW-005-13



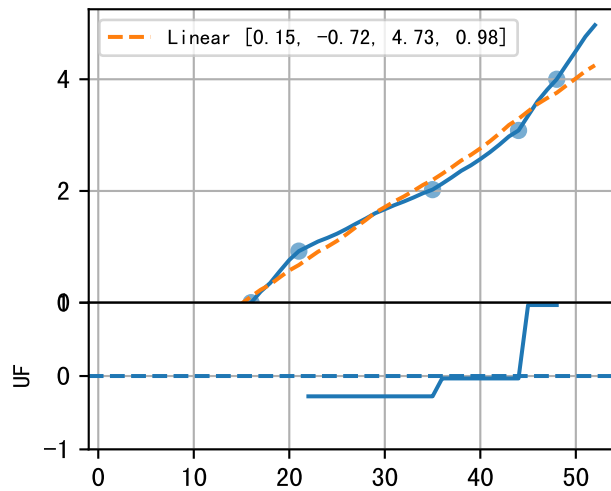
P9AW-017-26



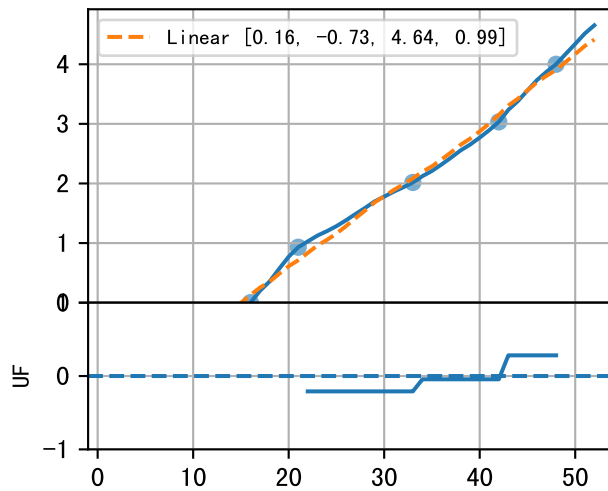
P9AW-029-11



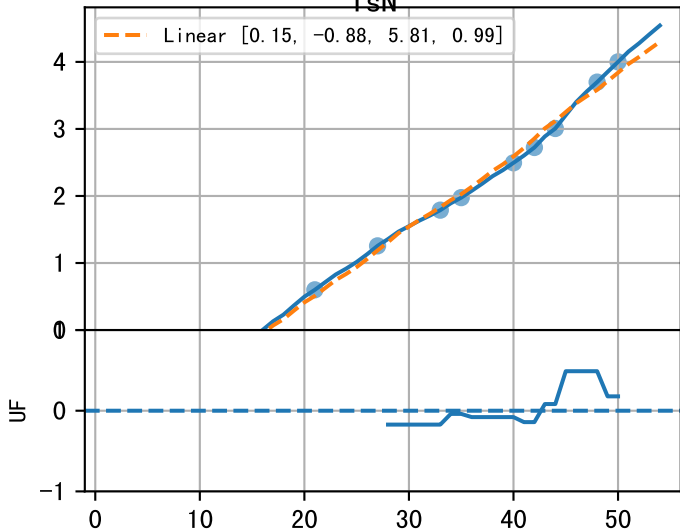
P9AW-040-22



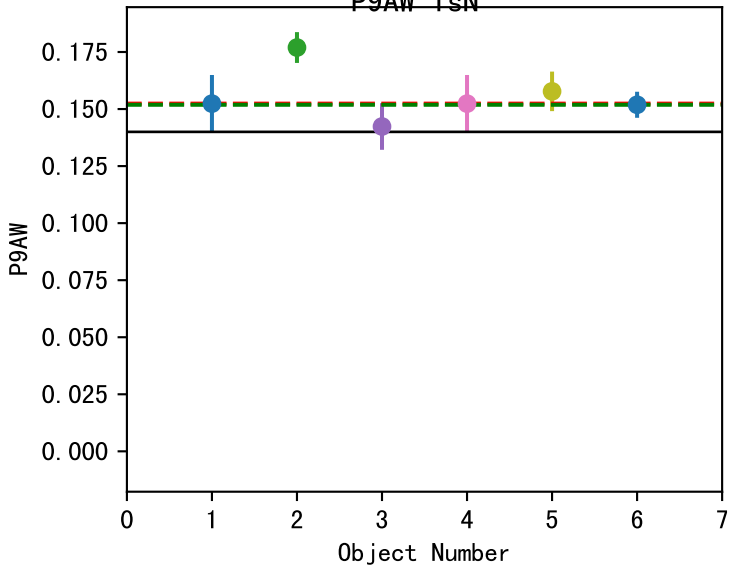
P9AW-052-18



P9AWavg
TSN

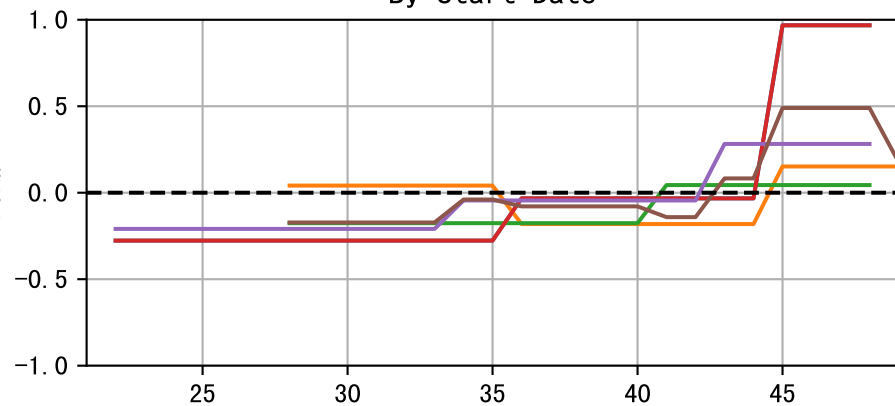


a (Def=0.14 Set=0.15)
avg1=0.15 $\sim$ 2% avg2=0.15 $\sim$ 8%
P9AW TSN

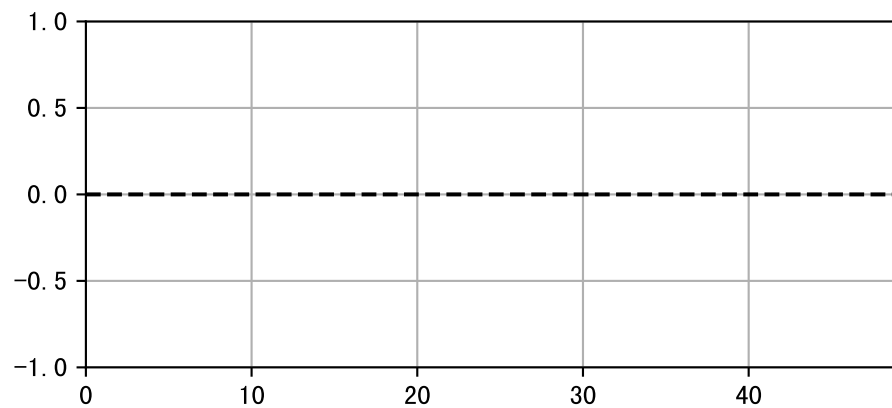
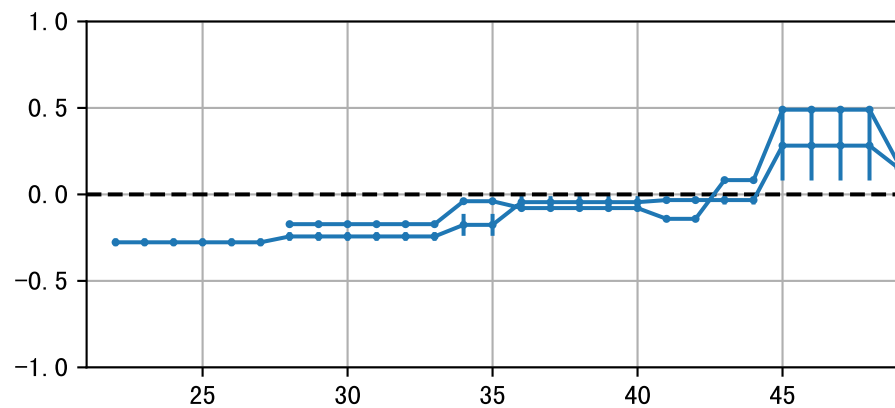
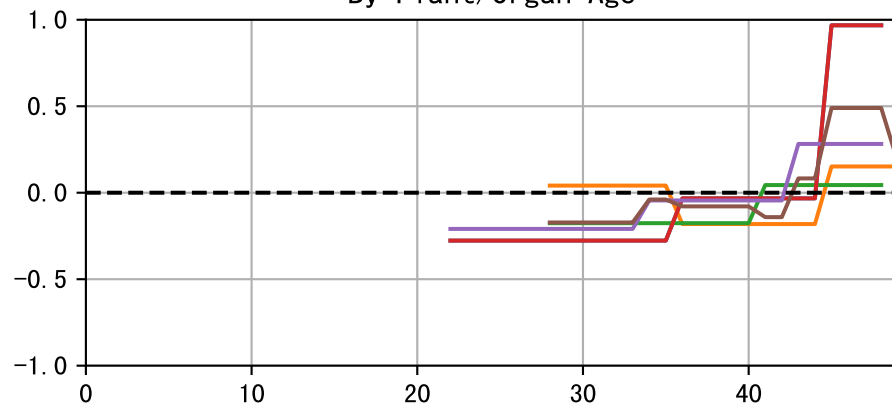


TsN

By Start Date

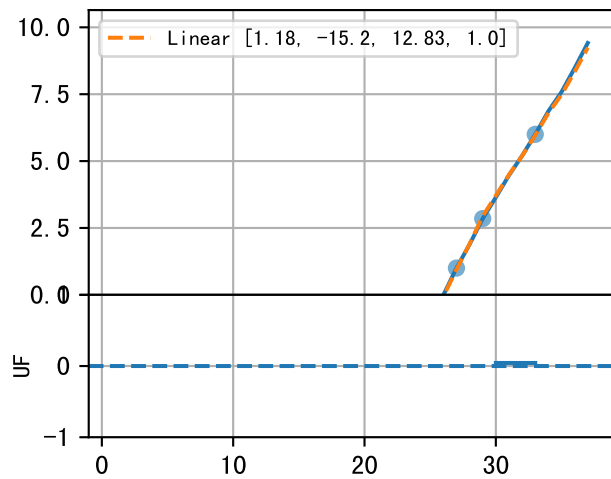


By Plant/Organ Age

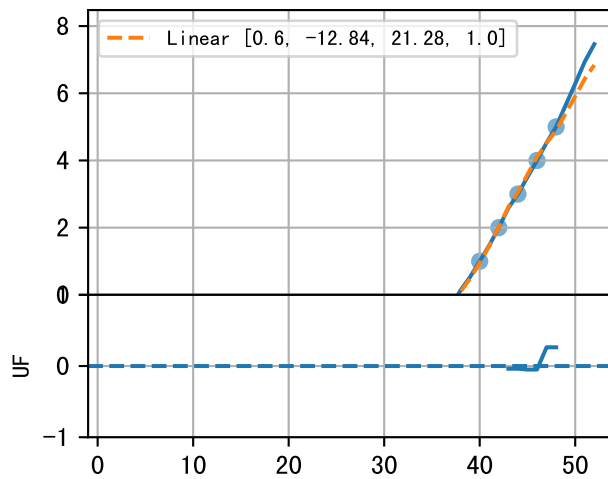


ErN

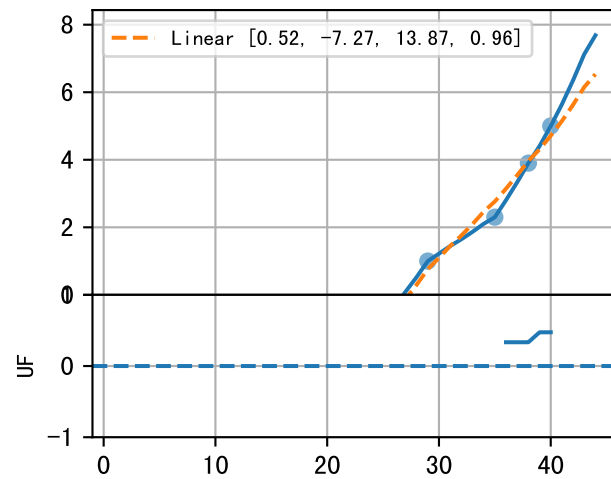
P9AW-005-13T1



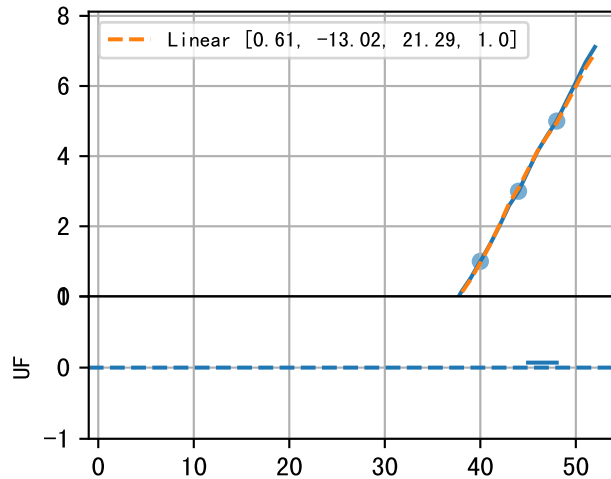
P9AW-005-13T2



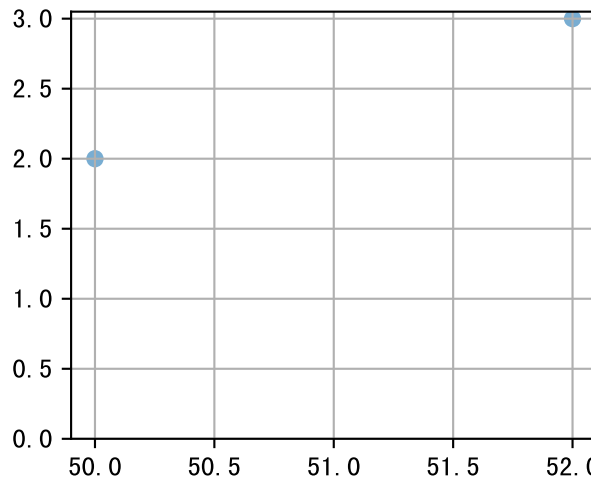
P9AW-017-26T1



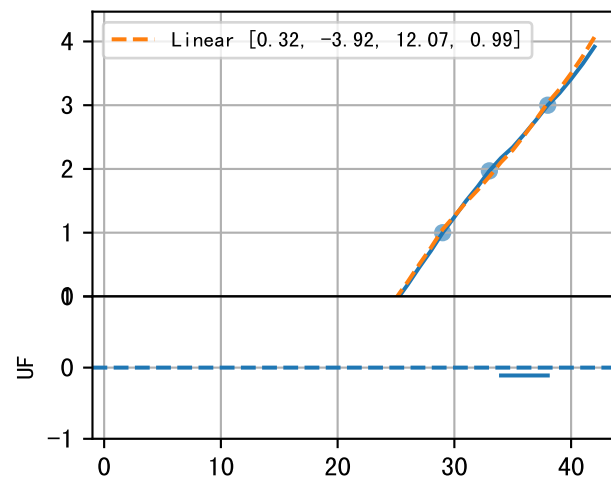
P9AW-017-26T2



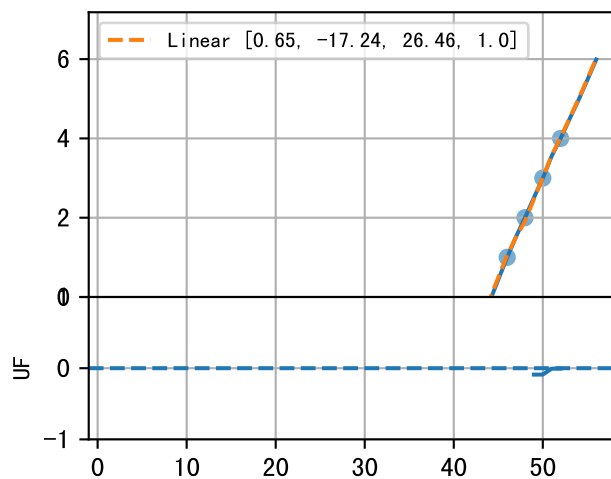
P9AW-017-26T3 (fit failed)



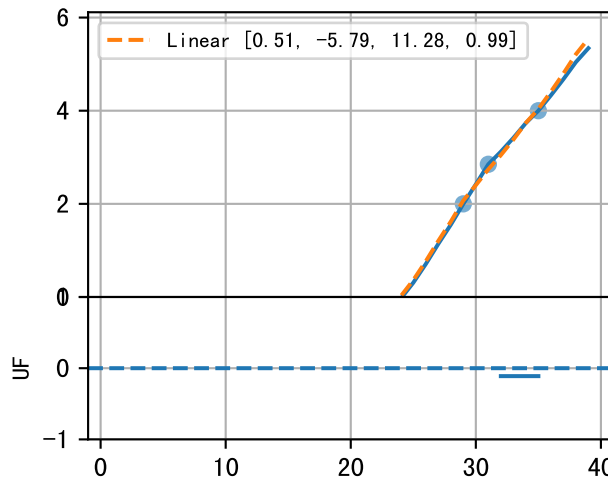
P9AW-029-11T1



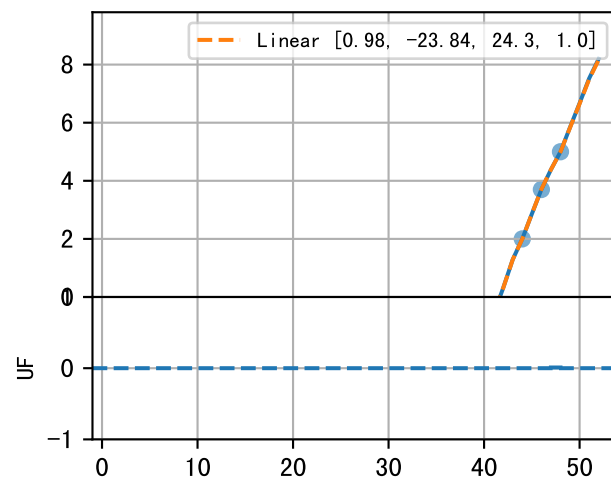
P9AW-029-11T2



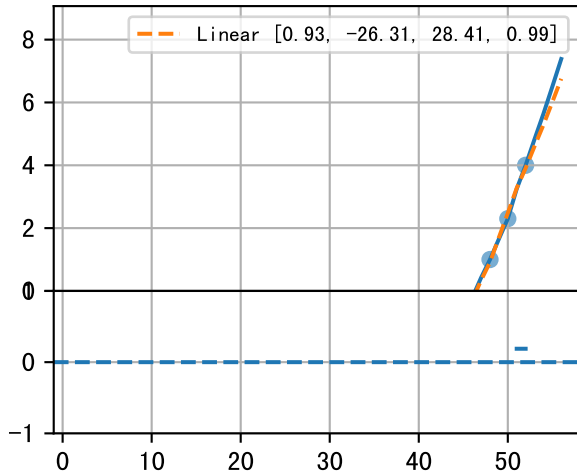
P9AW-040-22T1



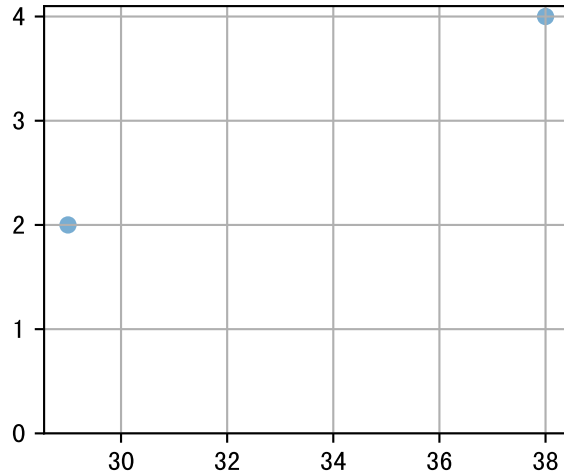
P9AW-040-22T2



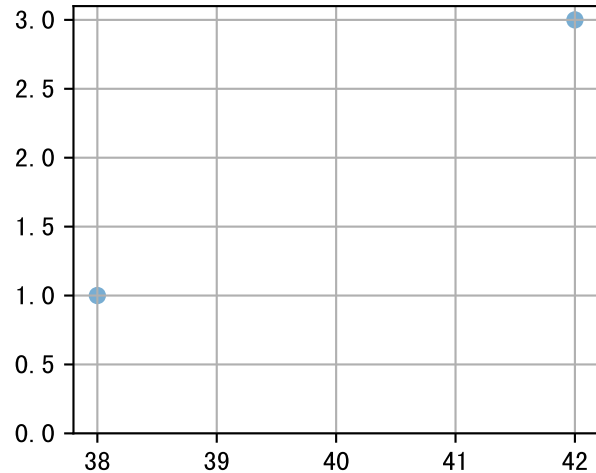
P9AW-040-22T3



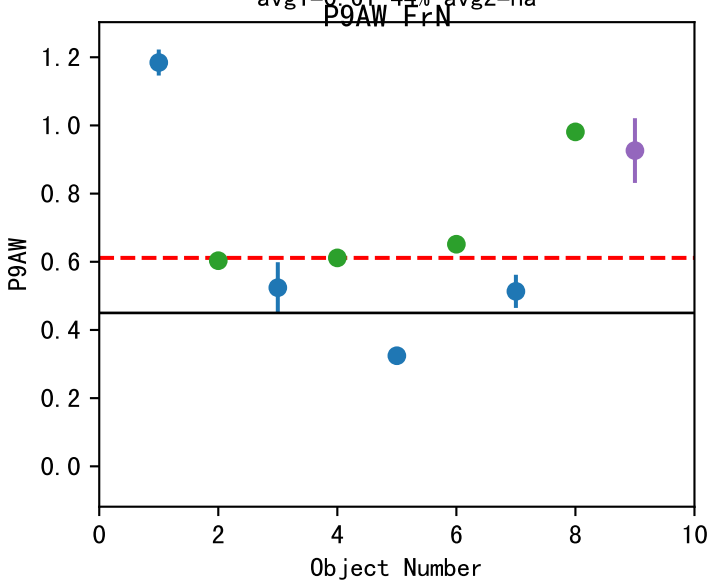
P9AW-052-18T1 (fit failed)



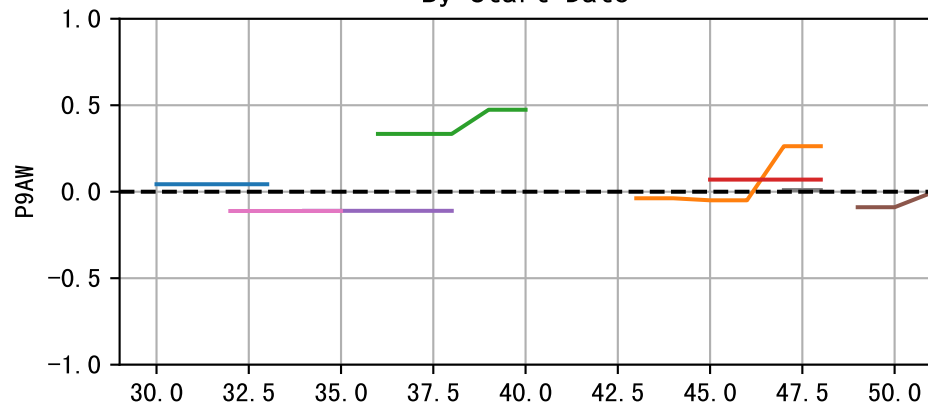
P9AW-052-18T2 (fit failed)



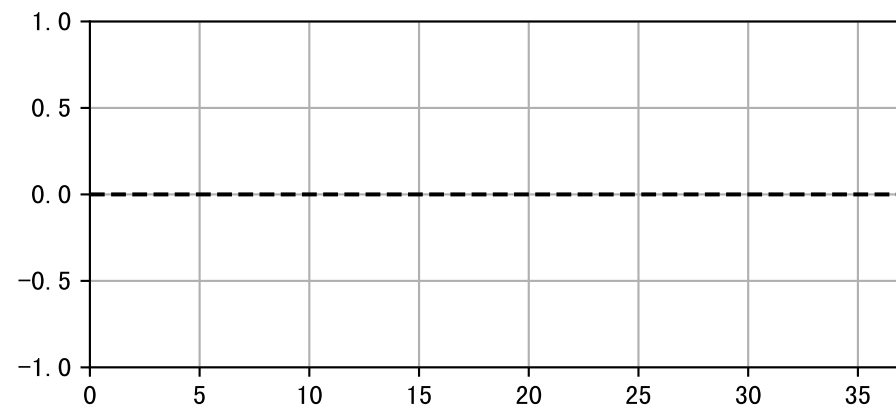
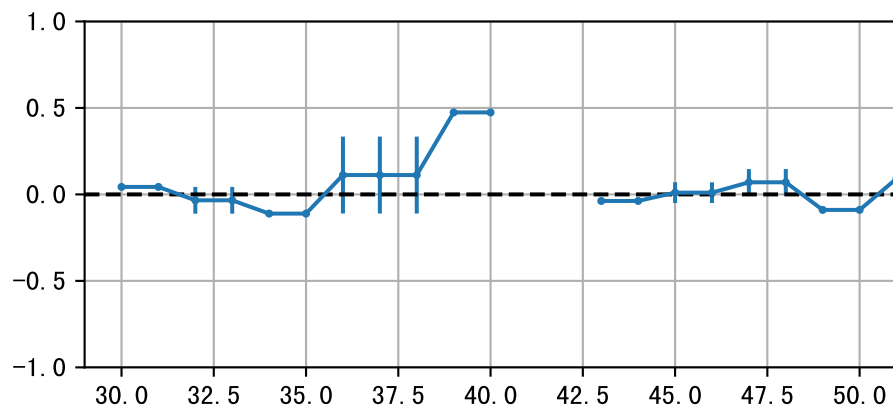
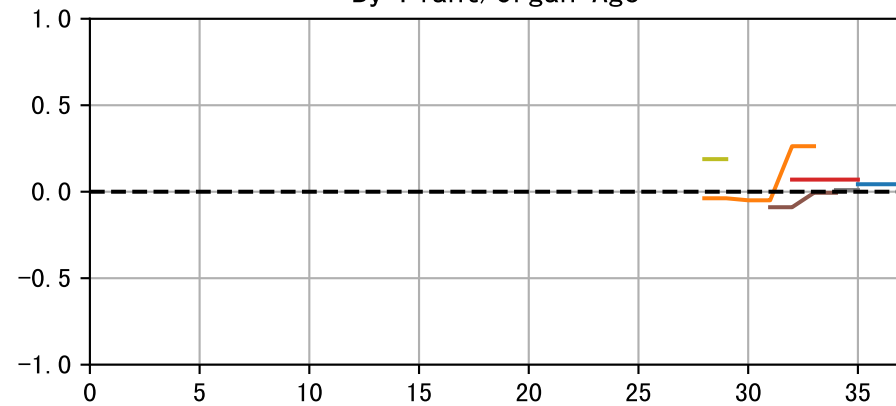
a (Def=0.45 Set=0.61)
avg1=0.61~44% avg2=na



