

Phenotype Data Analysis Plots

PhenoData day range = 10 – 48

Analysis cutoff day = 48

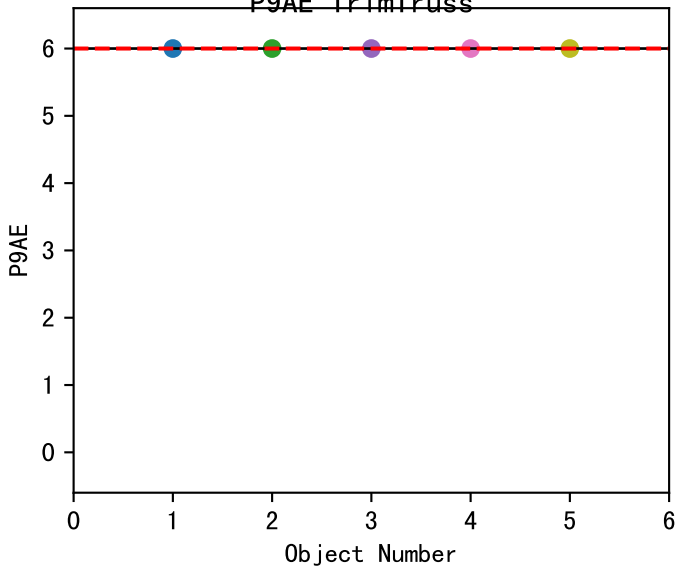
NC11 P9

2025-05-19 (Day 49)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

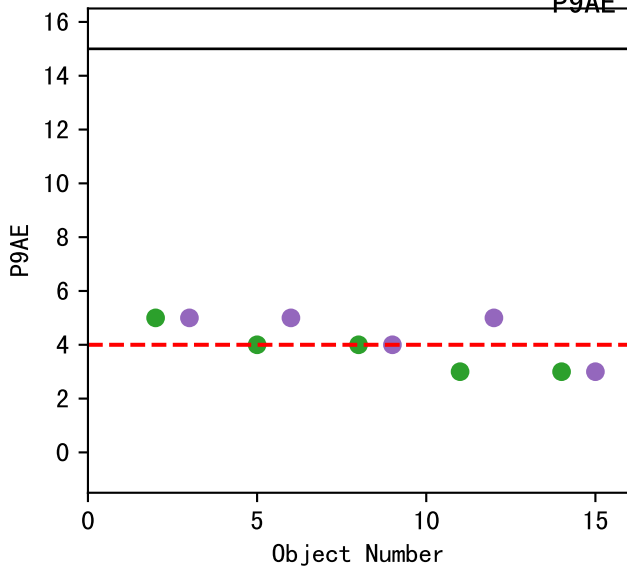
P9AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=4)

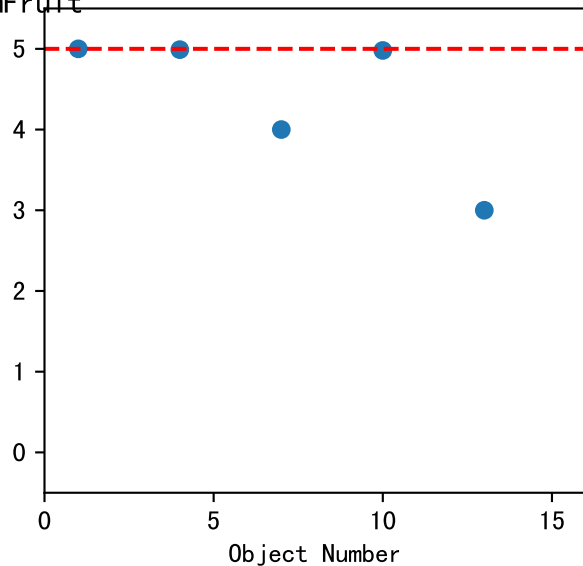
avg1=4.0~22% avg2=na

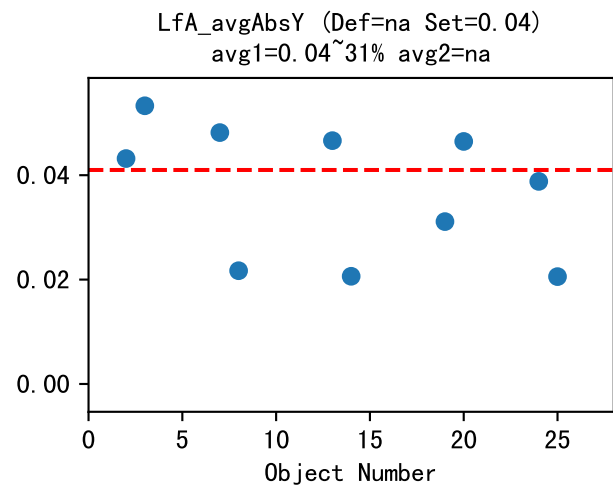
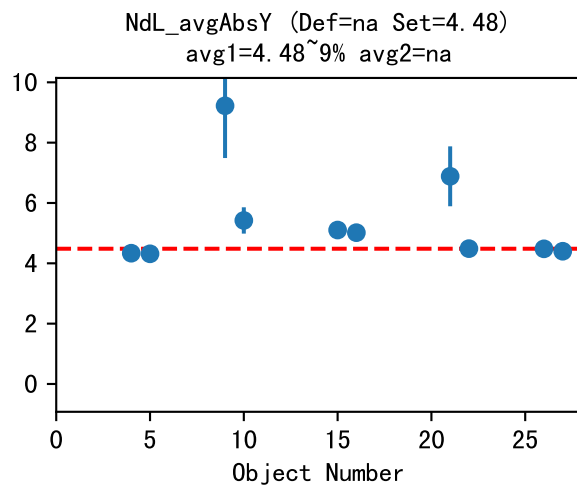
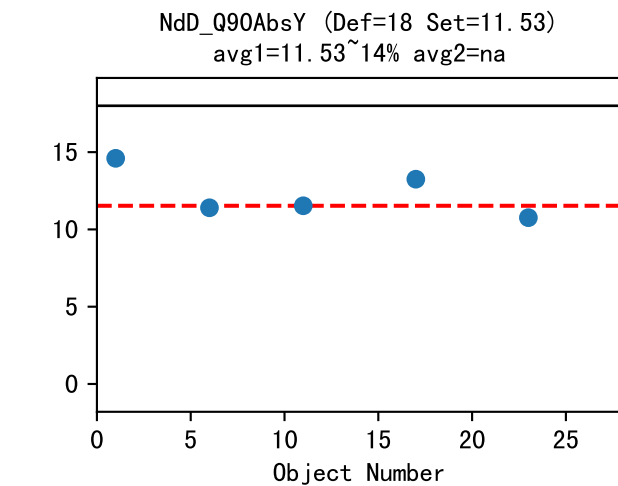
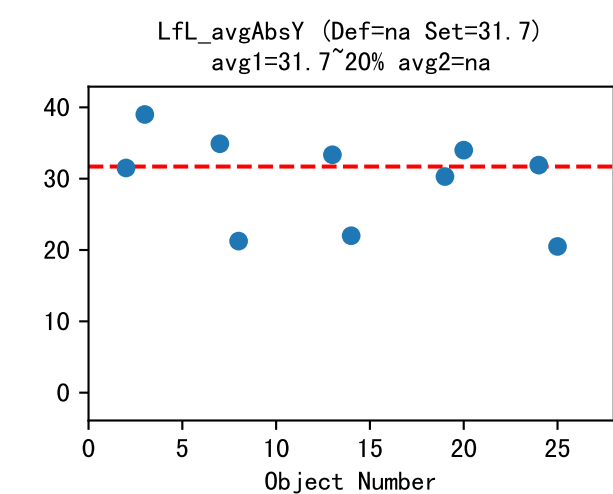
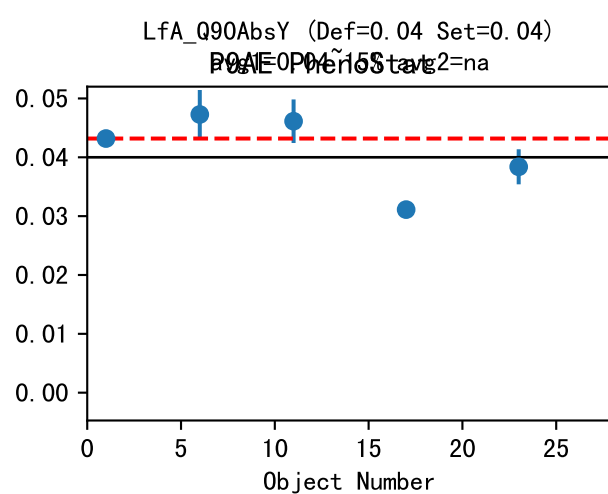
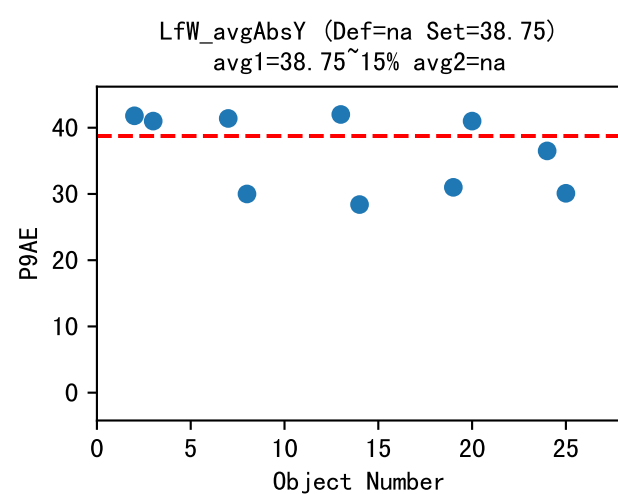
P9AE TrimFruit



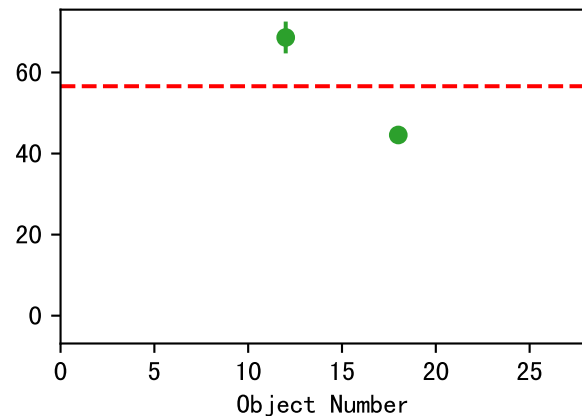
FruitNumMaxPerTruss (Def=na Set=5)

avg1=5.0~18% avg2=na

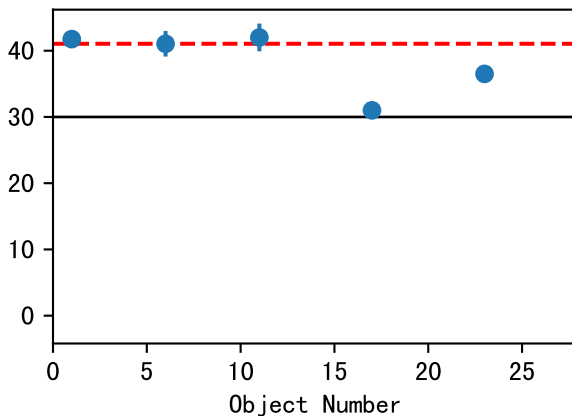




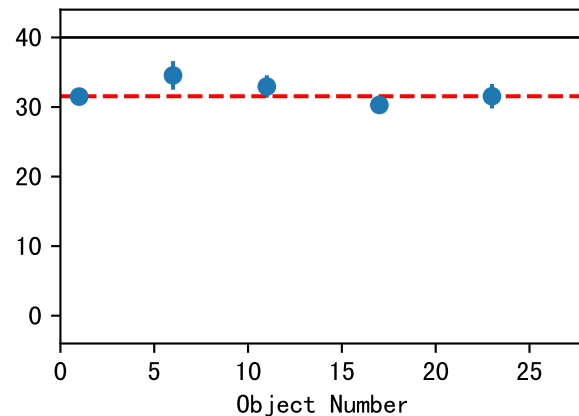
FrV_avgAbsY (Def=na Set=na)
avg1=56.61~30% avg2=na



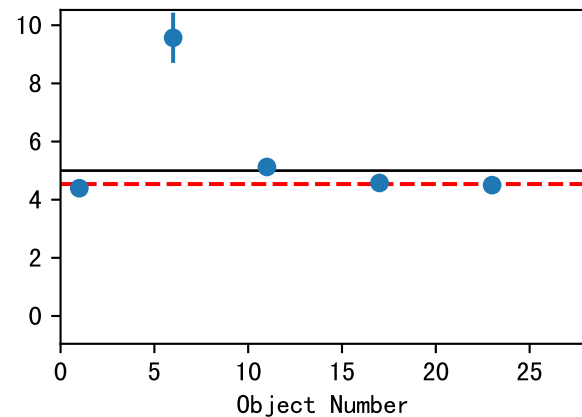
LfW_Q90AbsY (Def=30 Set=41.05)
avg1=41.05~18% avg2=na



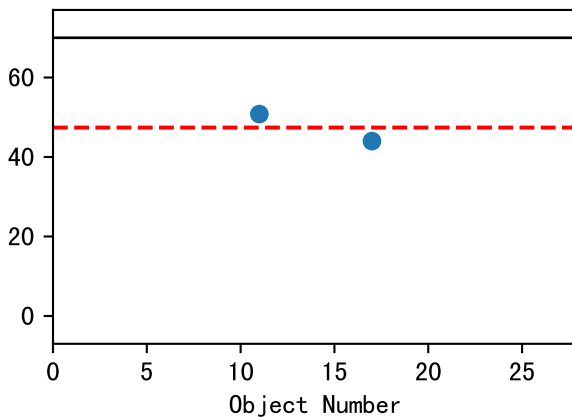
LfL_Q90AbsY (Def=40 Set=31.55)
avg1=31.55~5% avg2=na



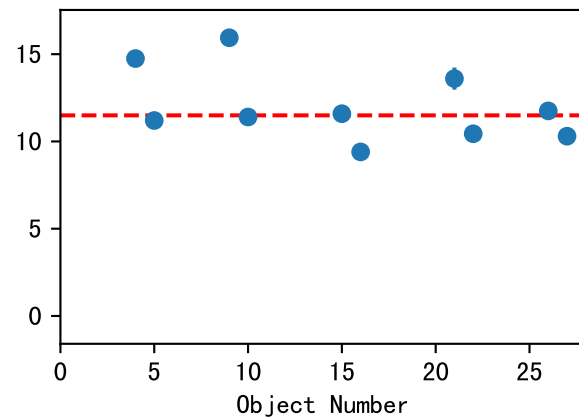
NdL_Q90AbsY (Def=5 Set=4.54)
avg1=4.54~7% avg2=na



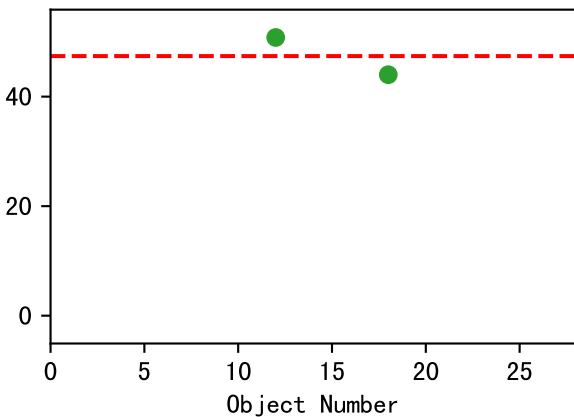
FrD_Q90AbsY (Def=70 Set=70)
avg1=47.4~10% avg2=na



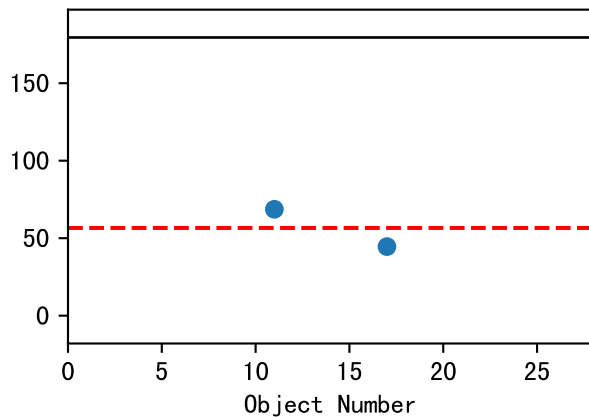
NdD_avgAbsY (Def=na Set=11.49)
avg1=11.49~18% avg2=na



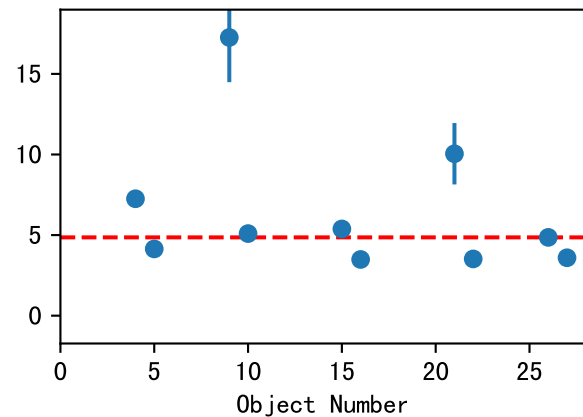
FrD_avgAbsY (Def=na Set=na)
avg1=47.4~10% avg2=na



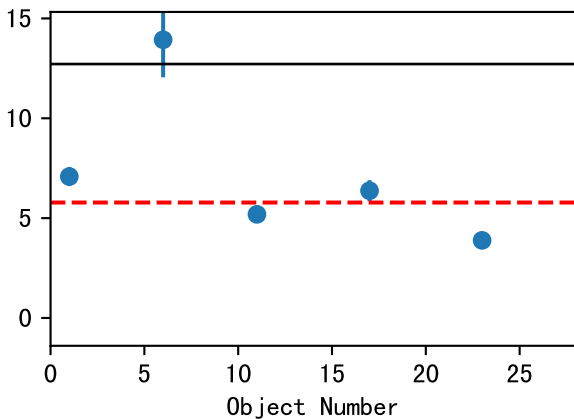
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=50.1~38% avg2=na



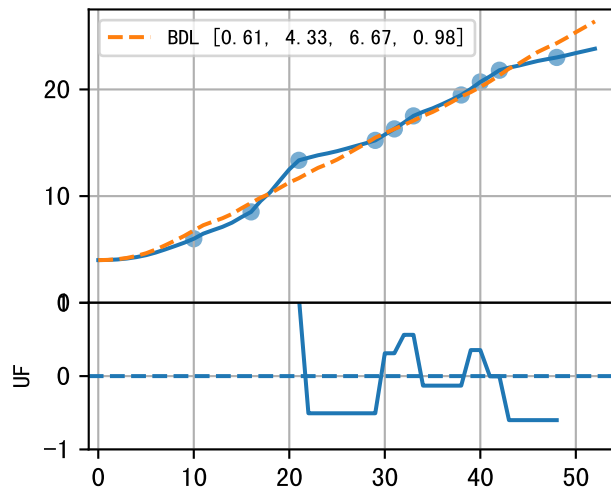
NdV_avgAbsY (Def=na Set=4.86)
avg1=4.86~44% avg2=na



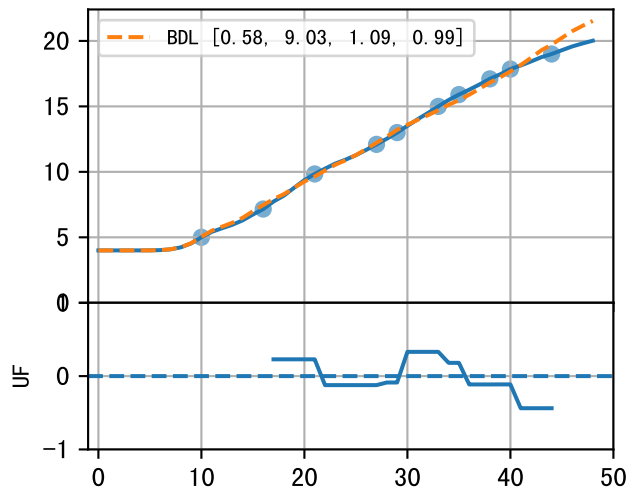
NdV_Q90AbsY (Def=12.72 Set=5.78)
avg1=5.78~24% avg2=na



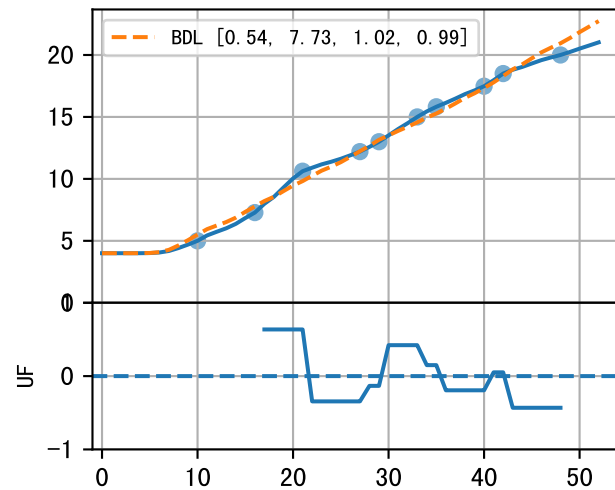
P9AE-065-3 (fit failed)



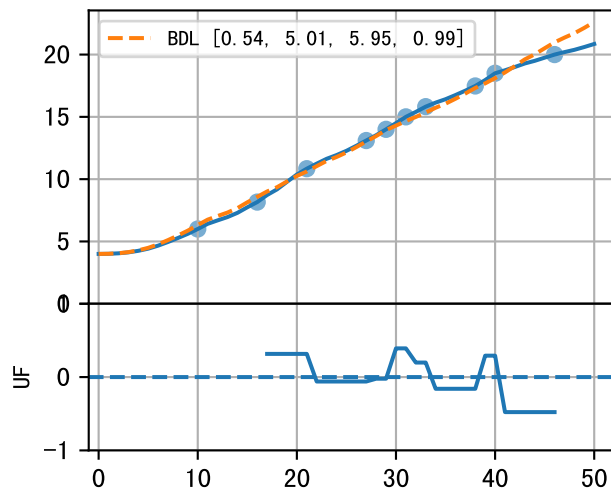
P9AE-077-12 (fit failed)



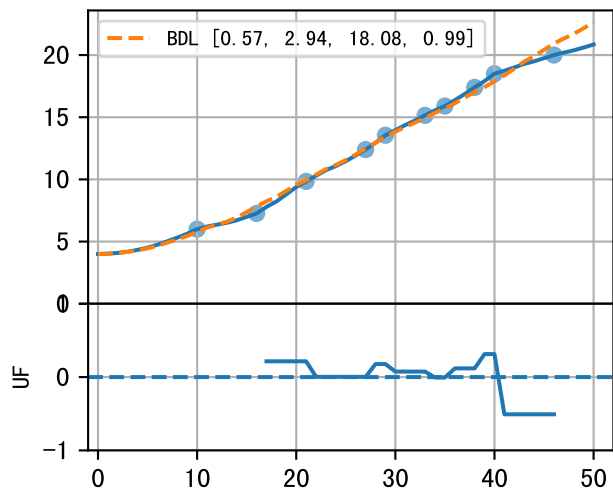
P9AE-089-25 (fit failed)



P9AE-100-19 (fit failed)



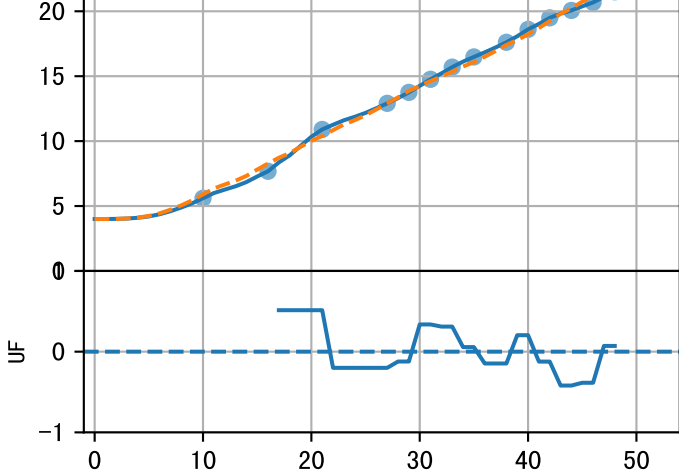
P9AE-111-7 (fit failed)



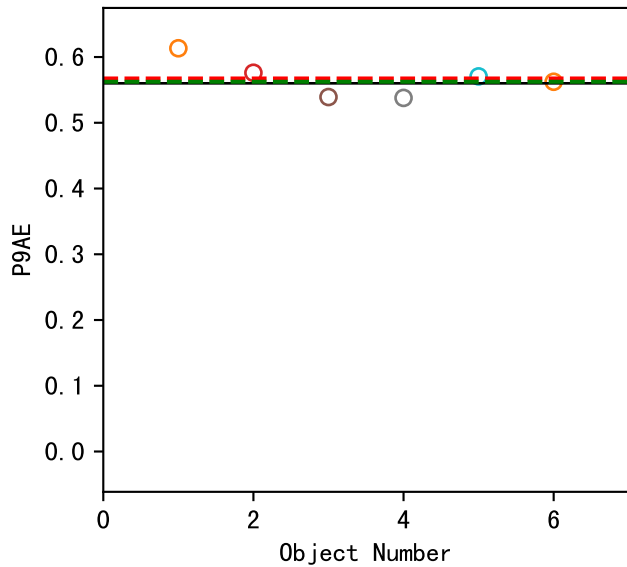
P9AEavg (fit failed)

NdN

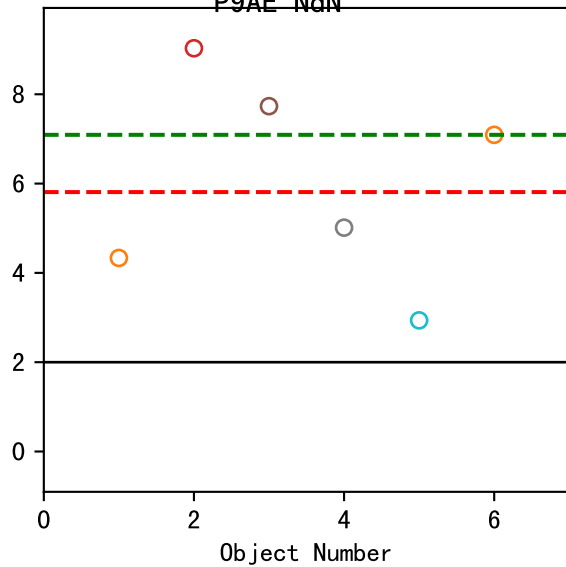
BDL [0.56, 7.09, 3.75, 0.99]



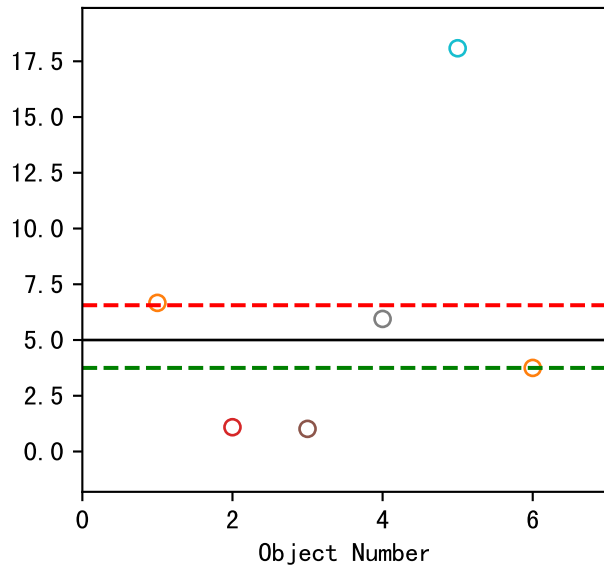
a (Def=0.56 Set=0.56)
avg1=0.57(fail) avg2=0.56



dm (Def=2 Set=7.09)
avg1=5.81(fail) avg2=7.09

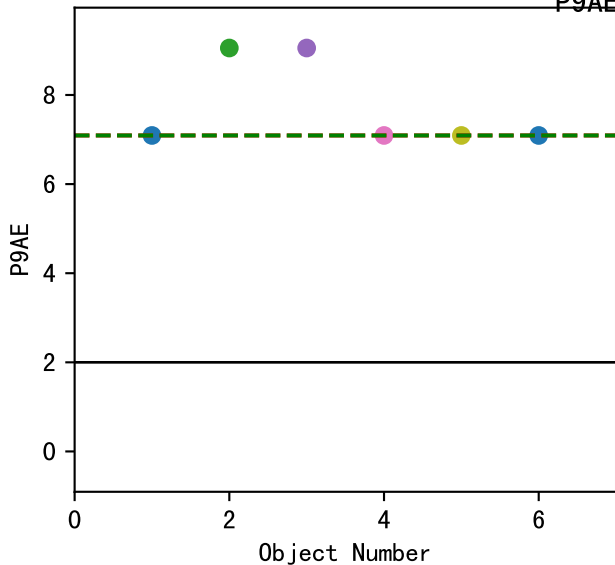


de (Def=5 Set=3.75)
avg1=6.56(fail) avg2=3.75



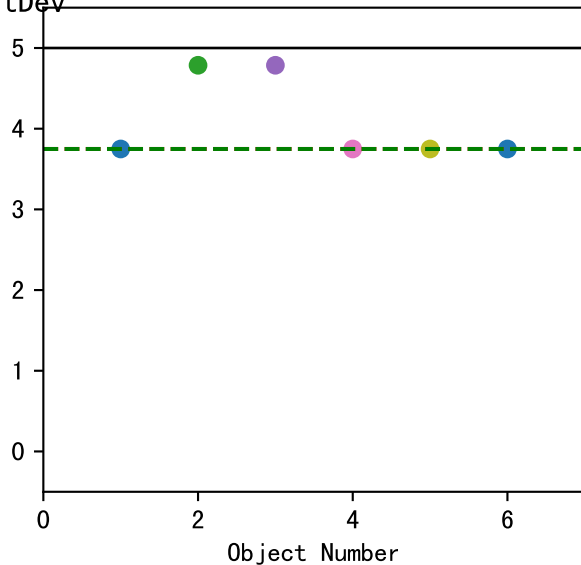
InitDev_dm (Def=2 Set=7.09)
avg1=7.09~15% avg2=7.09