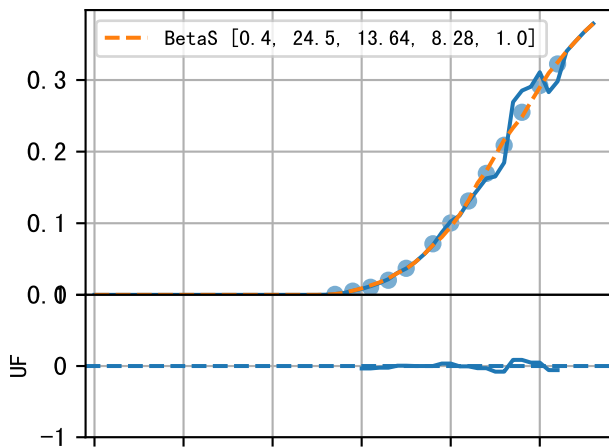
By Start Date



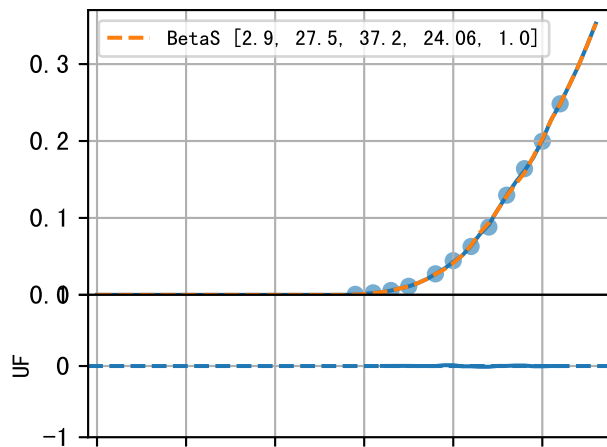
By Plant/Organ Age



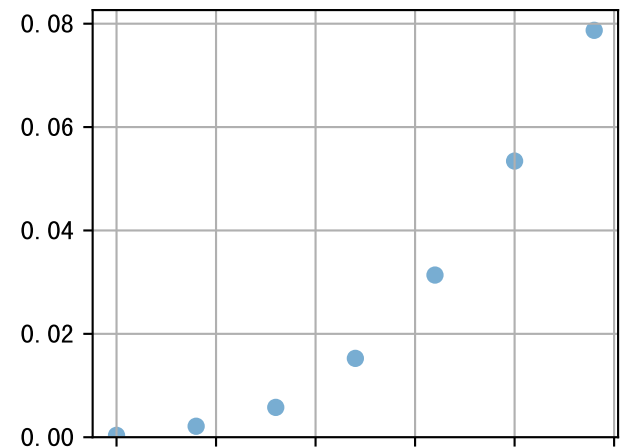
P9AW-005-13T1Fr1



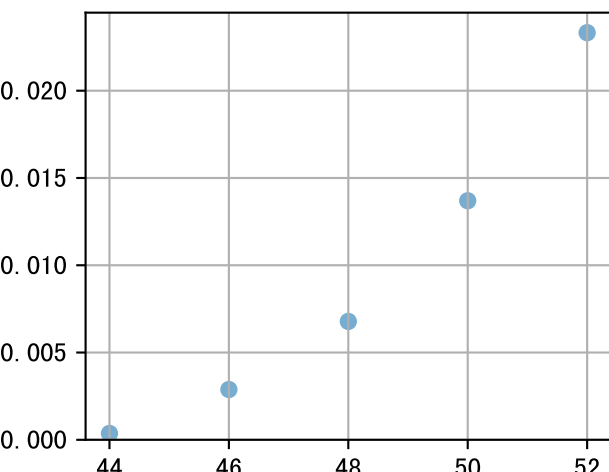
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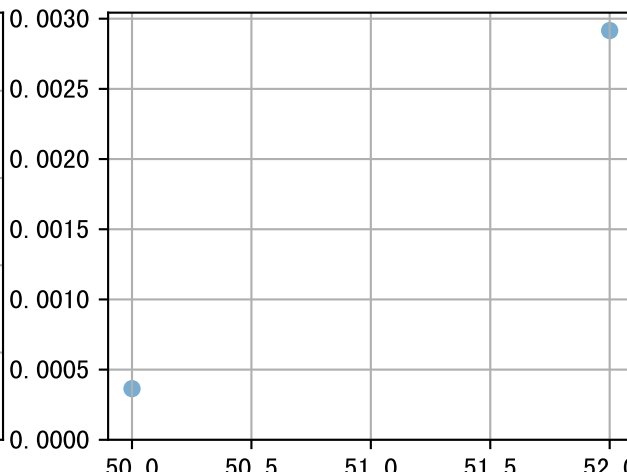
P9AW-005-13T2Fr1 (fit failed)



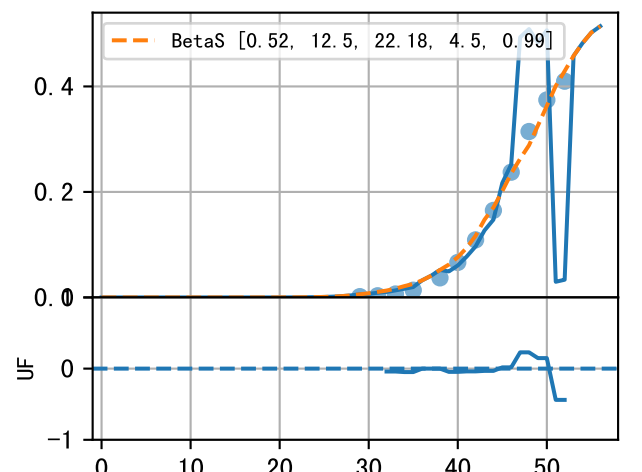
P9AW-005-13T2Fr5 (fit failed)



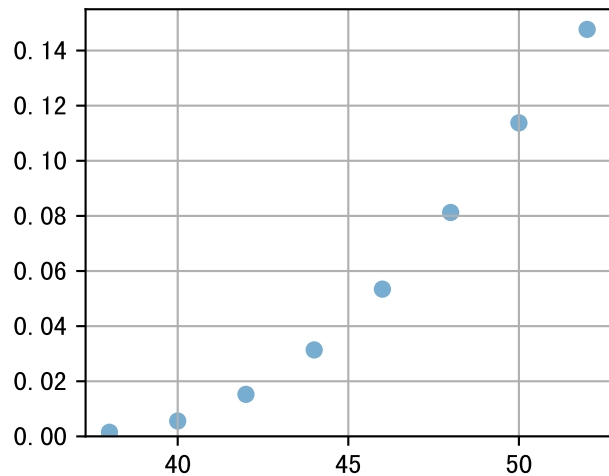
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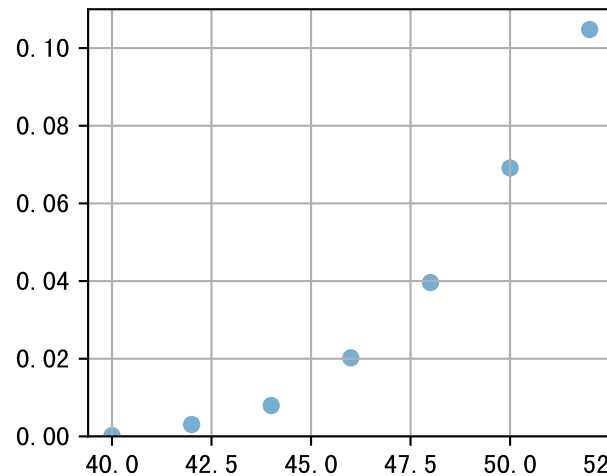
P9AW-017-26T1Fr1



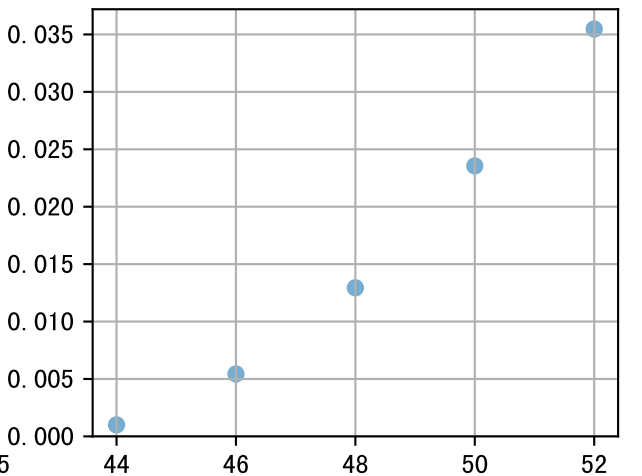
P9AW-017-26T1Fr5 (fit failed)



P9AW-017-26T2Fr1 (fit failed)

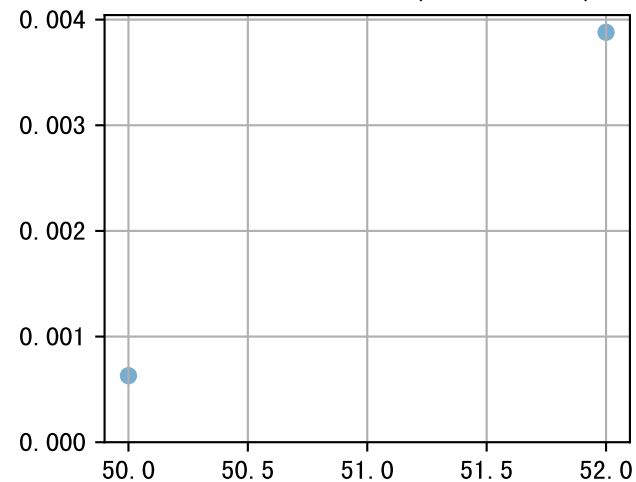


P9AW-017-26T2Fr5 (fit failed)

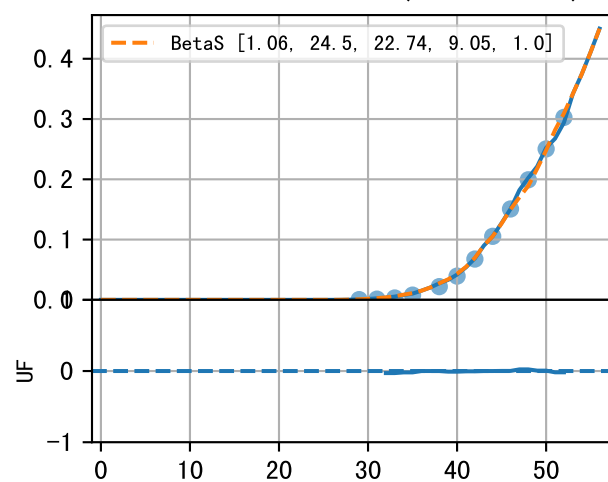


Fr^V

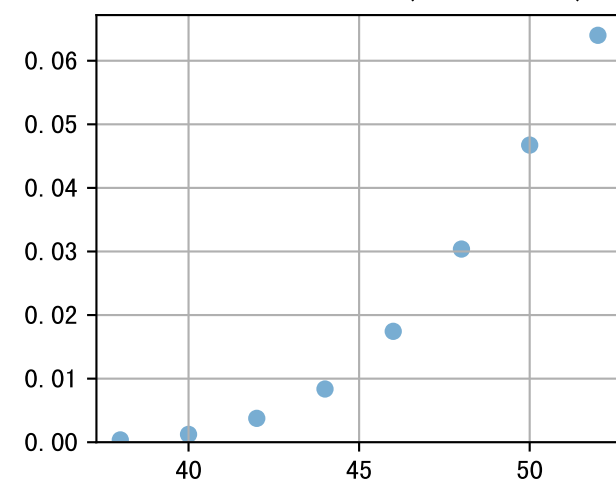
P9AW-017-26T3Fr1 (fit failed)



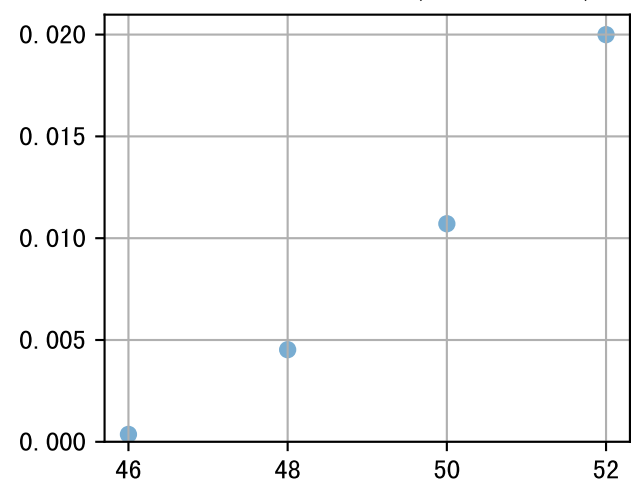
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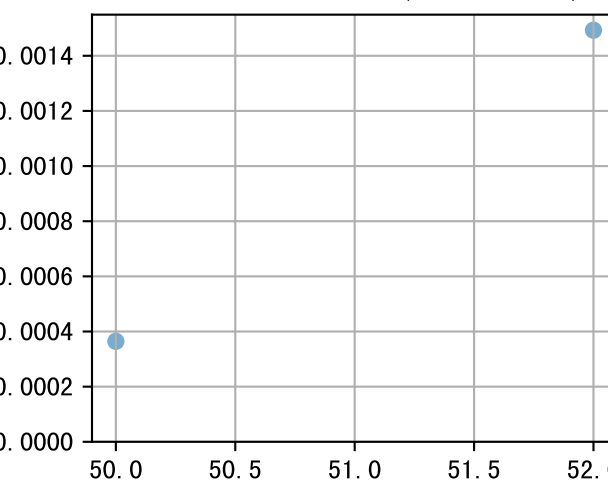
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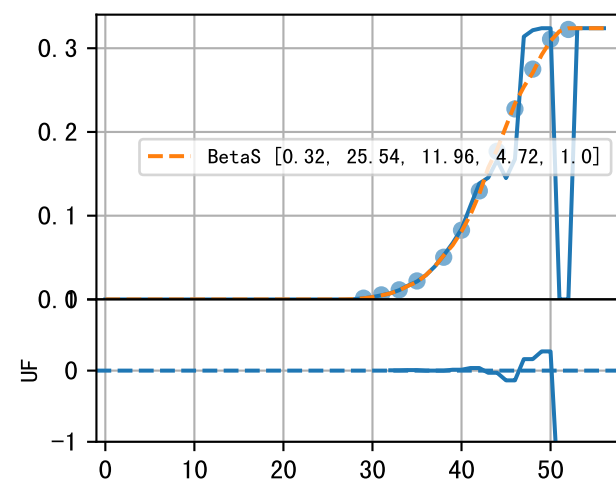
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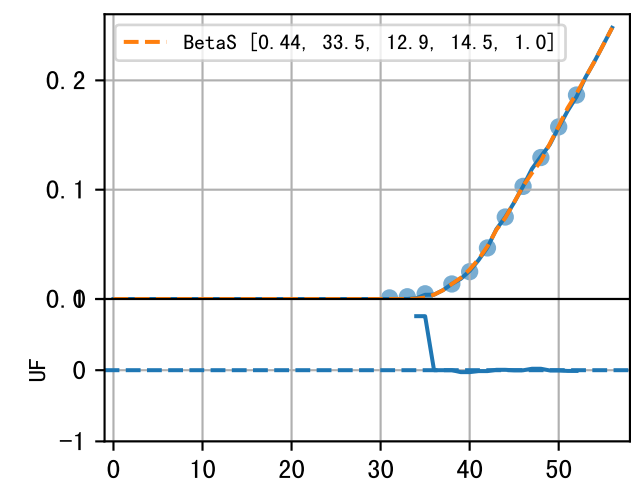
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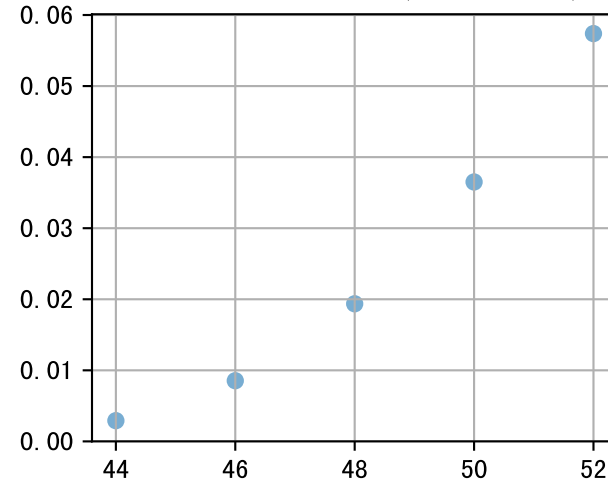
P9AW-040-22T1Fr1



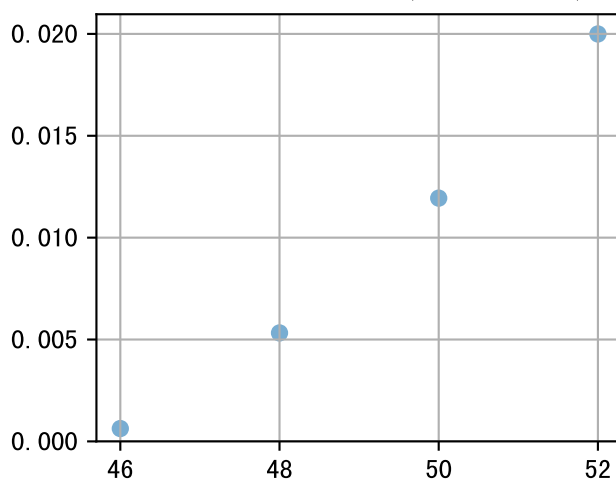
P9AW-040-22T1Fr5



P9AW-040-22T2Fr1 (fit failed)

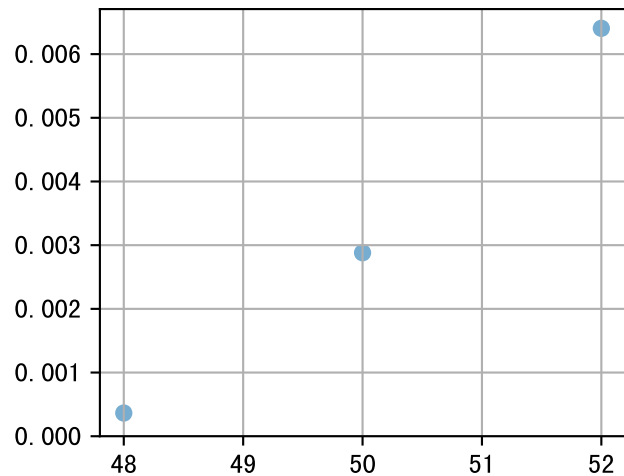


P9AW-040-22T2Fr5 (fit failed)

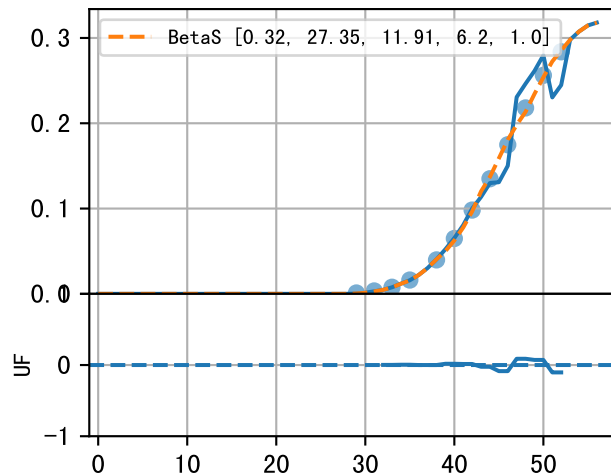


FrV

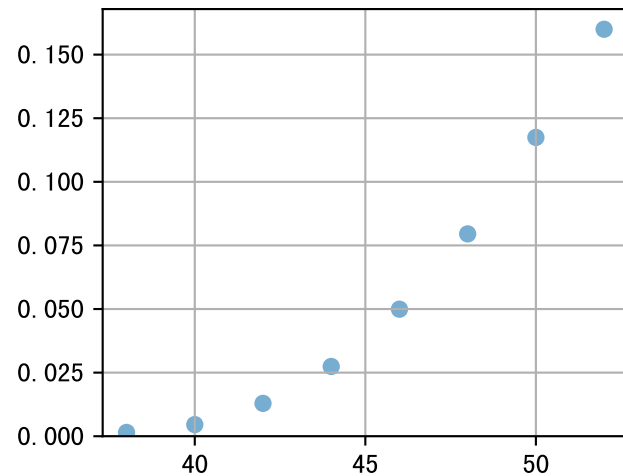
P9AW-040-22T3Fr1 (fit failed)



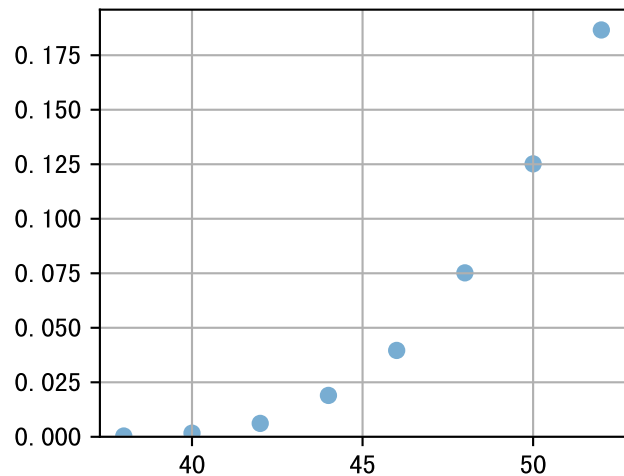
P9AW-052-18T1Fr1



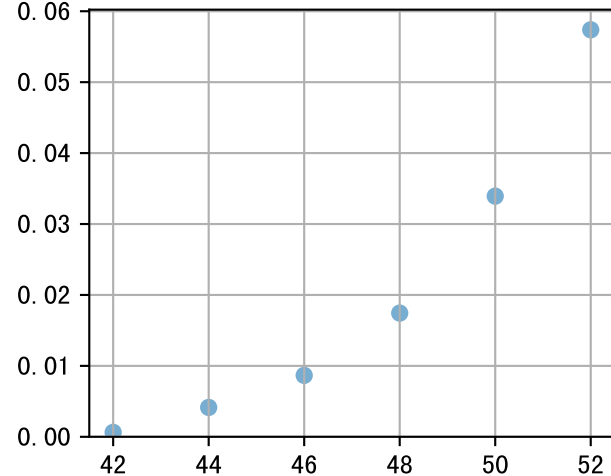
P9AW-052-18T1Fr5 (fit failed)



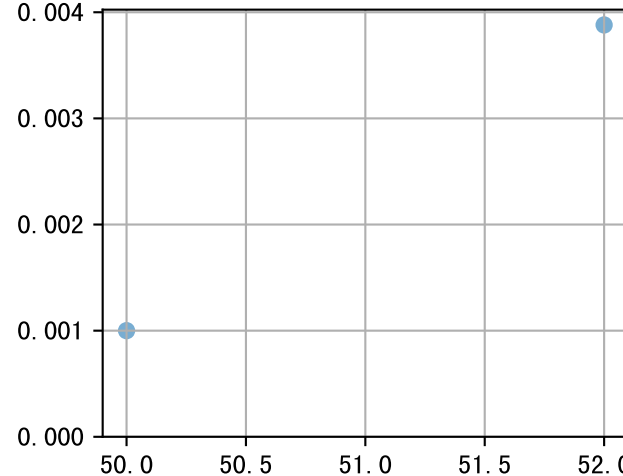
P9AW-052-18T2Fr1 (fit failed)



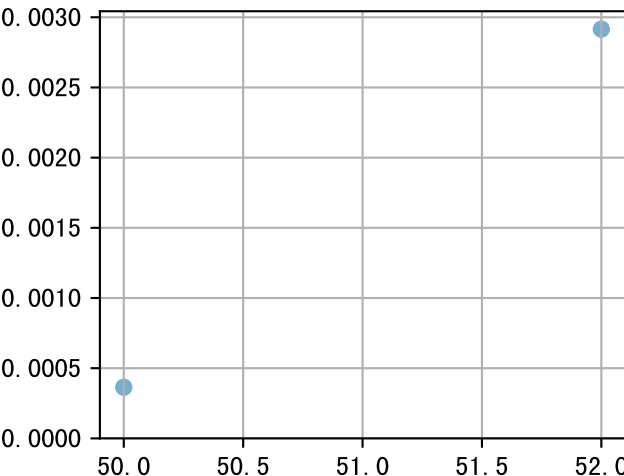
P9AW-052-18T2Fr5 (fit failed)

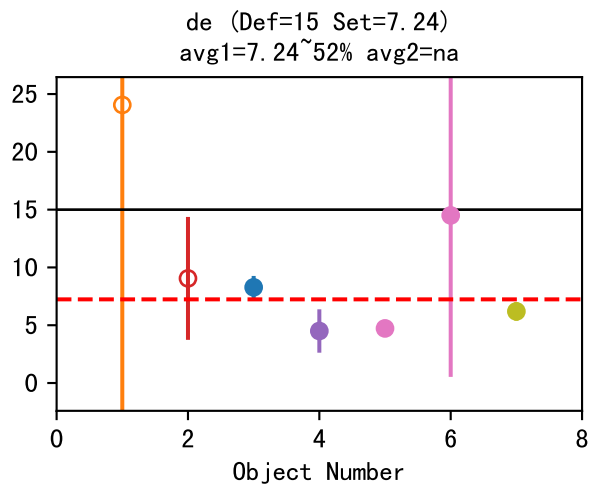
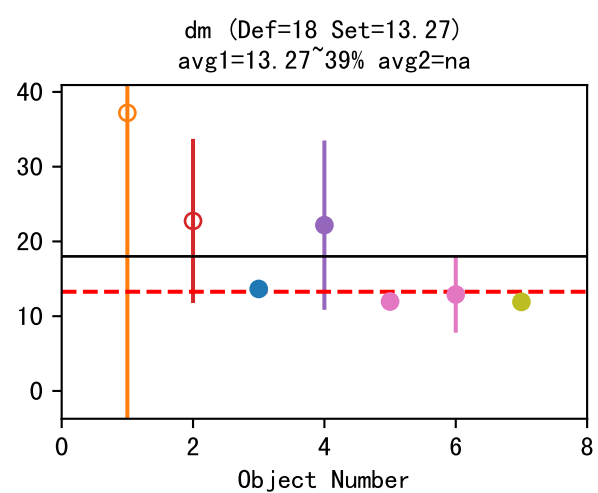
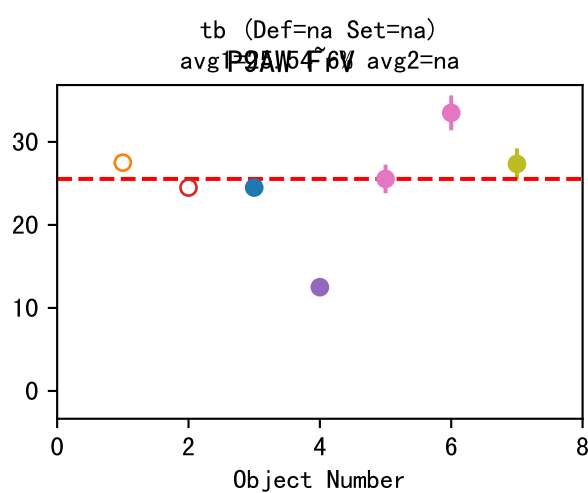
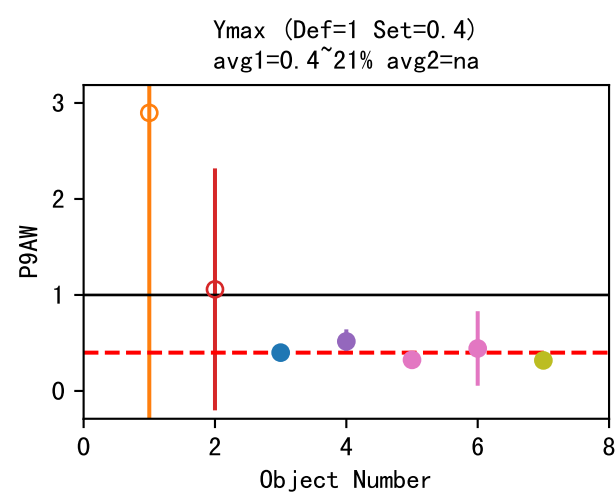


P9AW-052-18T3Fr1 (fit failed)



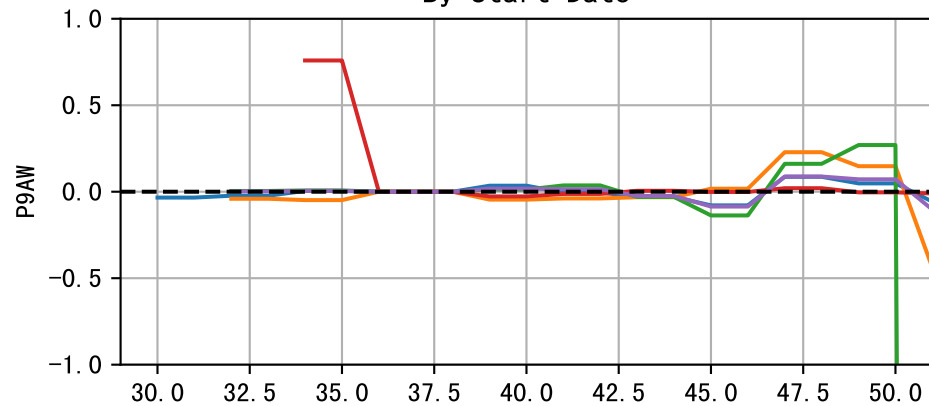
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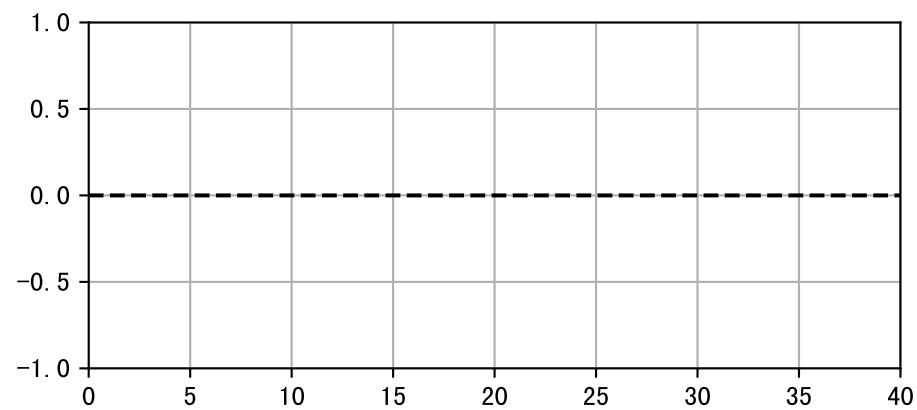
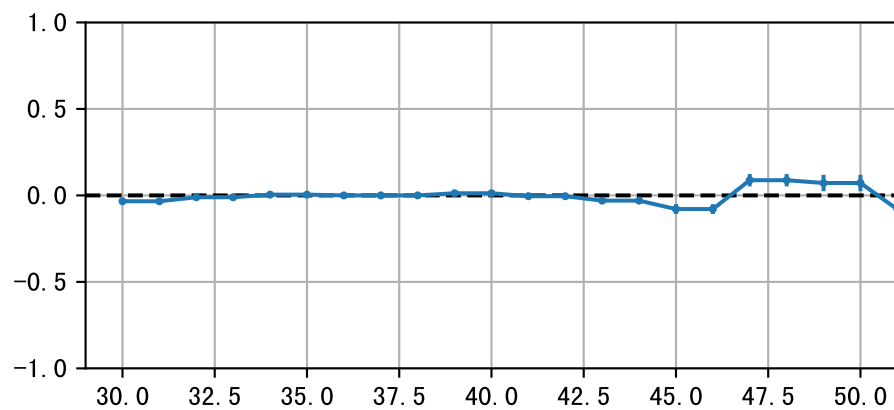
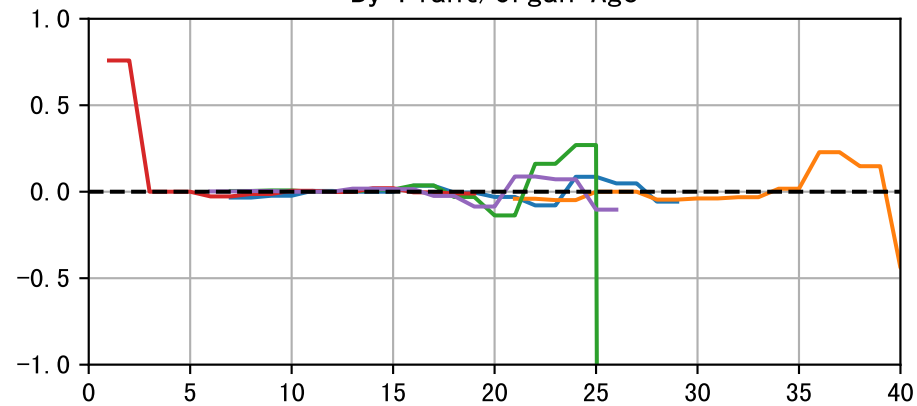


FrV

By Start Date



By Plant/Organ Age

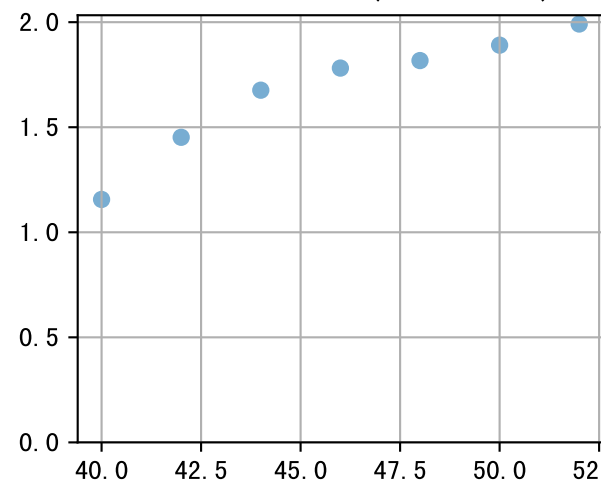
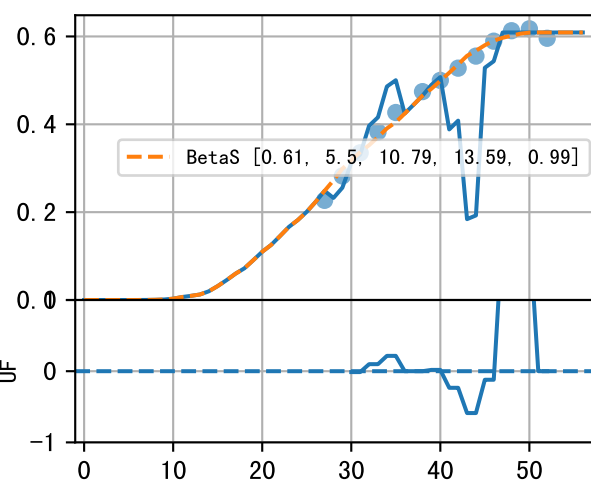
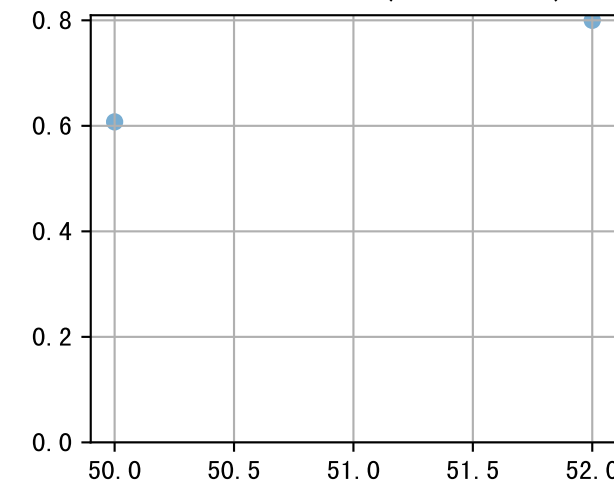
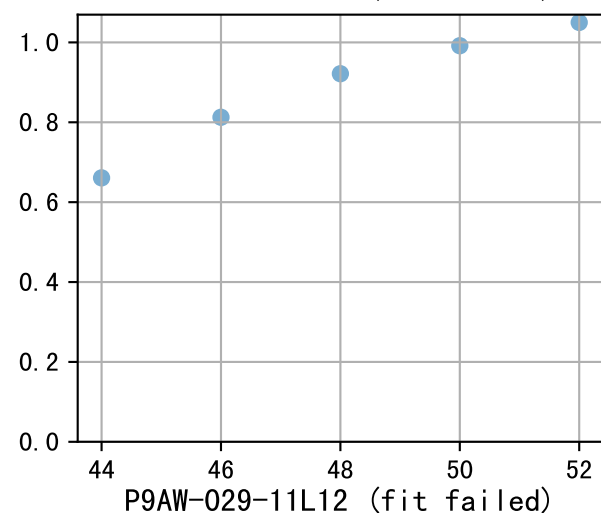
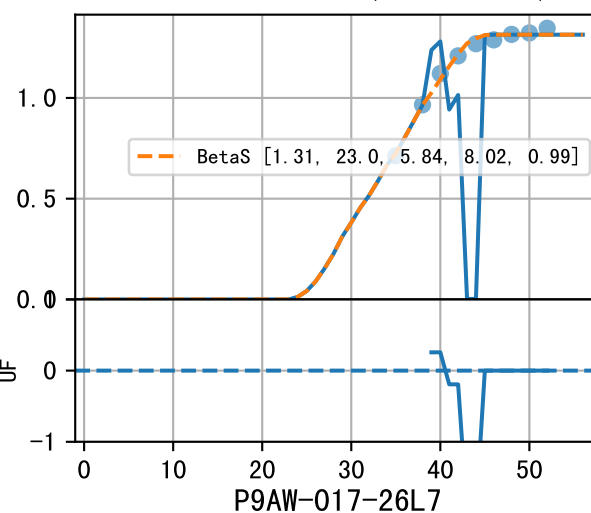
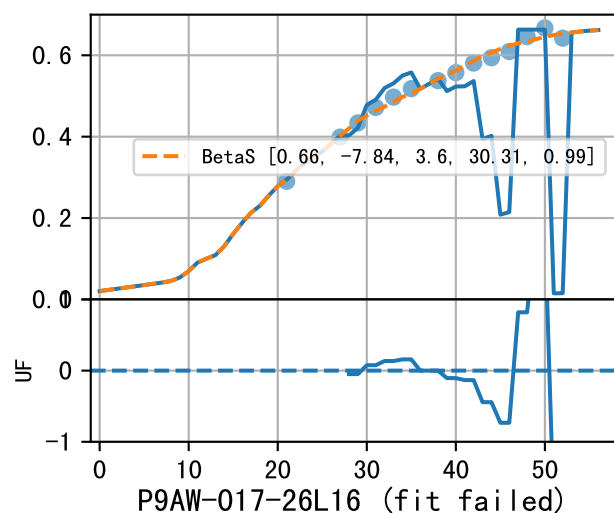
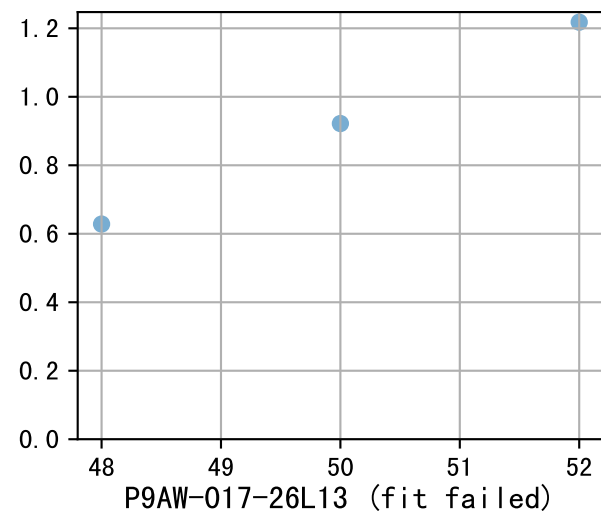
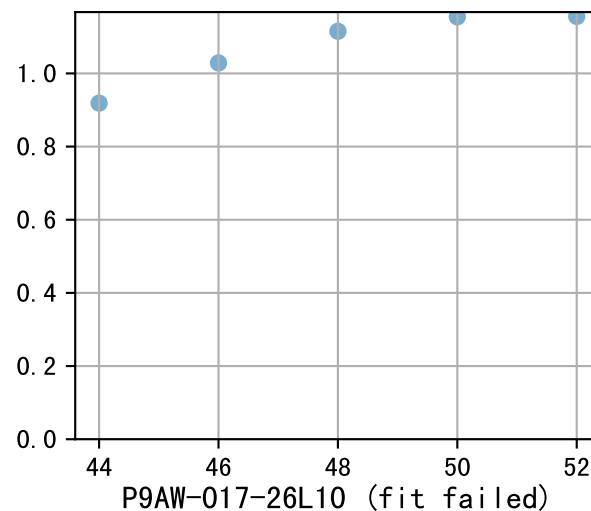
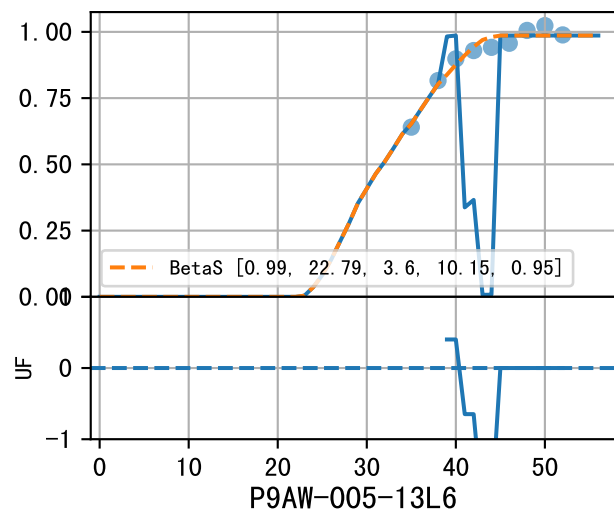


lfA

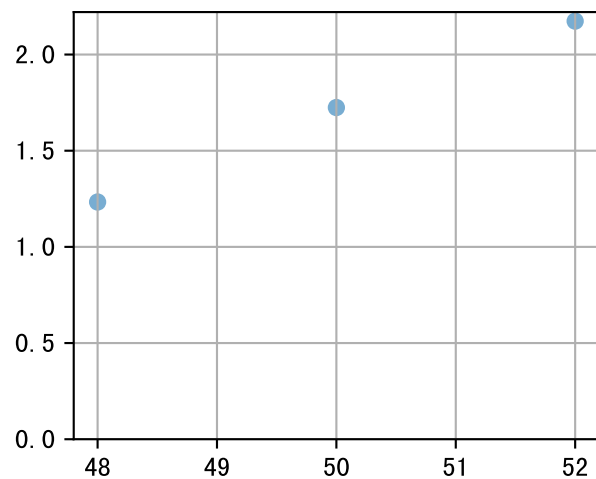
P9AW-005-13L11 (fit failed)

P9AW-005-13L14 (fit failed)

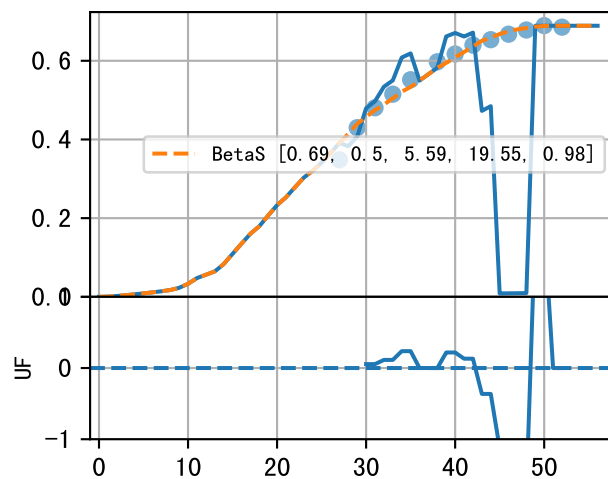
P9AW-005-13L17 (fit failed)



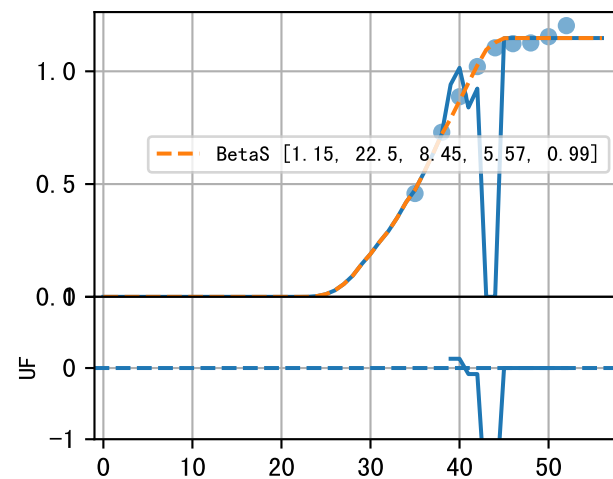
P9AW-029-11L15 (fit failed)



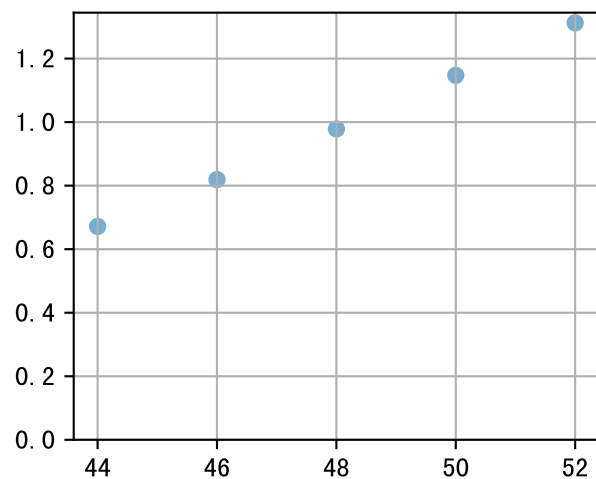
P9AW-029-11L17 (fit failed)



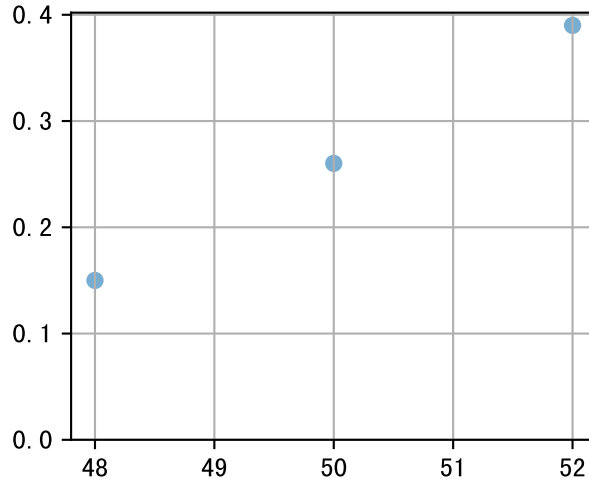
P9AW-040-22L10



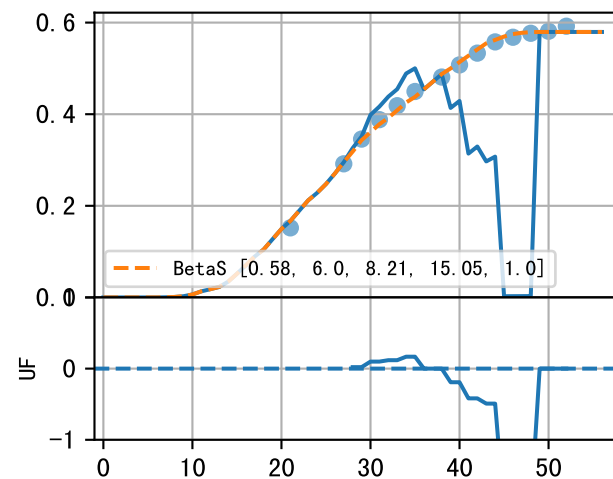
P9AW-040-22L13 (fit failed)



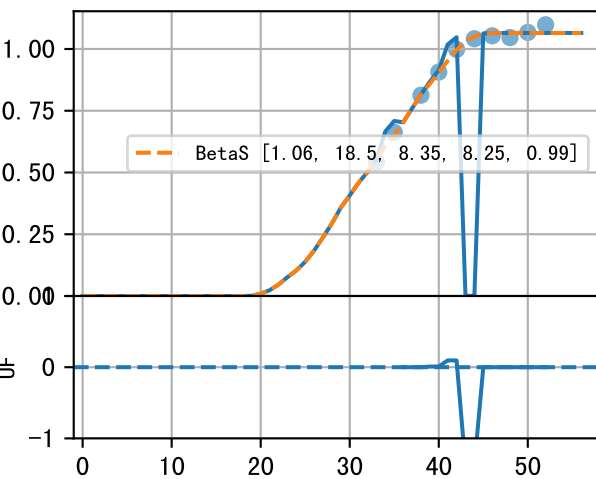
P9AW-040-22L16 (fit failed)