P9AE

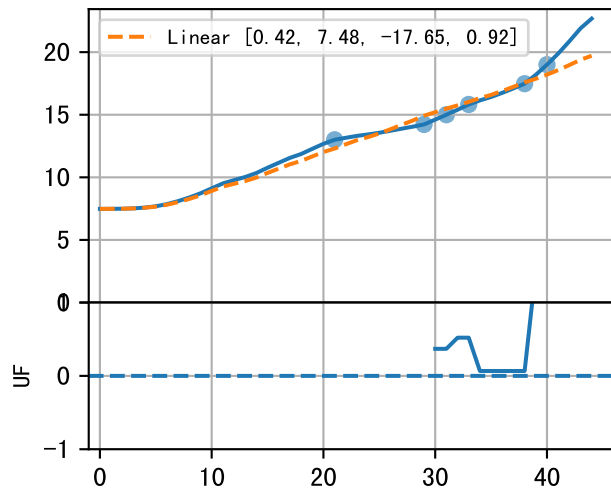


InitDev_de (Def=5 Set=3.75)
avg1=3.75~15% avg2=3.75

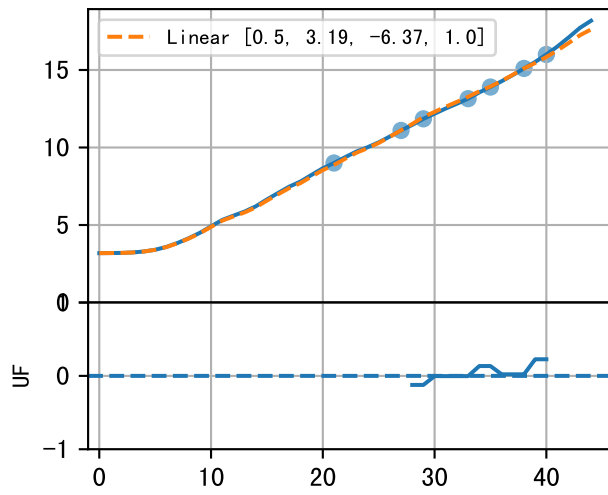
InitDev



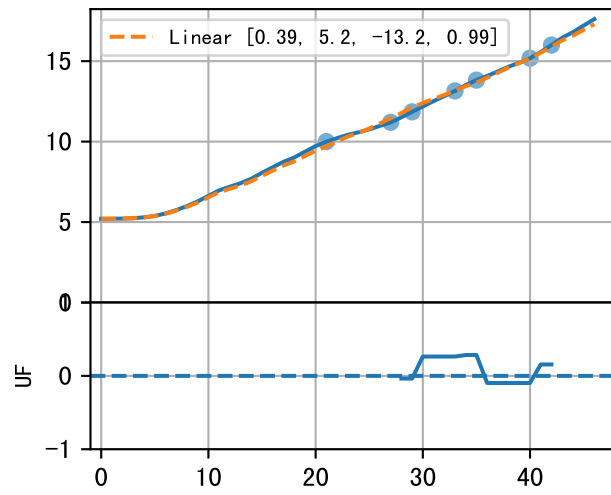
P9AE-065-3



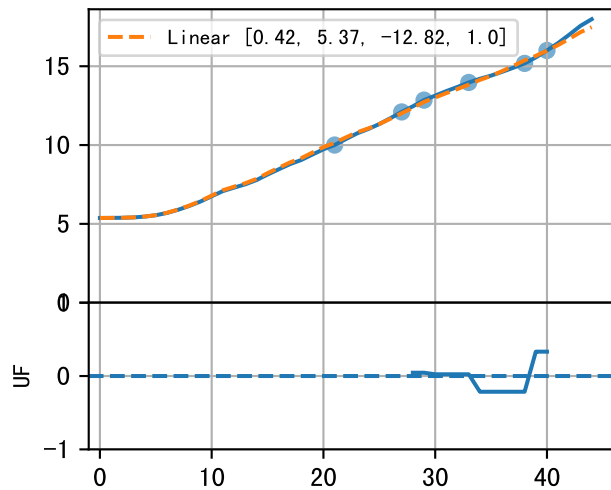
P9AE-077-32



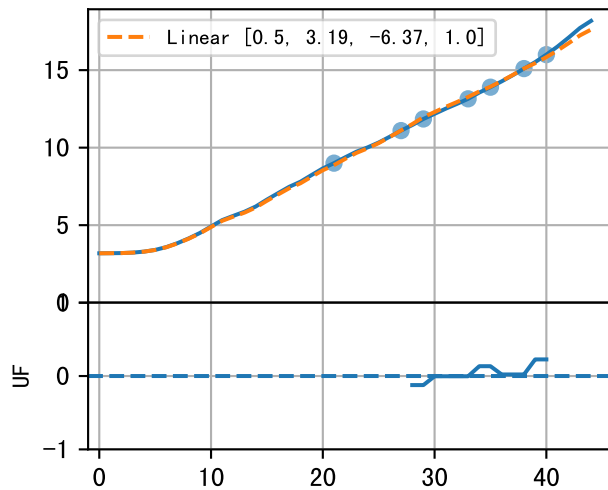
P9AE-089-25



P9AE-100-19



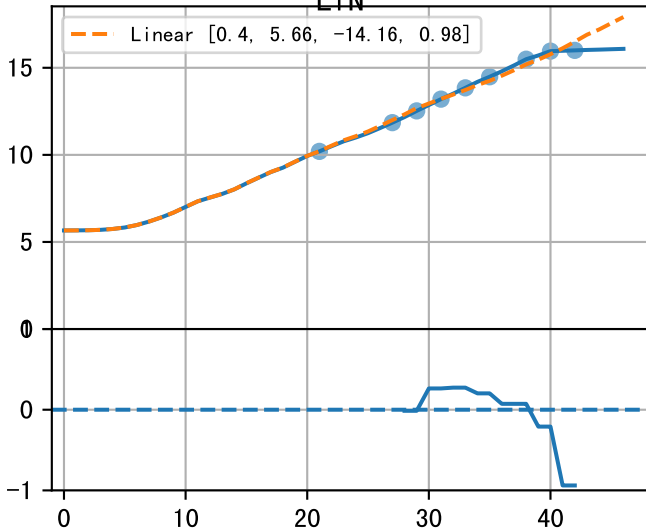
P9AE-111-7



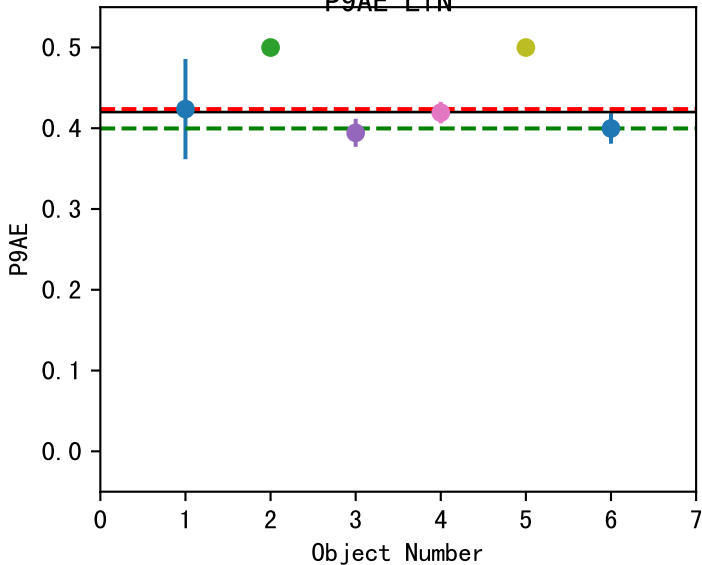
P9AEavg
L_fN

Linear [0.4, 5.66, -14.16, 0.98]

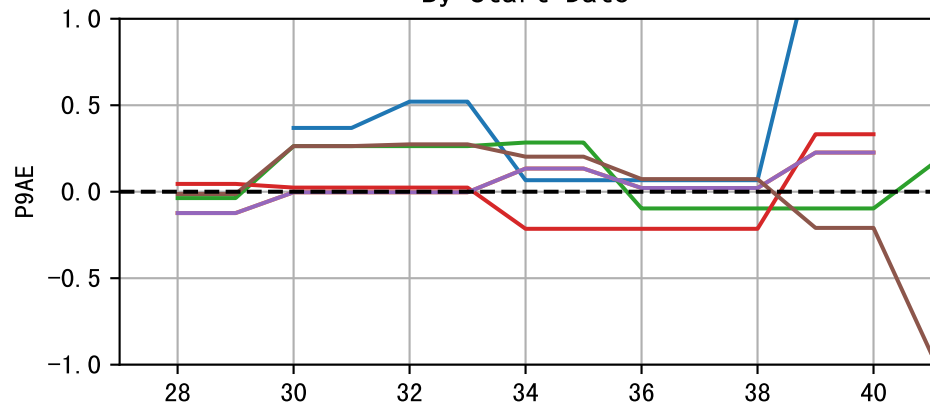
UF



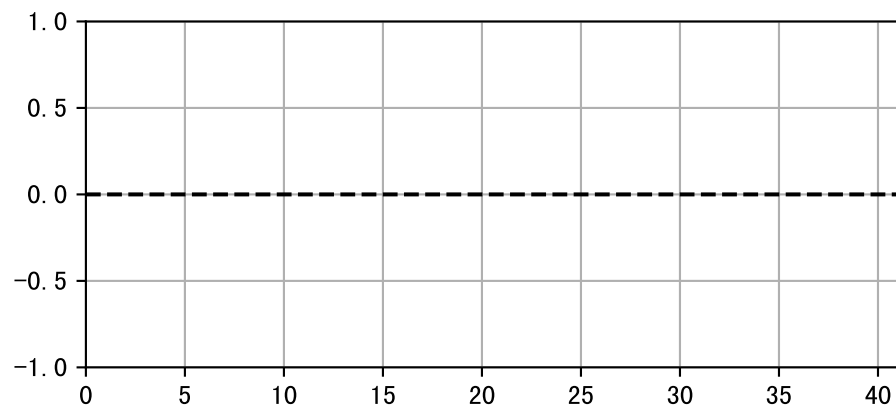
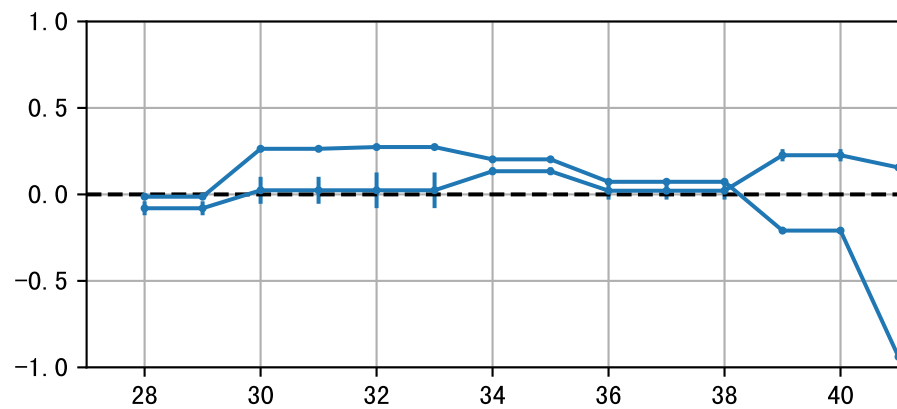
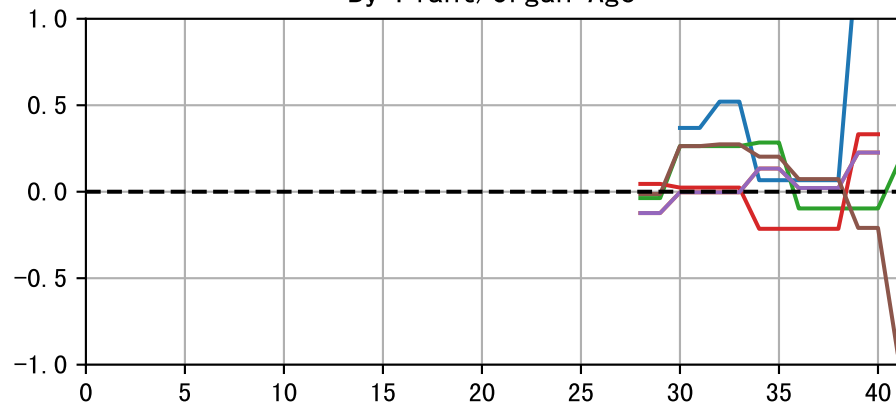
a (Def=0.42 Set=0.4)
avg1=0.42~12% avg2=0.4~11%
P9AE LfN



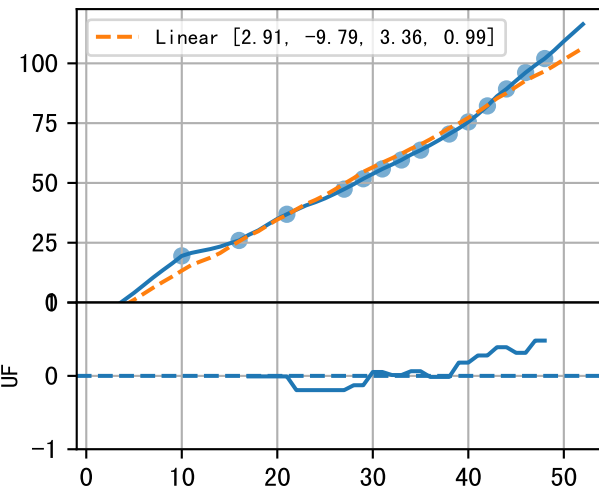
By Start Date



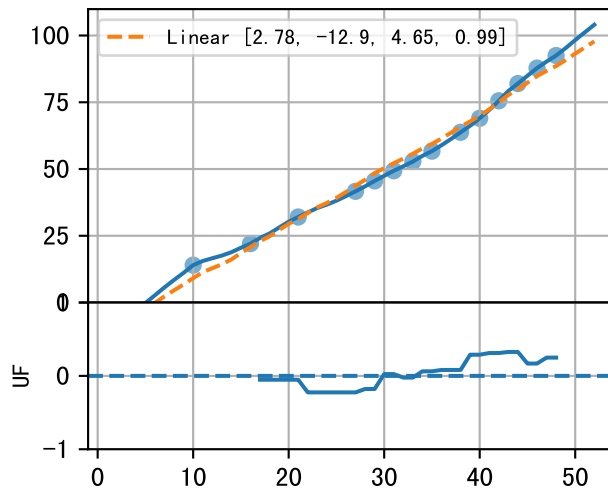
By Plant/Organ Age



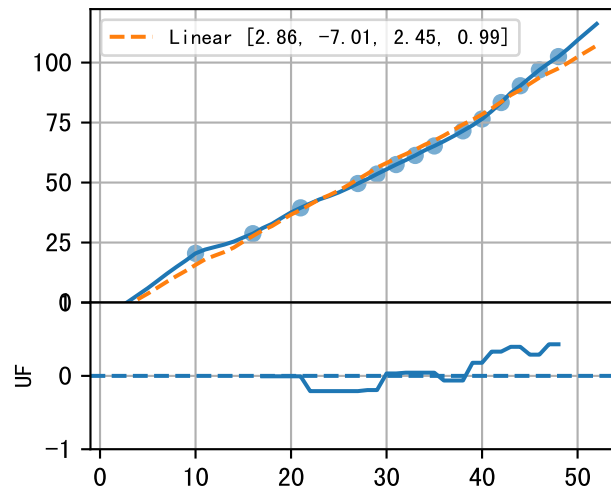
P9AE-065-3



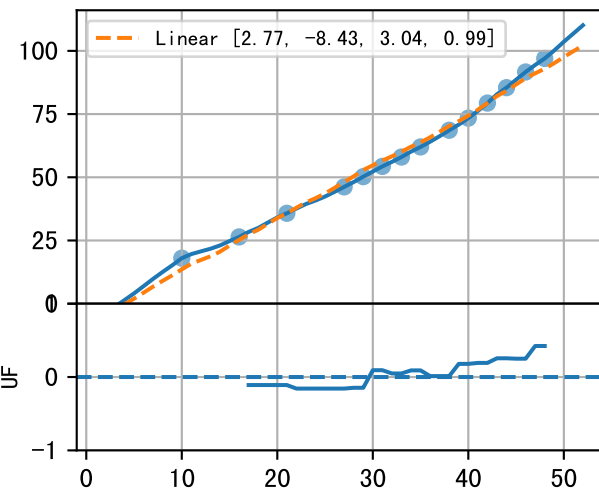
P9AE-077-32



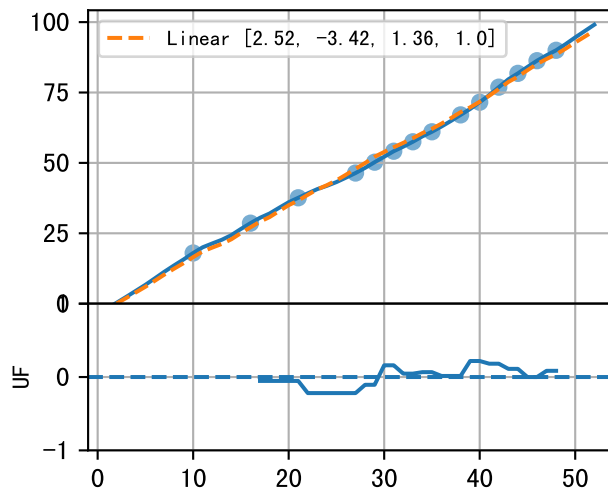
P9AE-089-25



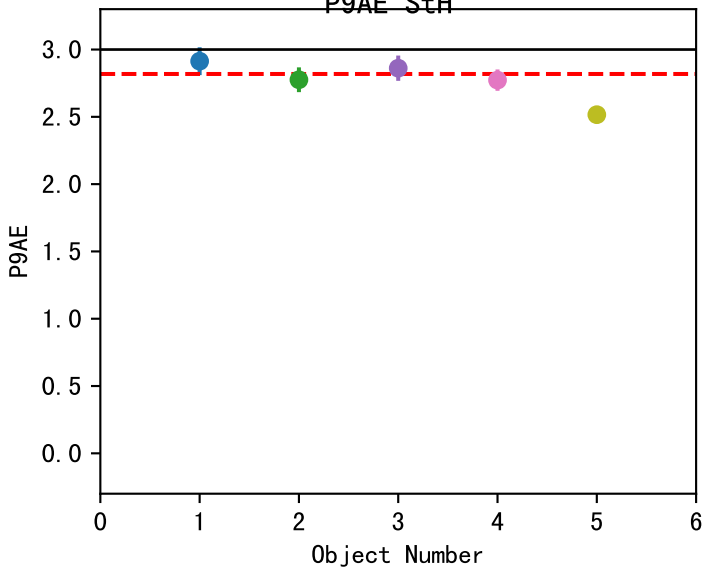
P9AE-100-19



P9AE-111-7

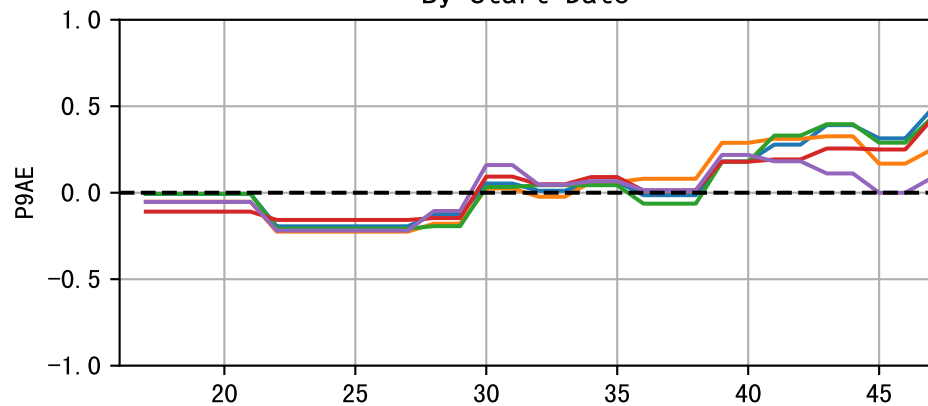


a (Def=3 Set=2.82)
avg1=2.82~2% avg2=na

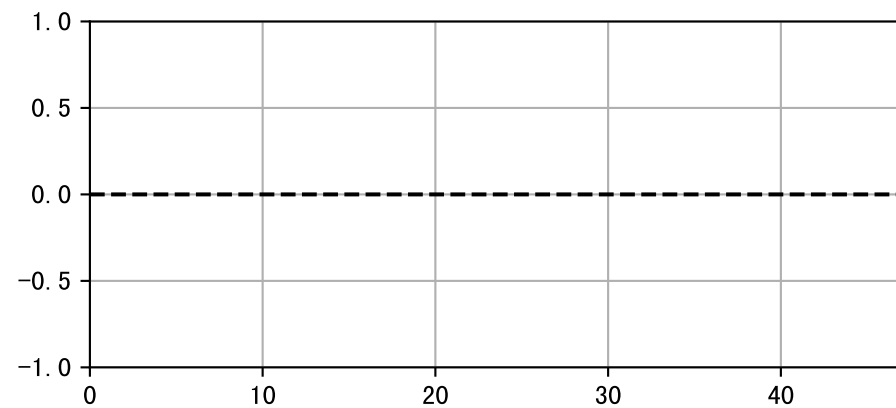
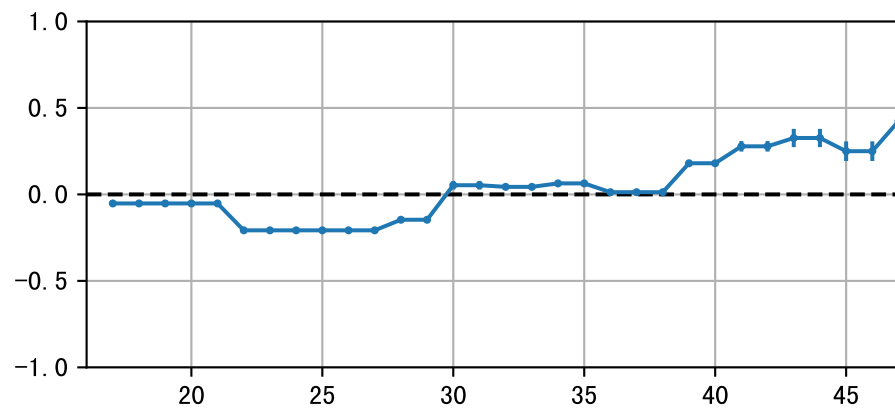
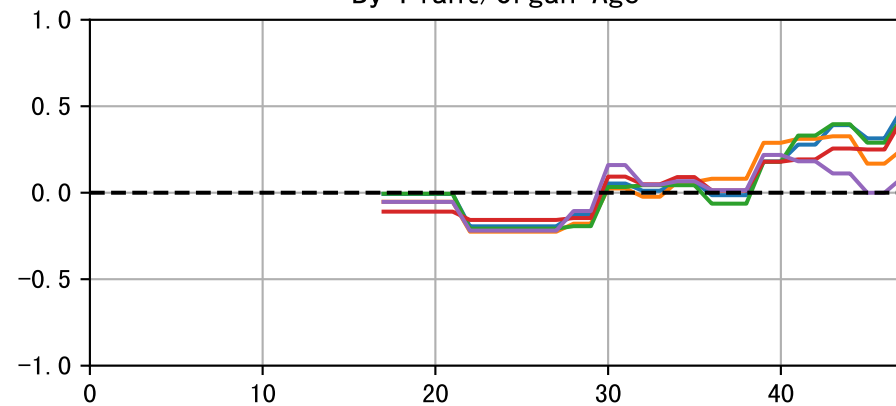