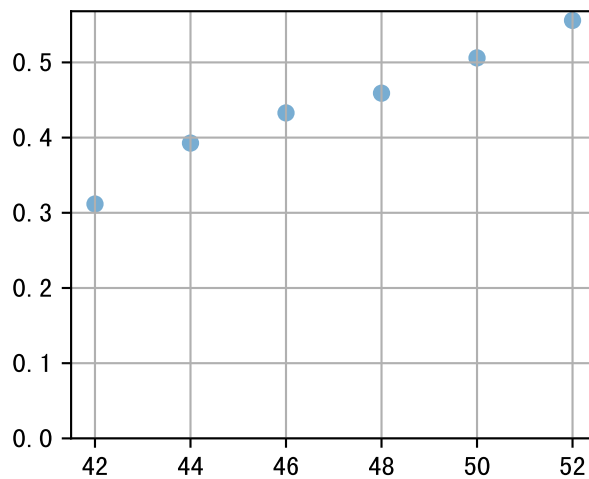
P9AW-040-22L7



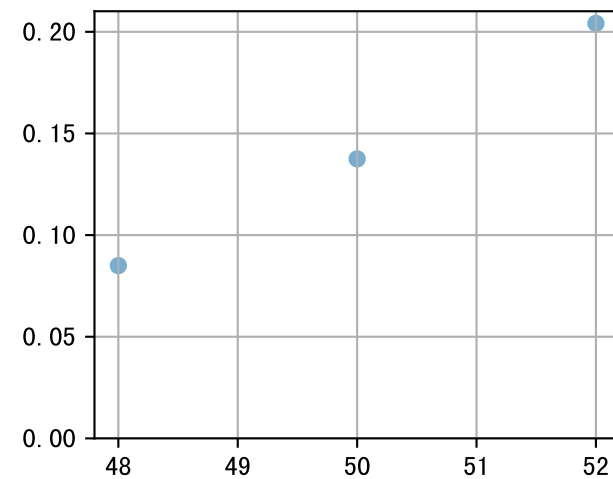
P9AW-052-18L10



P9AW-052-18L14 (fit failed)

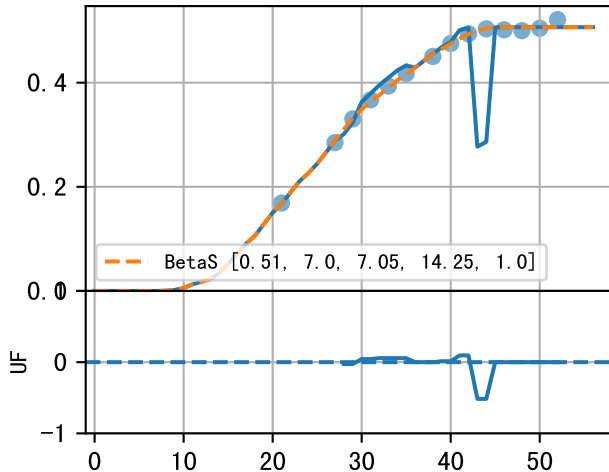


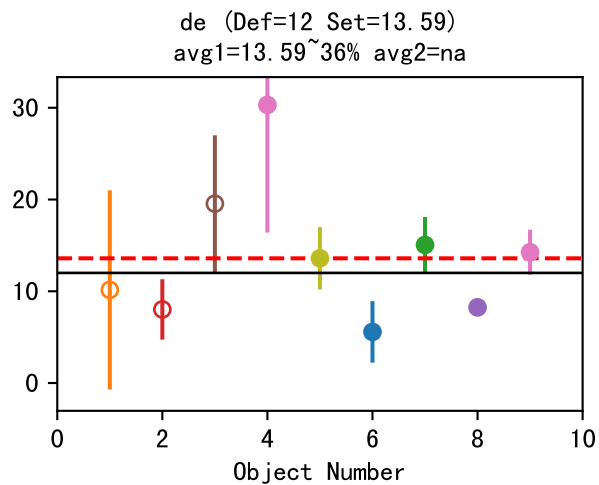
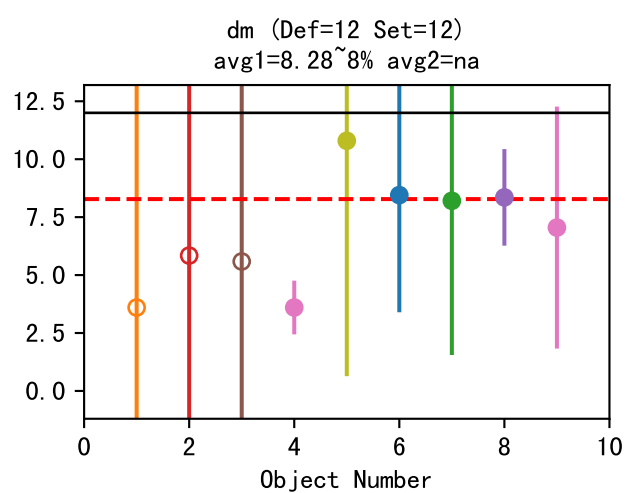
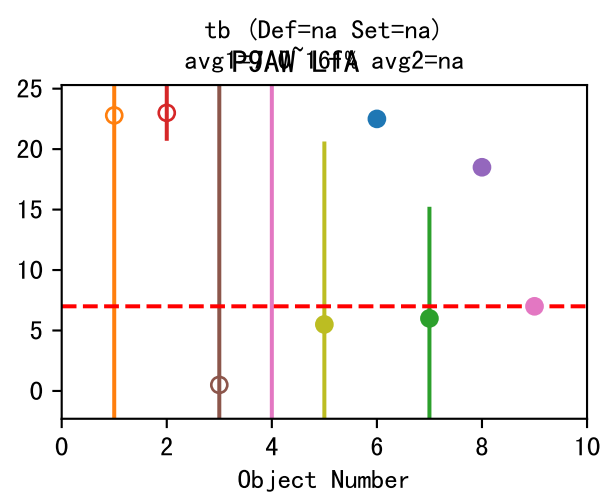
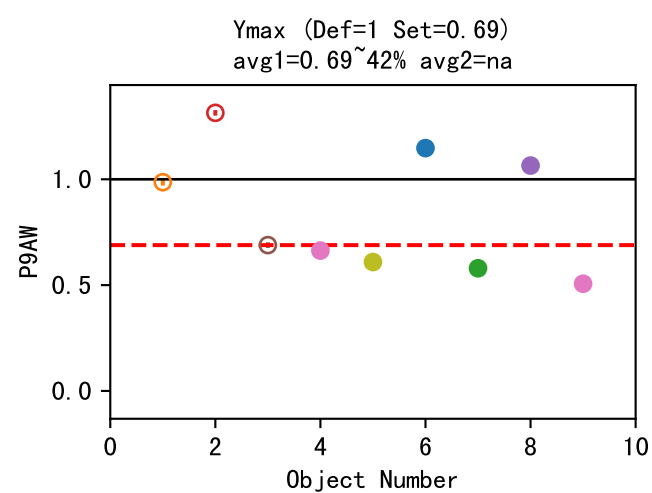
P9AW-052-18L17 (fit failed)



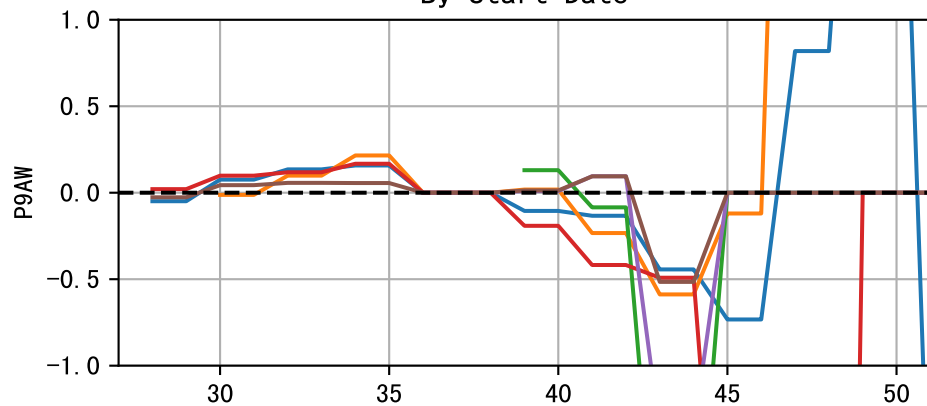
P9AW-052-18L7

LfA

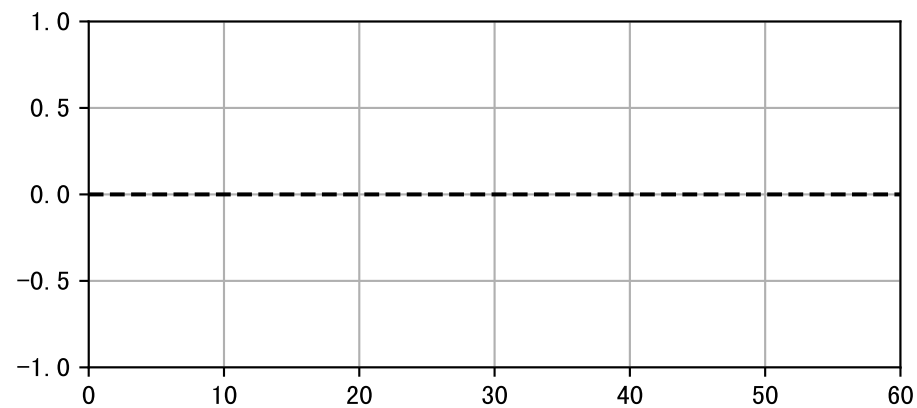
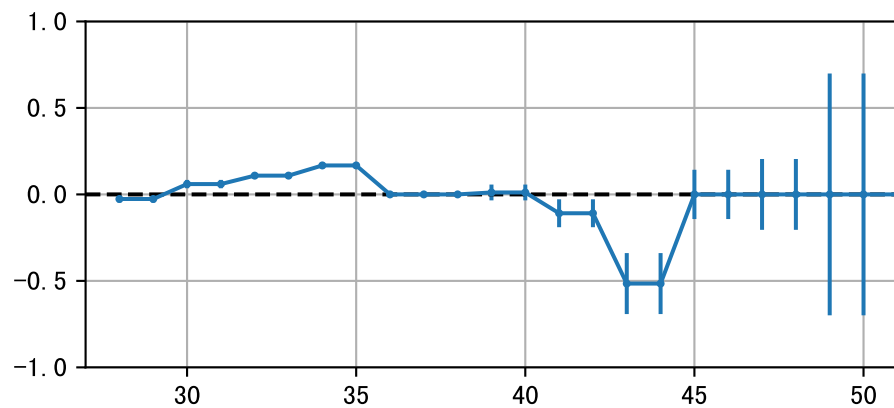
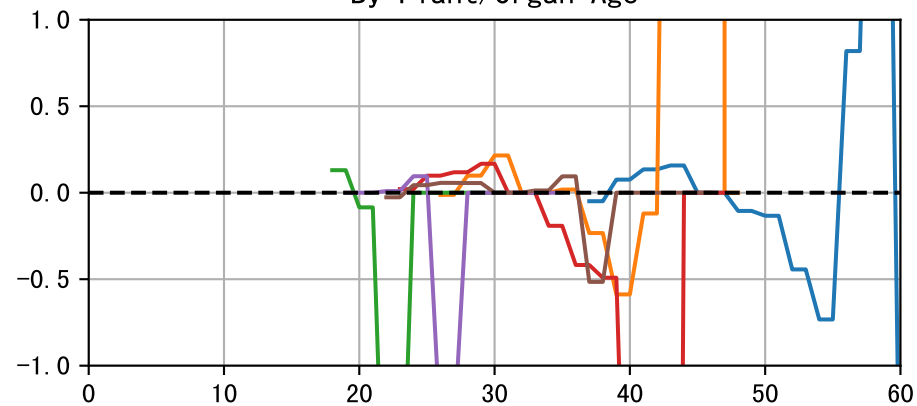


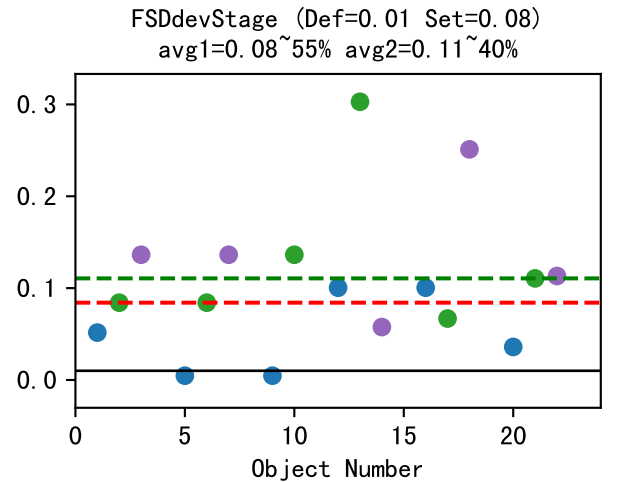
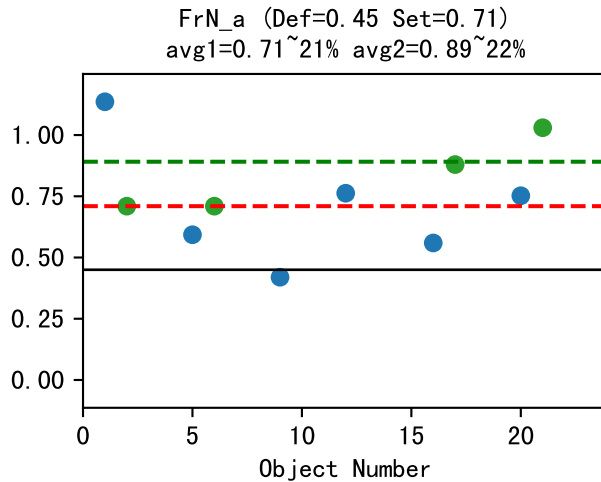
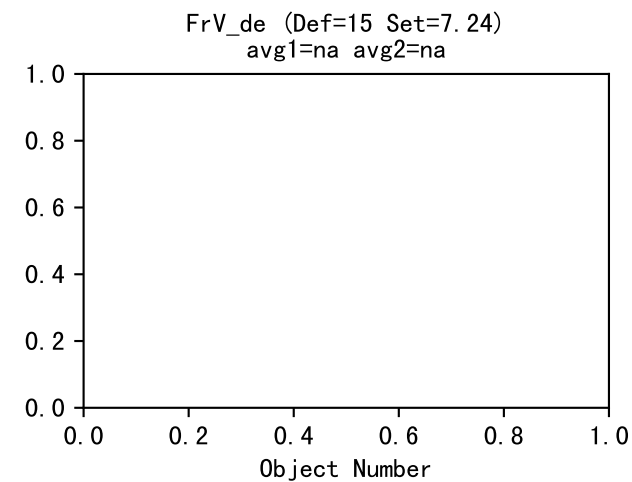
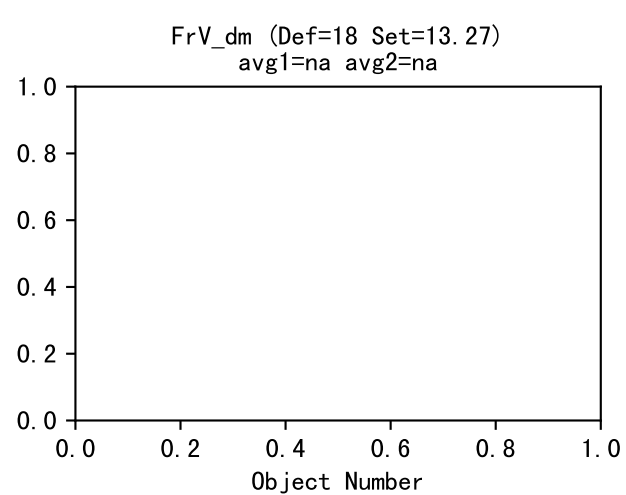
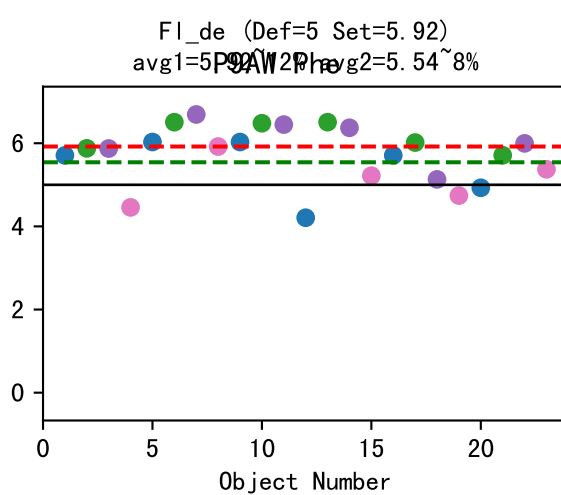
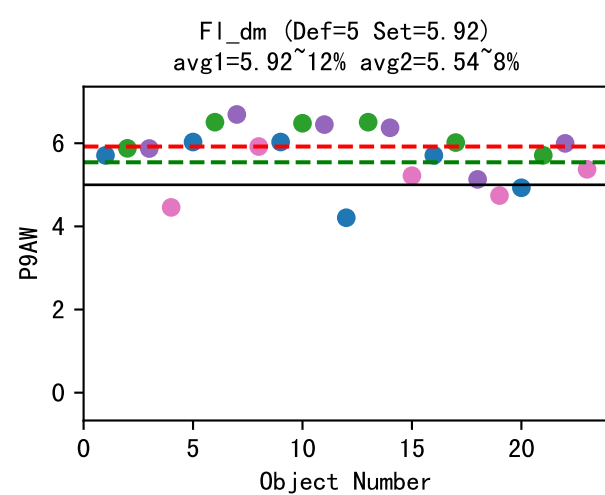


By Start Date

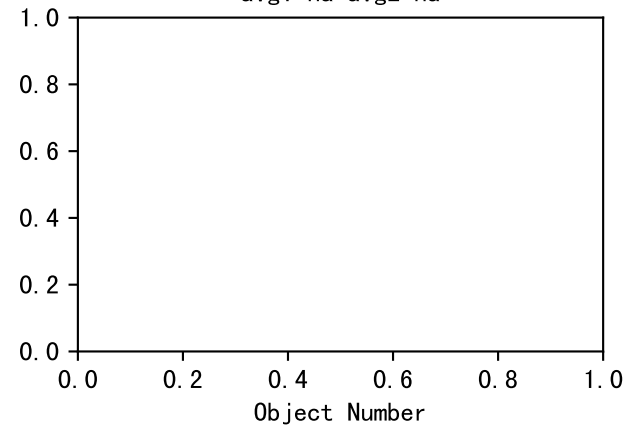


By Plant/Organ Age

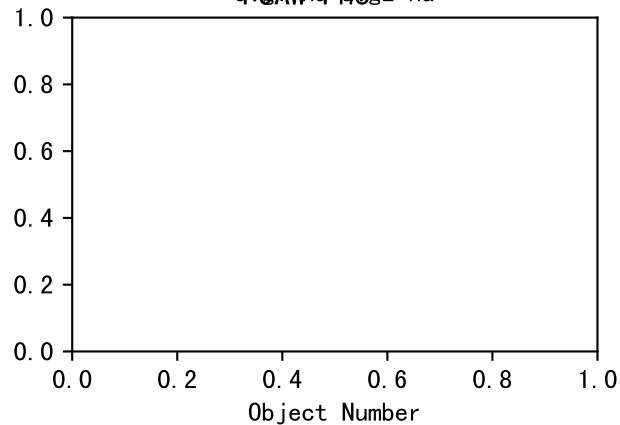




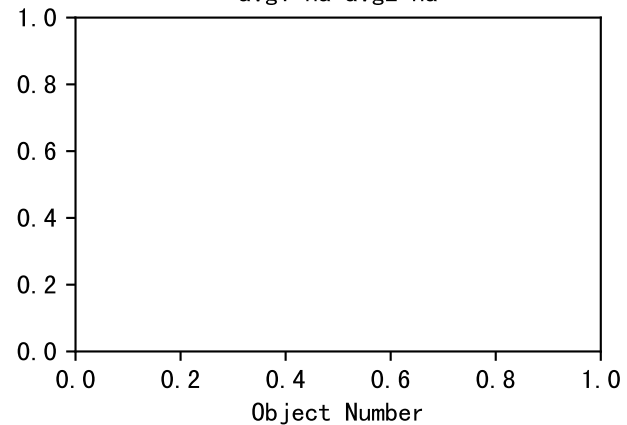
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



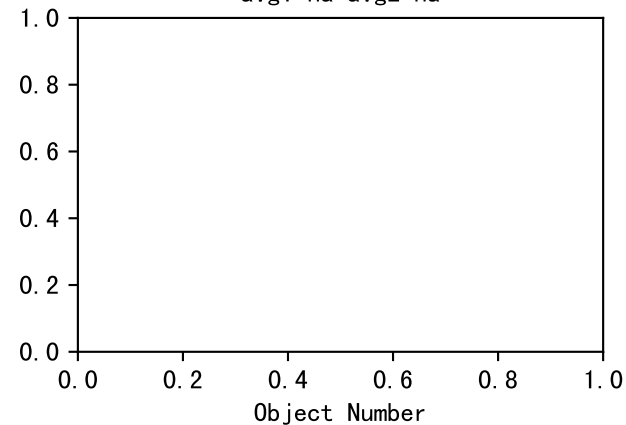
FMBDevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



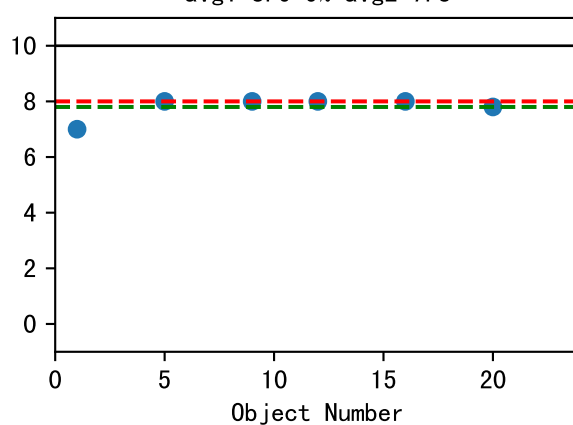
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

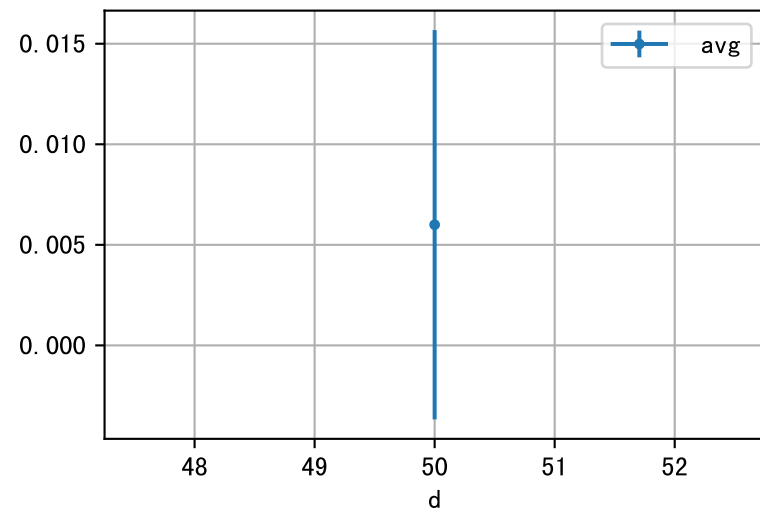


NNgen (Def=10 Set=8)
avg1=8.0~0% avg2=7.8

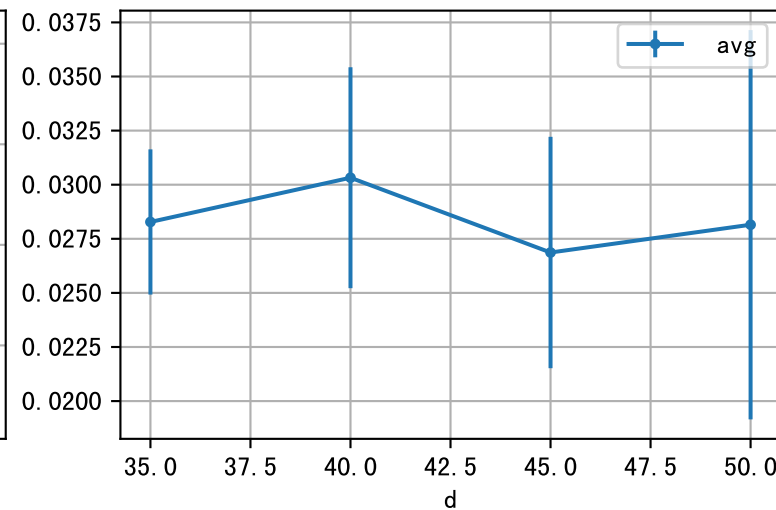


LfA: avg vs. d at each age group

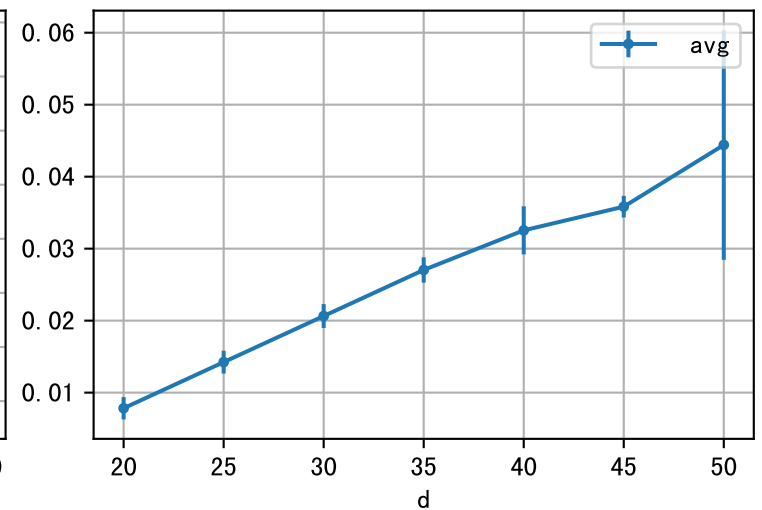
age=15



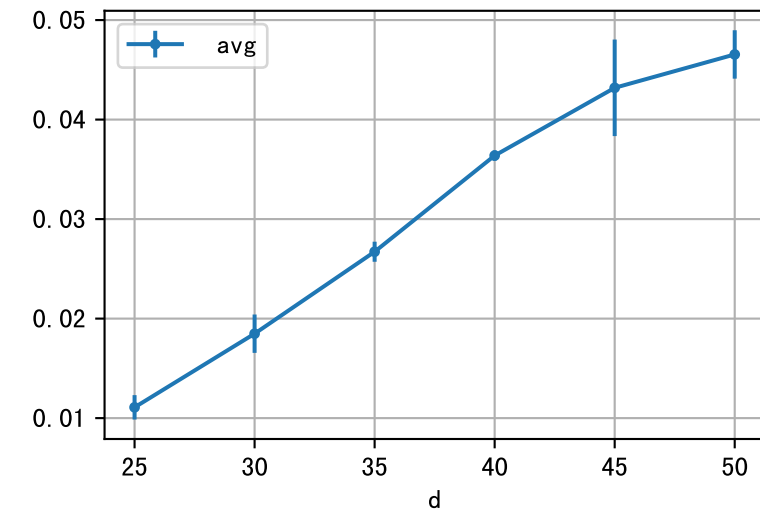
age=20



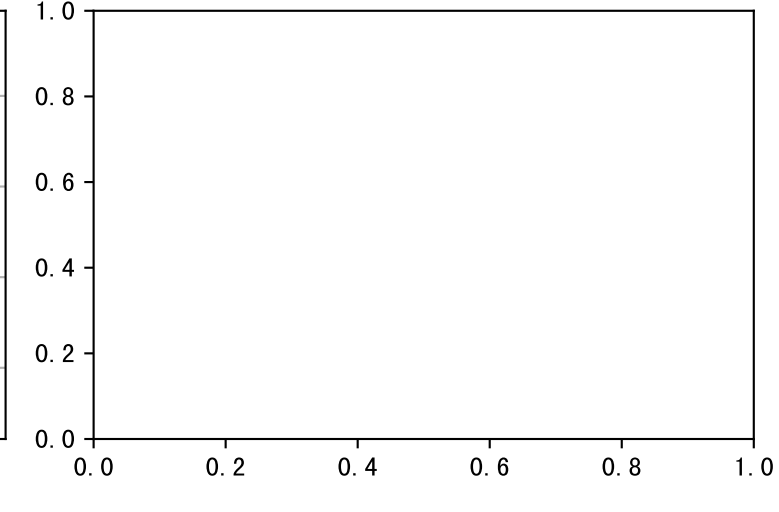
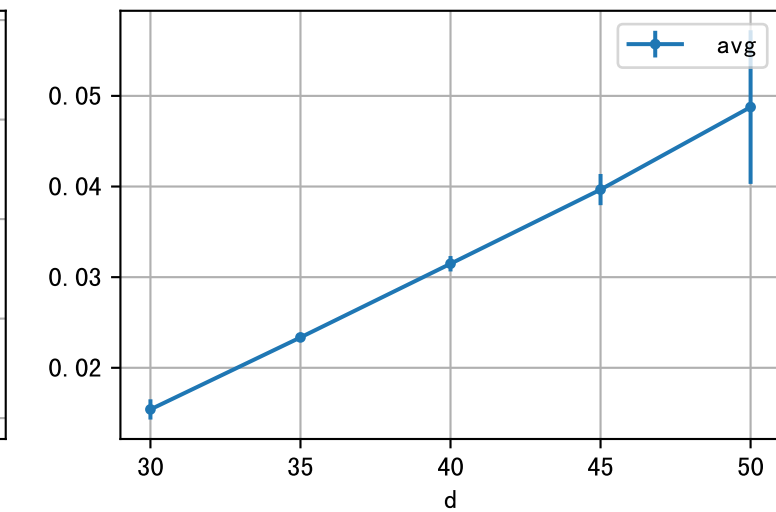
age=25



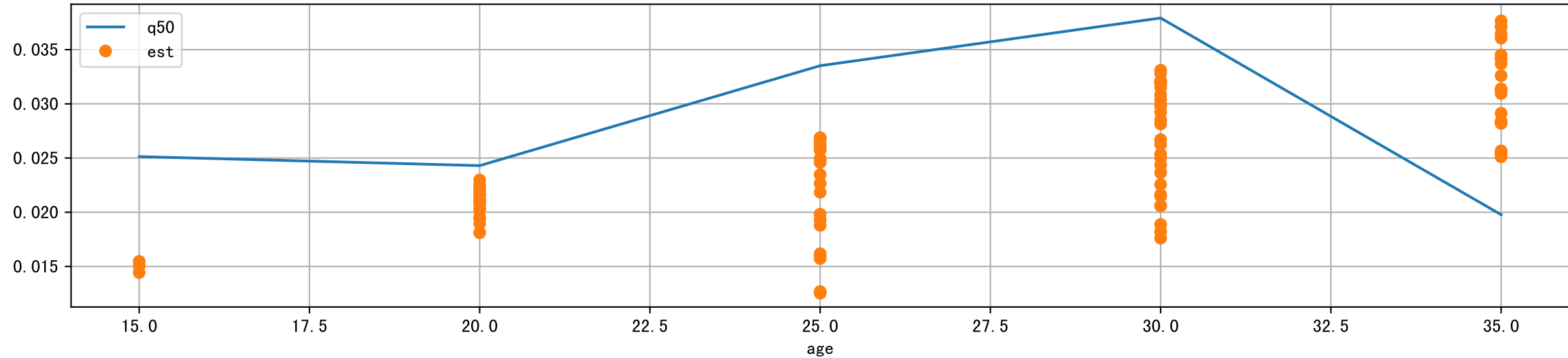
age=30



age=35

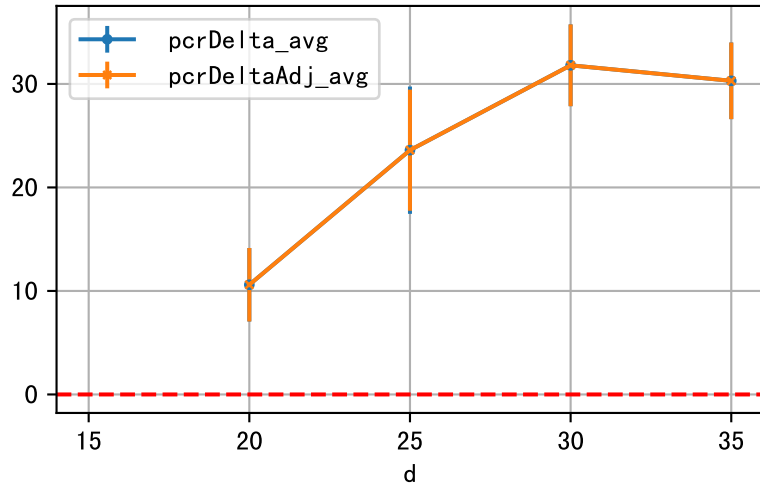


LfA: model est vs obs0v@Q50

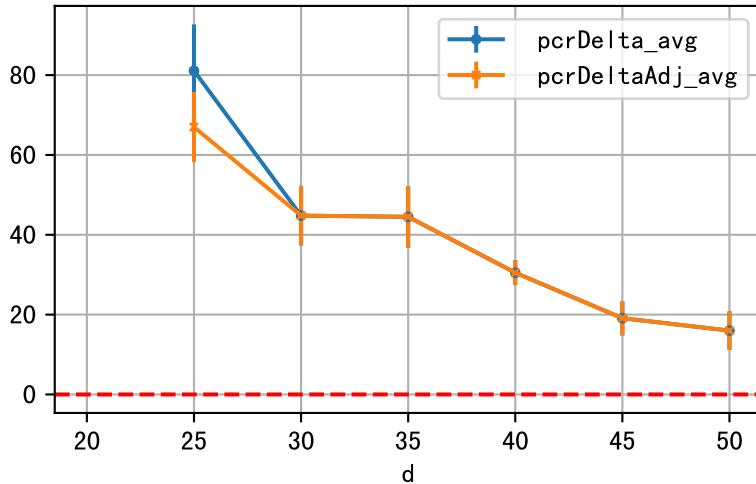


P9AW LfA: D_5d_LfA

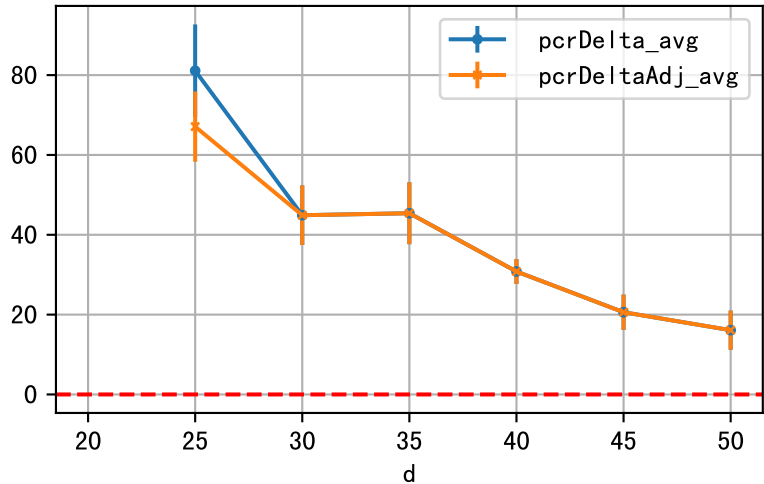
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

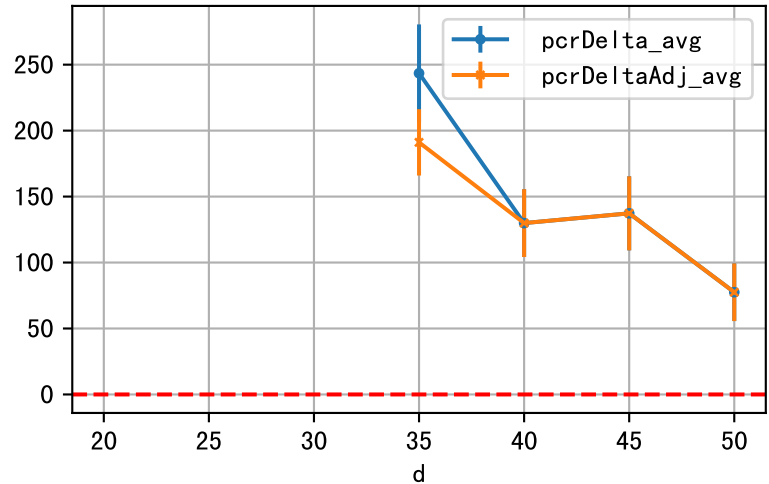
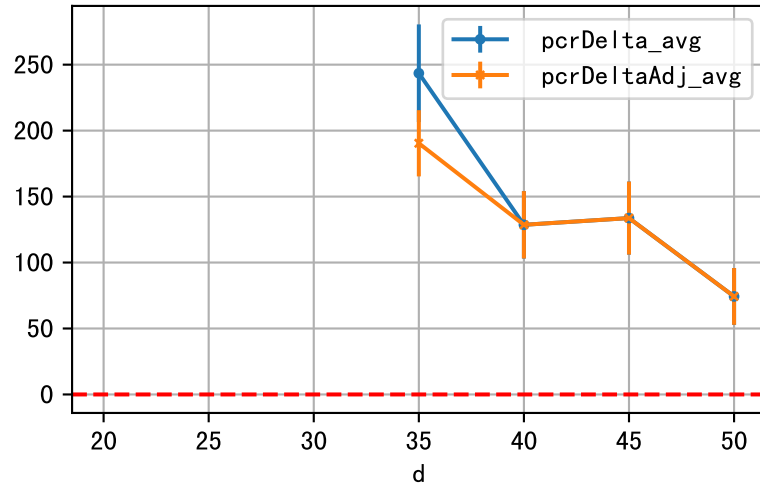
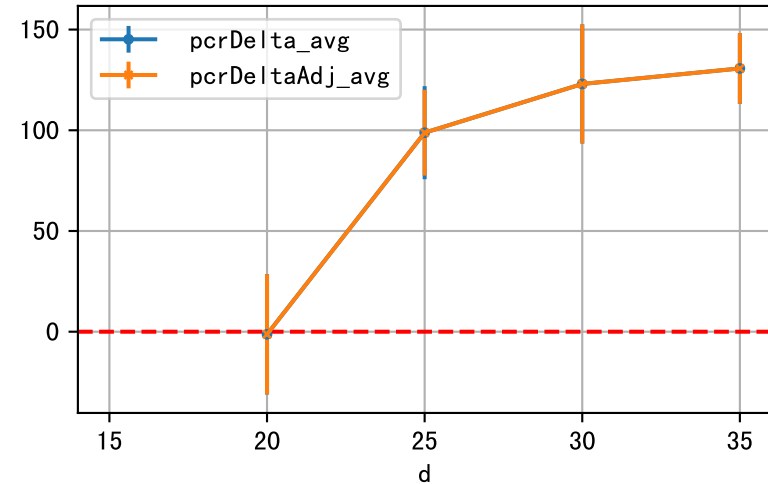


P9AW LfA: D_15d_LfA

DeltaTypeAbbr=GrpByAge

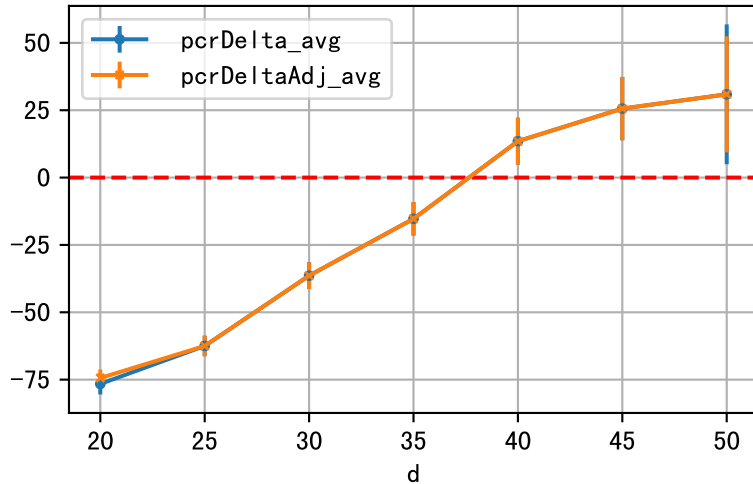
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

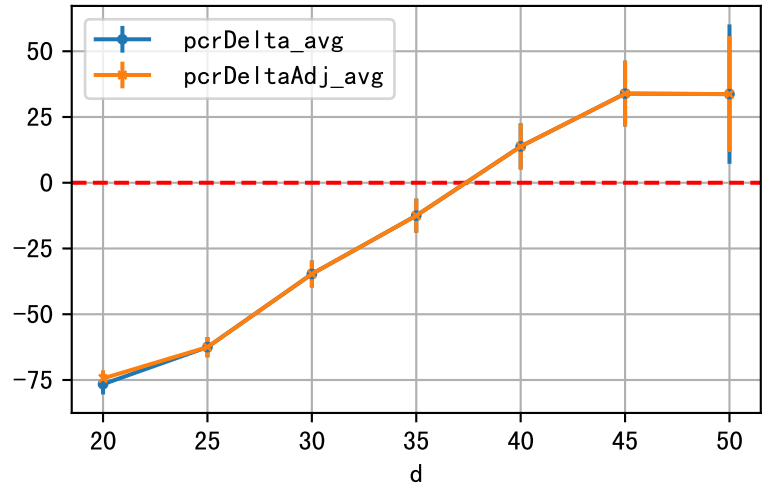


P9AW LfA: D_Q50_LfA

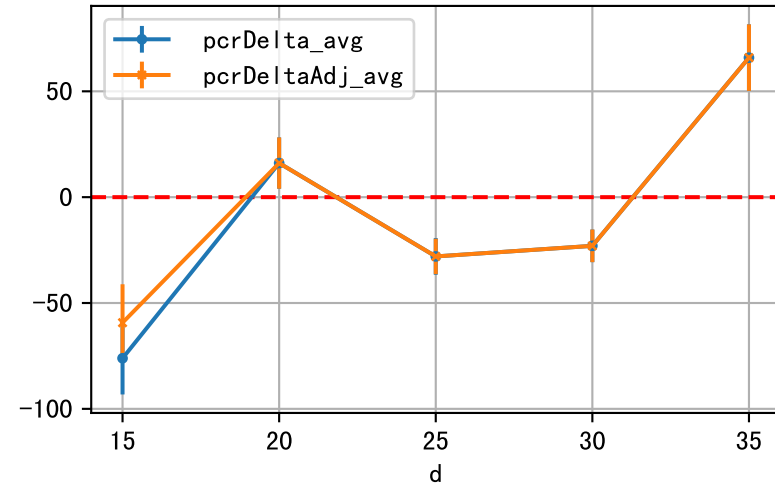
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

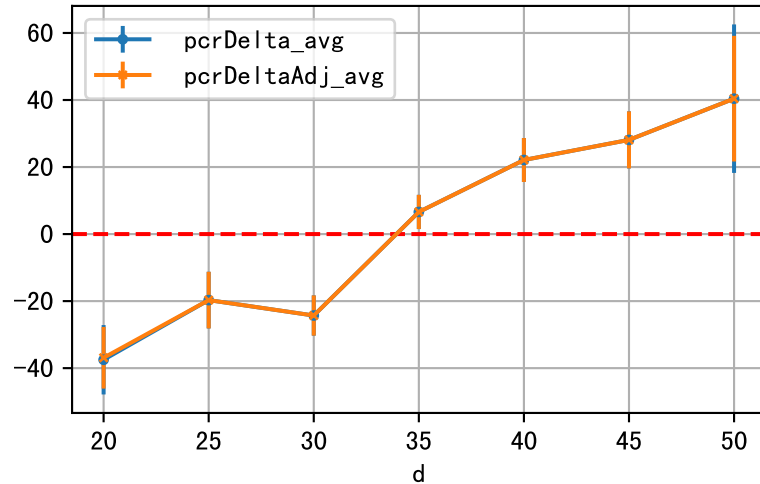


DeltaTypeAbbr=GrpByAge

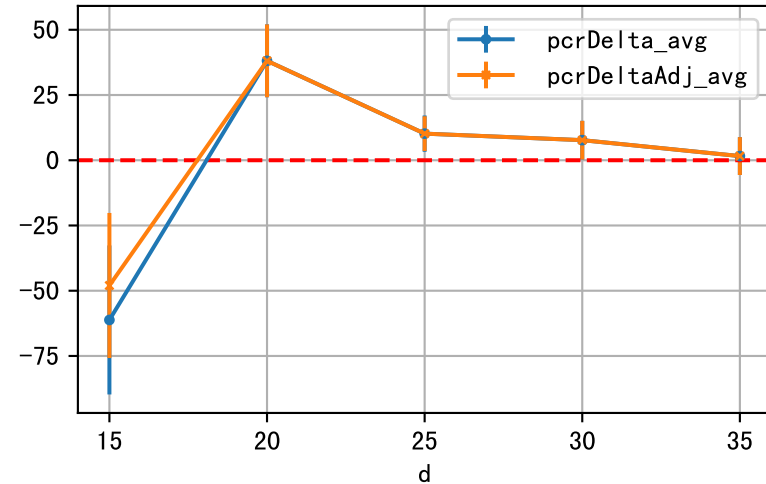


P9AW LfA: D_Est_LfA

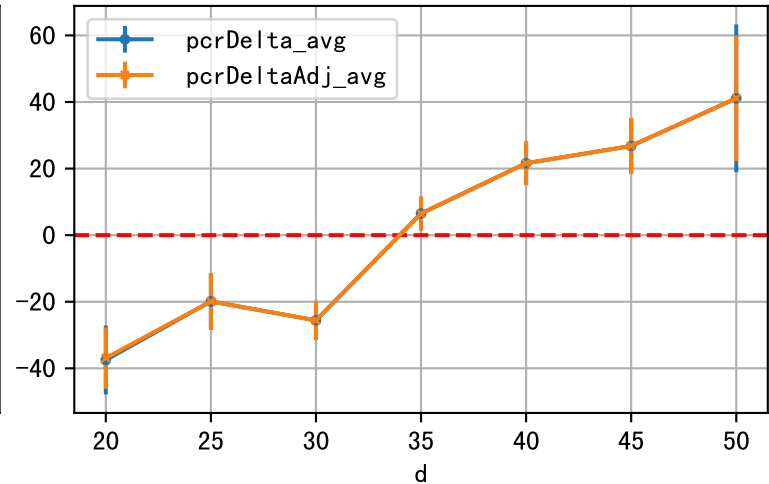
DeltaTypeAbbr=GrpByDay



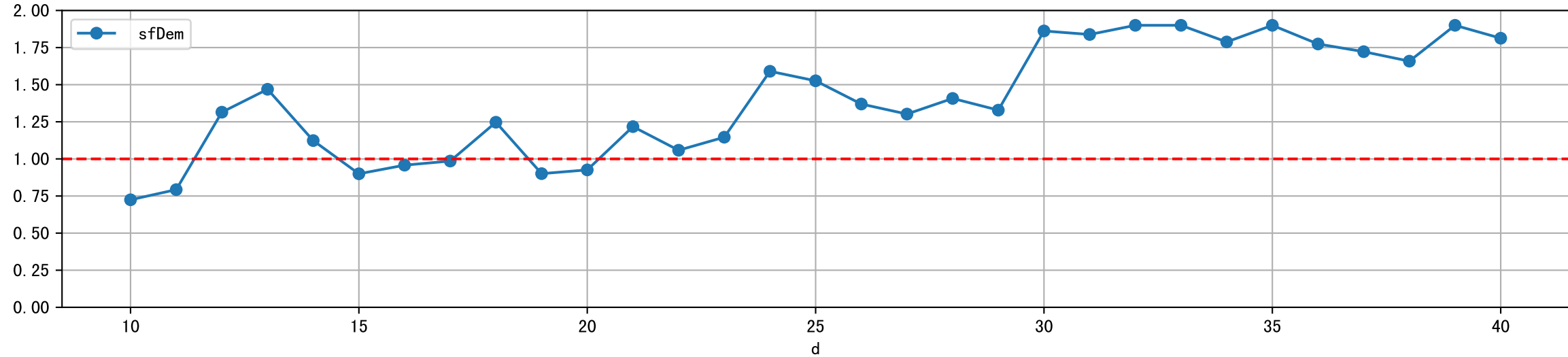
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD



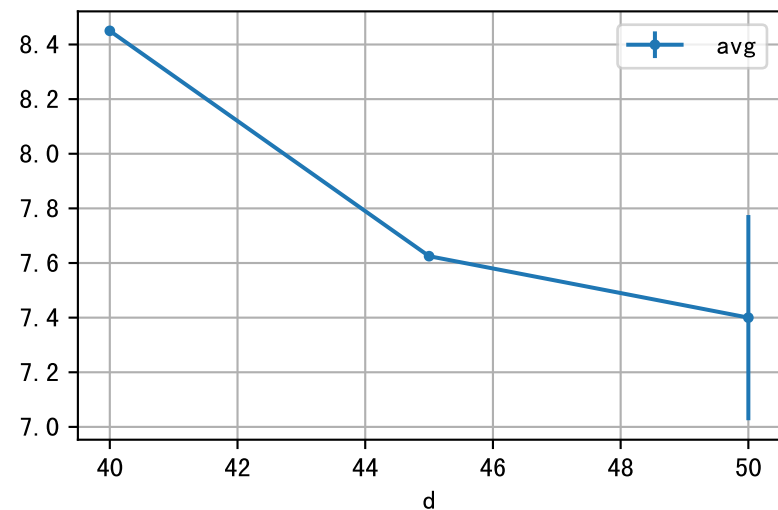
LfA: sfDem



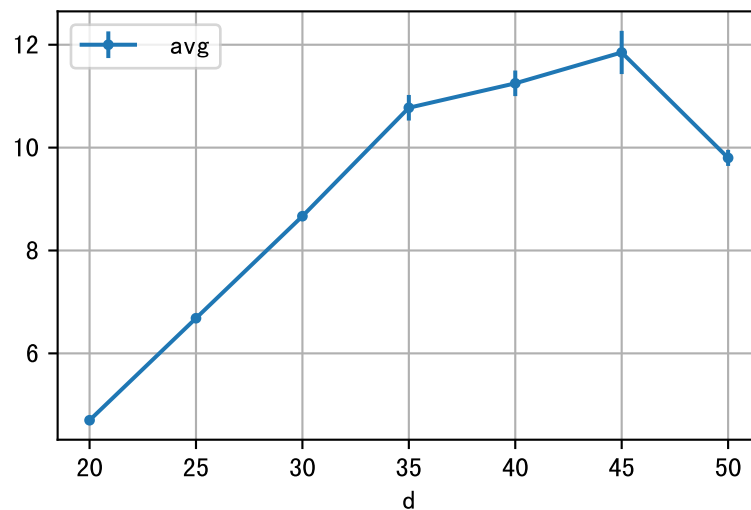


NdD: avg vs. d at each age group

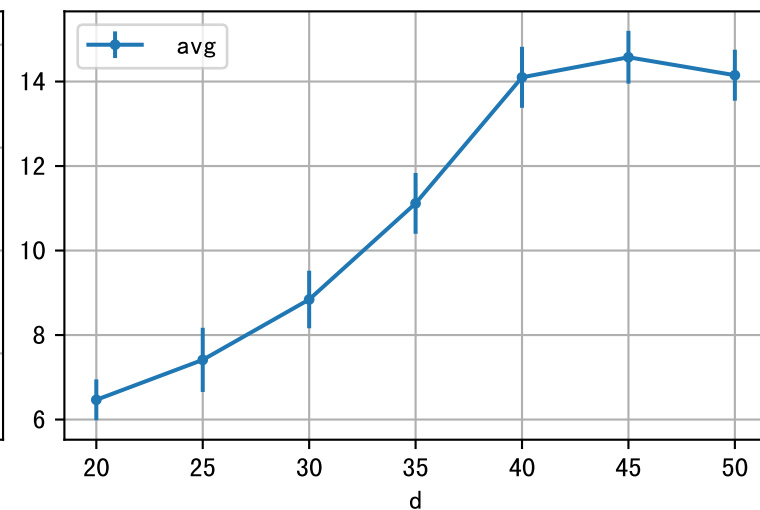
age=15



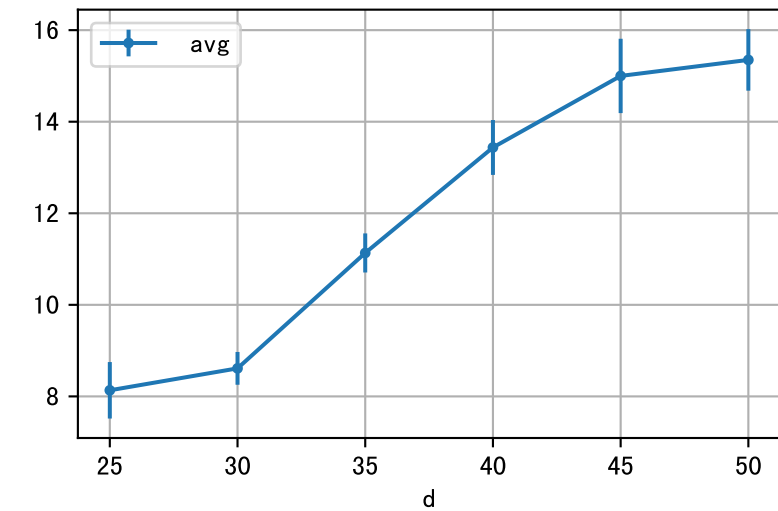
age=20



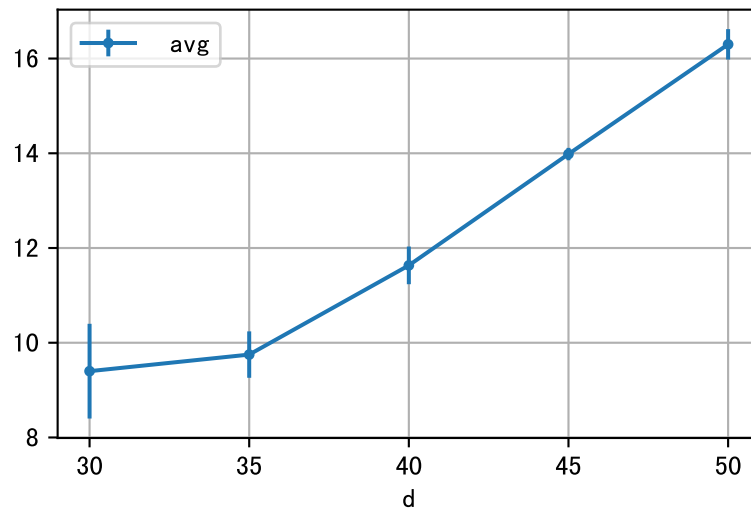
age=25



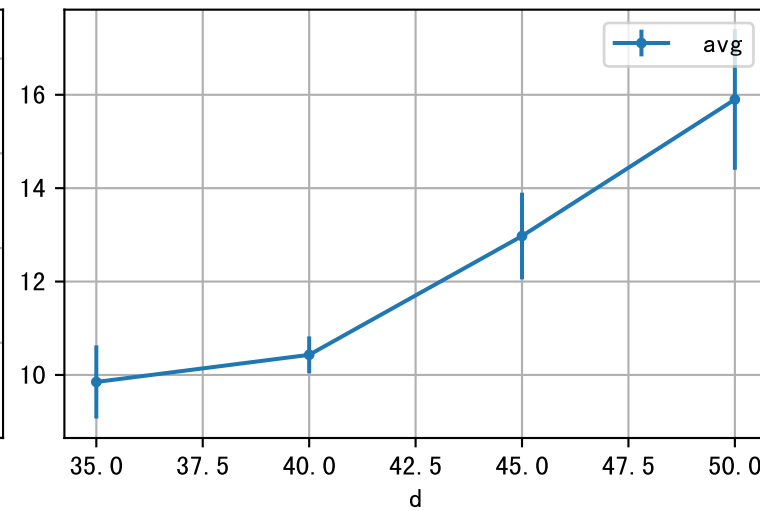
age=30



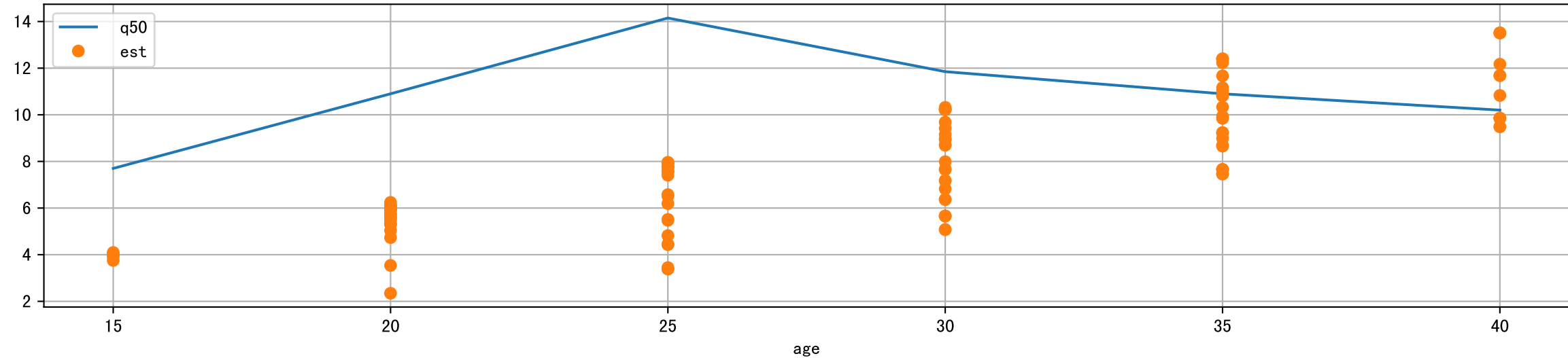
age=35



age=40



NdD: model est vs obs0v@Q50

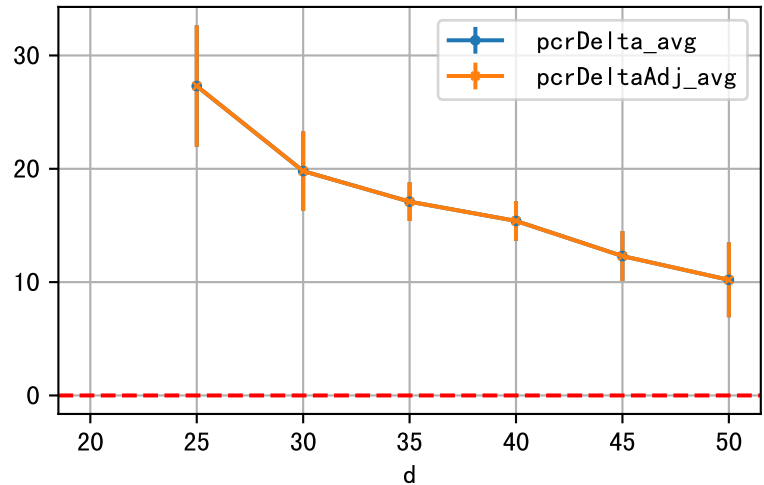
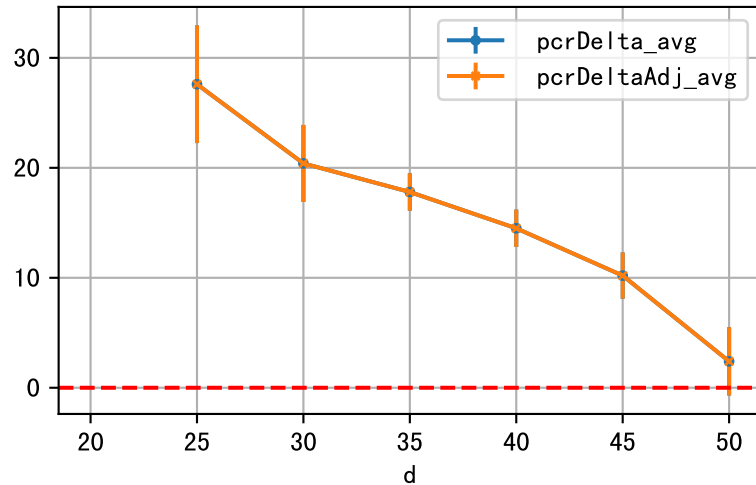
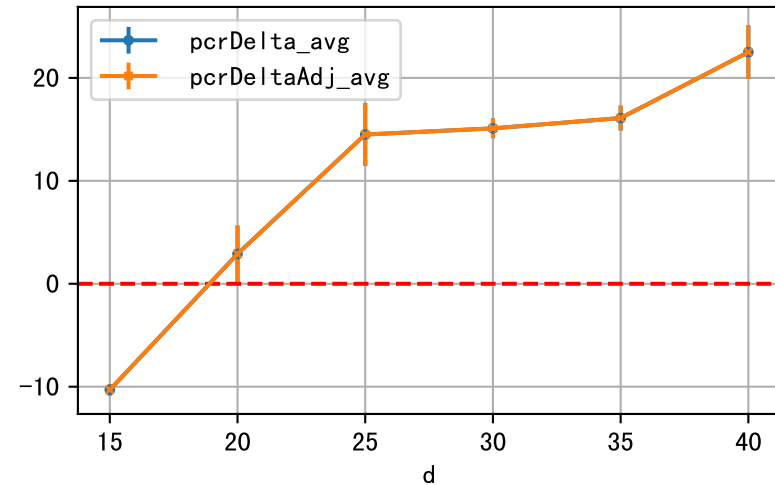


P9AW NdD: D_5d_NdD

DeltaTypeAbbr=GrpByAge

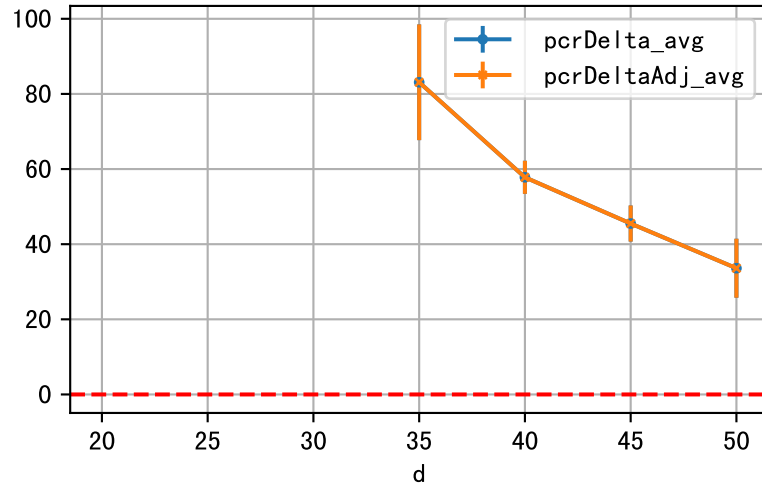
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

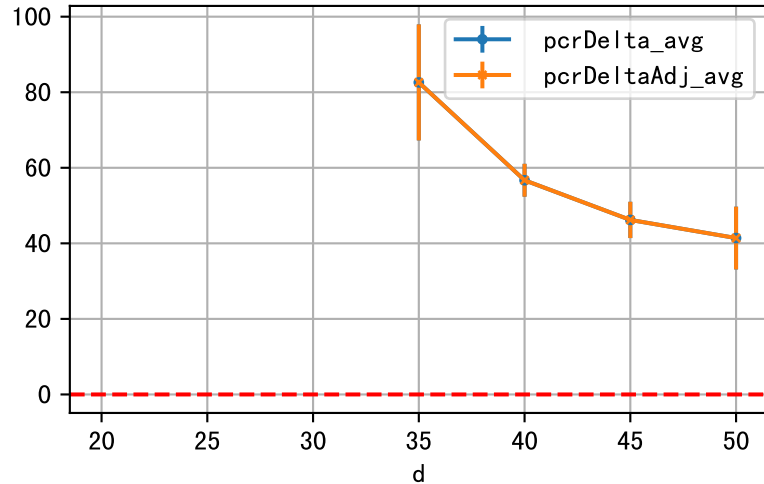


P9AW NdD: D_15d_NdD

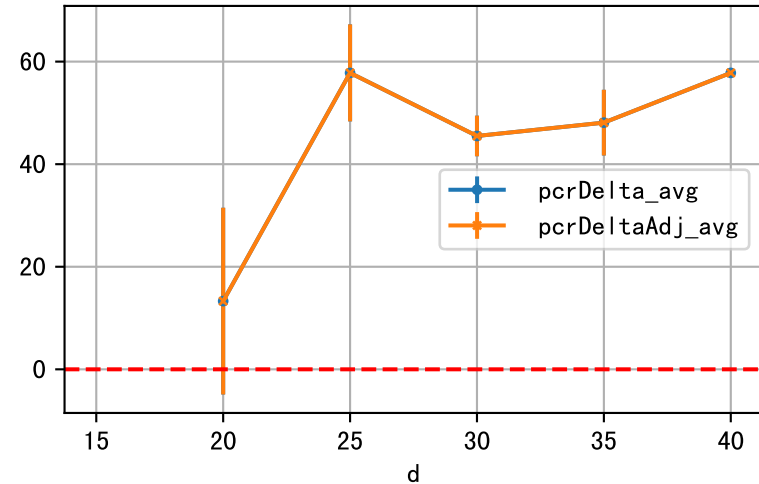
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

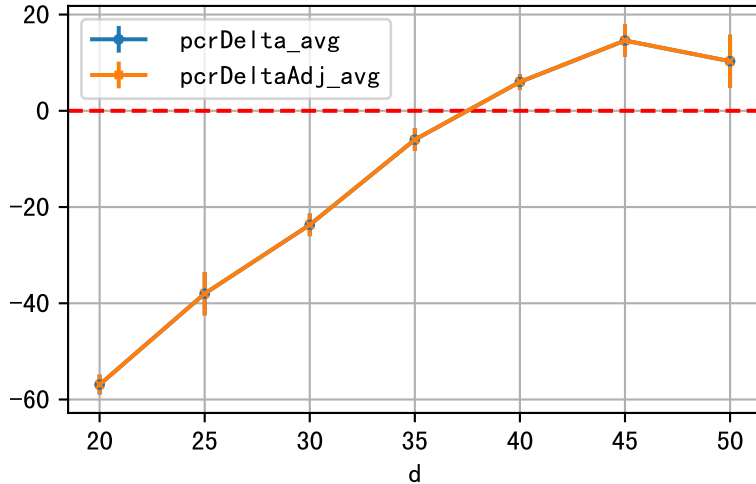
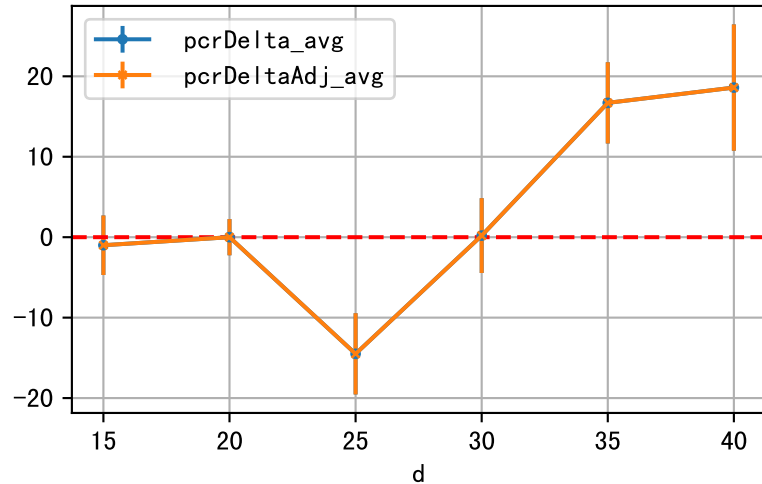