StH

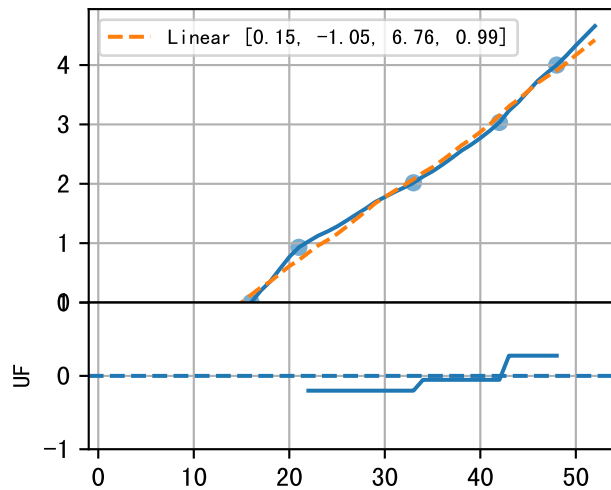
By Start Date



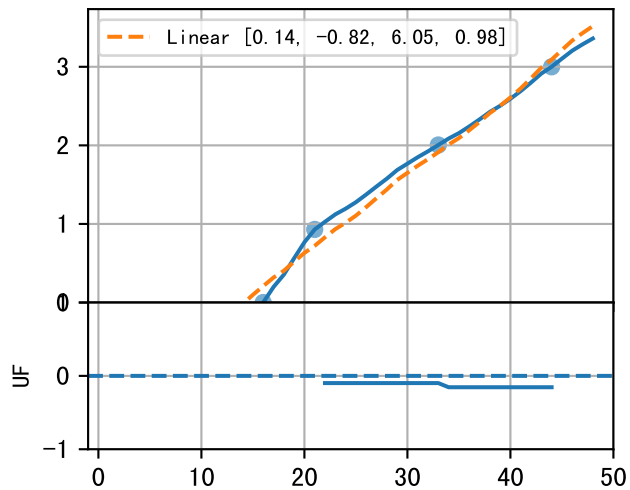
By Plant/Organ Age



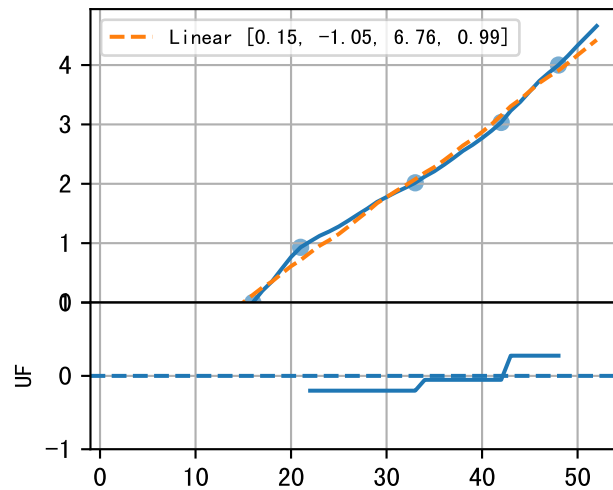
P9AE-065-3



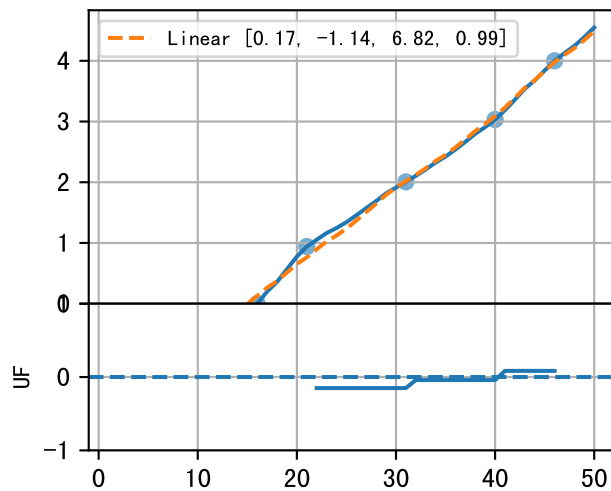
P9AE-077-32



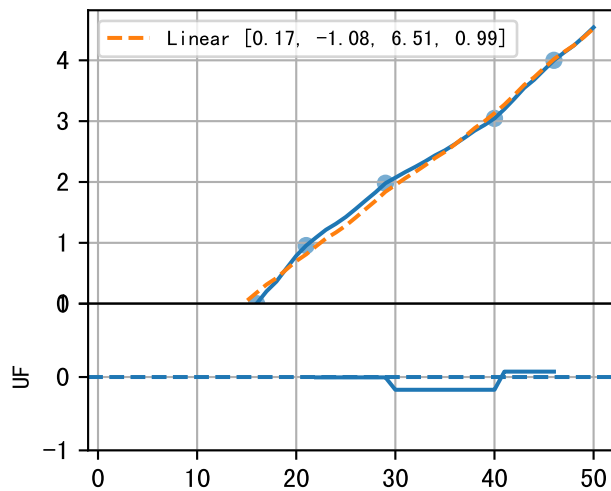
P9AE-089-25



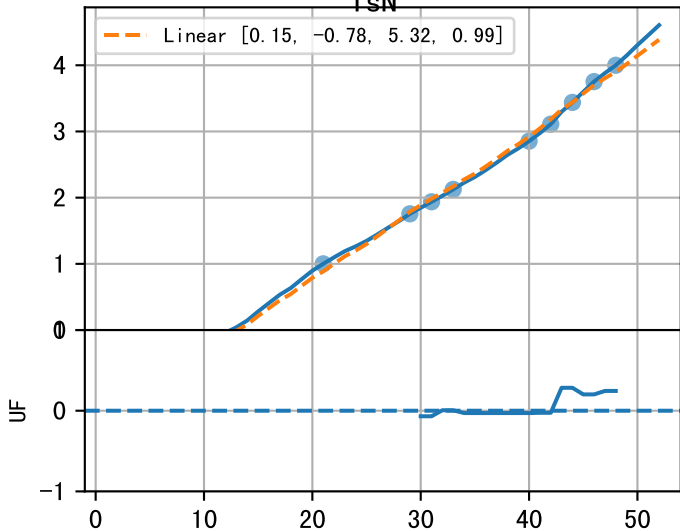
P9AE-100-19



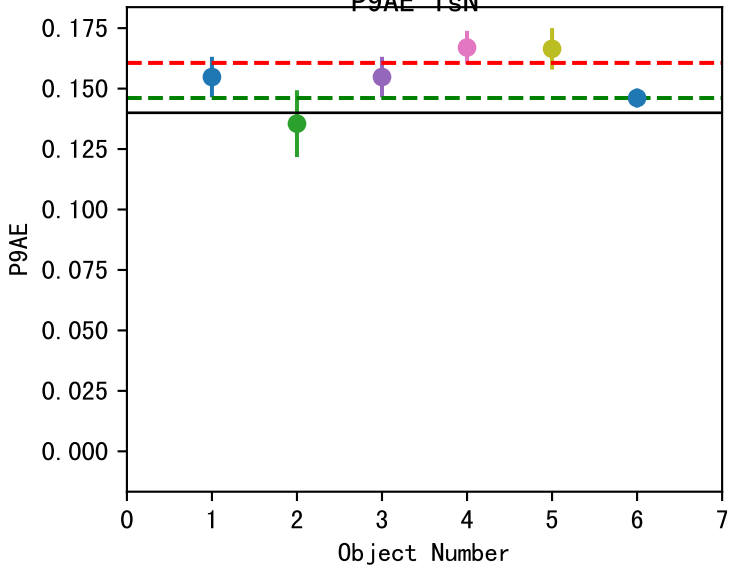
P9AE-111-7



P9AEavg
T_{SN}

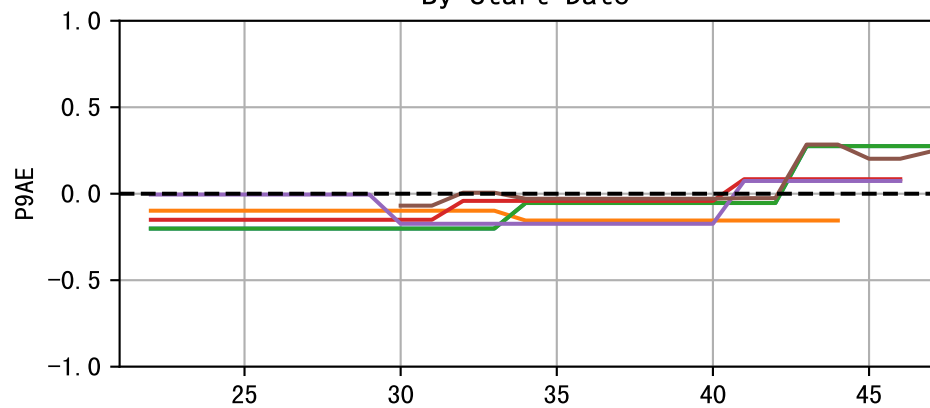


a (Def=0.14 Set=0.15)
avg1=0.16 $\sim$ 4% avg2=0.15 $\sim$ 6%
P9AE TSN

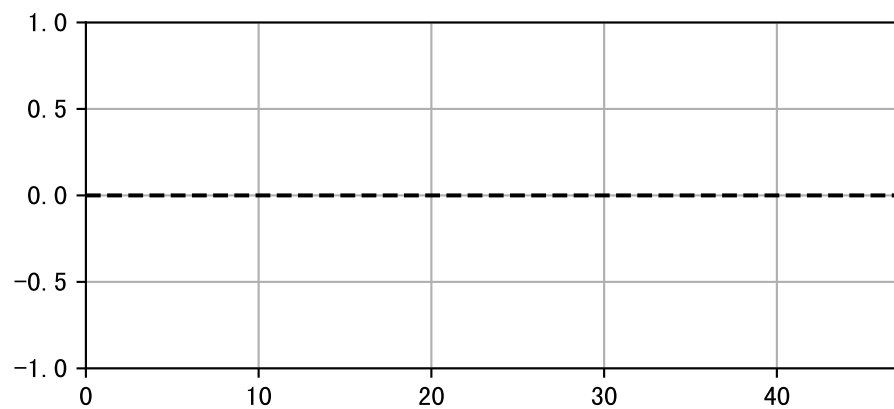
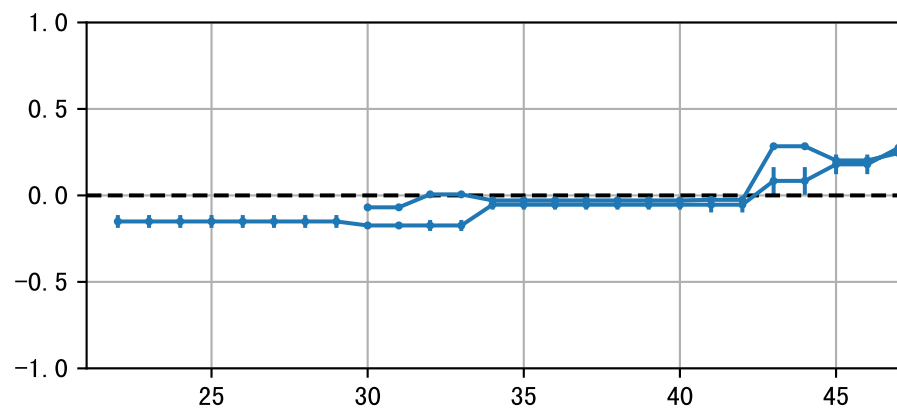
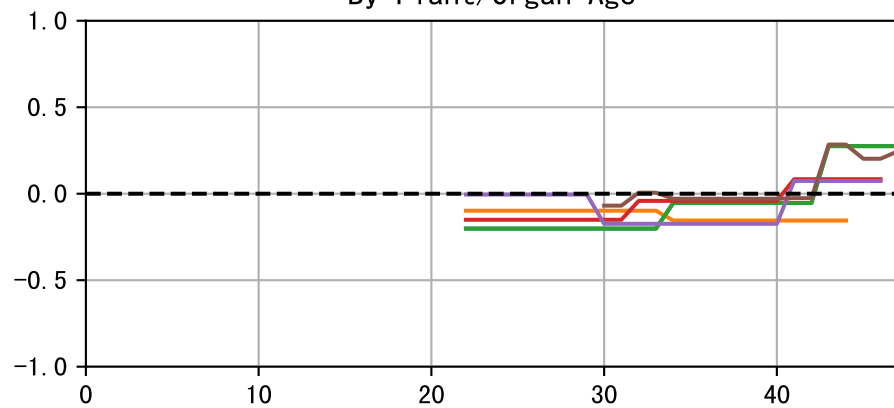


TsN

By Start Date

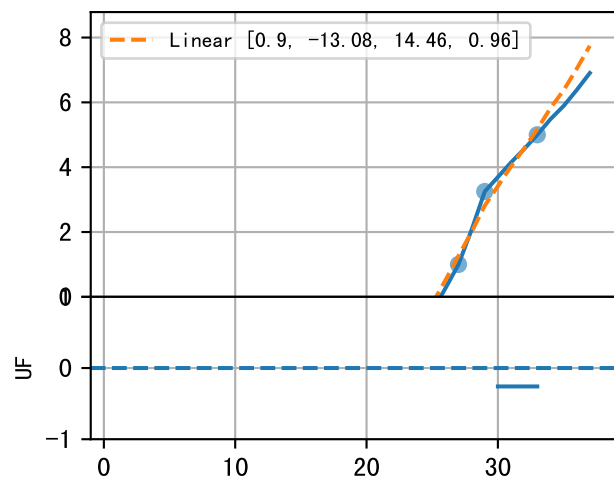


By Plant/Organ Age

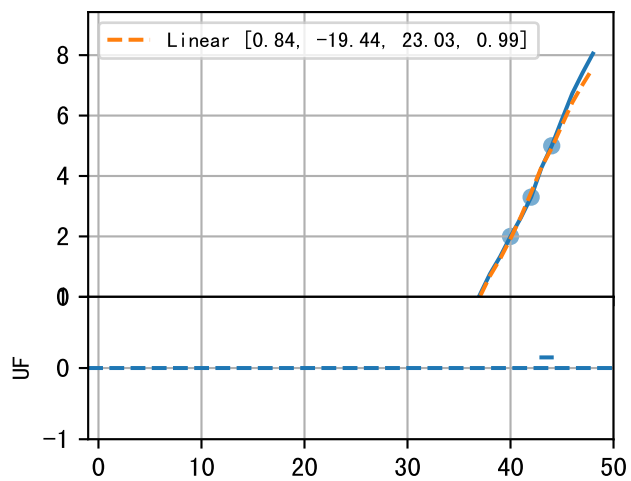


ErN

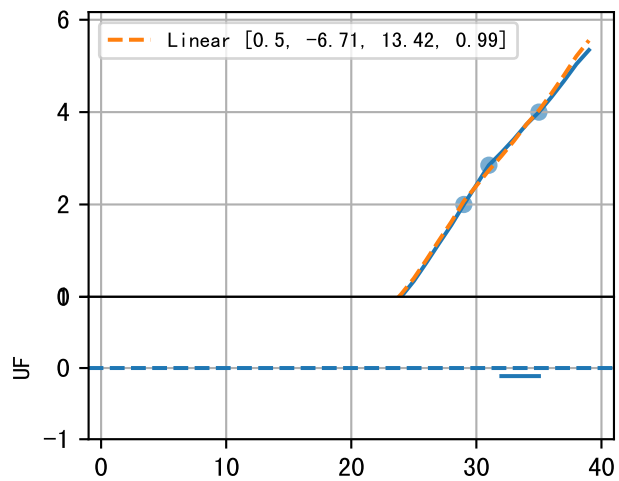
P9AE-065-3T1



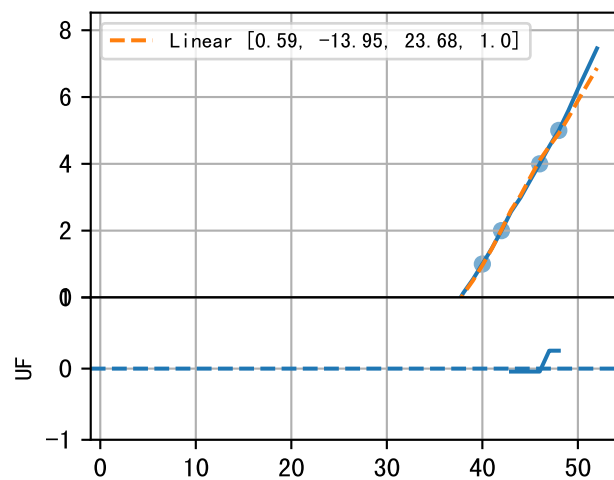
P9AE-065-3T2



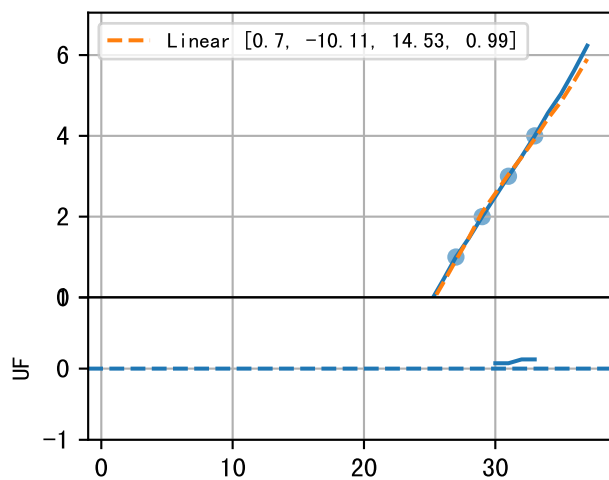
P9AE-077-32T1



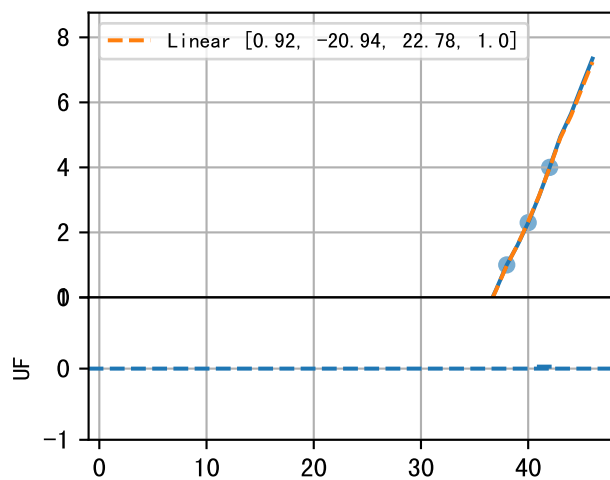
P9AE-077-32T2



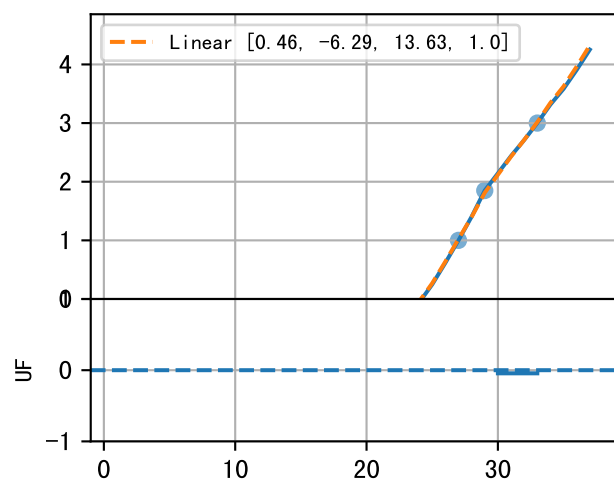
P9AE-089-25T1



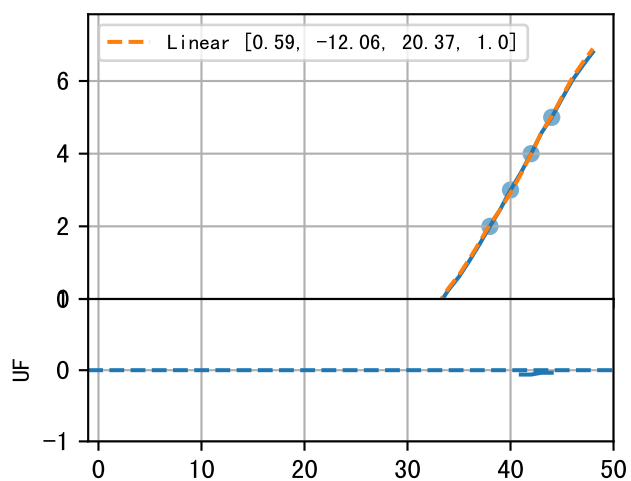
P9AE-089-25T2



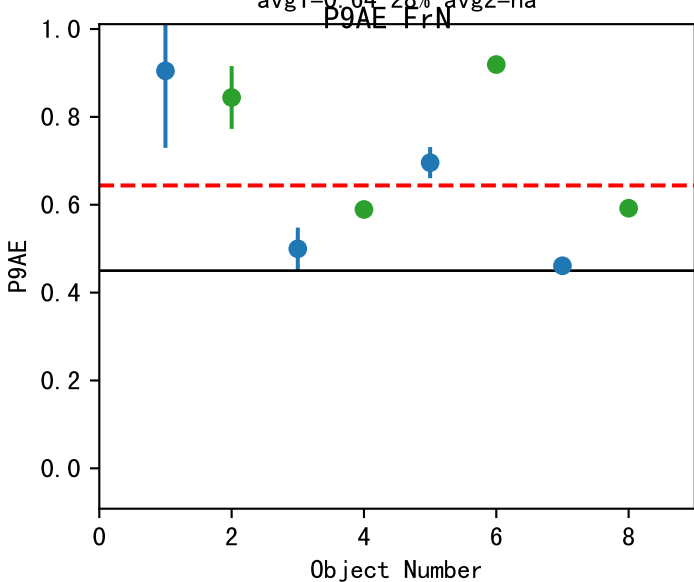
P9AE-100-19T1



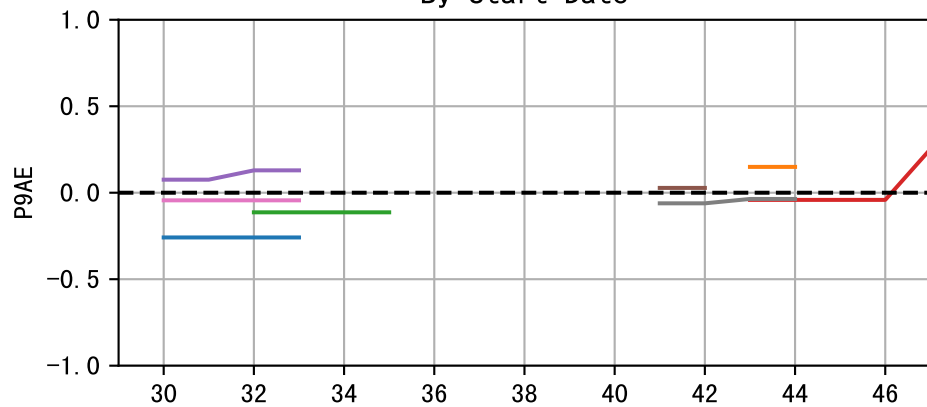
P9AE-100-19T2



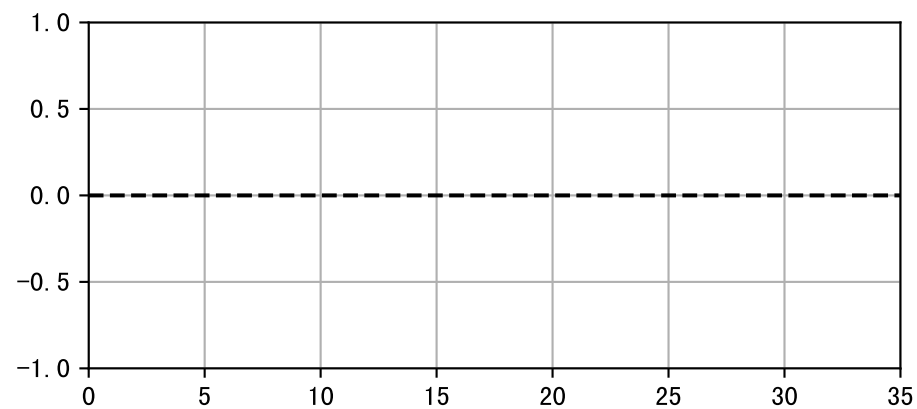
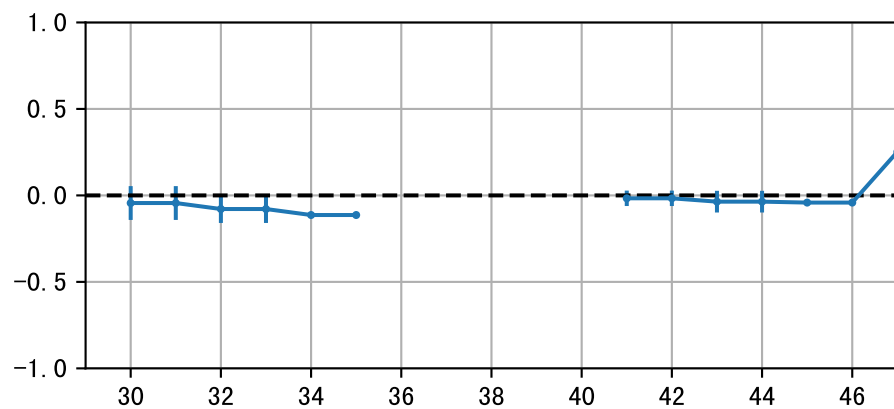
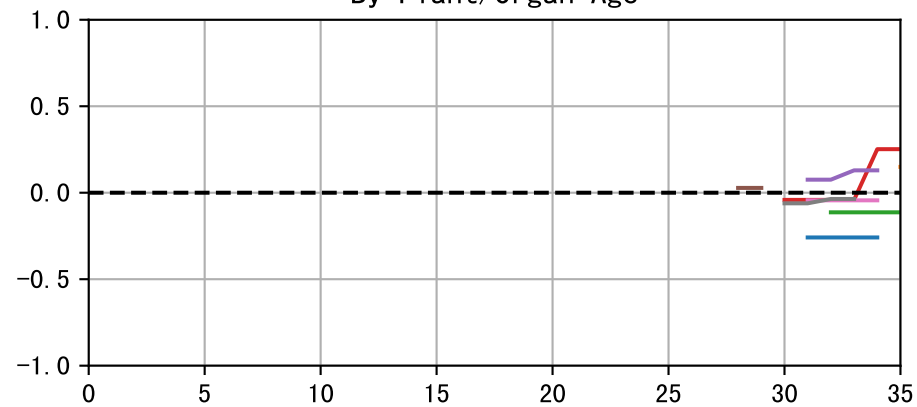
a (Def=0.45 Set=0.64)
avg1=0.64~28% avg2=na



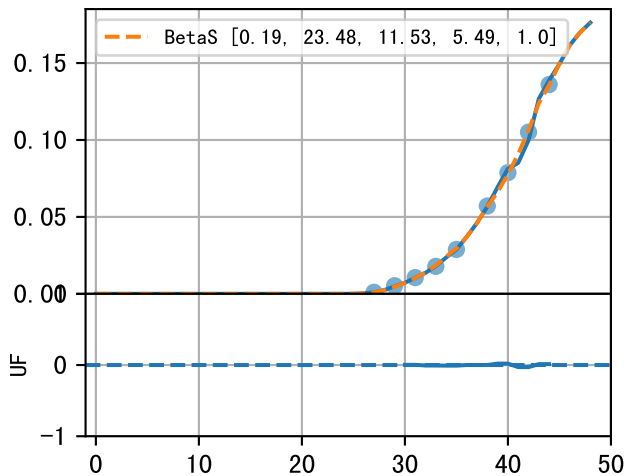
By Start Date



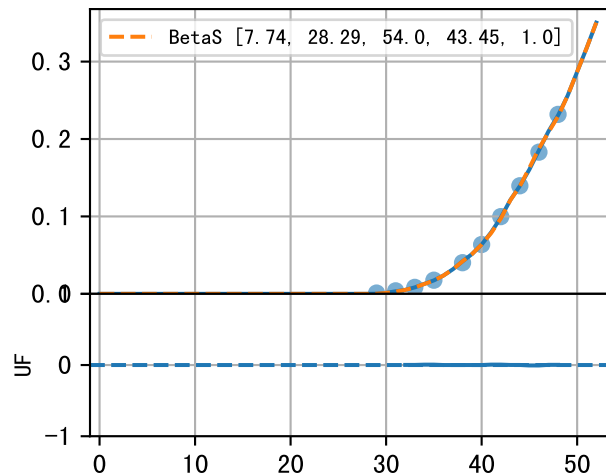
By Plant/Organ Age



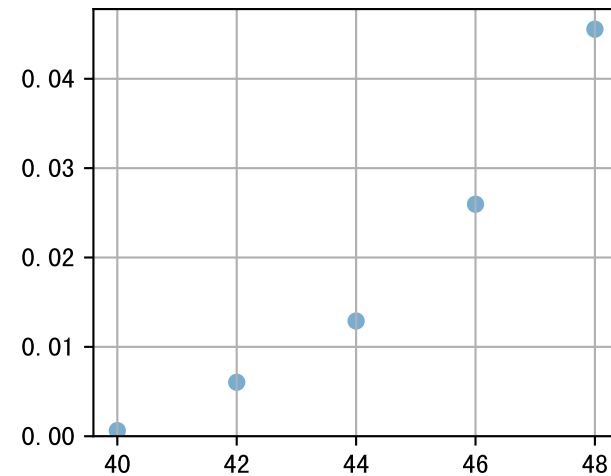
P9AE-065-3T1Fr1



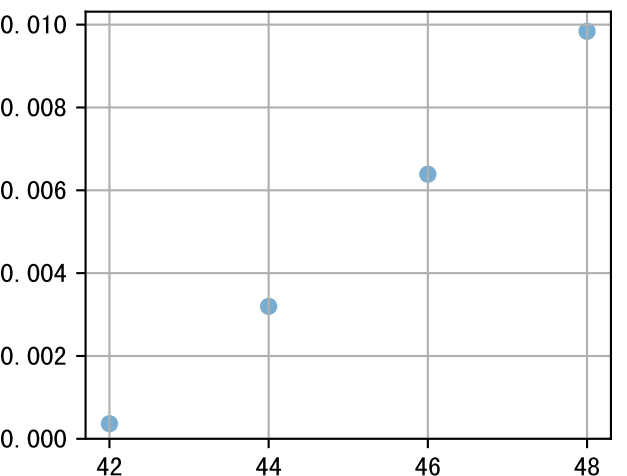
P9AE-065-3T1Fr5 (fit failed)



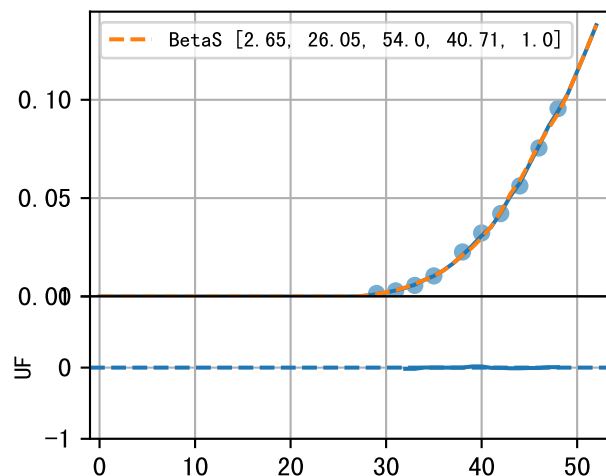
P9AE-065-3T2Fr1 (fit failed)



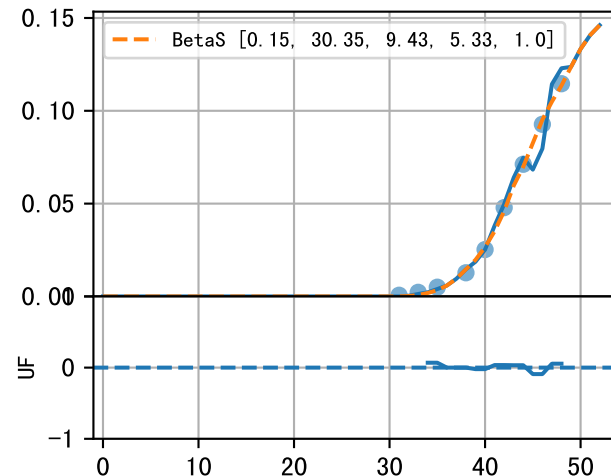
P9AE-065-3T2Fr5 (fit failed)



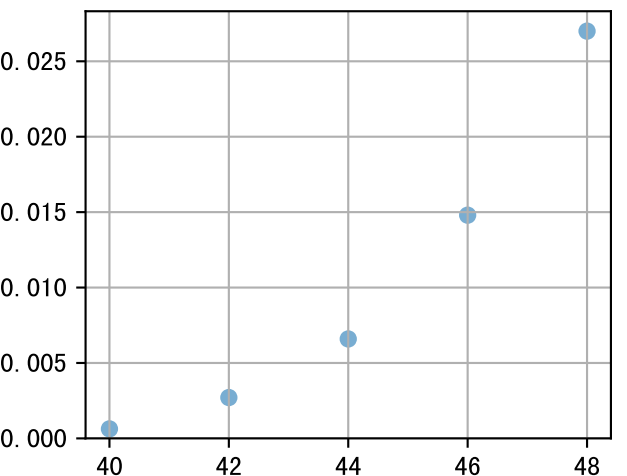
P9AE-077-32T1Fr1 (fit failed)