DeltaTypeAbbr=GrpByAge

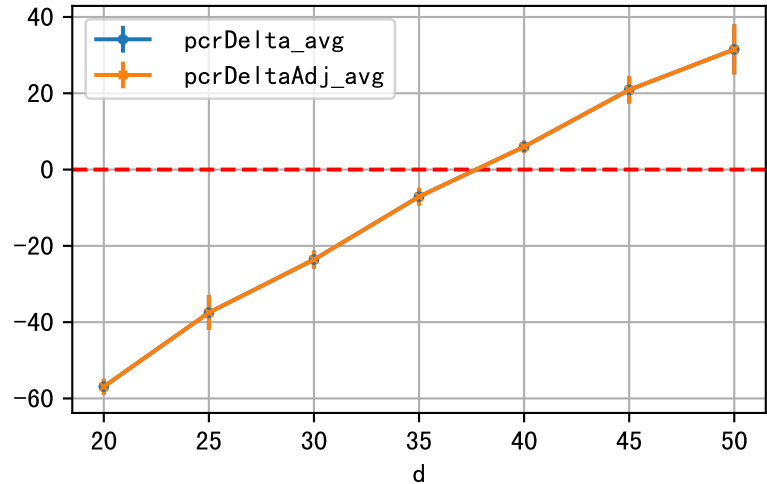


P9AW NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByDay

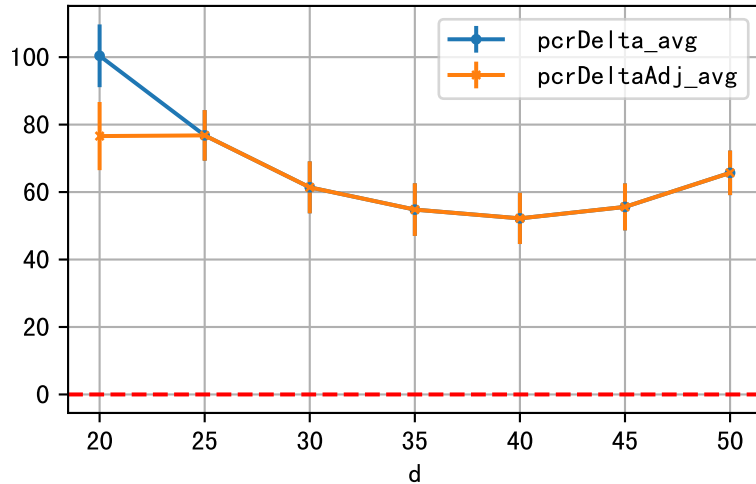


DeltaTypeAbbr=Wei AvgByD

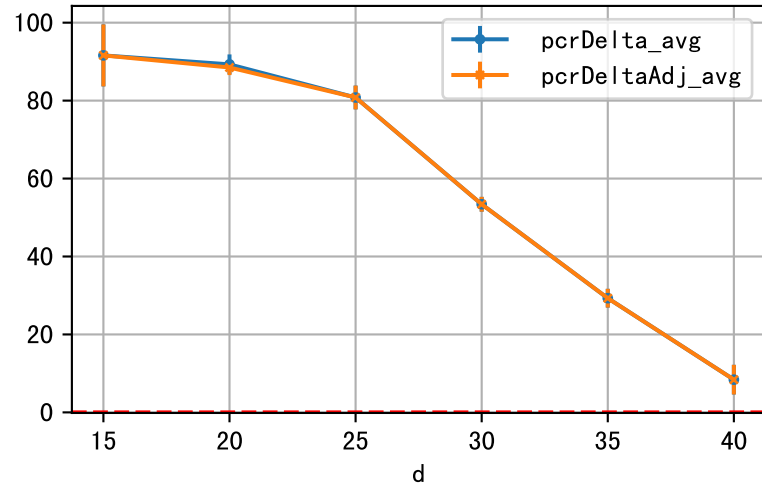


P9AW NdD: D_Est_NdD

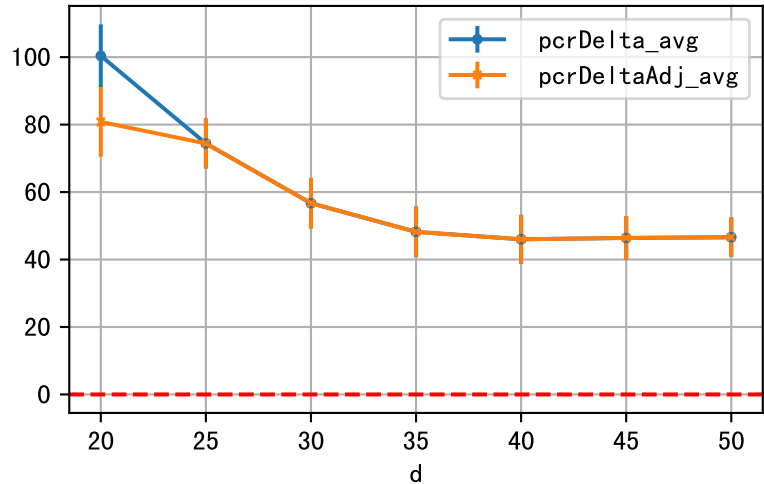
DeltaTypeAbbr=GrpByDay



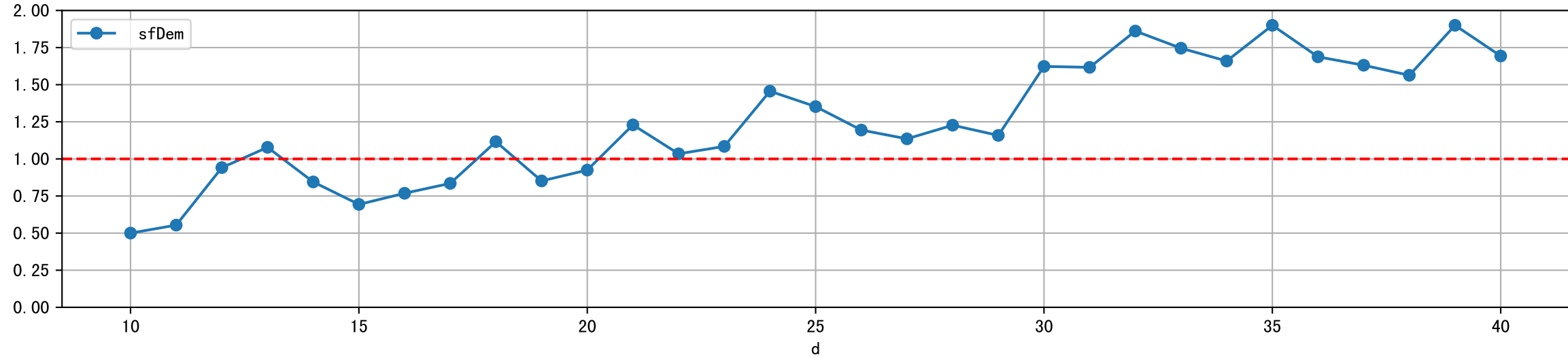
DeltaTypeAbbr=GrpByAge

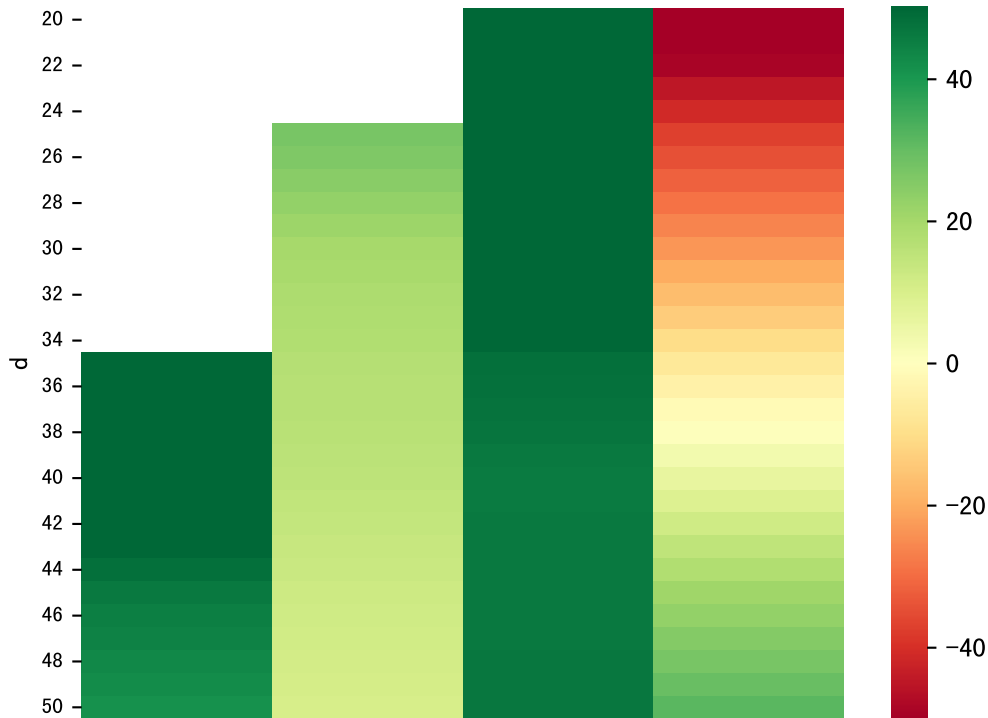


DeltaTypeAbbr=Wei AvgByD

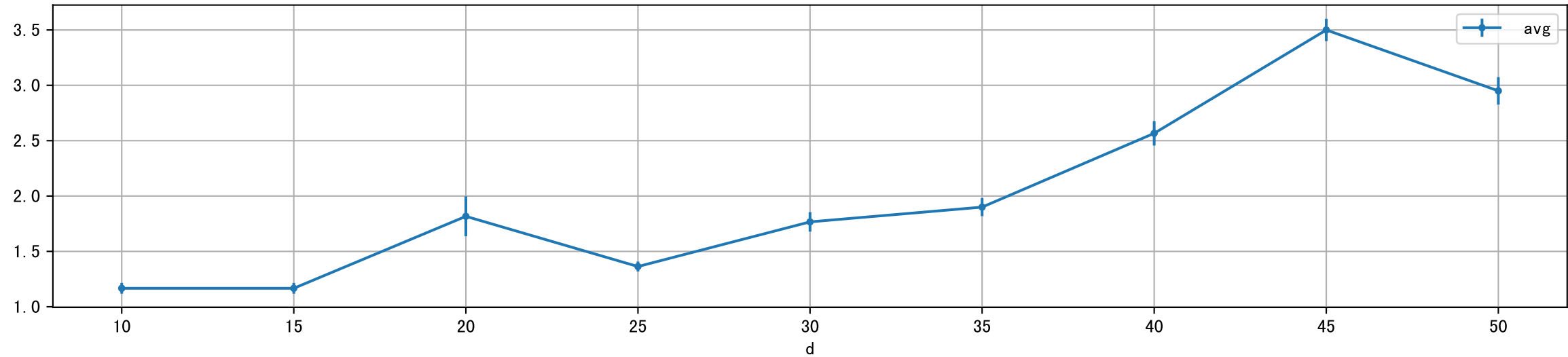


NdD: sfDem

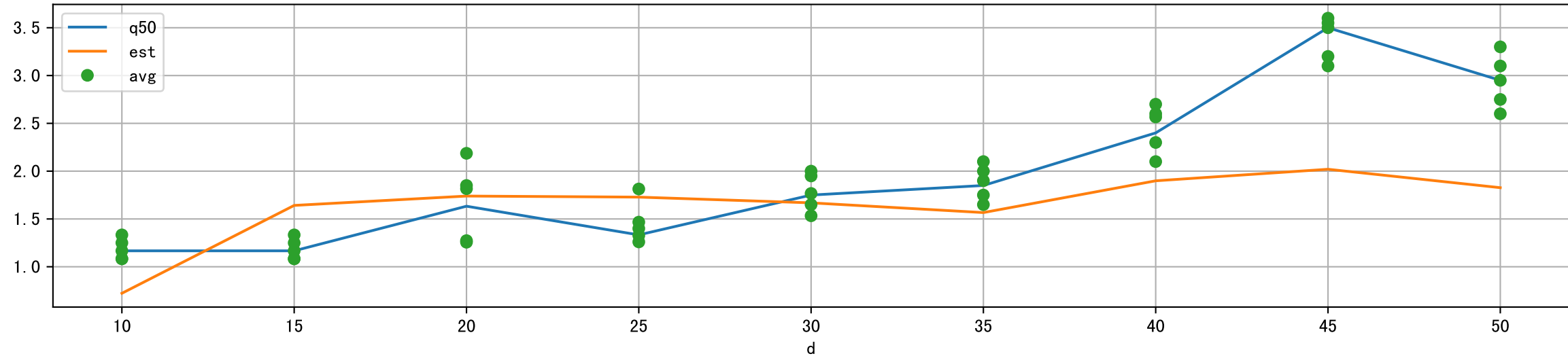




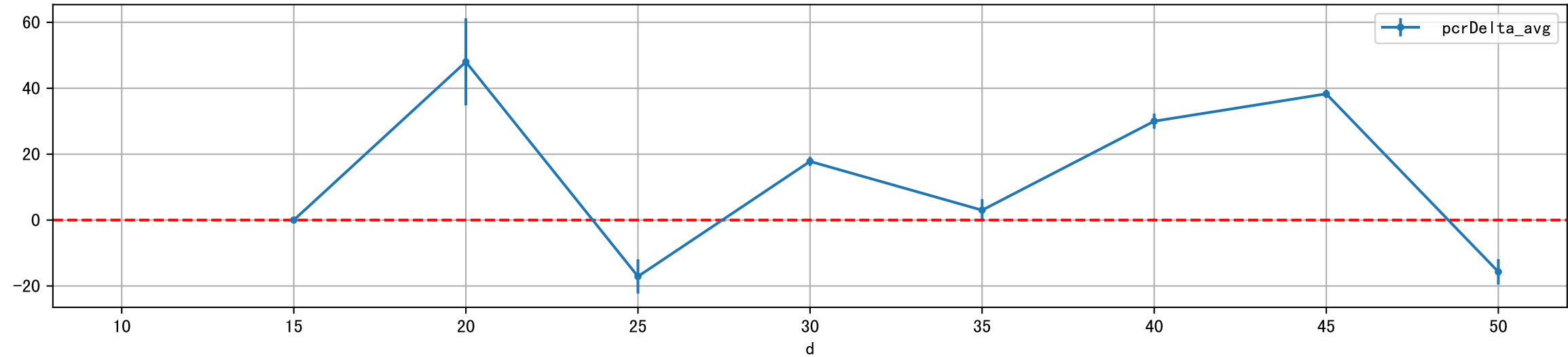
dStH: avg vs. d



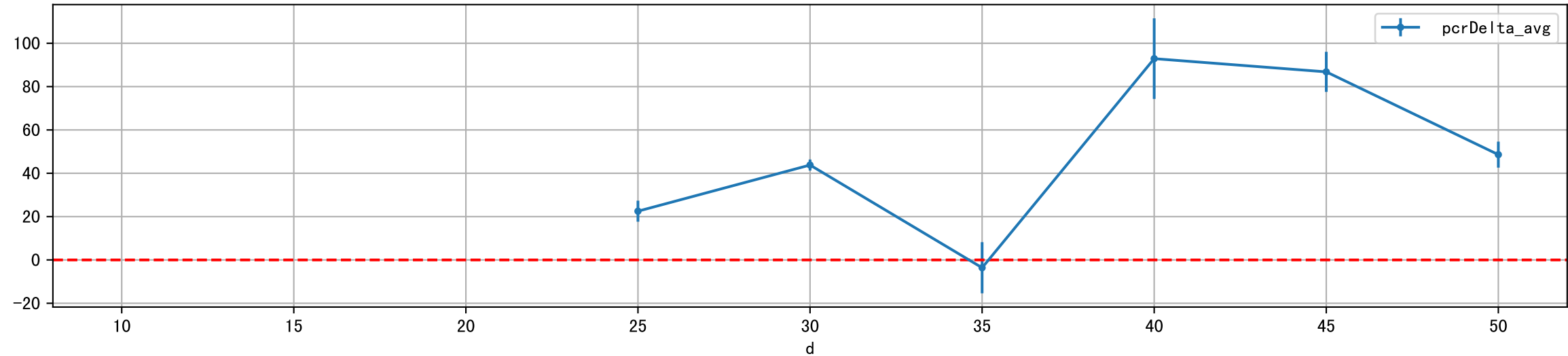
dStH: obsAvg vs obs0v@Q50



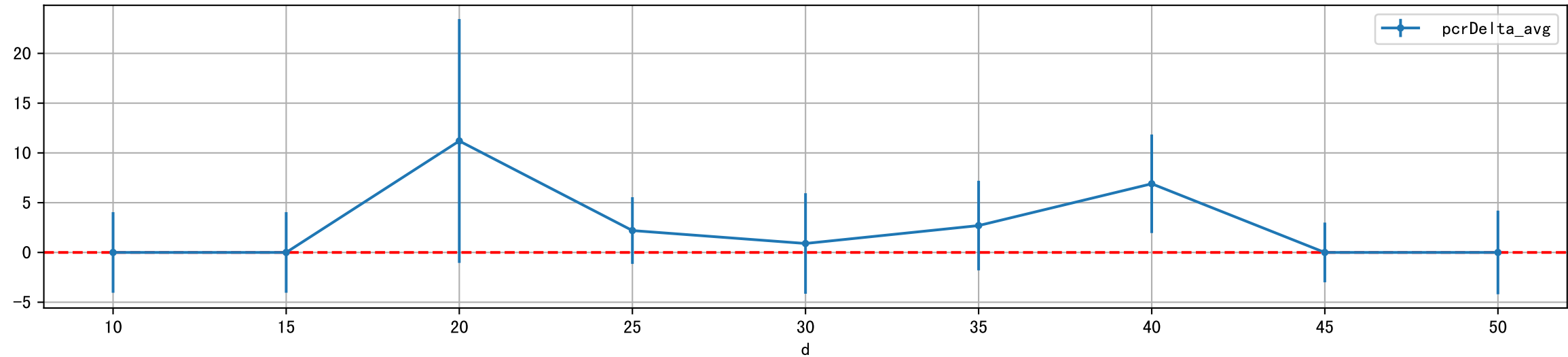
dStH: D_5d_StH



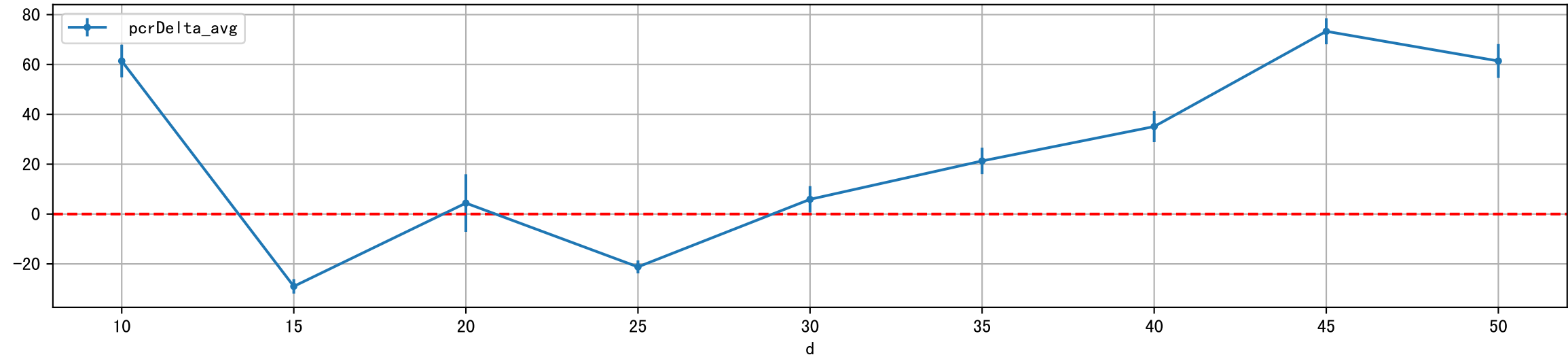
dStH: D_15d_StH



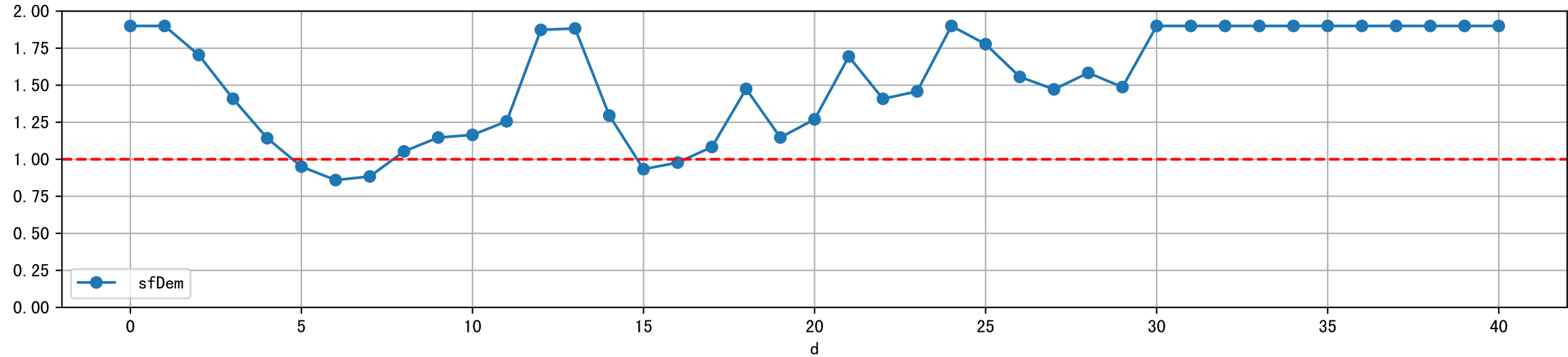
dStH: D_Q50_StH

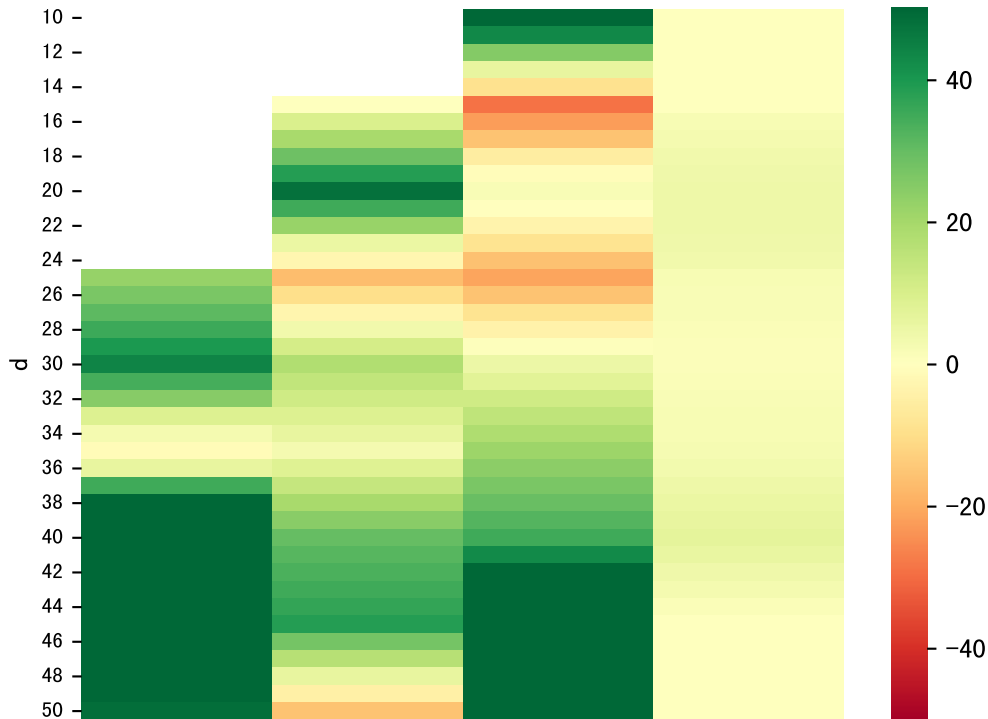


dStH: D_Est_StH



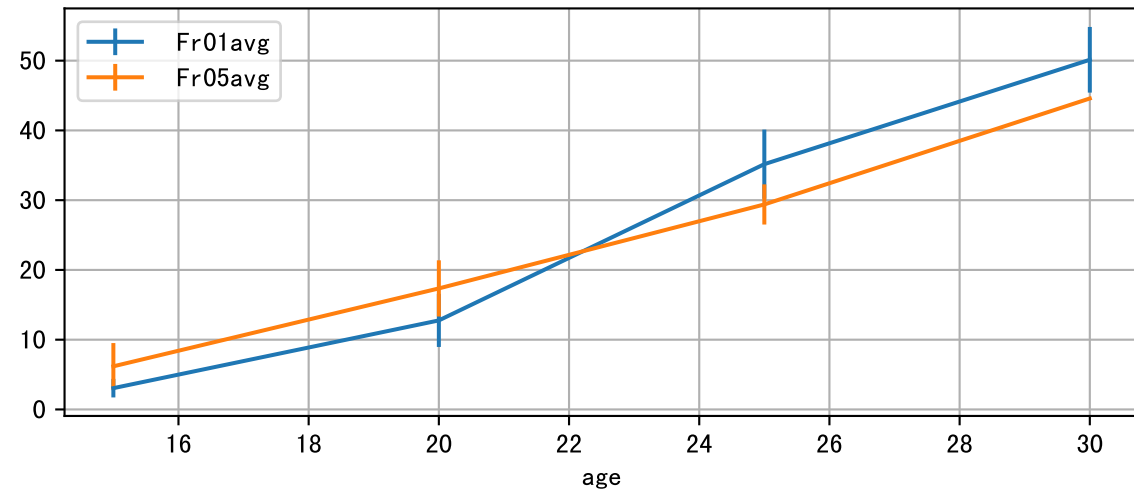
dStH: sfDem



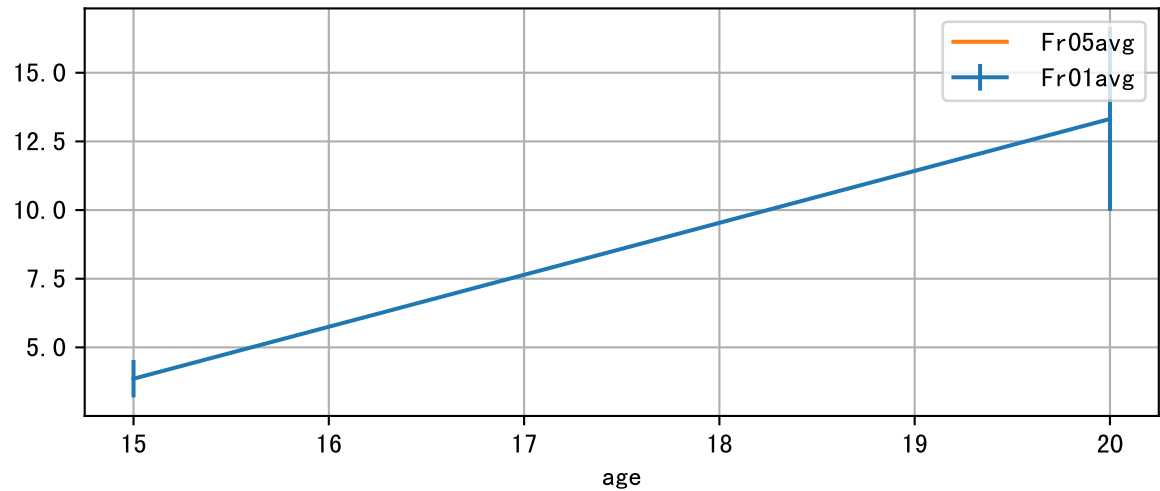


FrV: Fr01 vs Fr05 at each truss

organID=T01

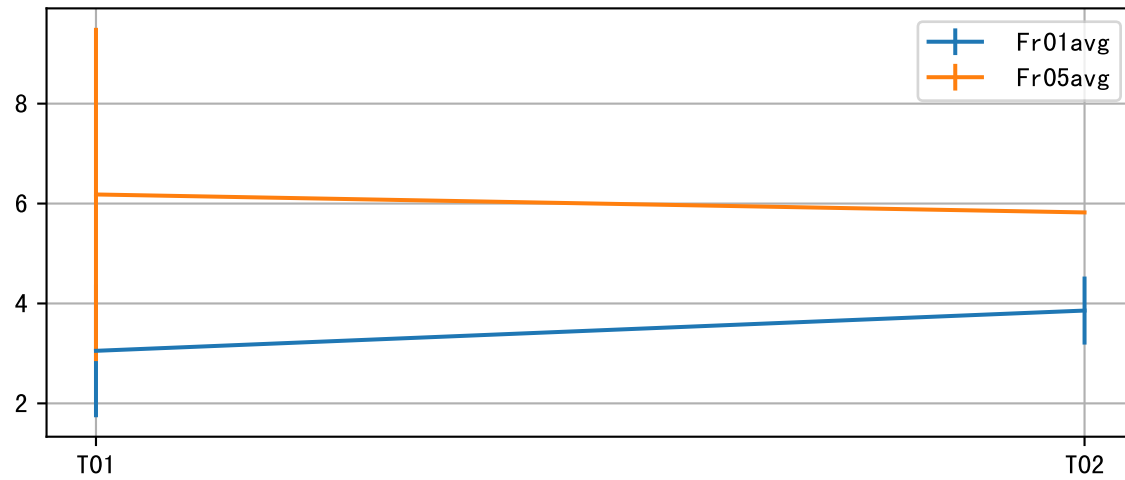


organID=T02

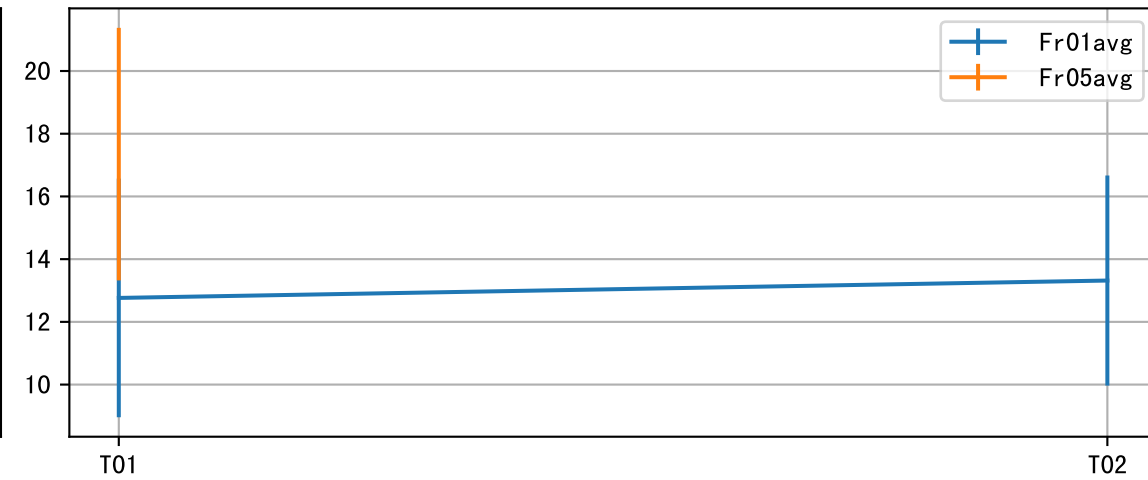
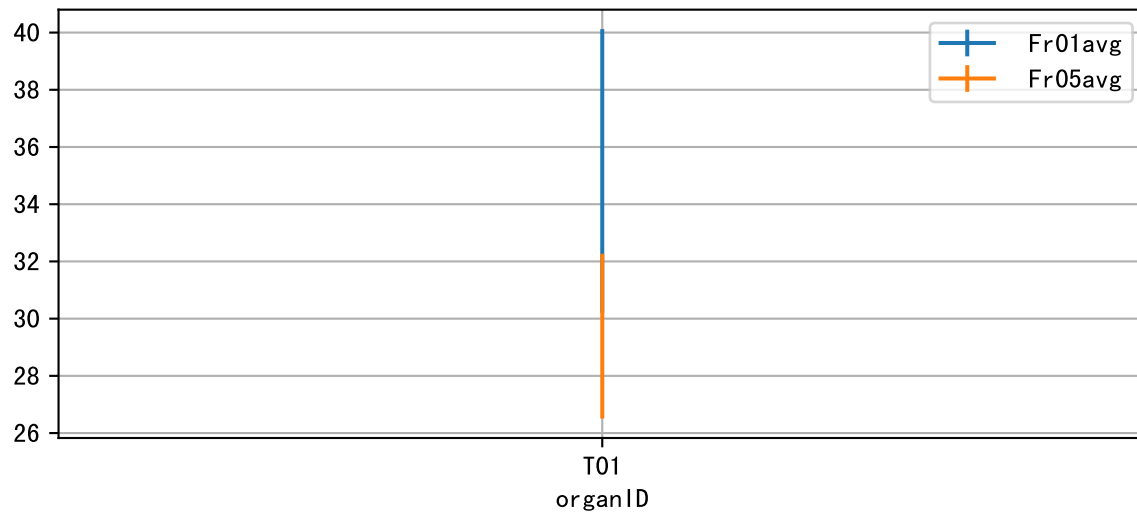
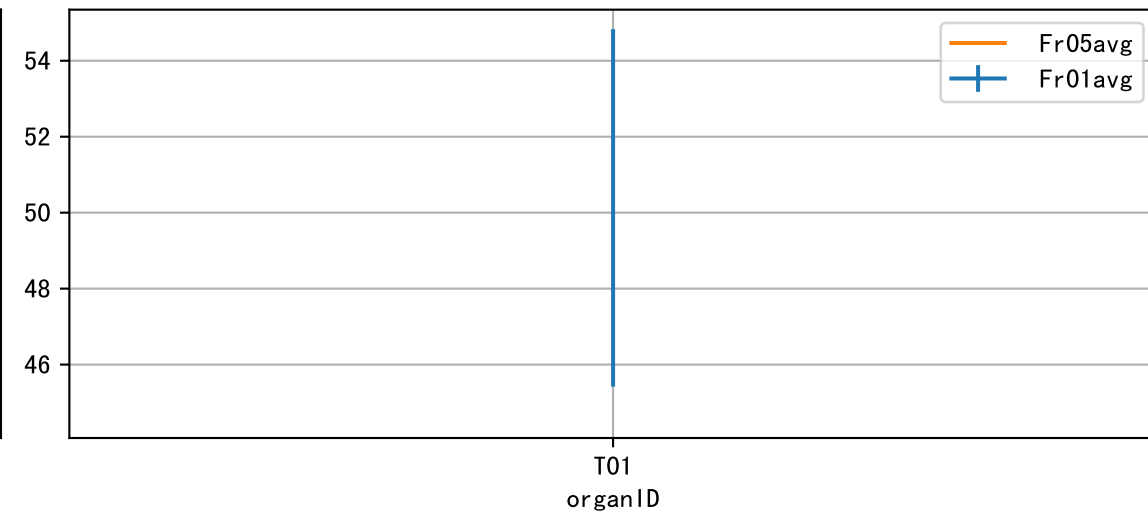