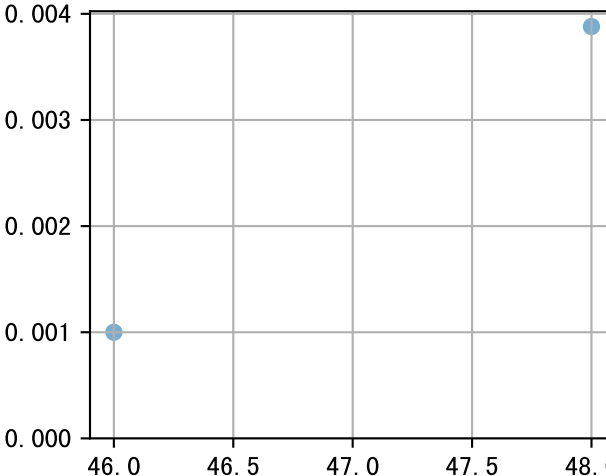
P9AE-077-32T1Fr5



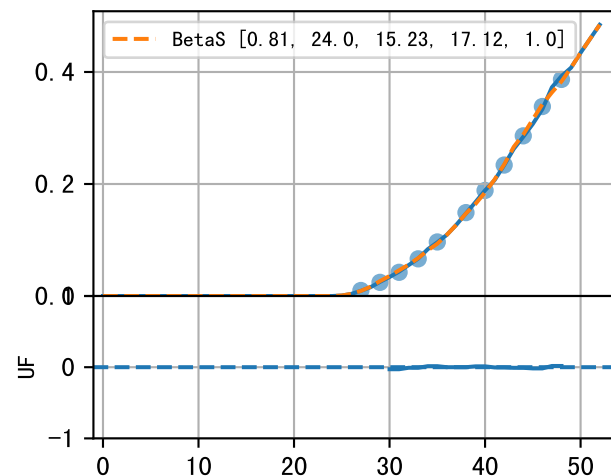
P9AE-077-32T2Fr1 (fit failed)



P9AE-077-32T2Fr5 (fit failed)



P9AE-089-25T1Fr1

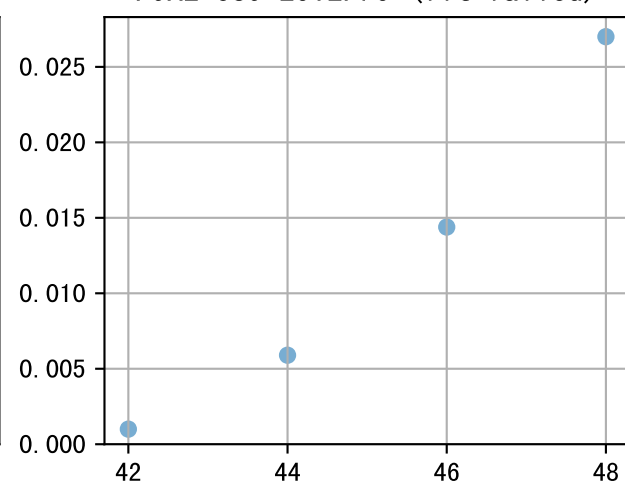
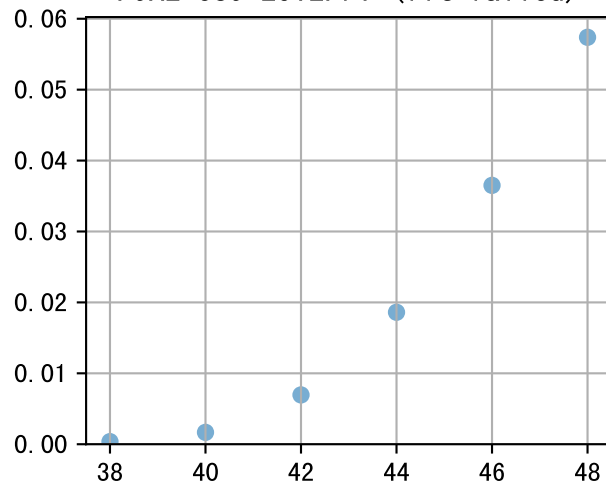
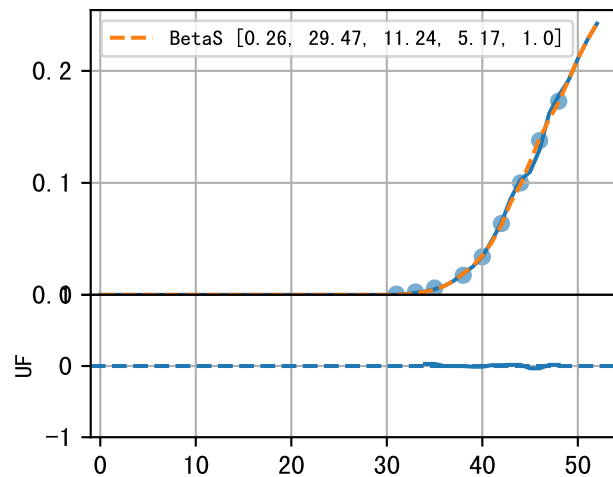


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P9AE-089-25T1Fr5

P9AE-089-25T2Fr1 (fit failed)

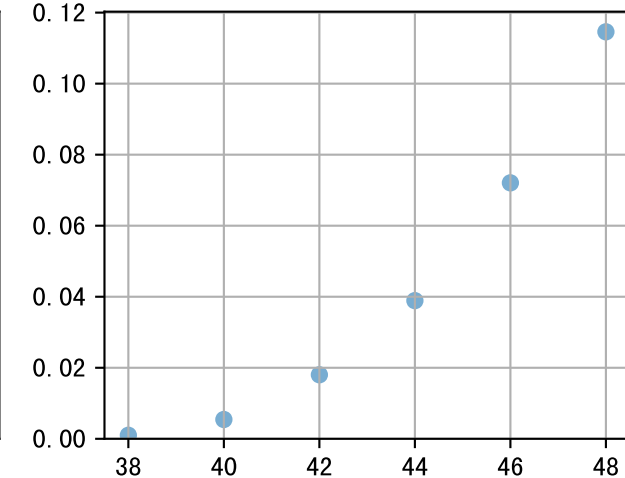
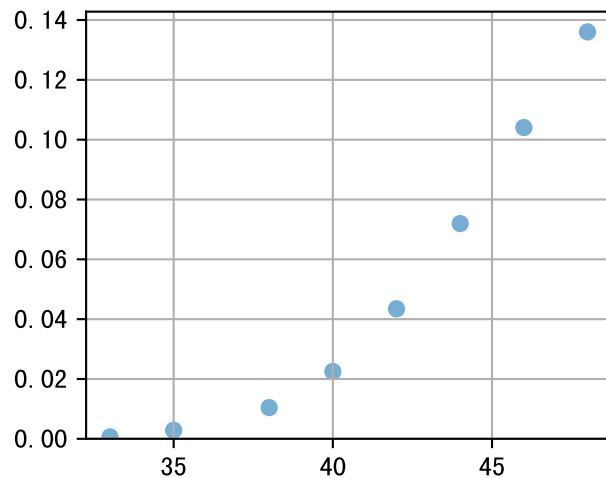
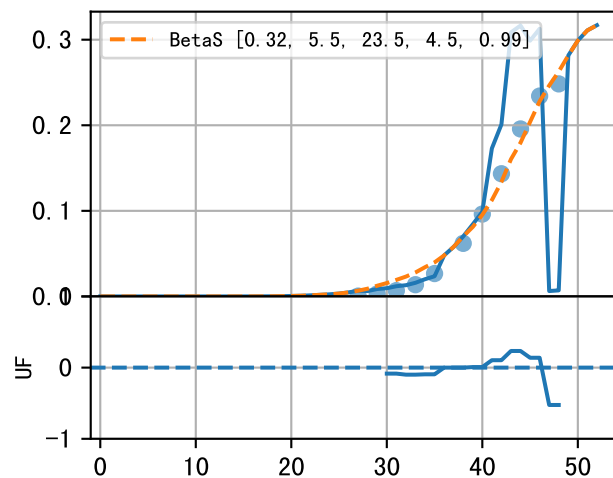
P9AE-089-25T2Fr5 (fit failed)



P9AE-100-19T1Fr1

P9AE-100-19T1Fr5 (fit failed)

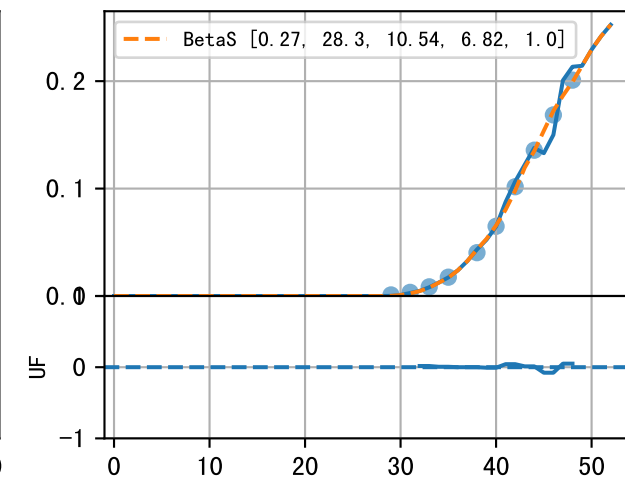
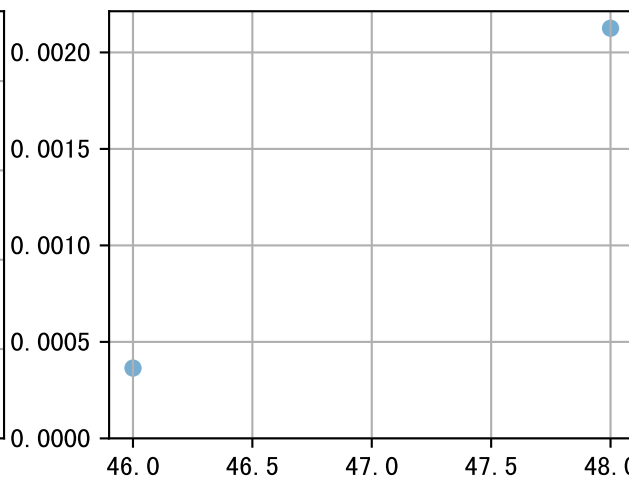
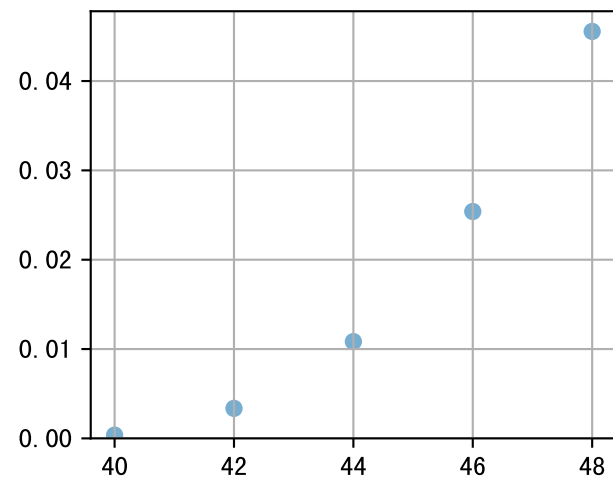
P9AE-100-19T2Fr1 (fit failed)



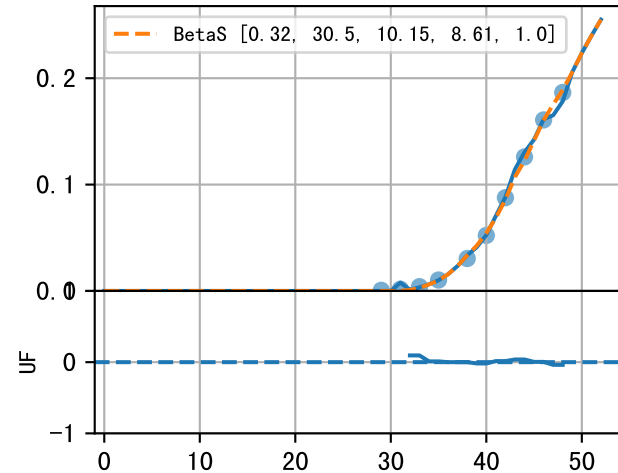
P9AE-100-19T2Fr5 (fit failed)

P9AE-100-19T3Fr1 (fit failed)

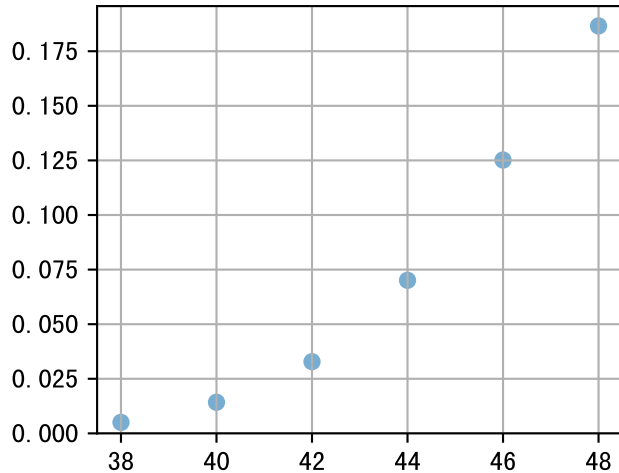
P9AE-111-7T1Fr1



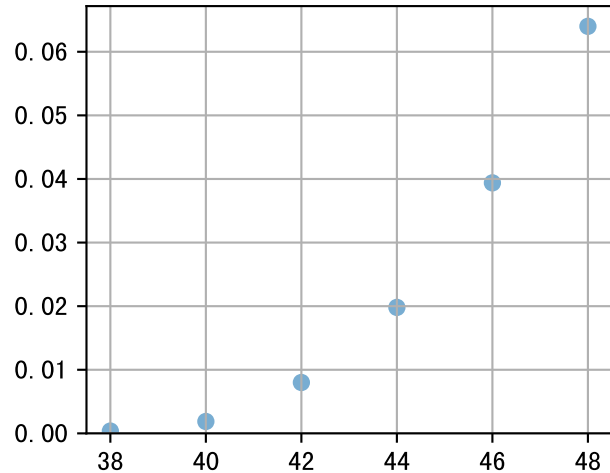
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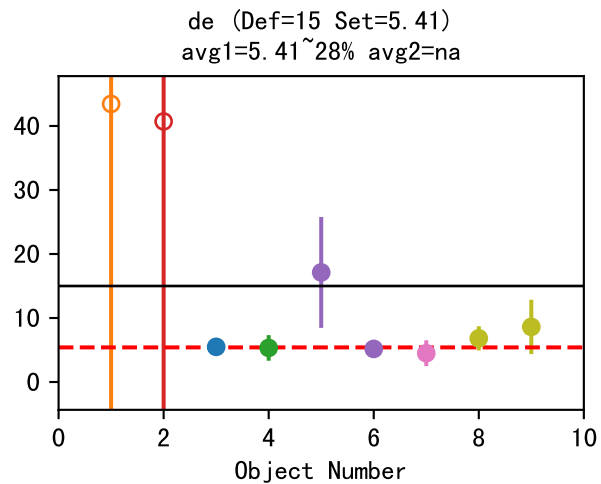
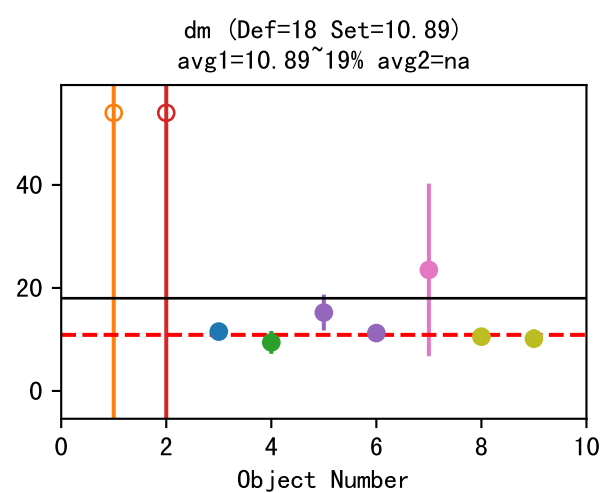
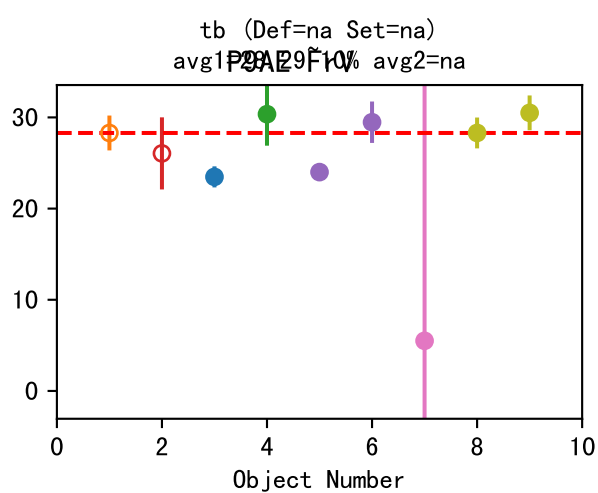
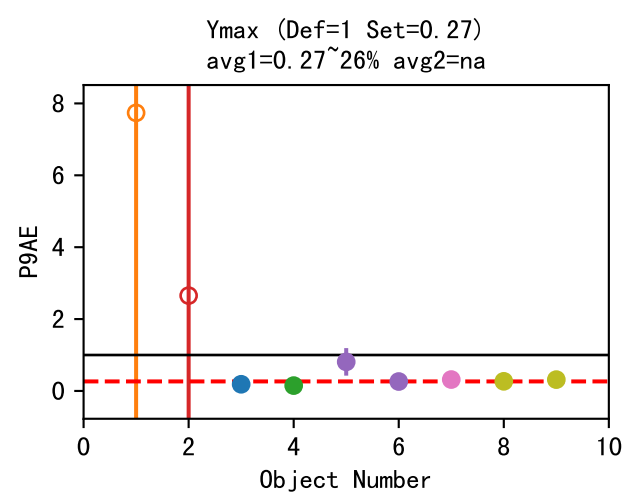


P9AE-111-7T2Fr1 (fit failed)

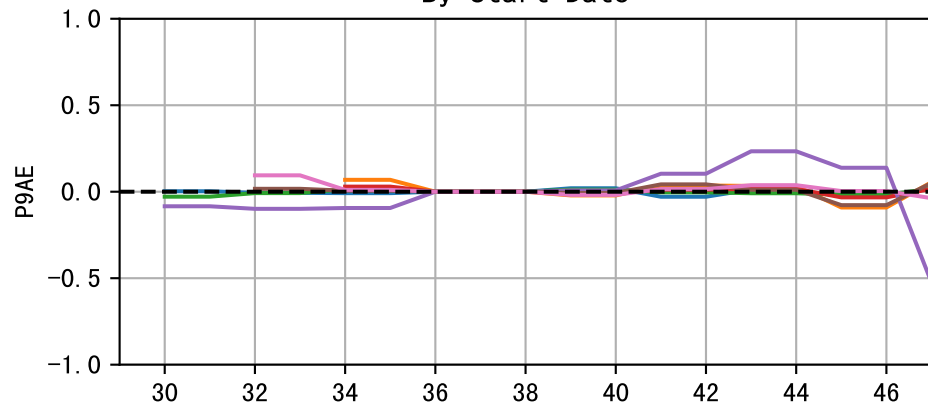


P9AE-111-7T2Fr5 (fit failed)

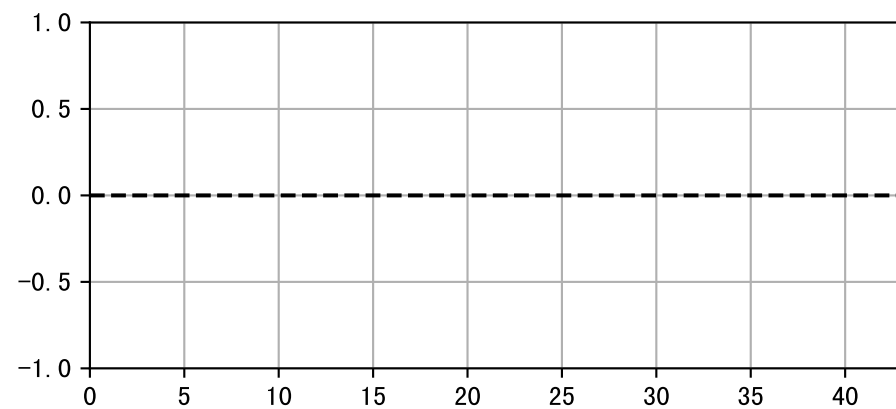
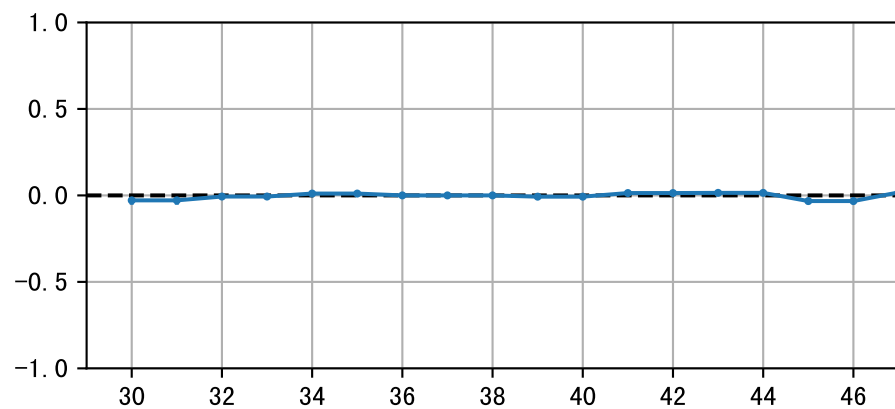
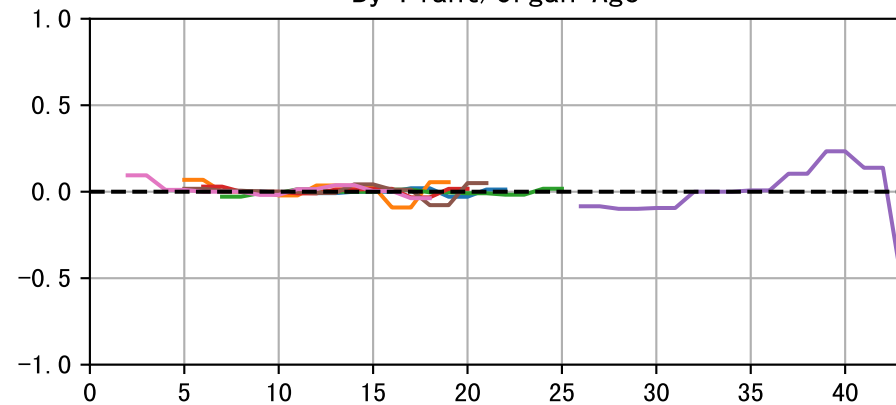




By Start Date

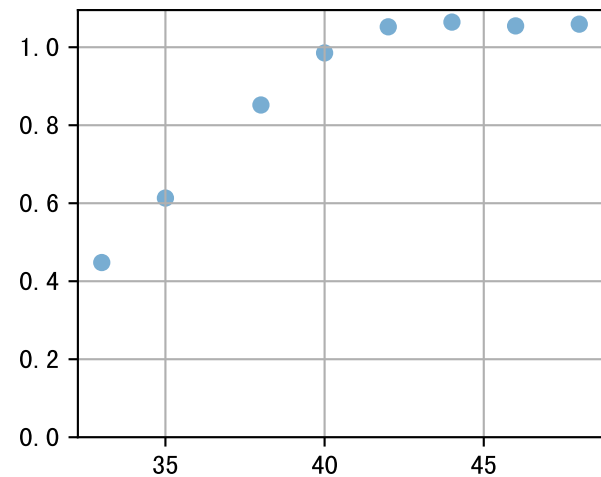


By Plant/Organ Age

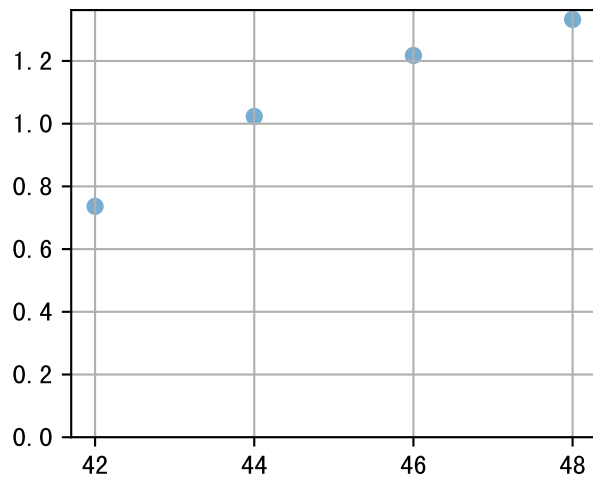


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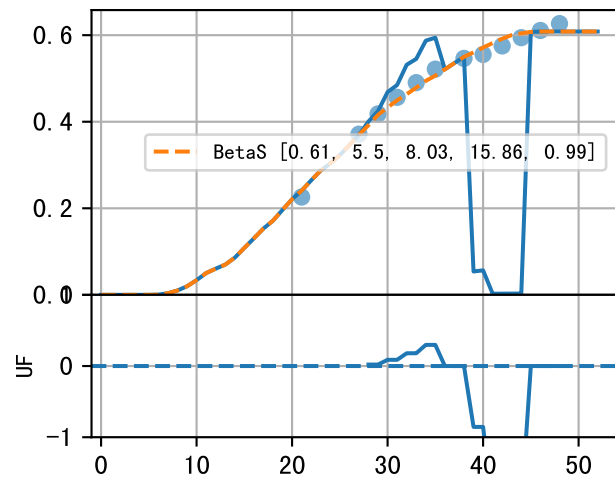
P9AE-065-3L10 (fit failed)



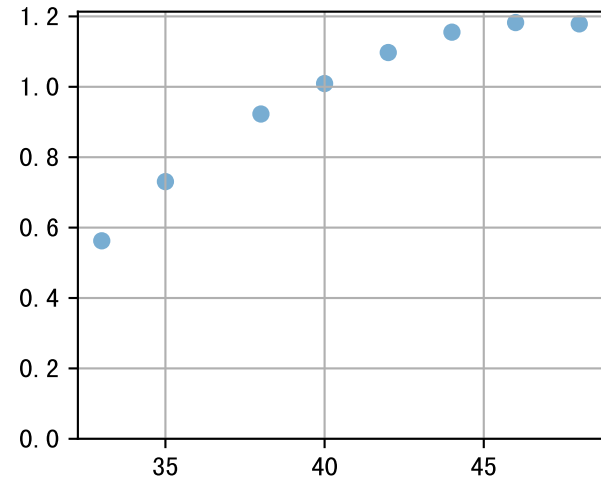
P9AE-065-3L14 (fit failed)



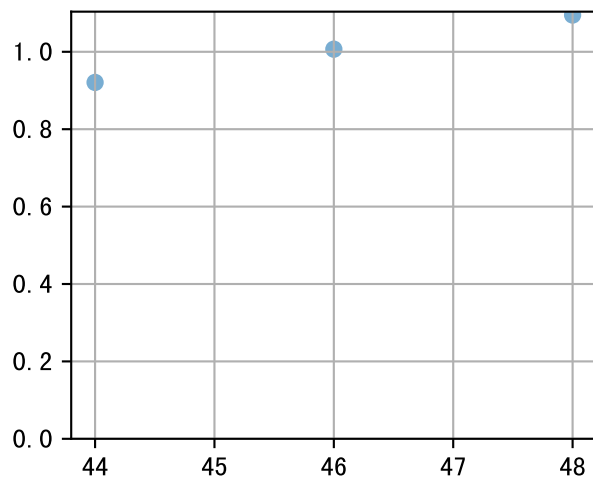
P9AE-065-3L7 (fit failed)



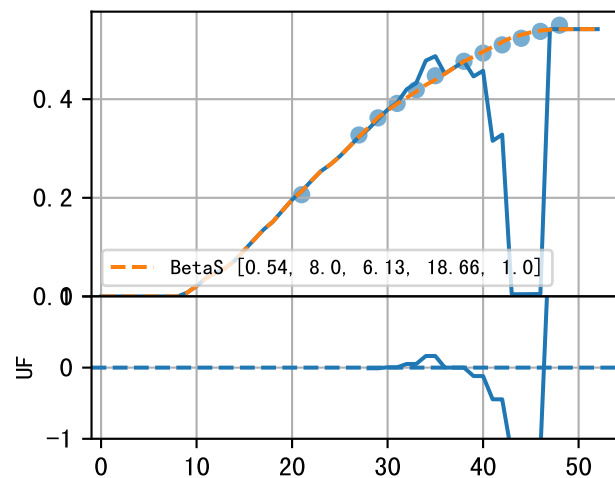
P9AE-077-32L10 (fit failed)



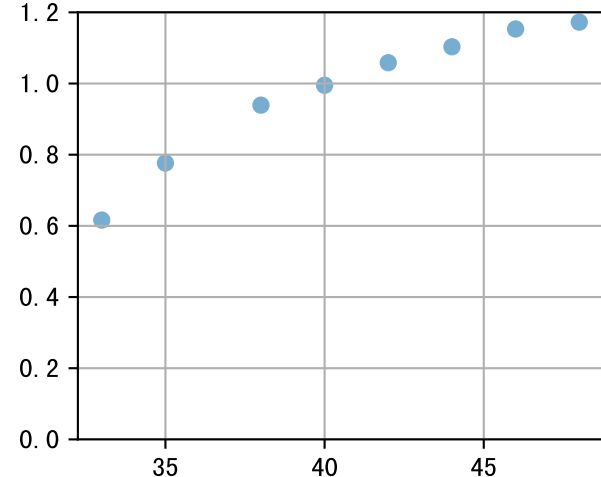
P9AE-077-32L13 (fit failed)



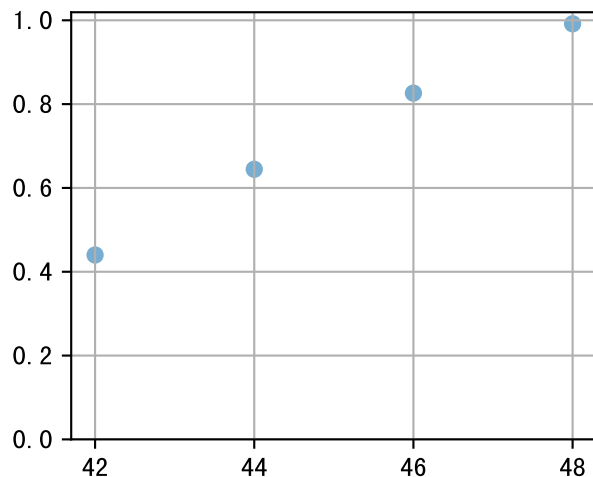
P9AE-077-32L7



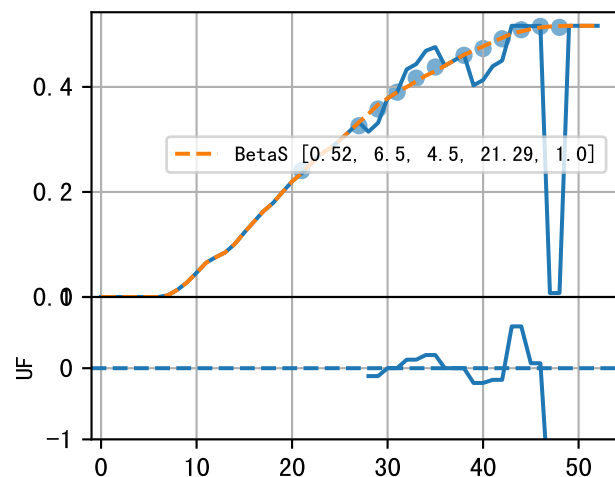
P9AE-089-25L10 (fit failed)



P9AE-089-25L13 (fit failed)



P9AE-089-25L7 (fit failed)

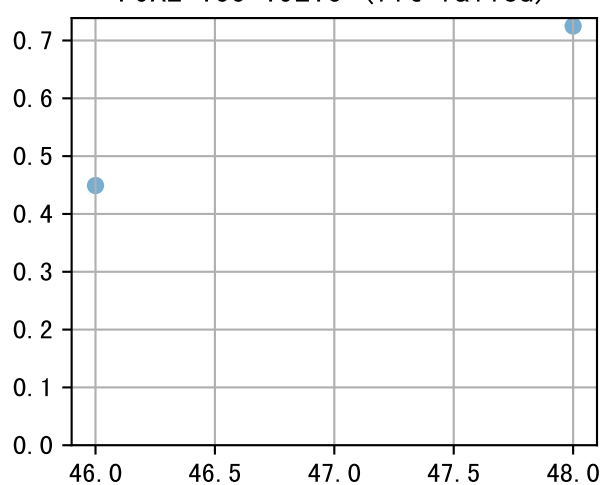
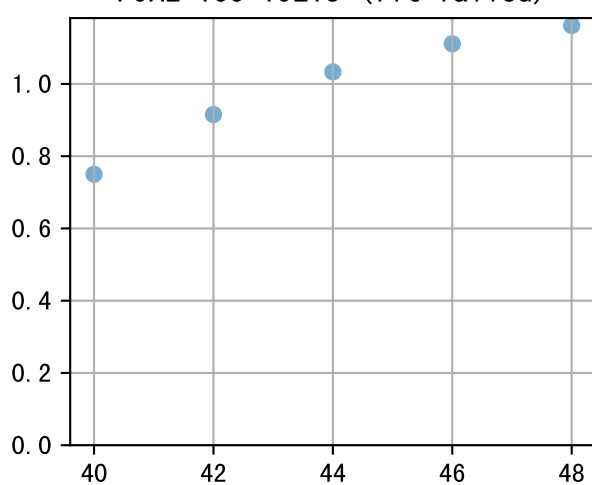
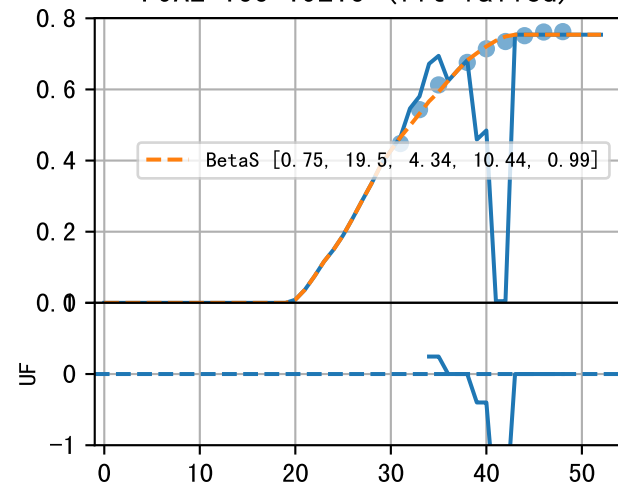


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P9AE-100-19L10 (fit failed)

P9AE-100-19L13 (fit failed)

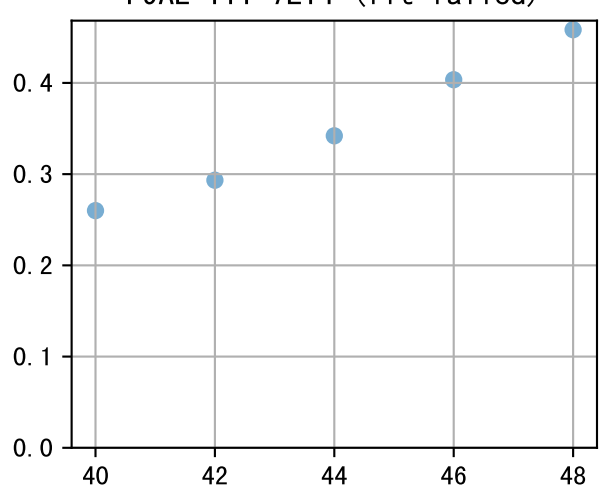
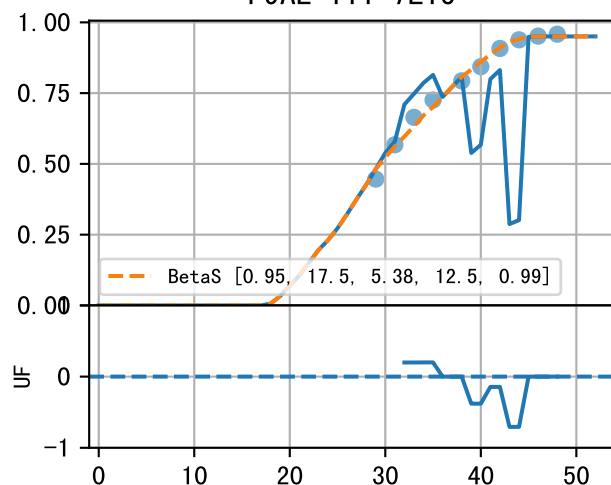
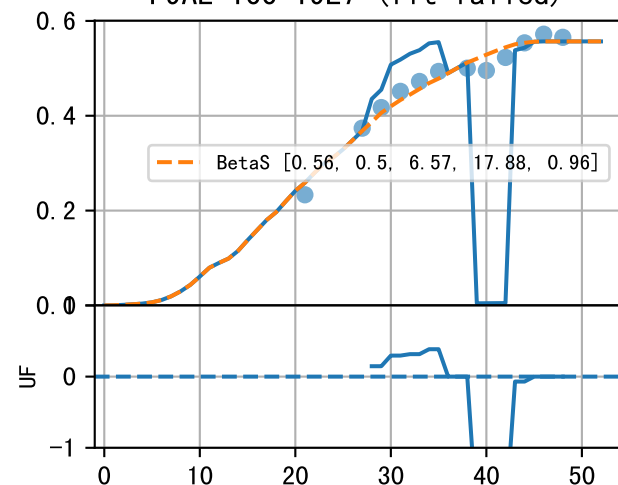
P9AE-100-19L16 (fit failed)



P9AE-100-19L17 (fit failed)

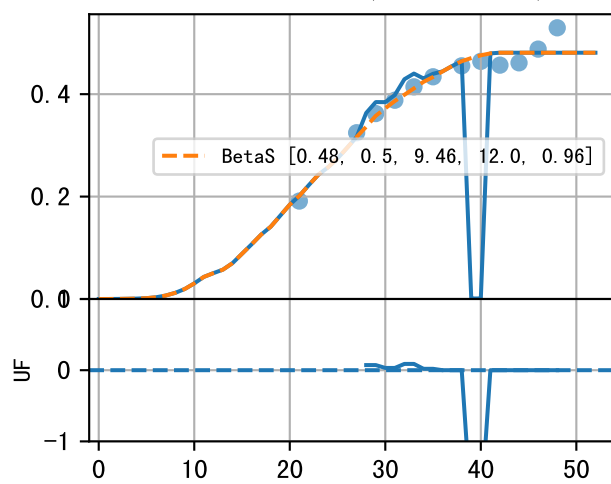
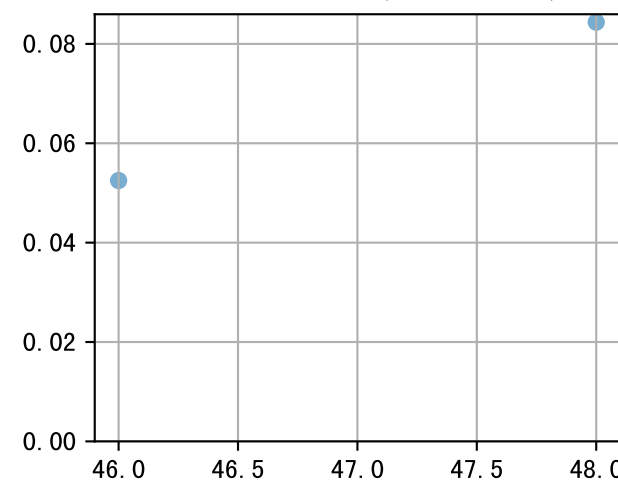
P9AE-111-7L10

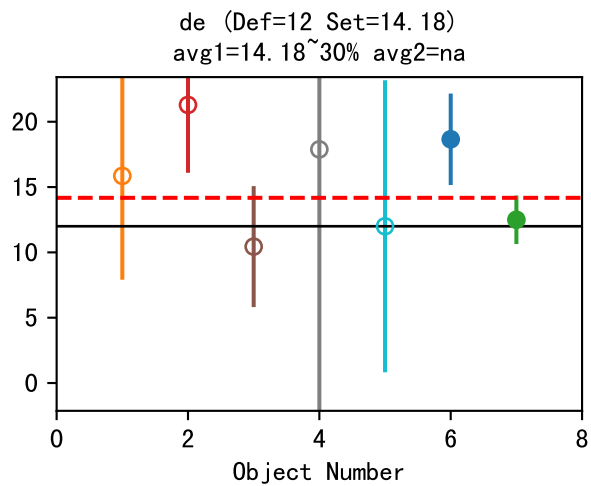
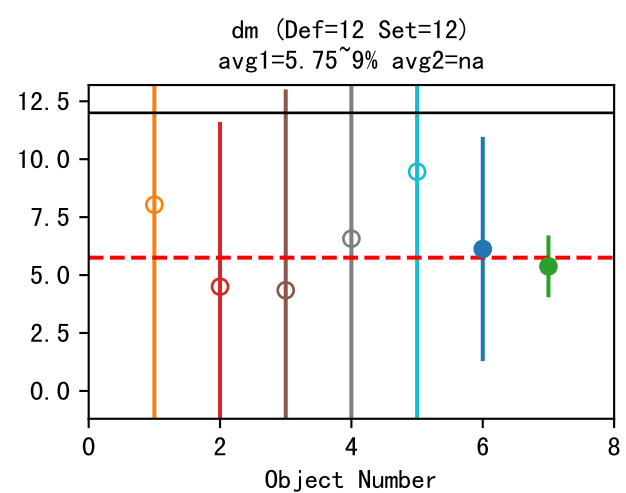
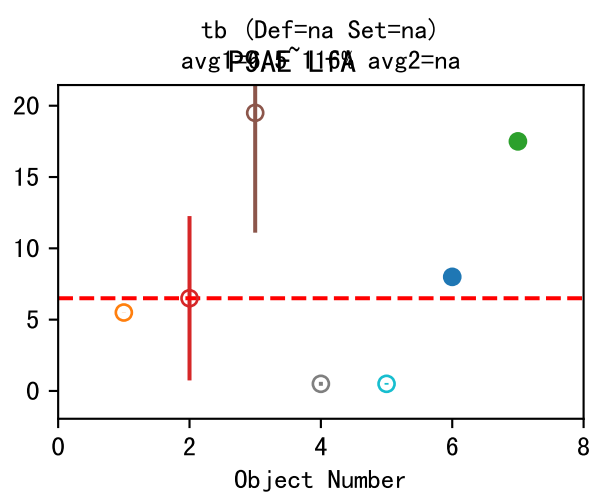
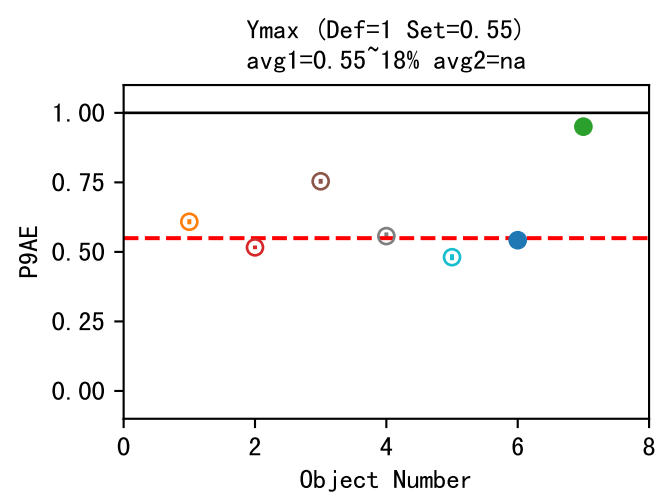
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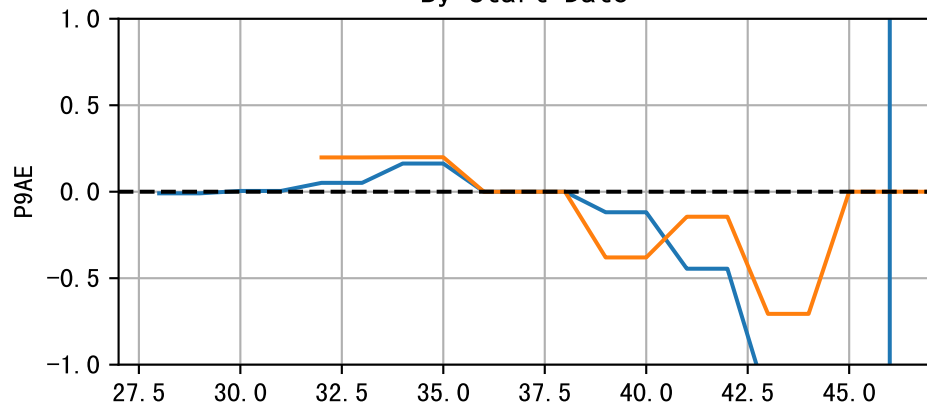
P9AE-111-7L17 (fit failed)

P9AE-111-7L7 (fit failed)

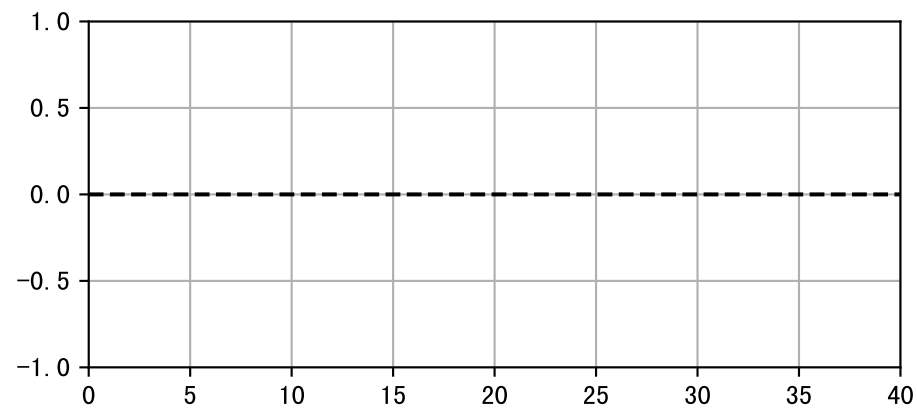
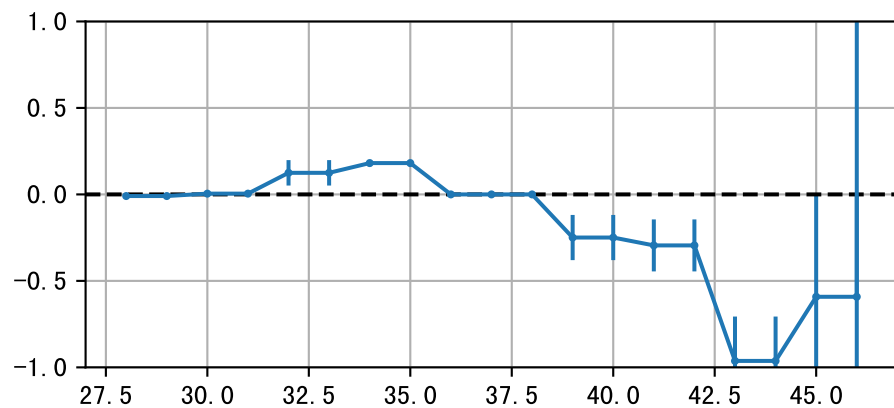
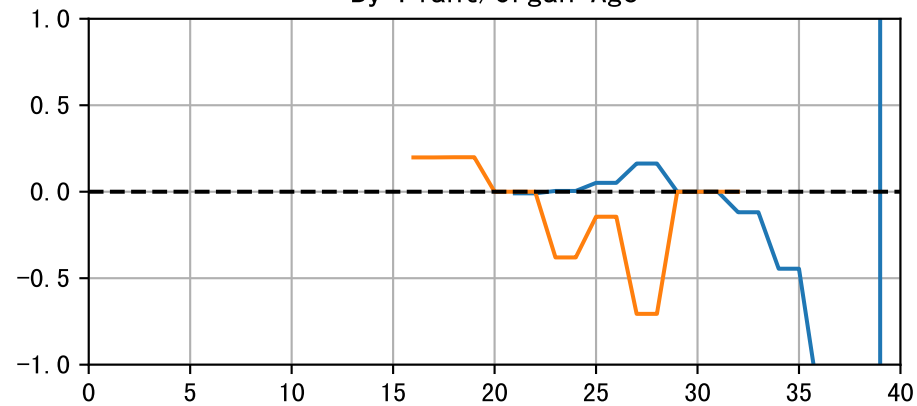




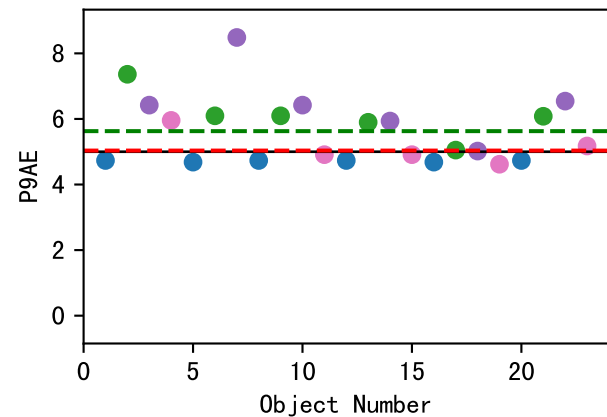
By Start Date



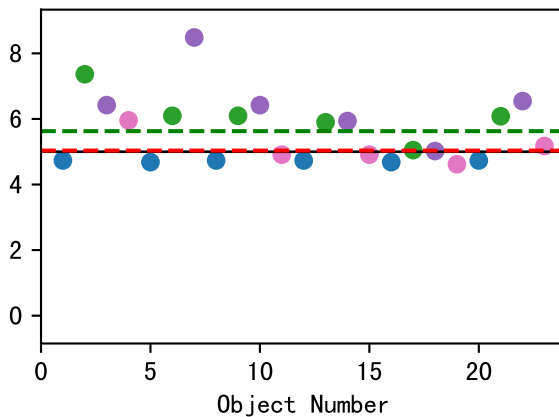
By Plant/Organ Age



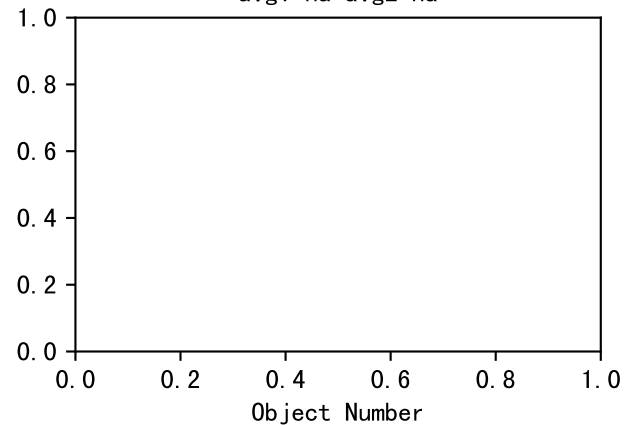
FI_dm (Def=5 Set=5.04)
avg1=5.04~16% avg2=5.63~15%



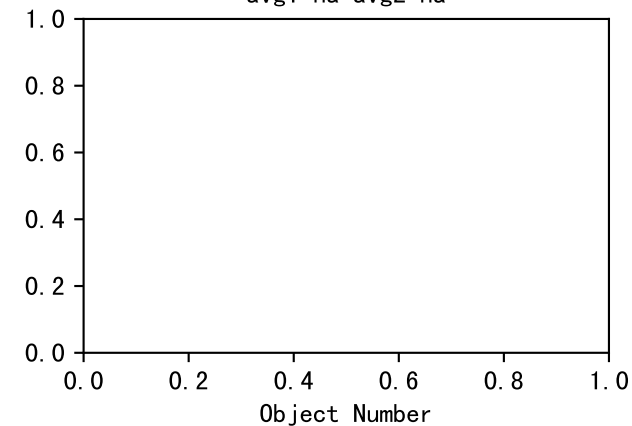
FI_de (Def=5 Set=5.04)
avg1=5.04~16% avg2=5.63~15%



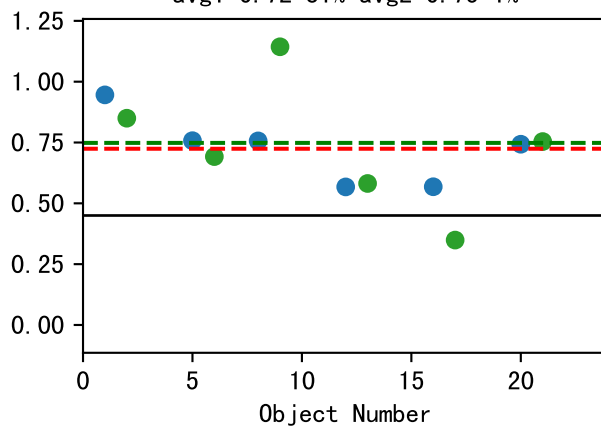
FrV_dm (Def=18 Set=10.89)
avg1=na avg2=na



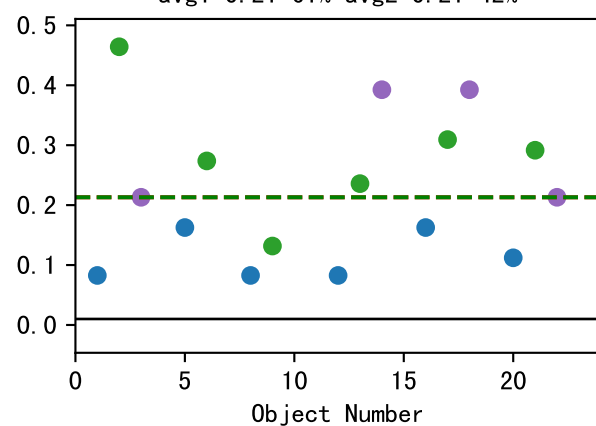
FrV_de (Def=15 Set=5.41)
avg1=na avg2=na



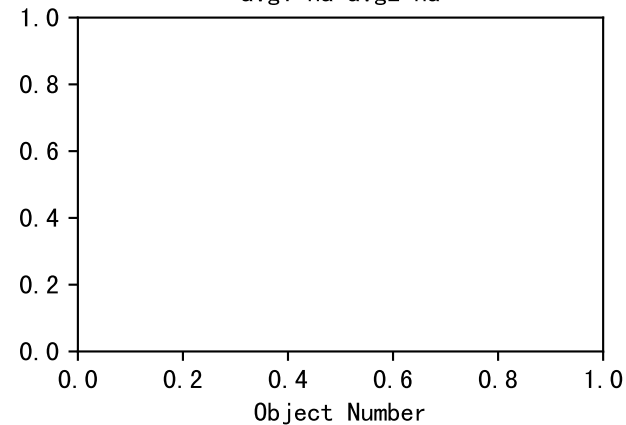
FrN_a (Def=0.45 Set=0.72)
avg1=0.72~31% avg2=0.75~1%



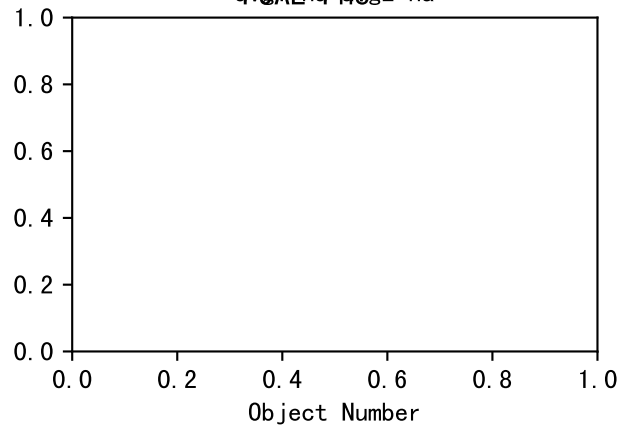
FSDdevStage (Def=0.01 Set=0.21)
avg1=0.21~61% avg2=0.21~42%



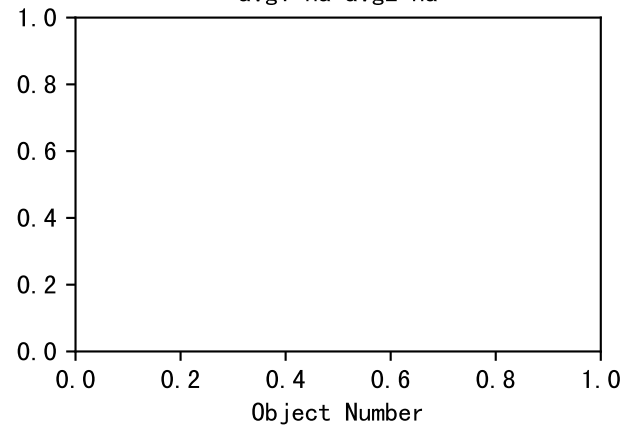
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



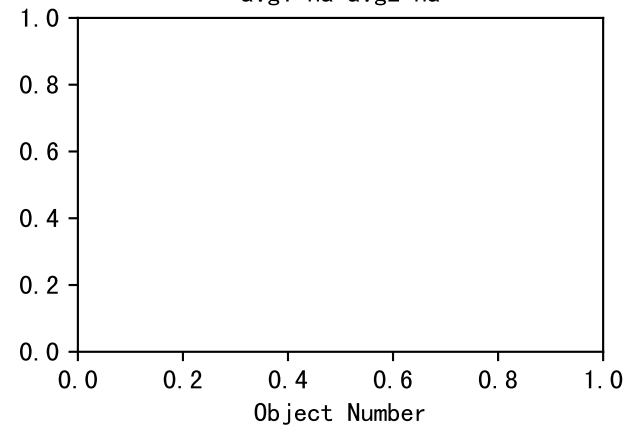
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



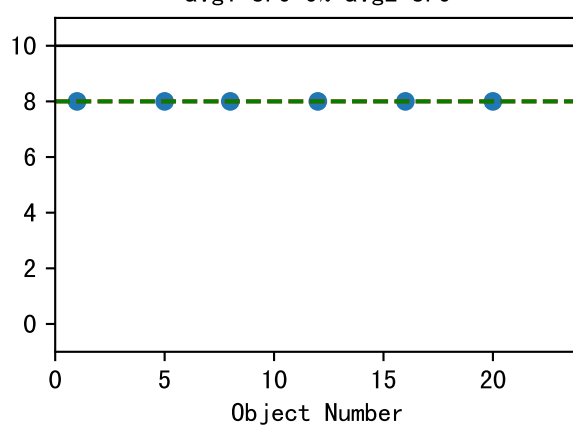
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