FrV trend at each age

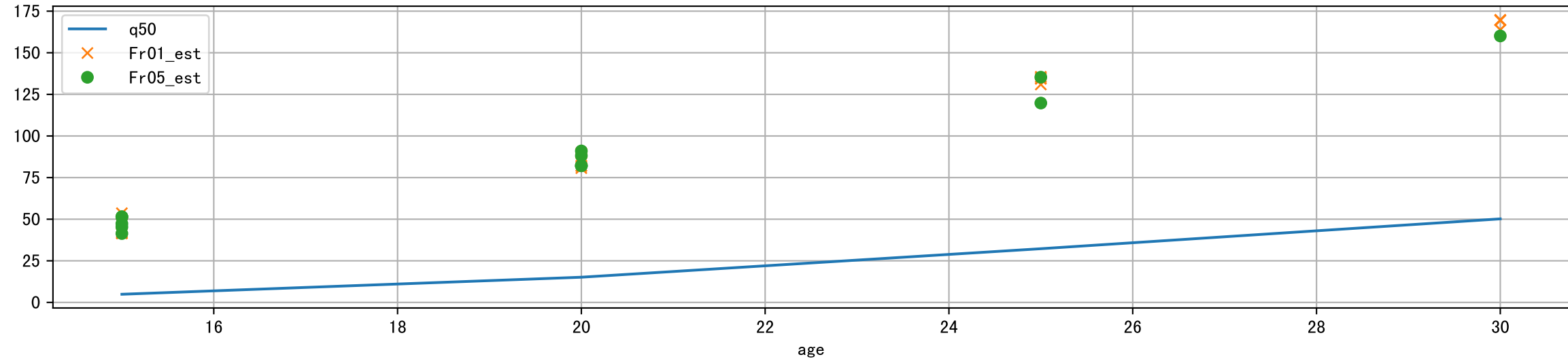
age=15



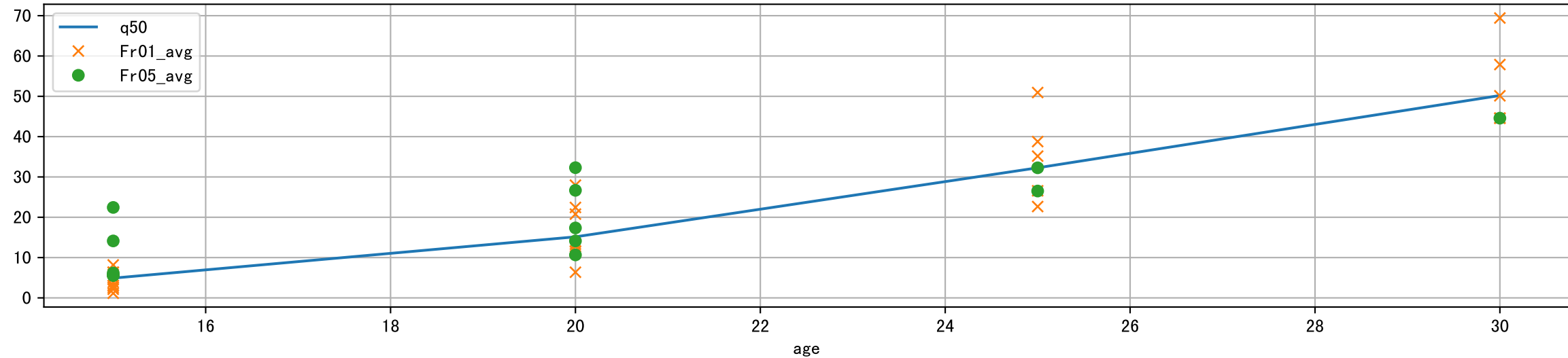
age=20

organID
age=25organID
age=30

FrV: model Est vs obsFrV at Q90

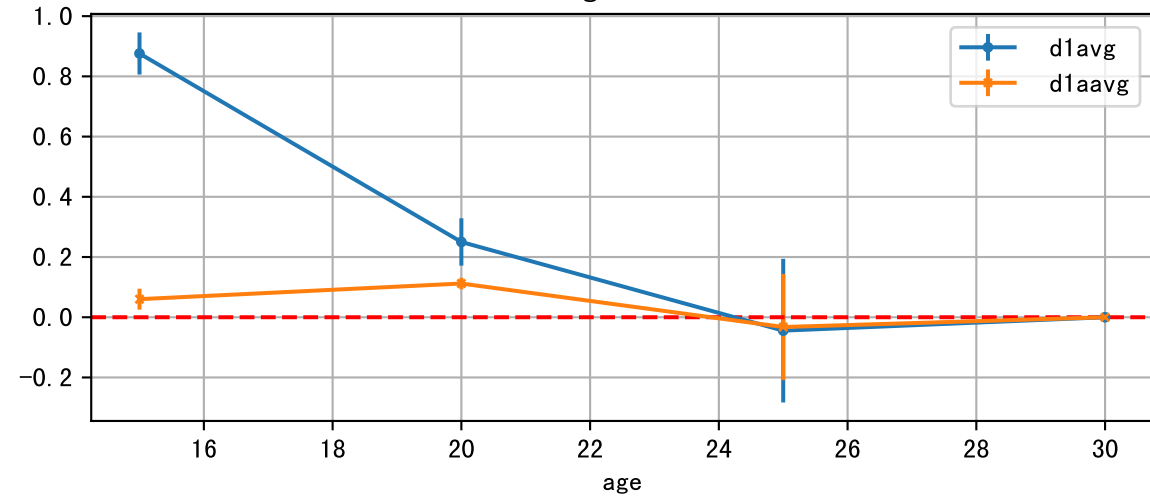


FrV: obsFrV vs obsFrV@Q90

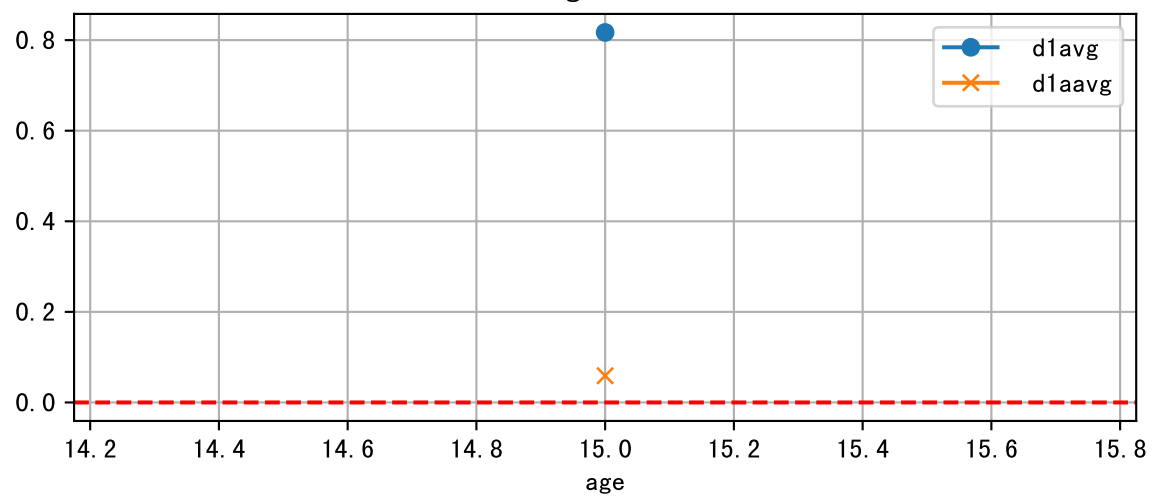


FrV: D_Fr1_FrV

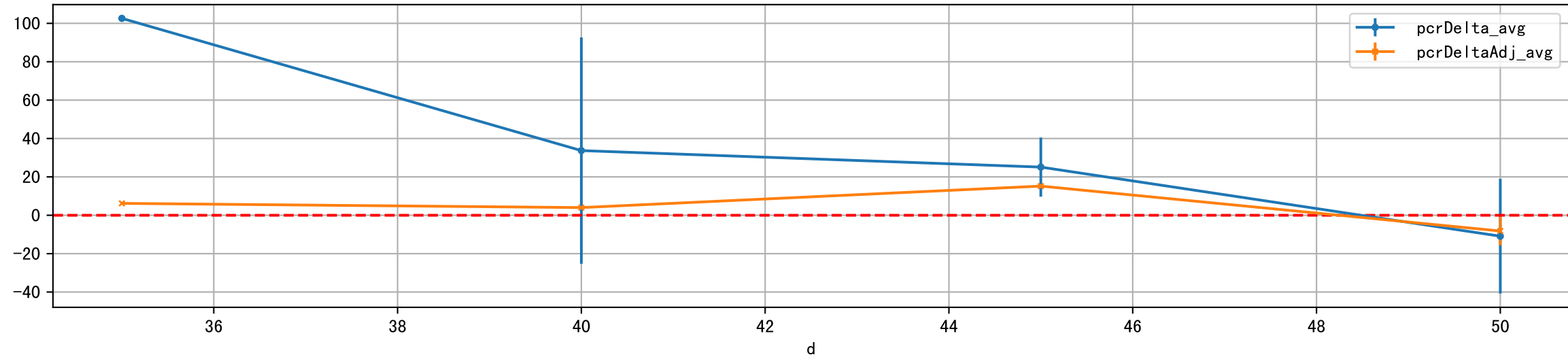
organID=1



organID=2

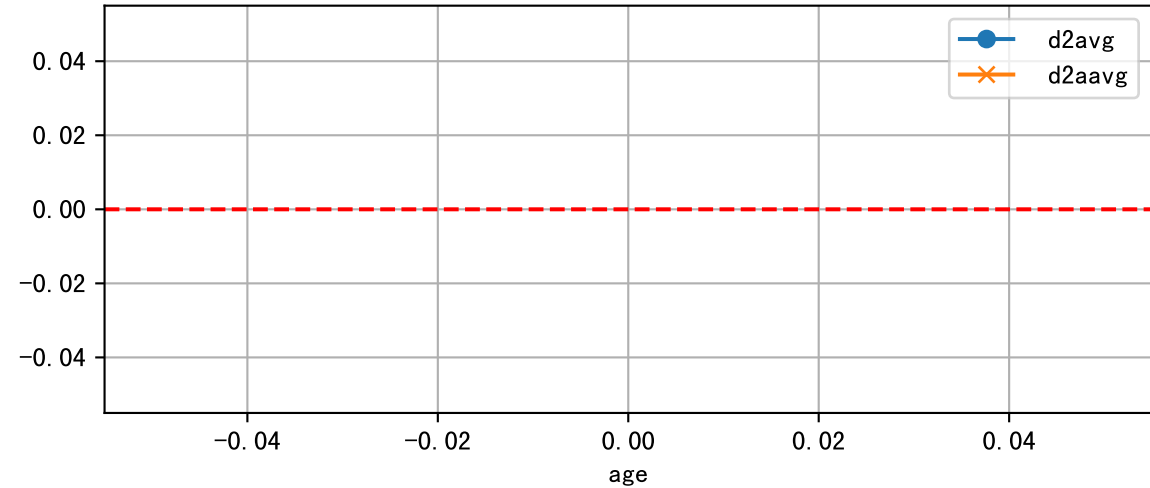


P9AW FrV: D_Fr1_FrV

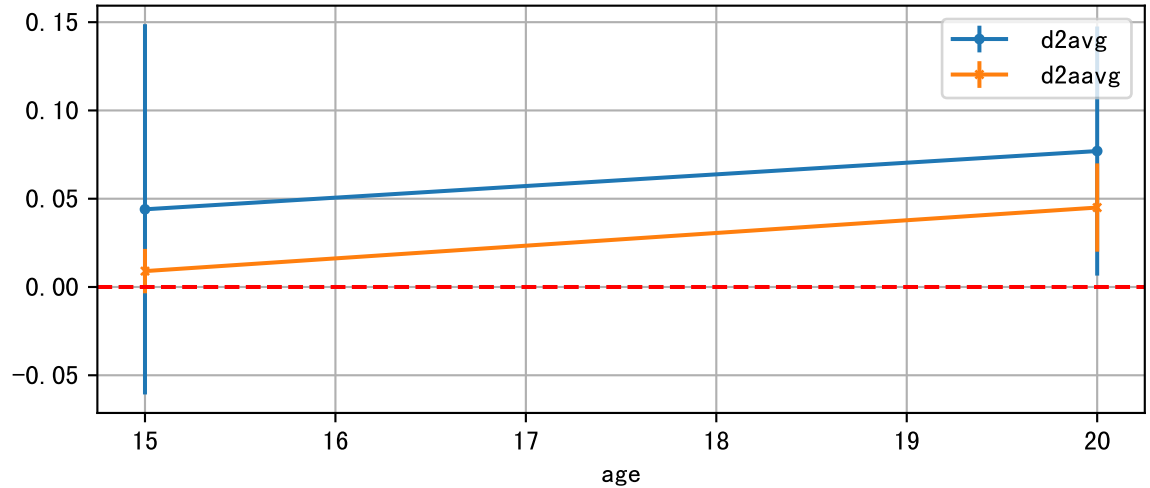


FrV: D_Ts_FrV

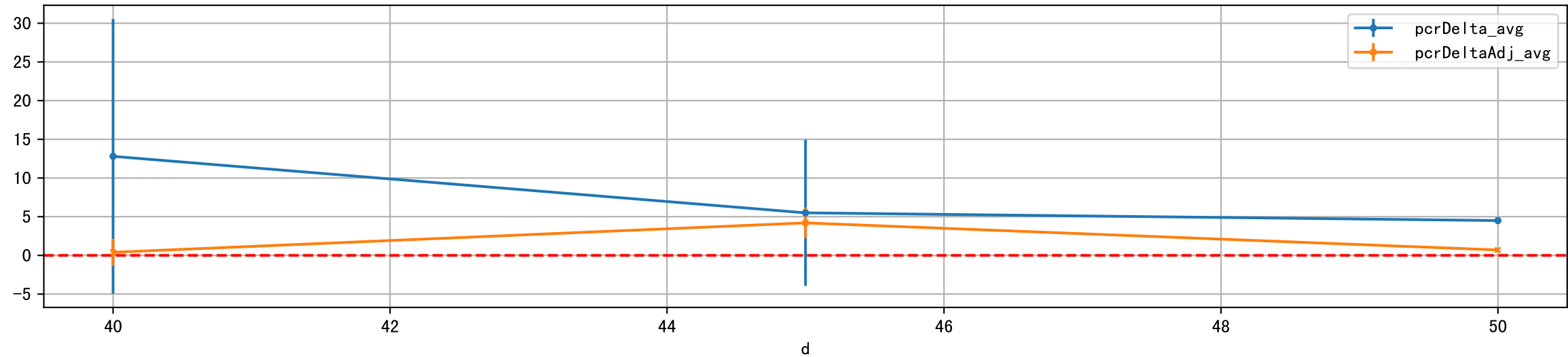
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organID=2

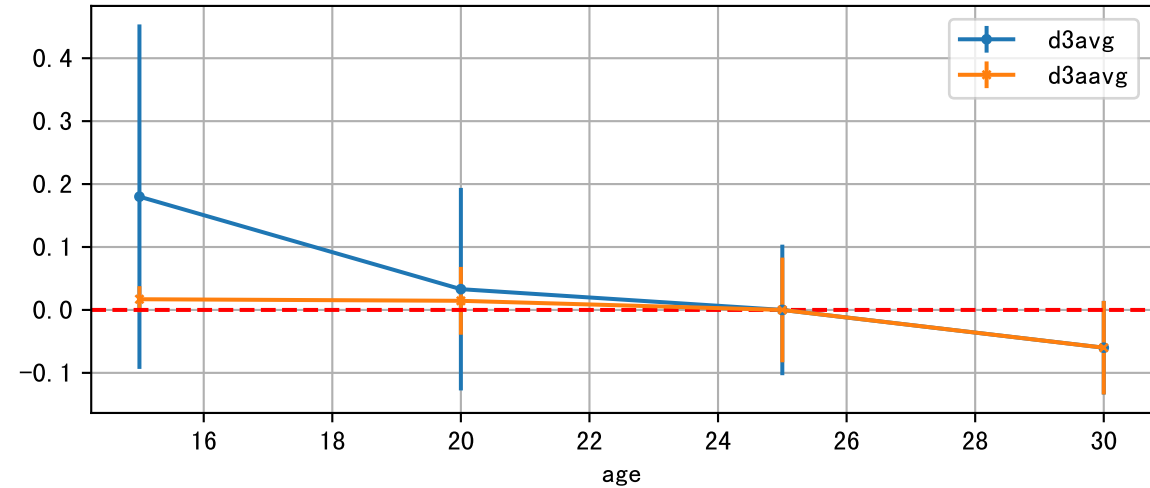


P9AW FrV: D_Ts_FrV

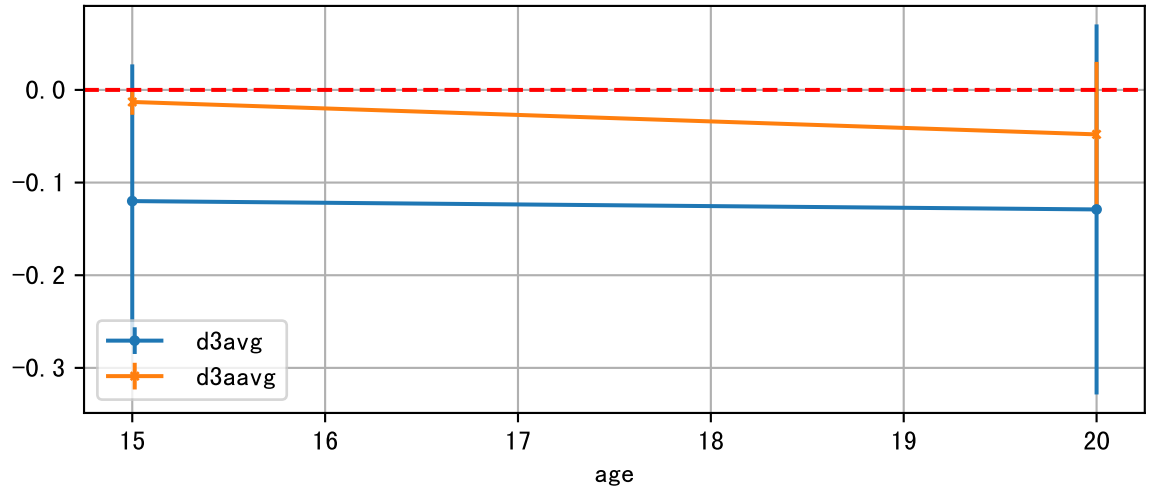


FrV: D_Q50_FrV

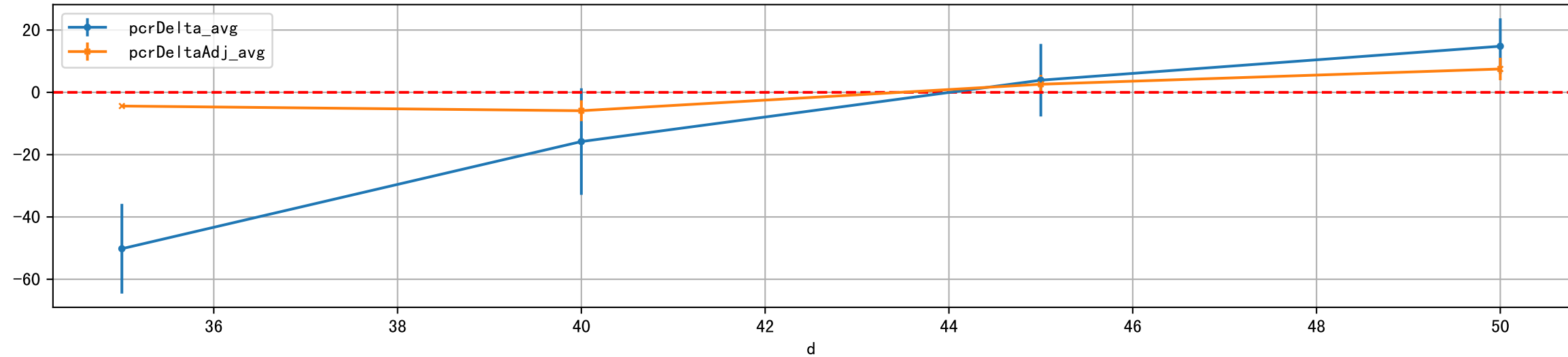
organID=1



organID=2

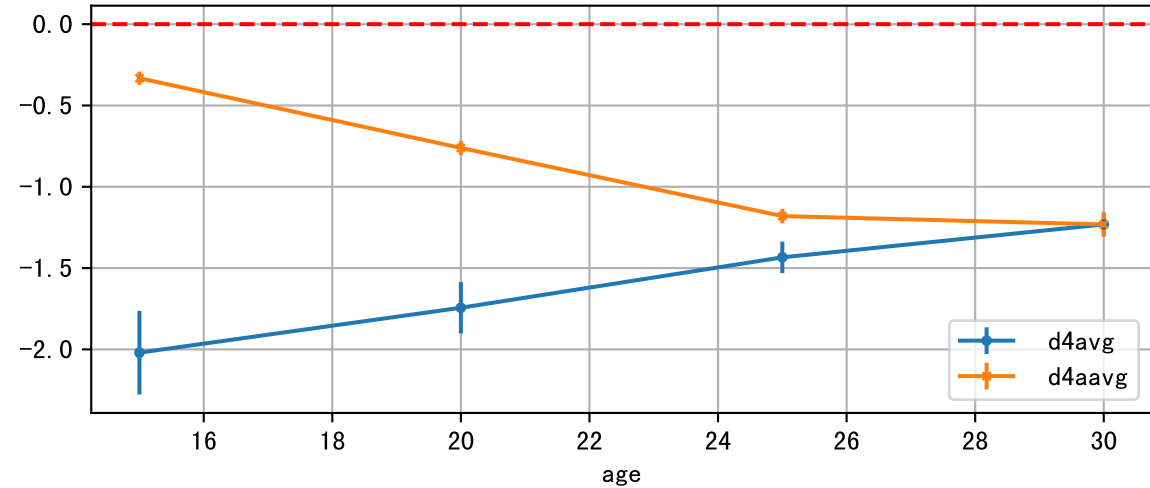


P9AW FrV: D_Q50_FrV

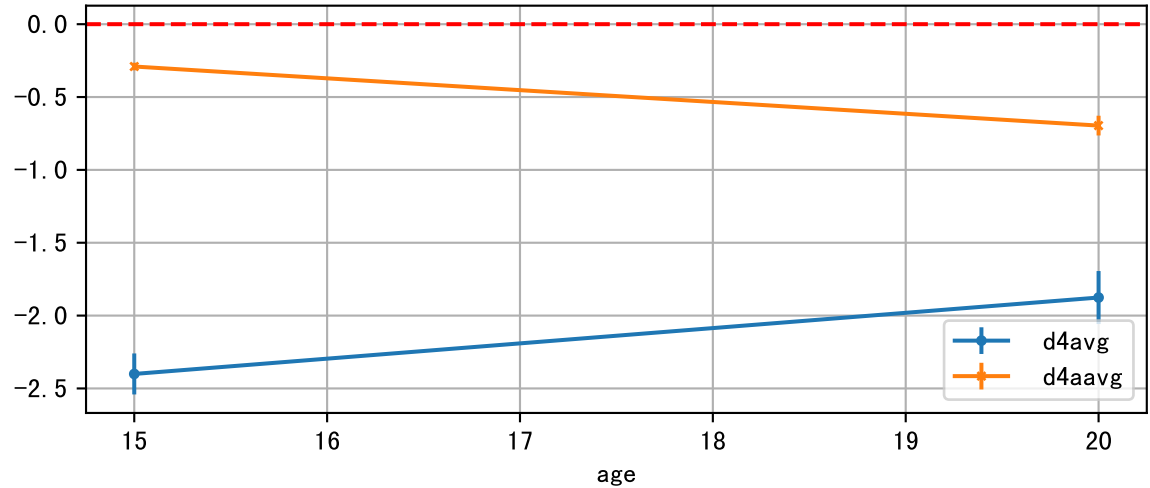


FrV: D_Est_FrV

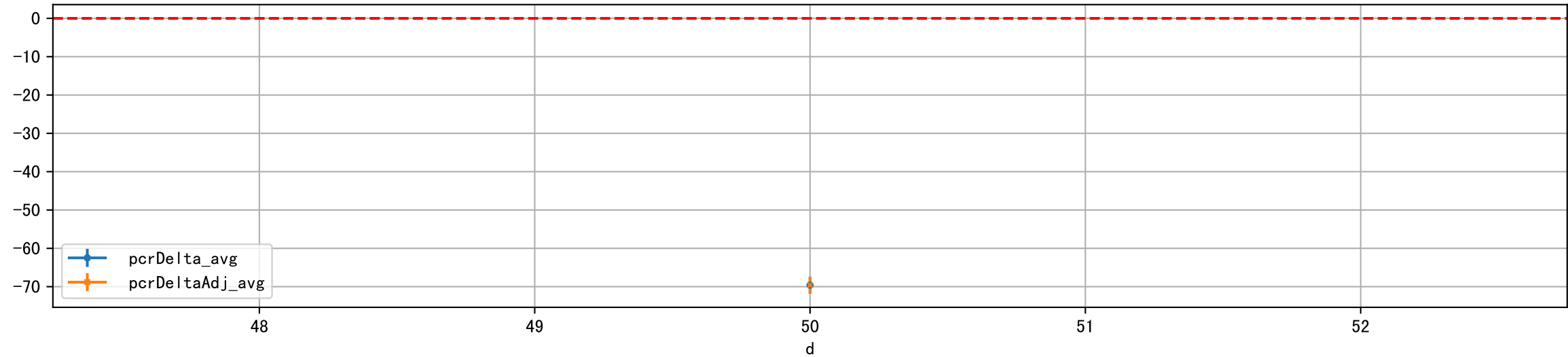
organID=1



organID=2



P9AW FrV: D_Est_FrV



P9AW FrV: sfDem