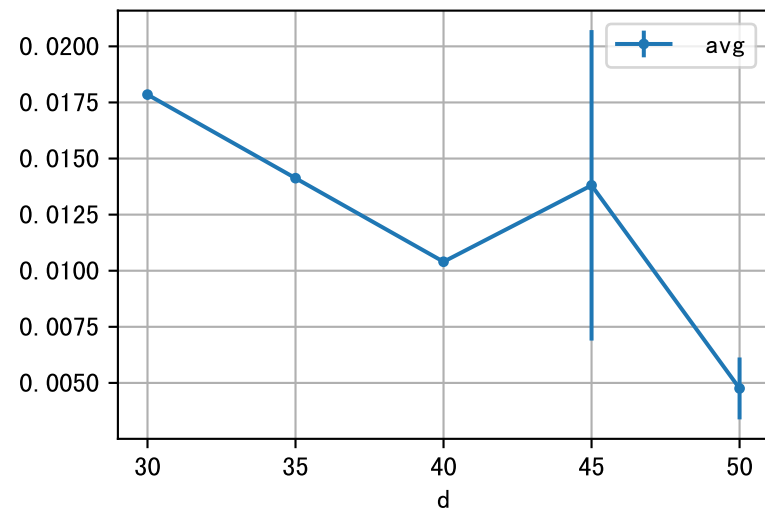


NNgen (Def=10 Set=8)
avg1=8.0~0% avg2=8.0

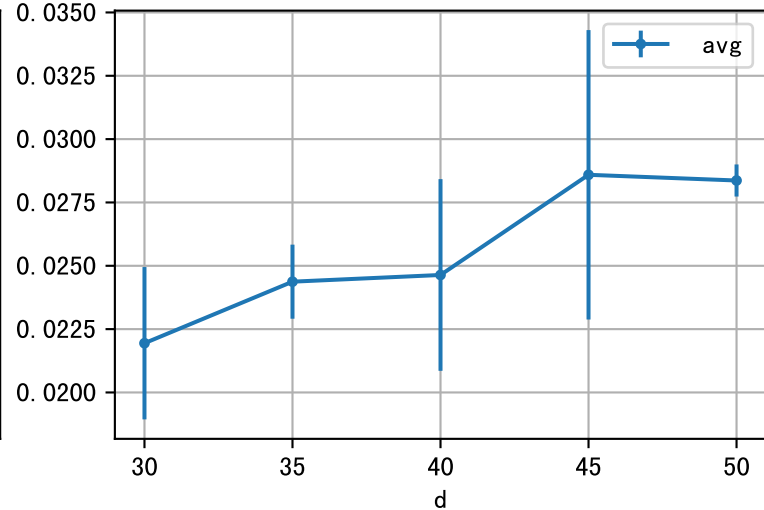


LfA: avg vs. d at each age group

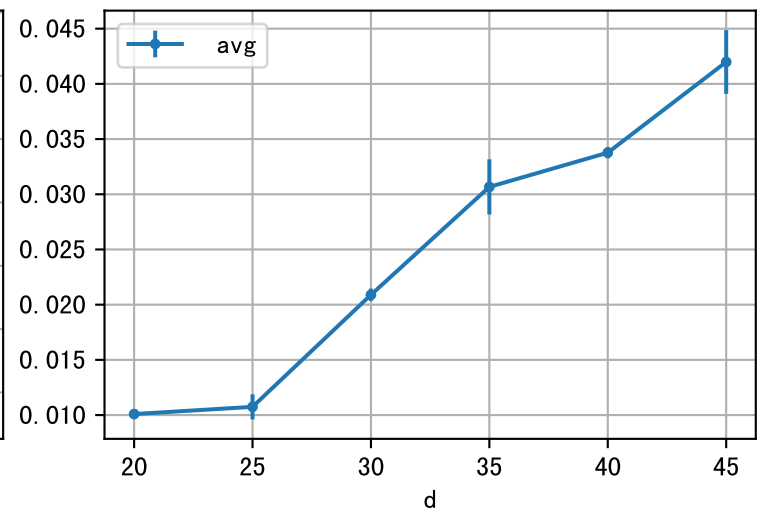
age=15



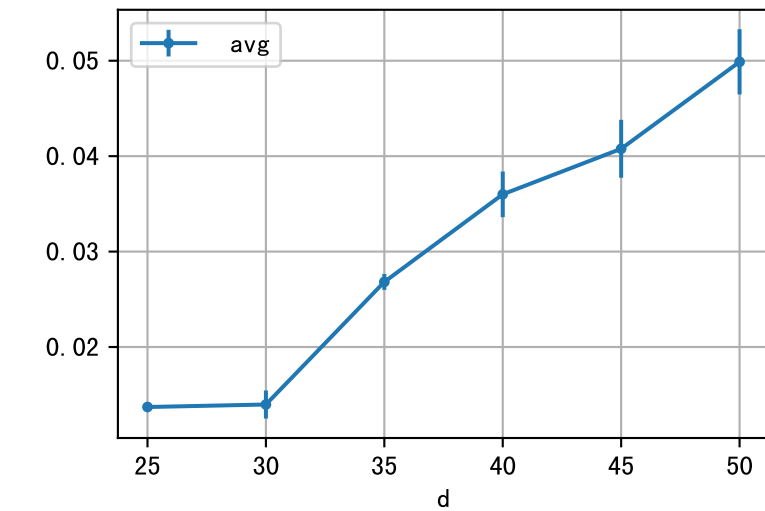
age=20



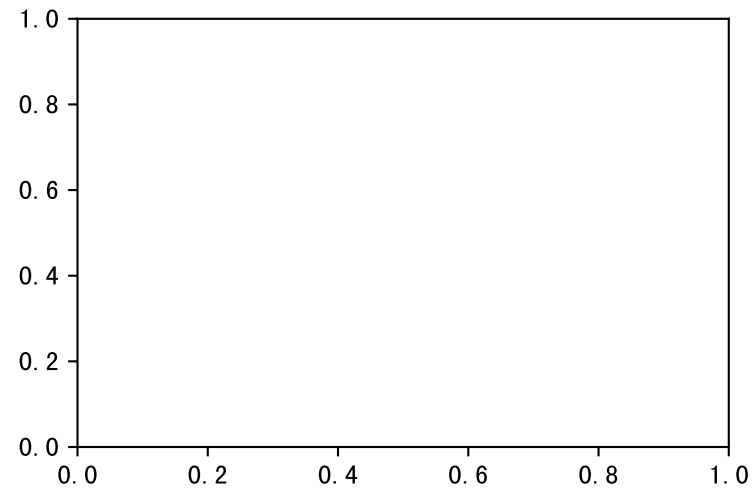
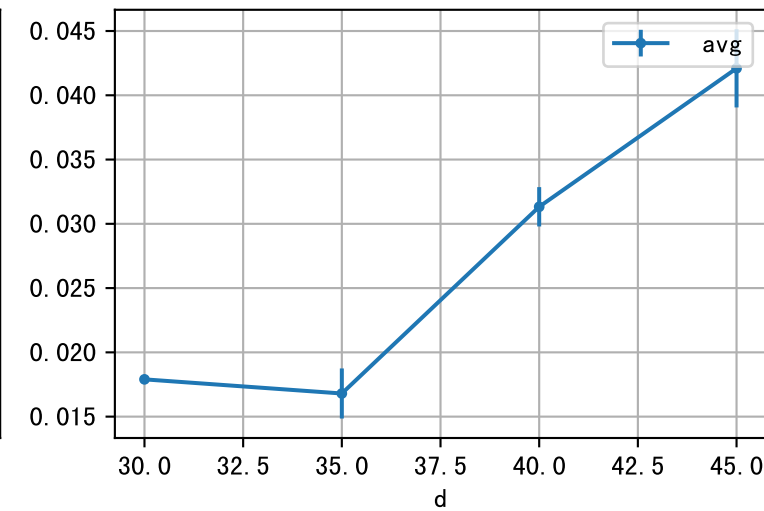
age=25



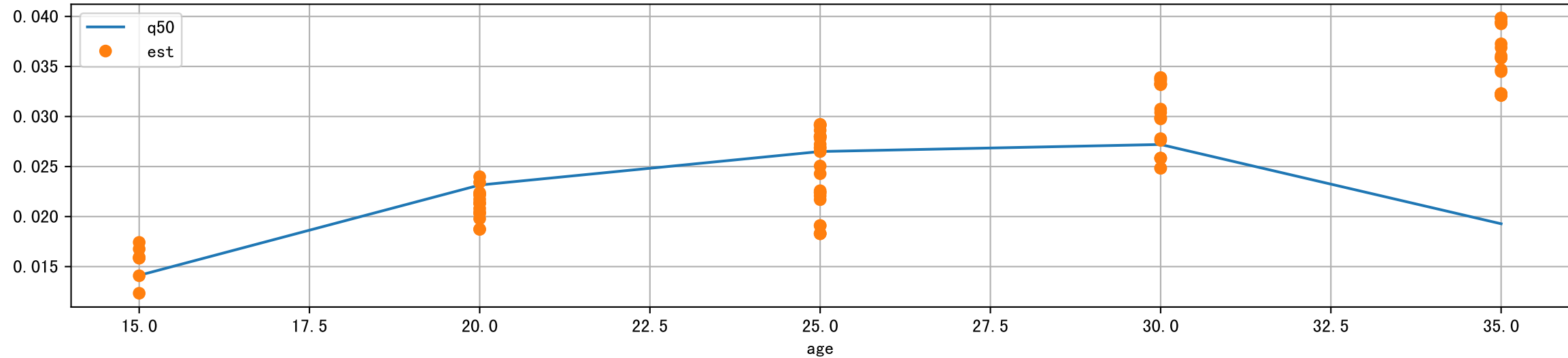
age=30



age=35

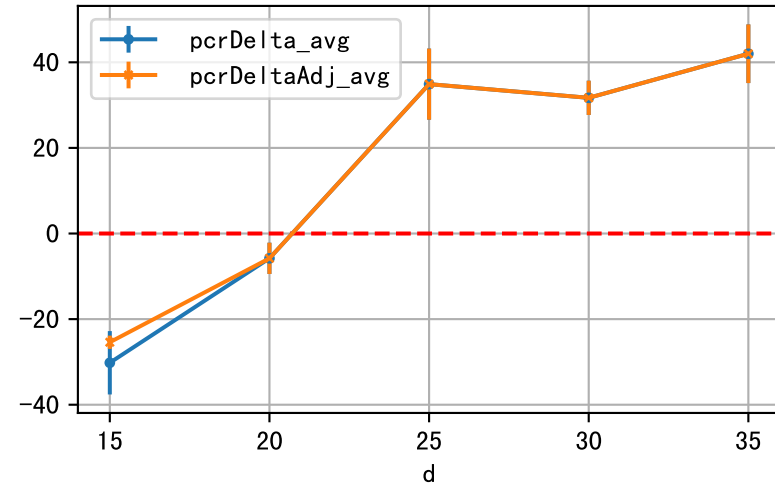


LfA: model est vs obs0v@Q50

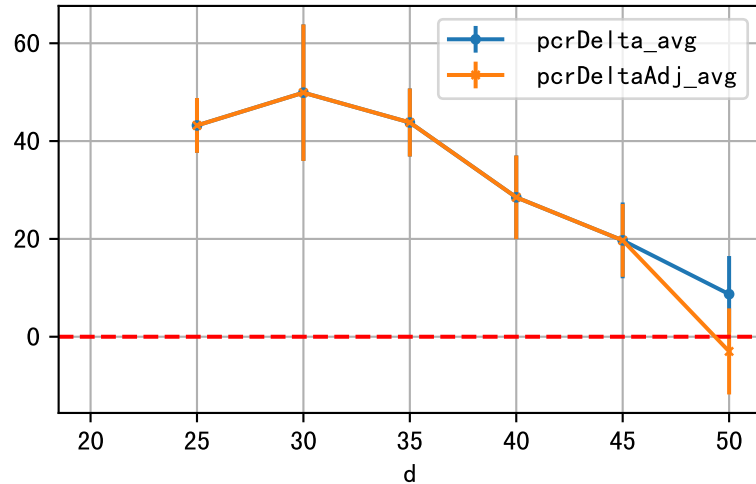


P9AE LfA: D_5d_LfA

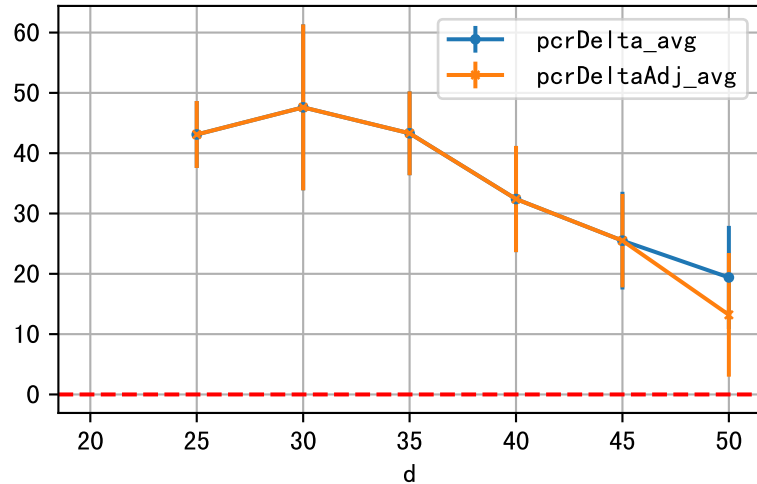
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

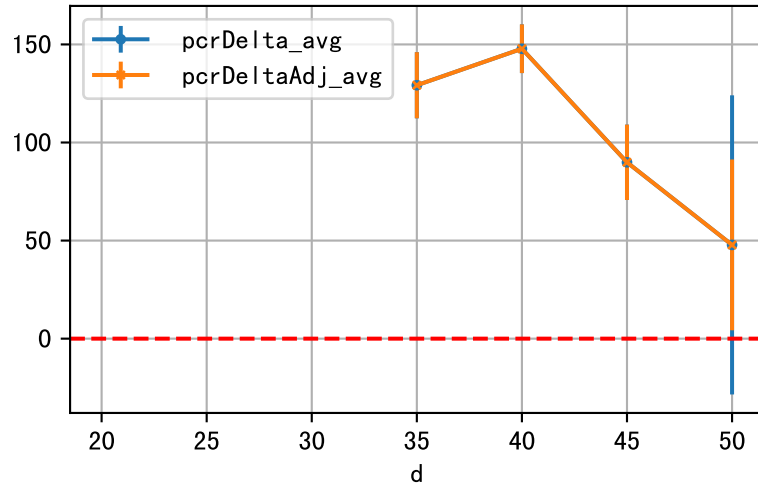
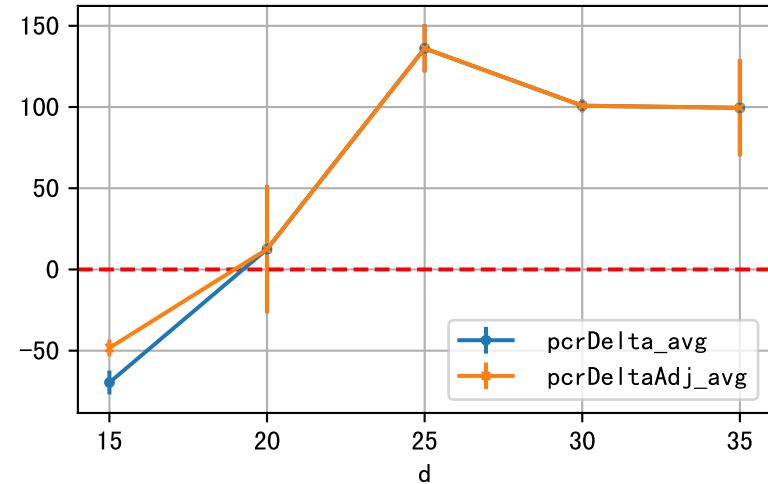


DeltaTypeAbbr=Wei AvgByD

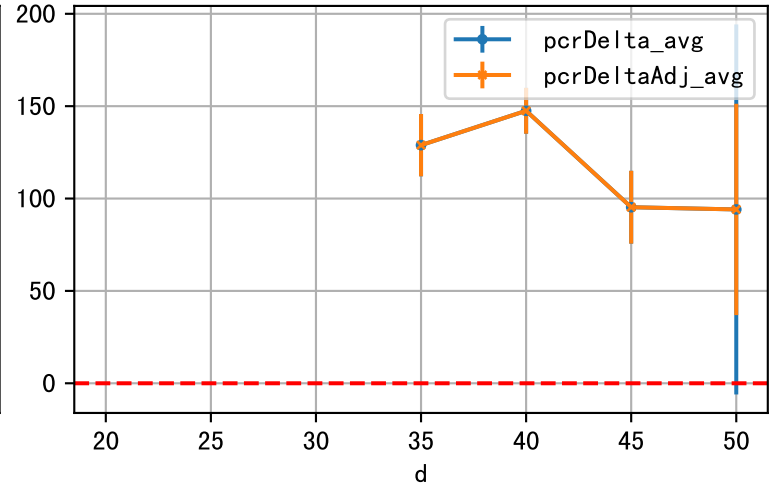


P9AE LfA: D_15d_LfA

DeltaTypeAbbr=GrpByDay

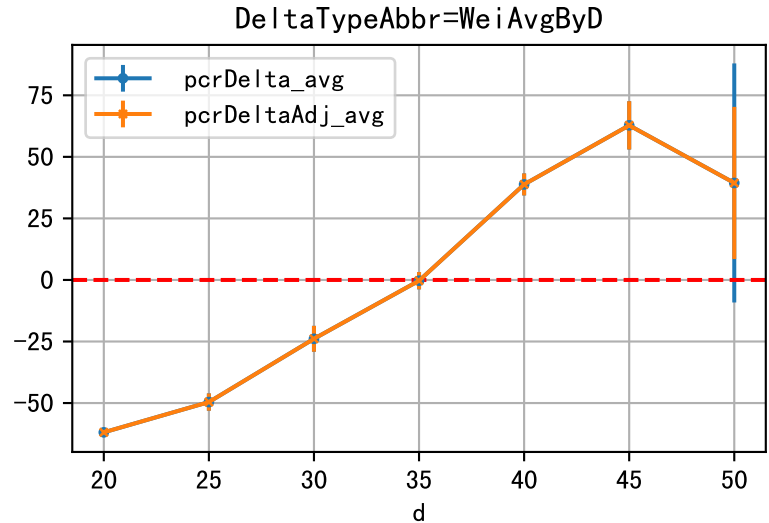
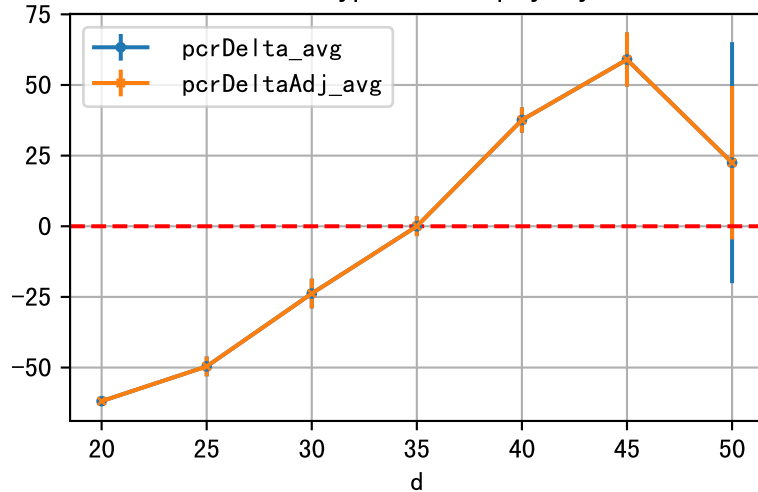
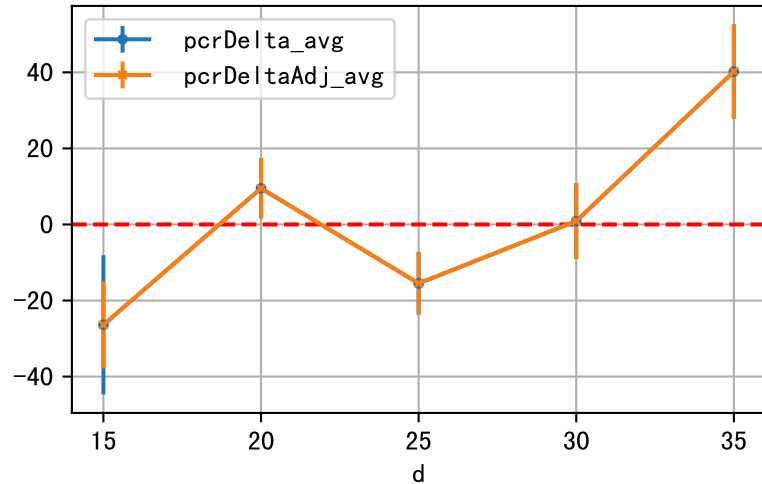


DeltaTypeAbbr=Wei AvgByD



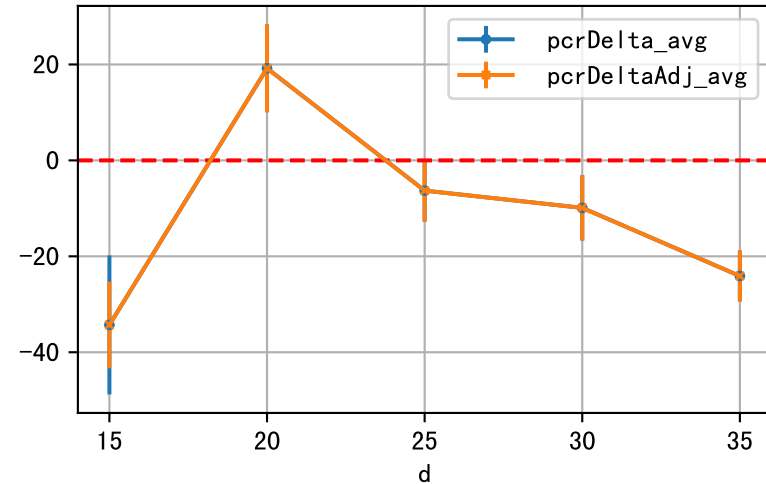
P9AE LfA: D_Q50_LfA

DeltaTypeAbbr=GrpByDay

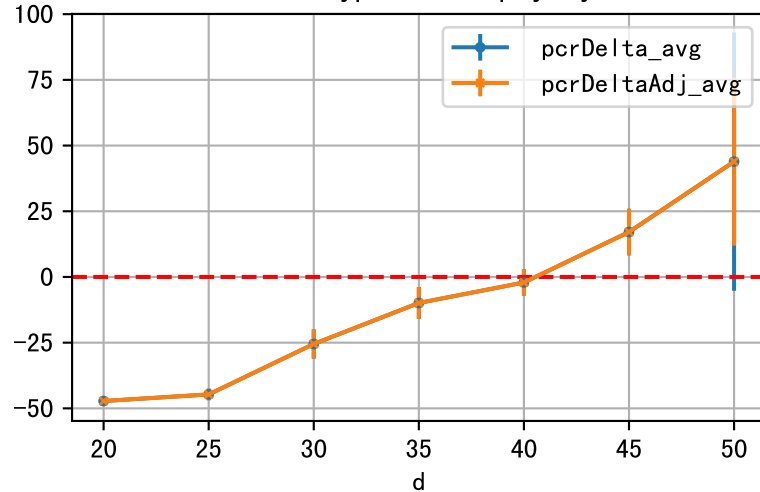


P9AE LfA: D_Est_LfA

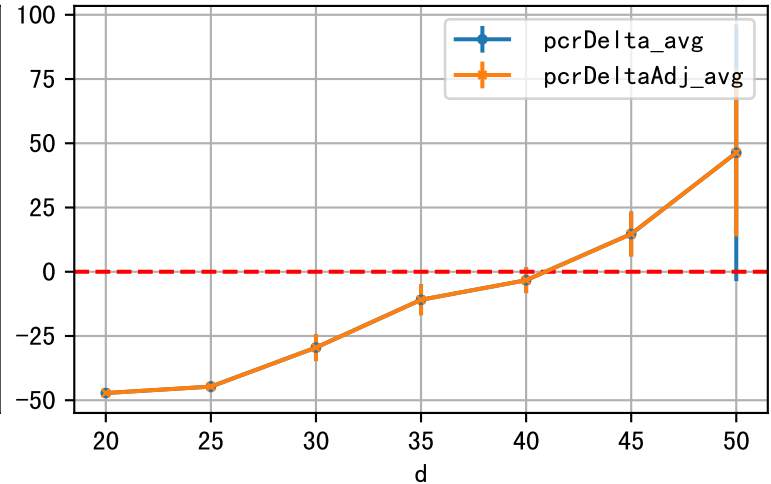
DeltaTypeAbbr=GrpByAge



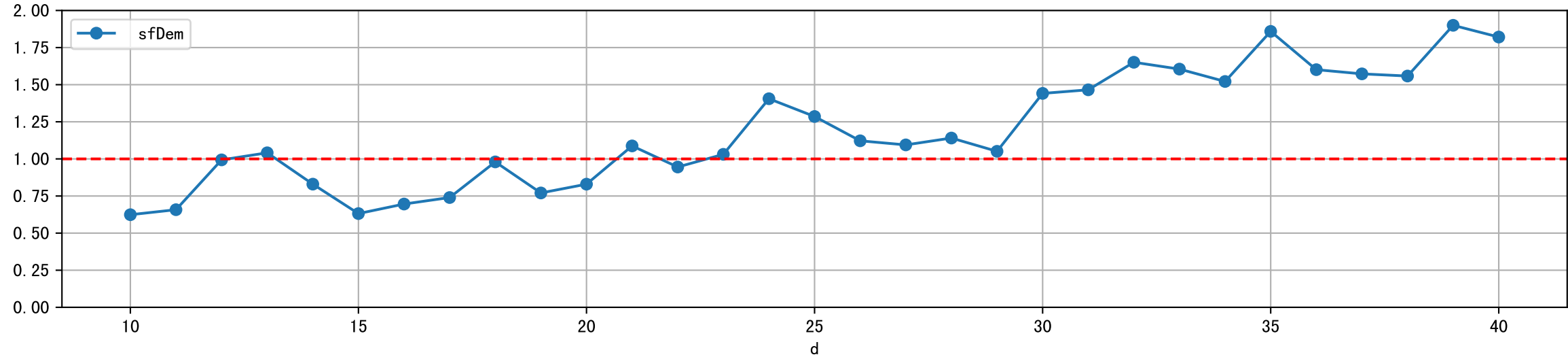
DeltaTypeAbbr=GrpByDay

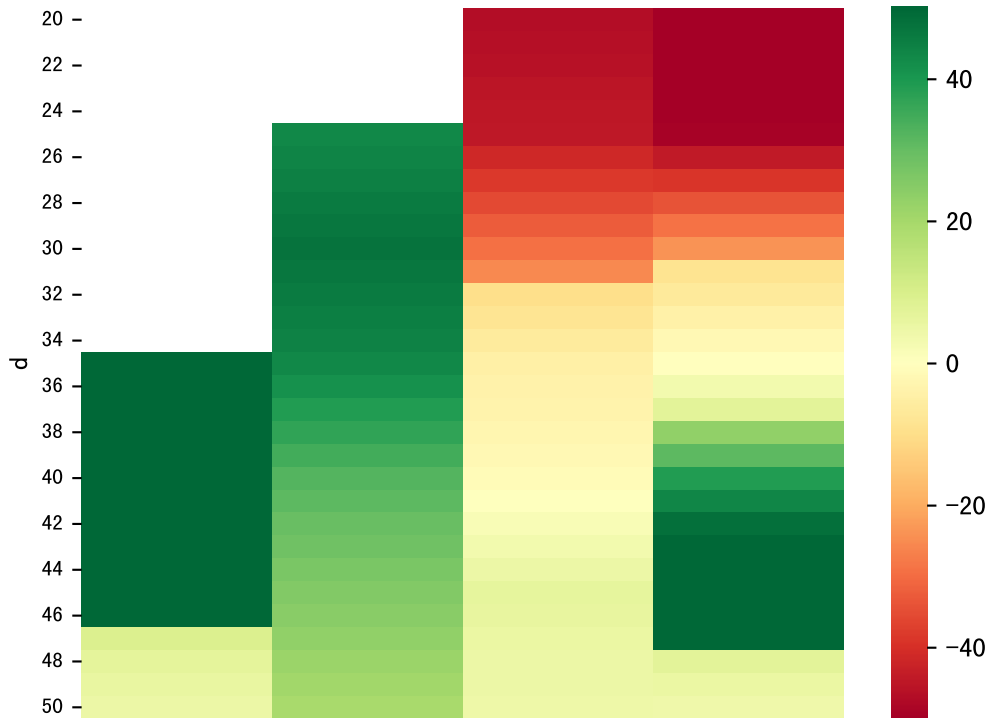


DeltaTypeAbbr=Wei AvgByD



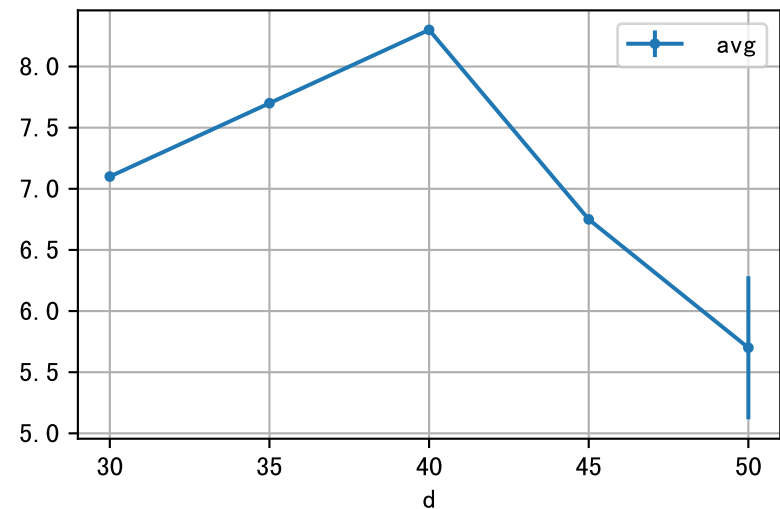
LfA: sfDem



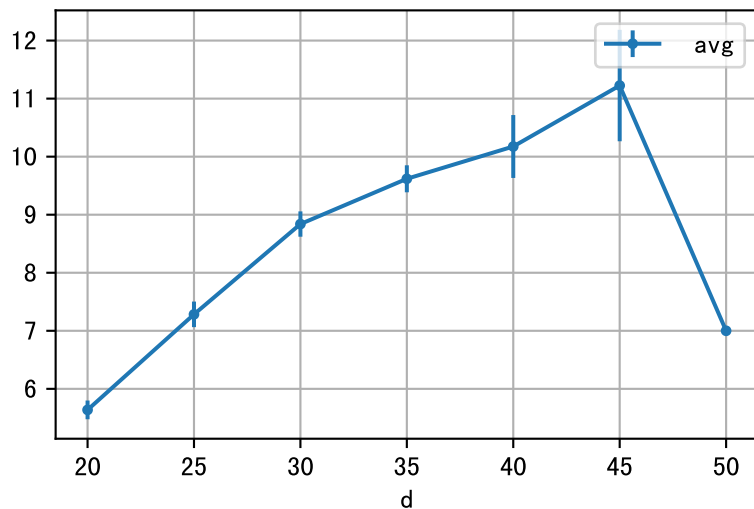


NdD: avg vs. d at each age group

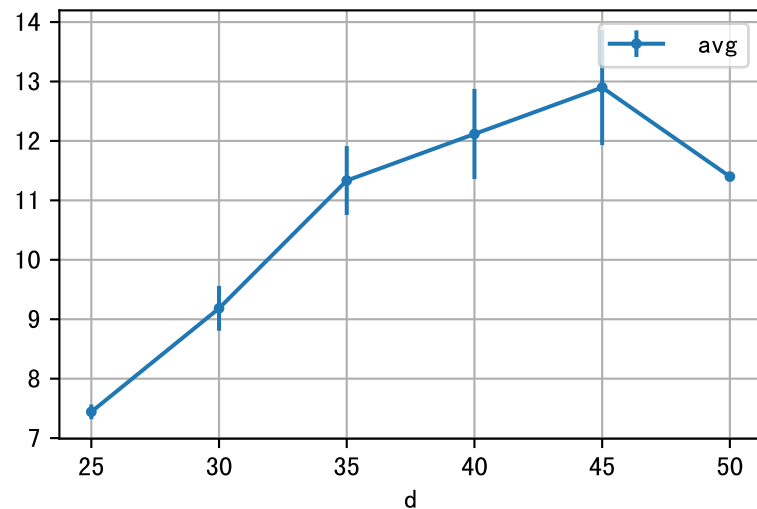
age=15



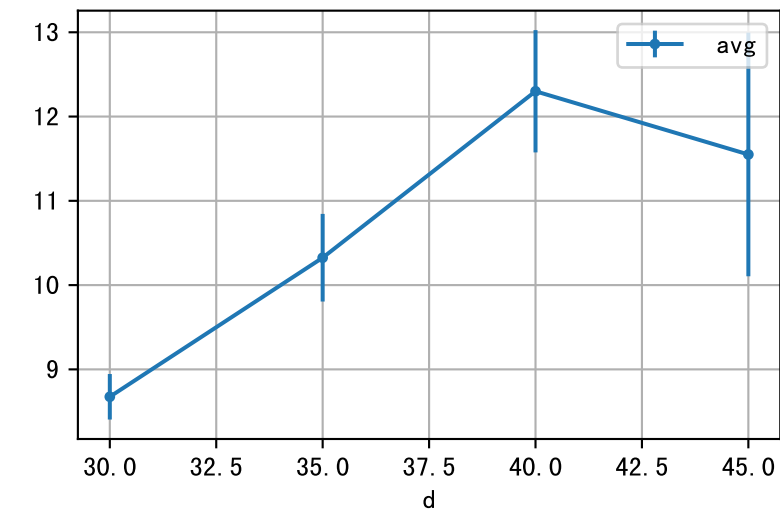
age=20



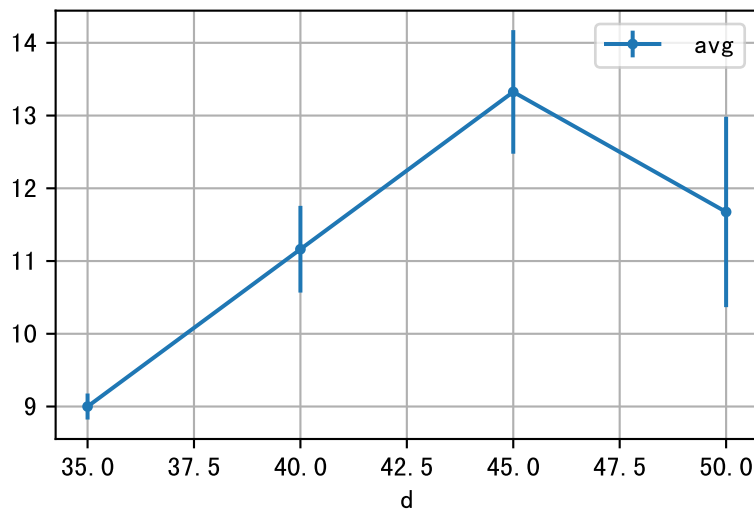
age=25



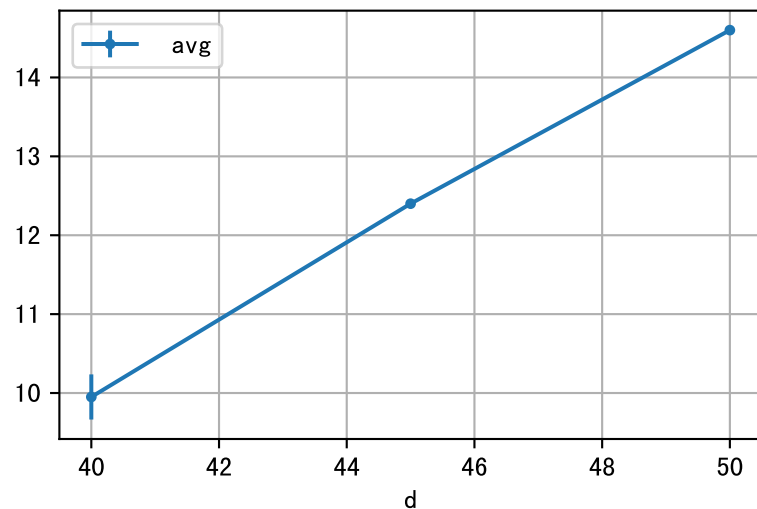
age=30



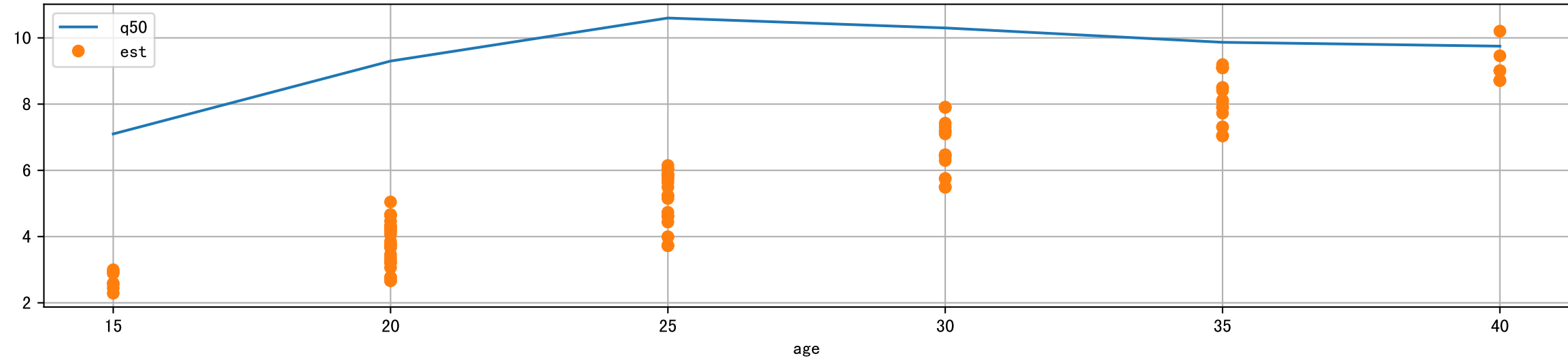
age=35



age=40

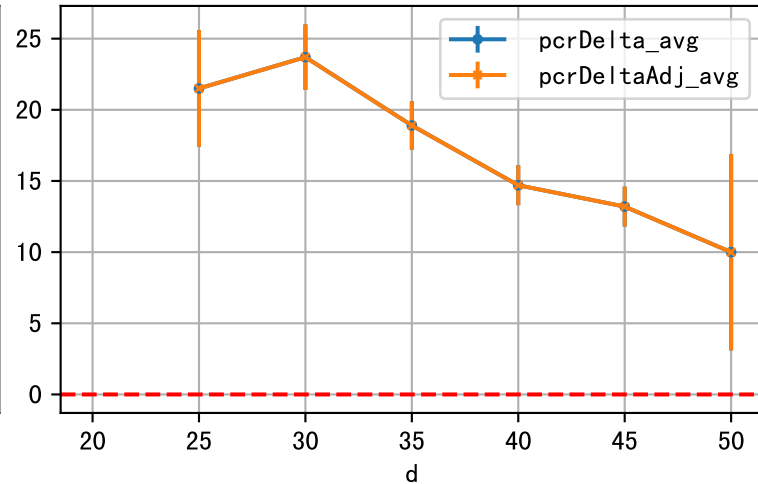


NdD: model est vs obs0v@Q50

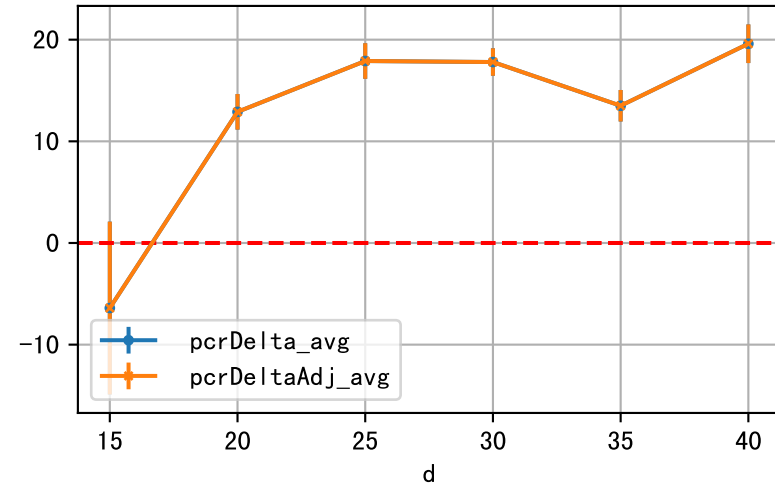


P9AE NdD: D_5d_NdD

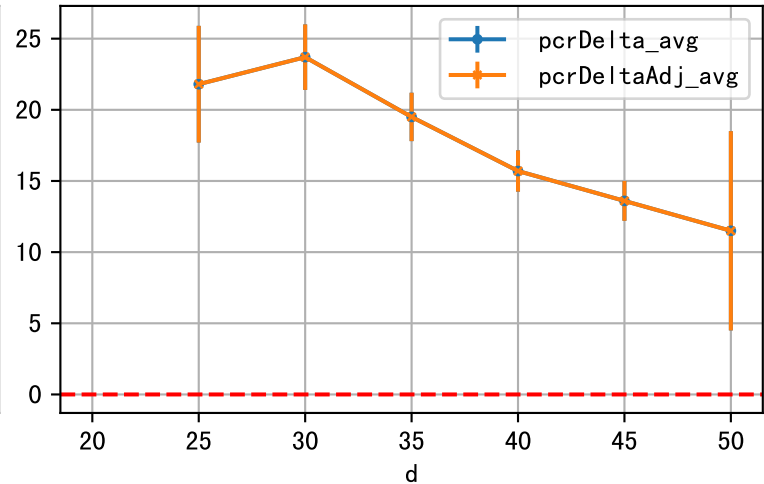
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

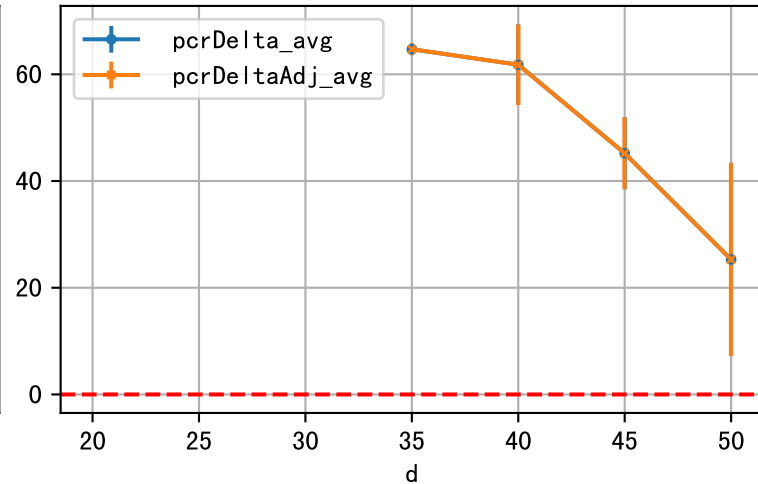


DeltaTypeAbbr=Wei AvgByD

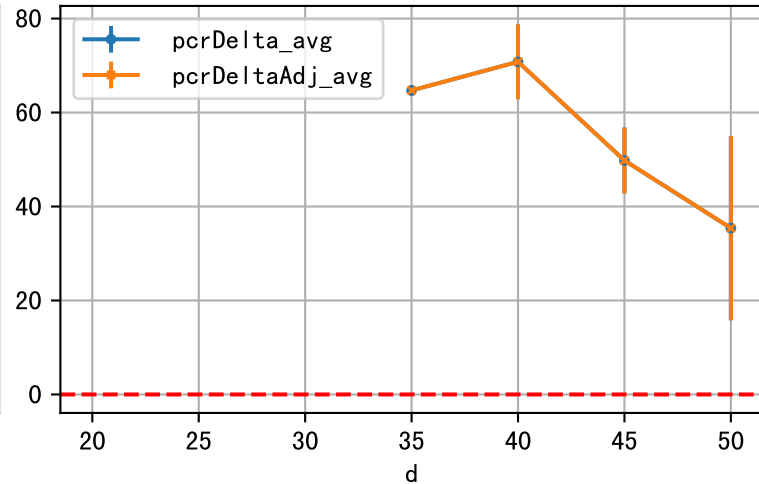


P9AE NdD: D_15d_NdD

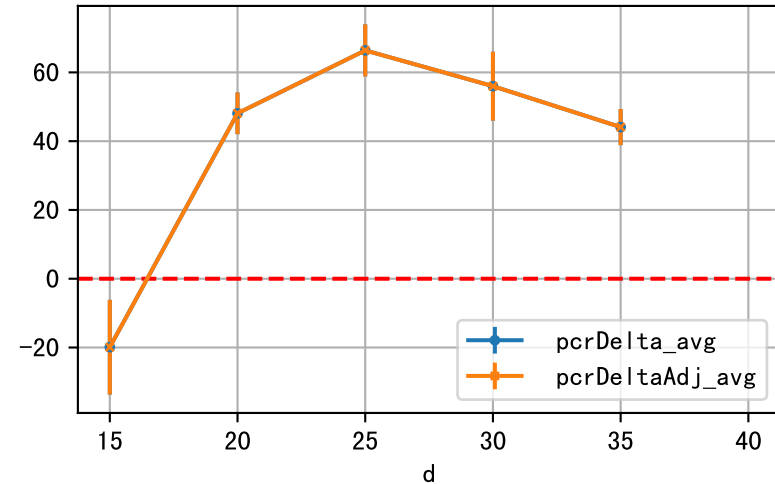
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

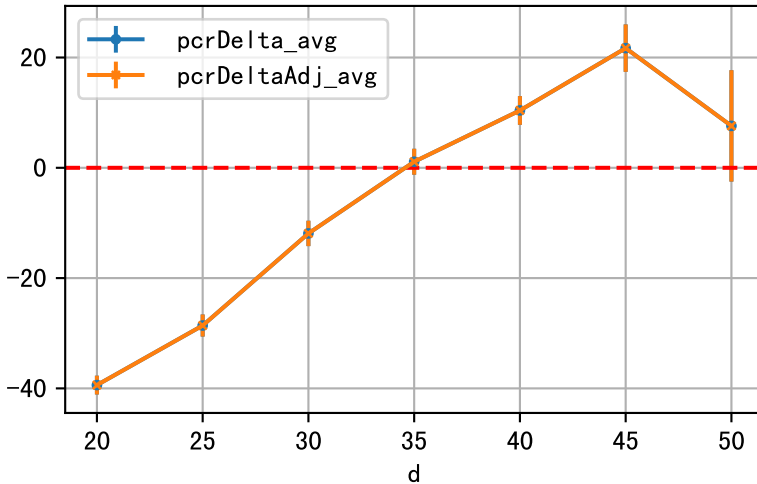


DeltaTypeAbbr=GrpByAge

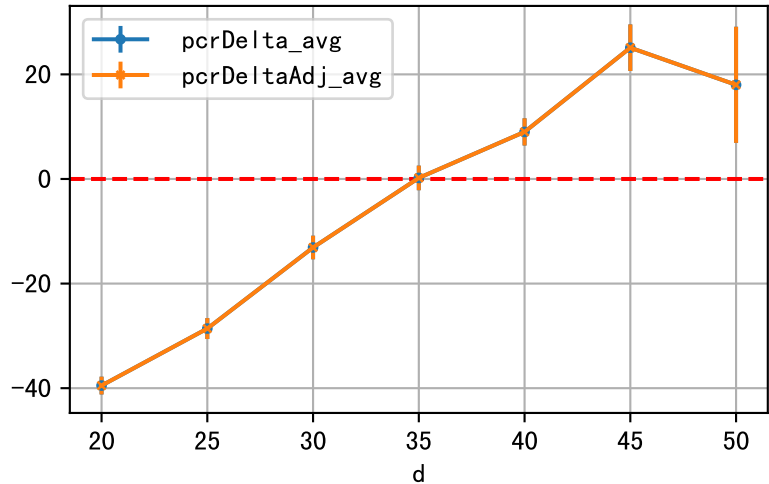


P9AE NdD: D_Q50_NdD

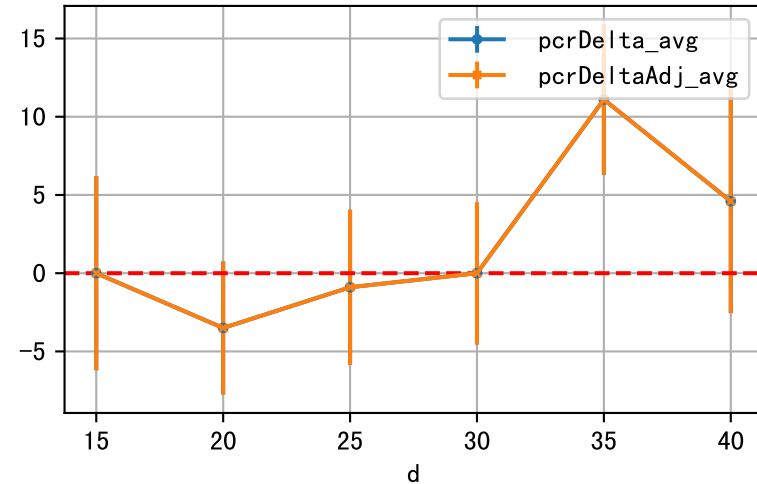
DeltaTypeAbbr=GrpByDay



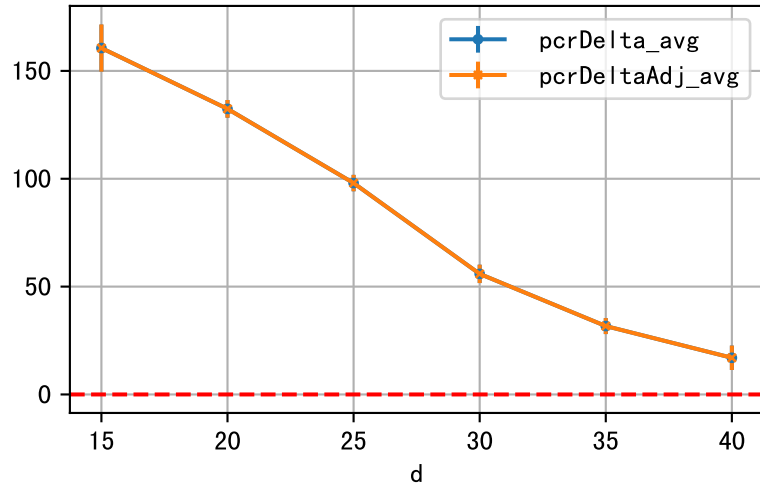
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge

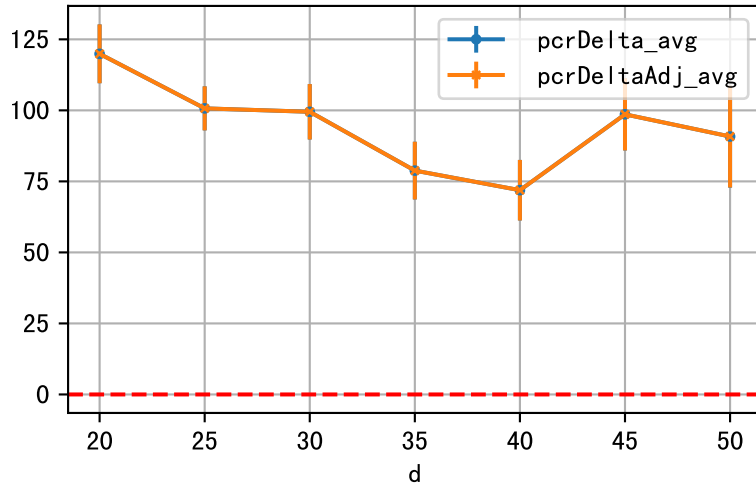


DeltaTypeAbbr=GrpByAge

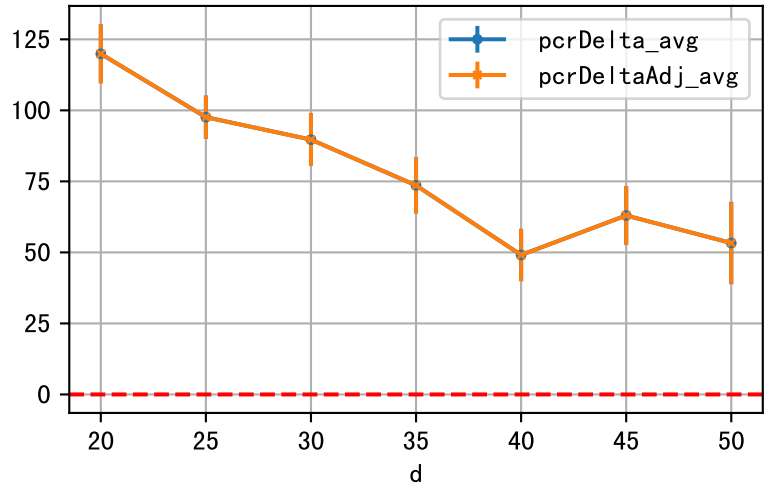


P9AE NdD: D_Est_NdD

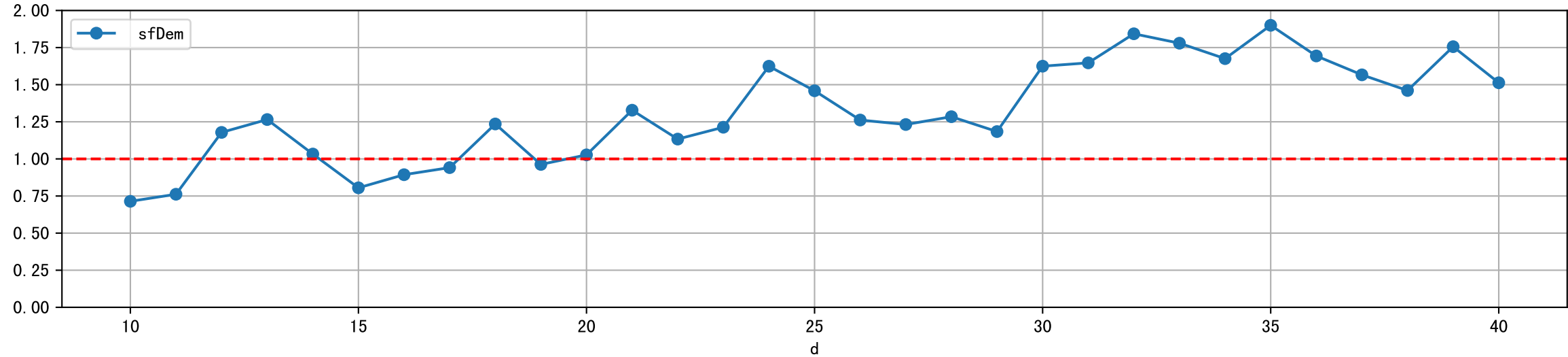
DeltaTypeAbbr=GrpByDay

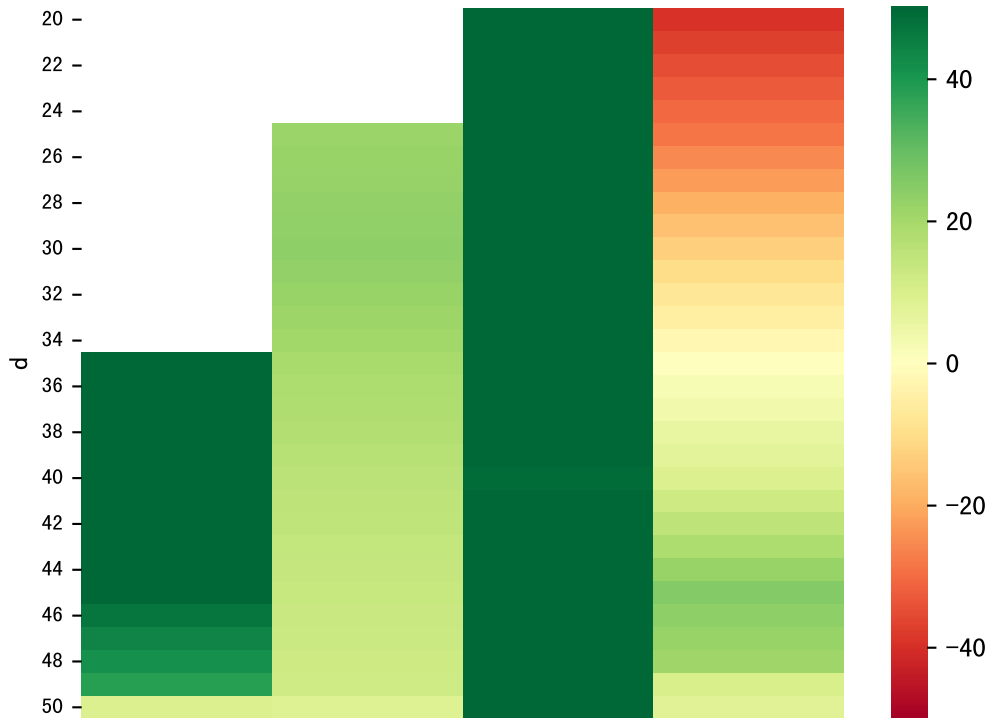


DeltaTypeAbbr=Wei AvgByD

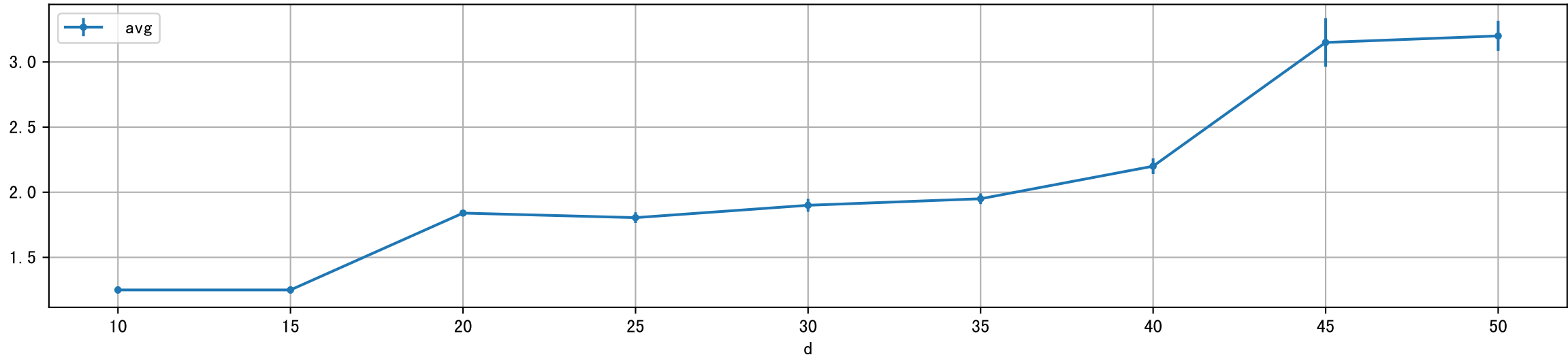


NdD: sfDem

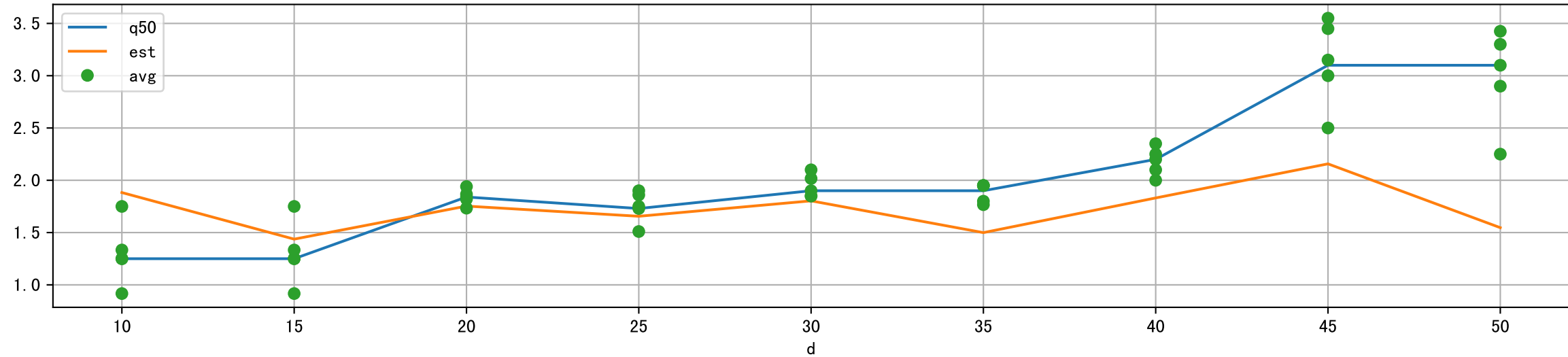




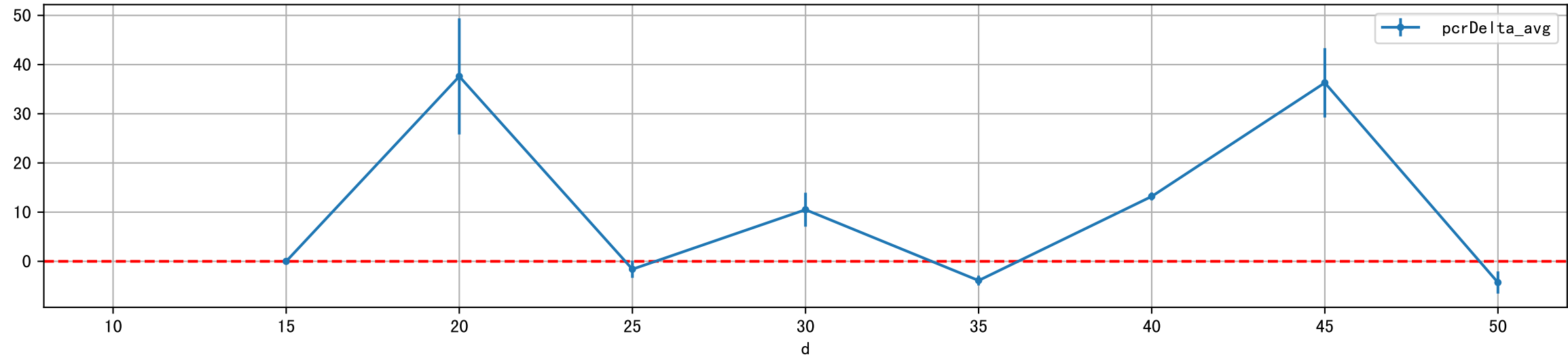
dStH: avg vs. d



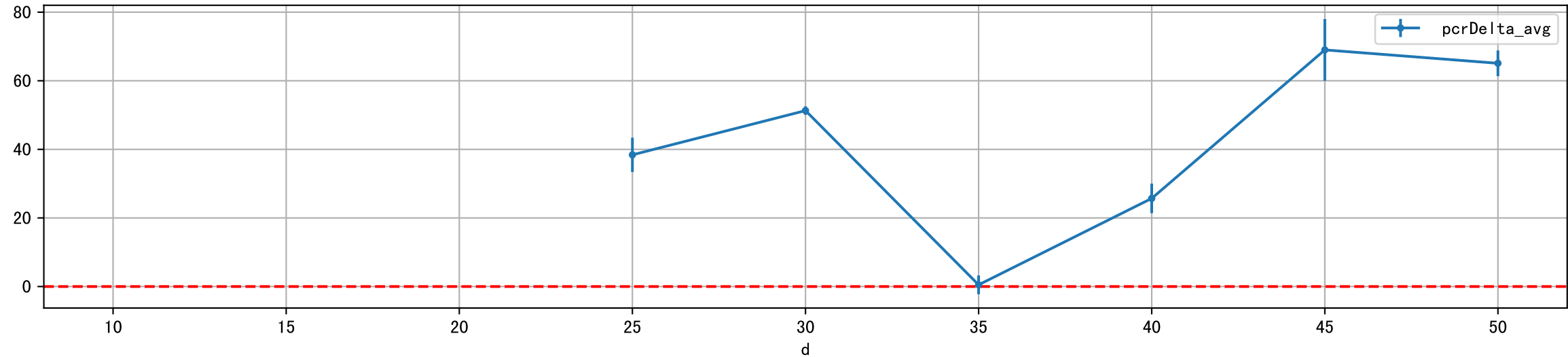
dStH: obsAvg vs obs0v@Q50



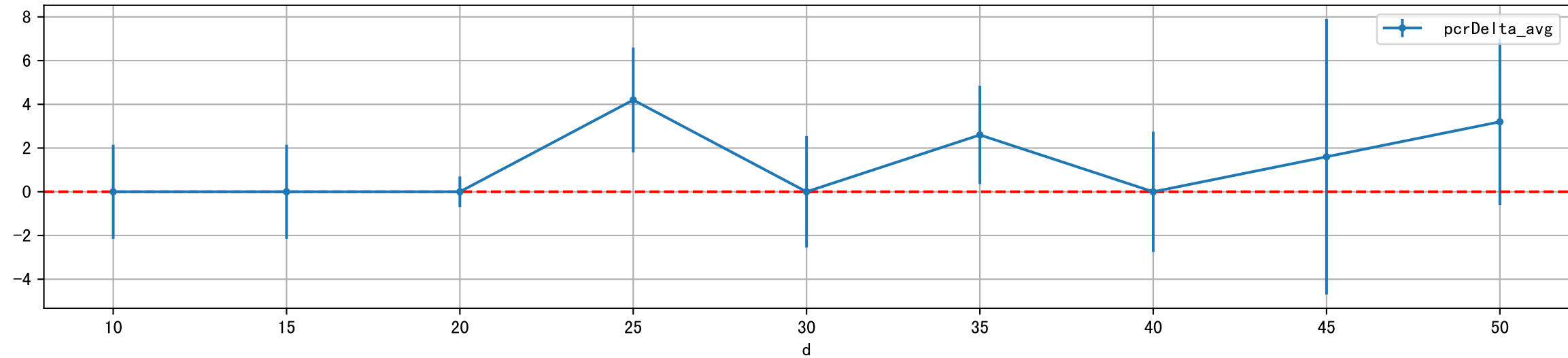
dStH: D_5d_StH



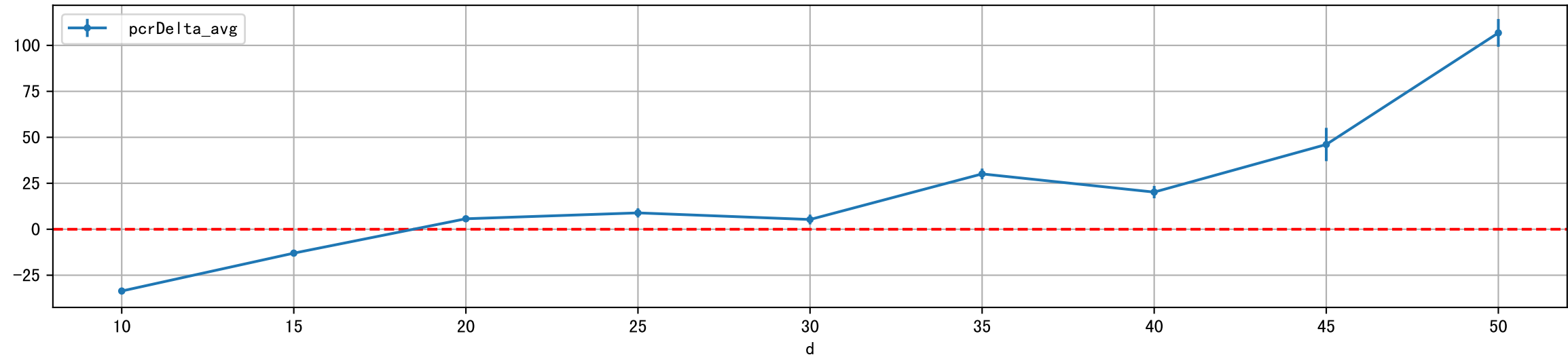
dStH: D_15d_StH



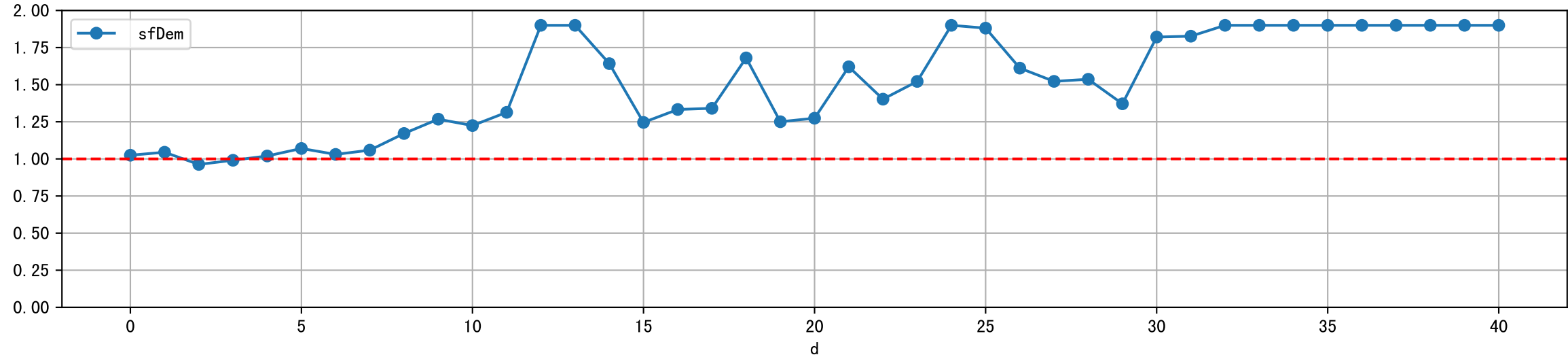
dStH: D_Q50_StH

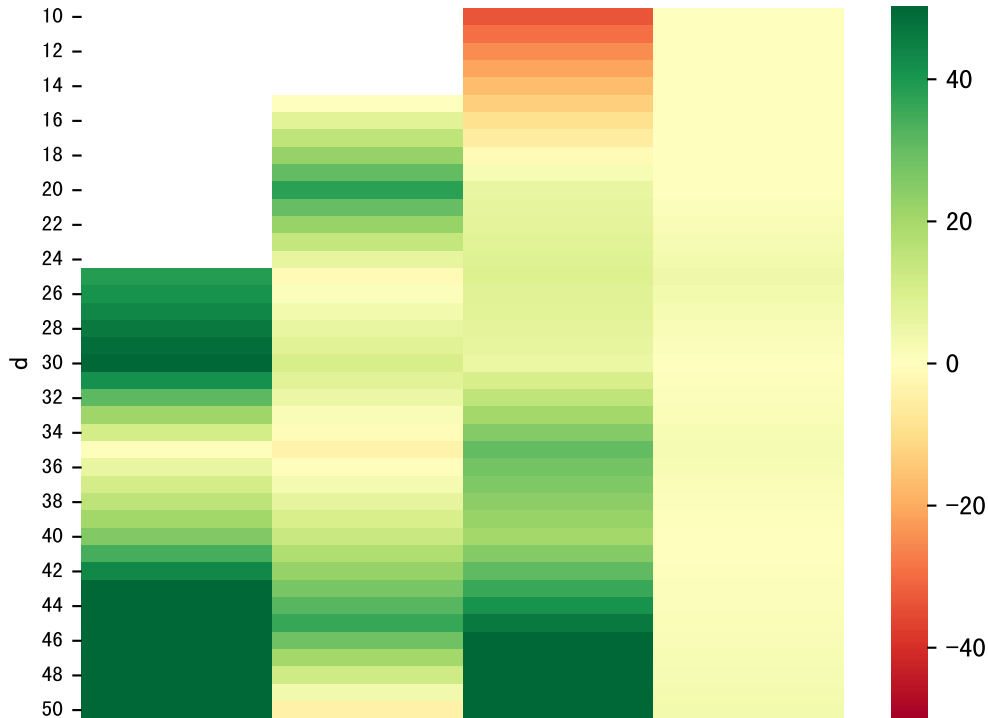


dStH: D_Est_StH



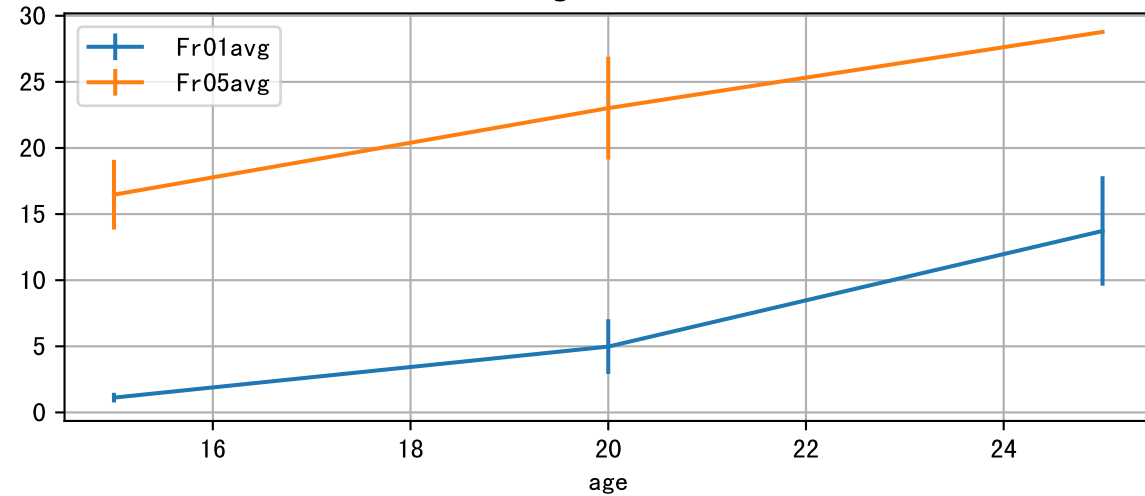
dStH: sfDem



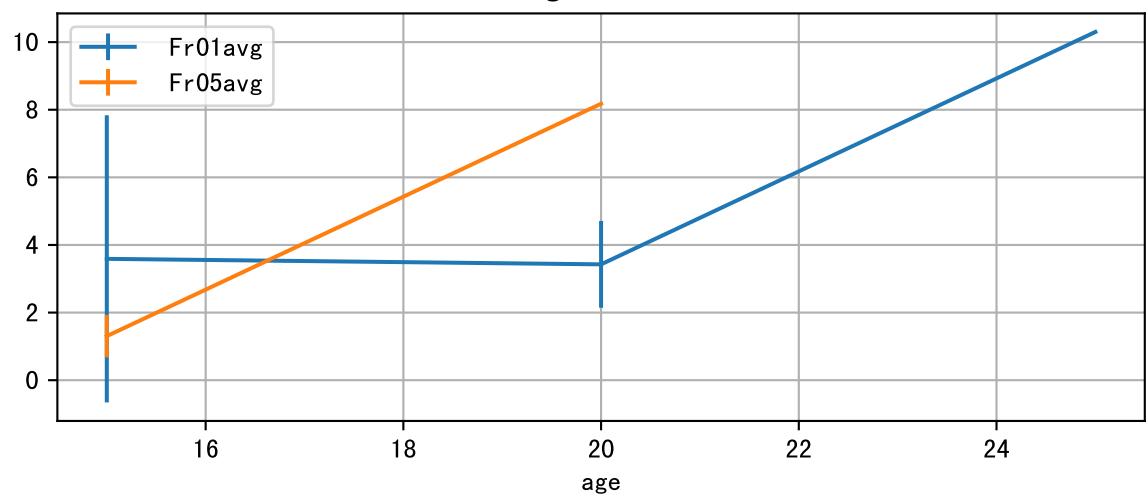


FrV: Fr01 vs Fr05 at each truss

organID=T01

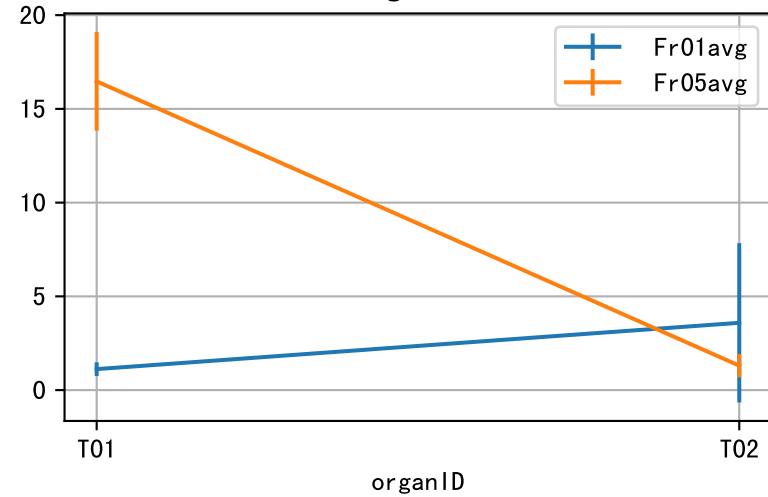


organID=T02

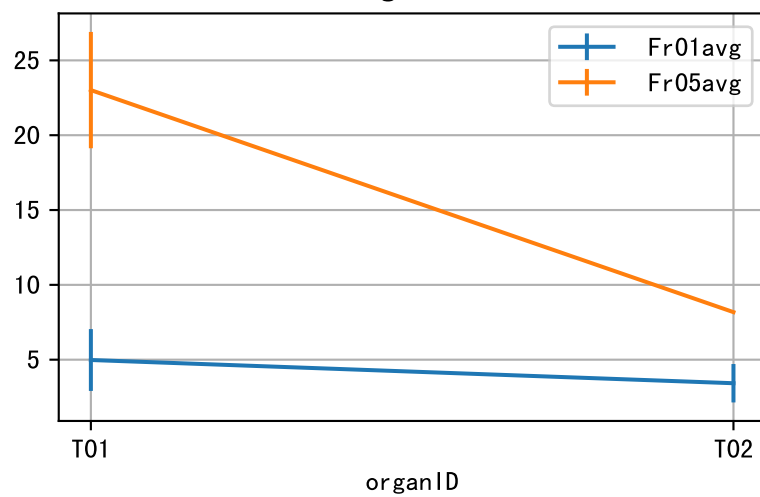


FrV trend at each age

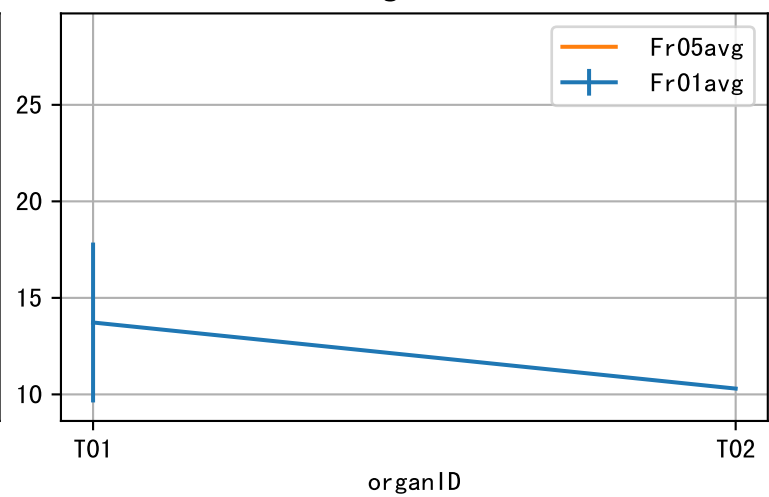
age=15



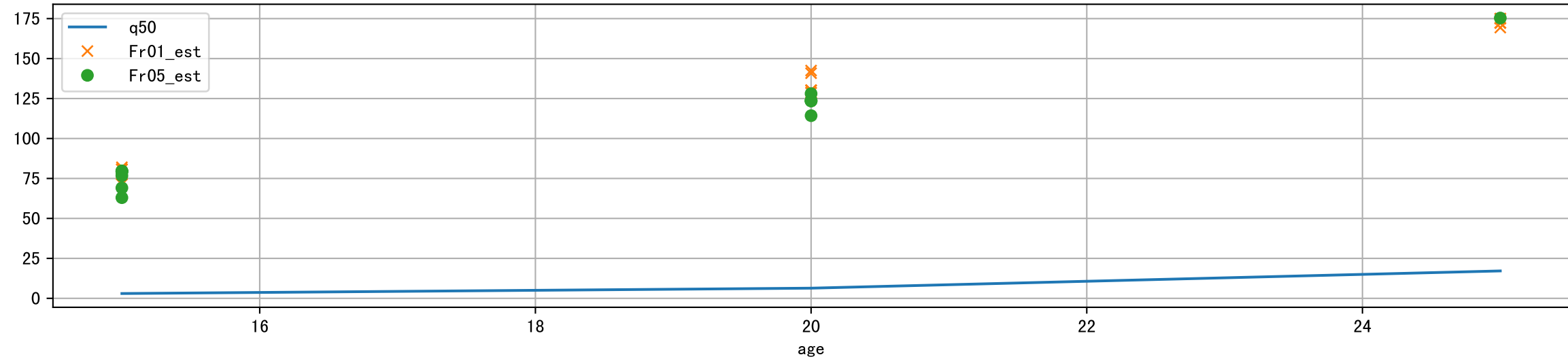
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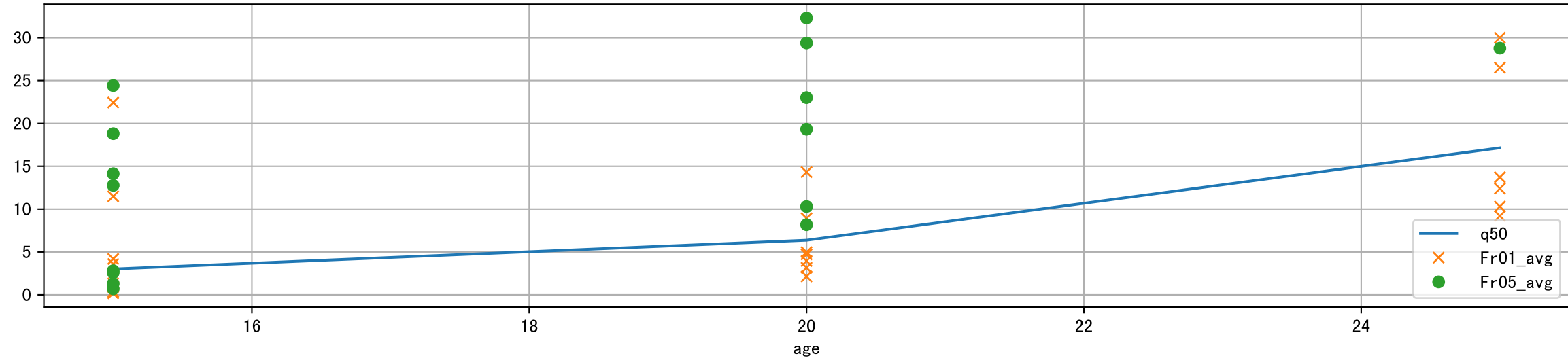
age=25



FrV: model Est vs obsFrV at Q90

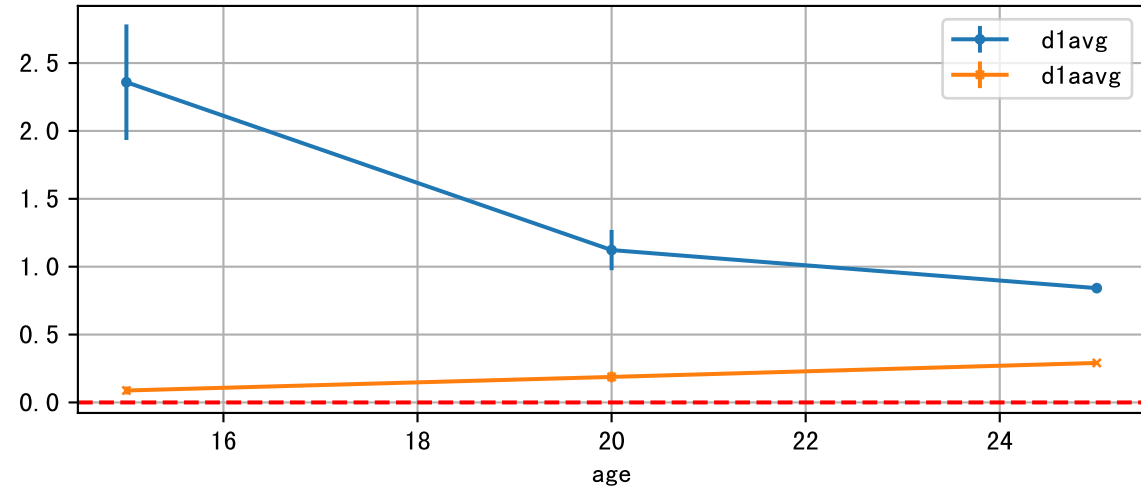


FrV: obsFrV vs obsFrV@Q90

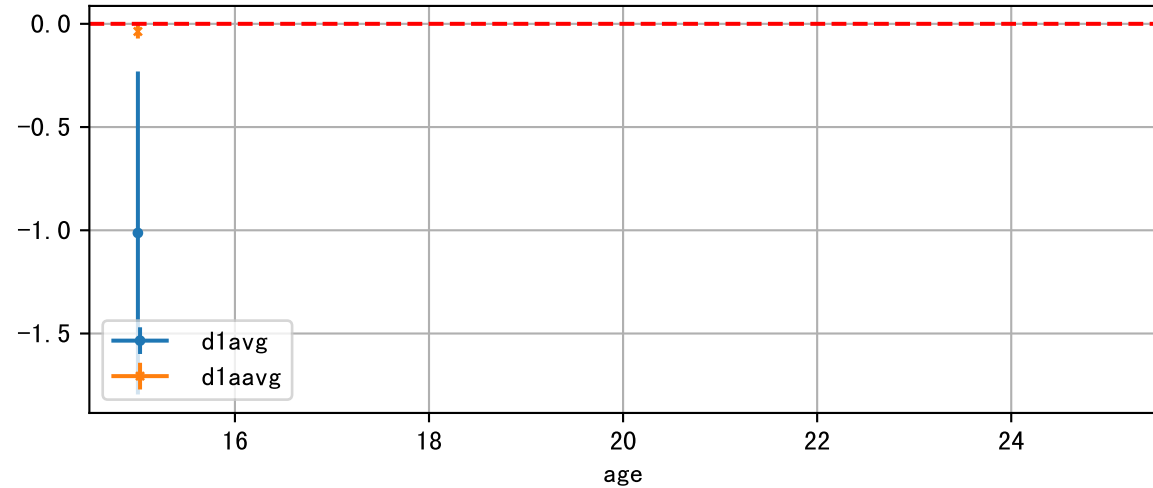


FrV: D_Fr1_FrV

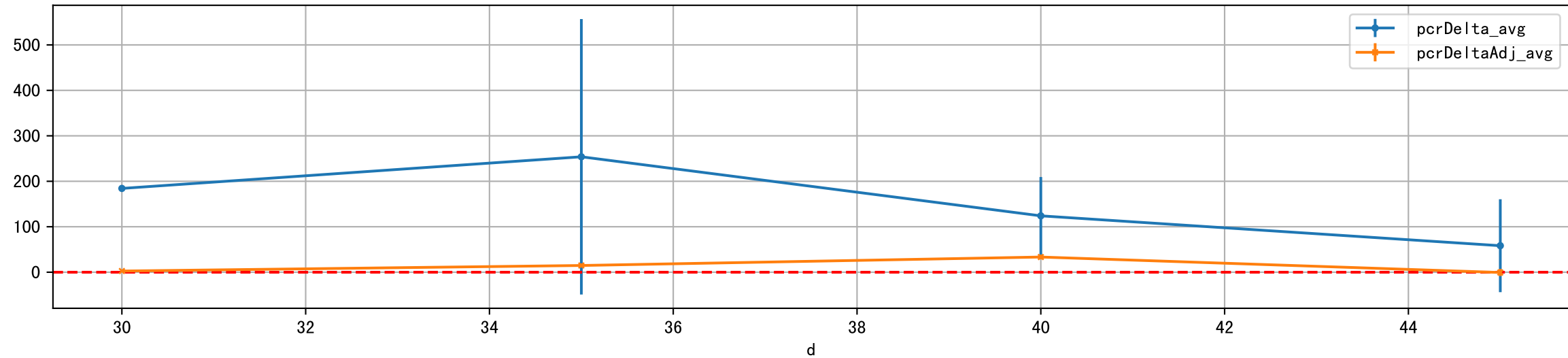
organID=1



organID=2

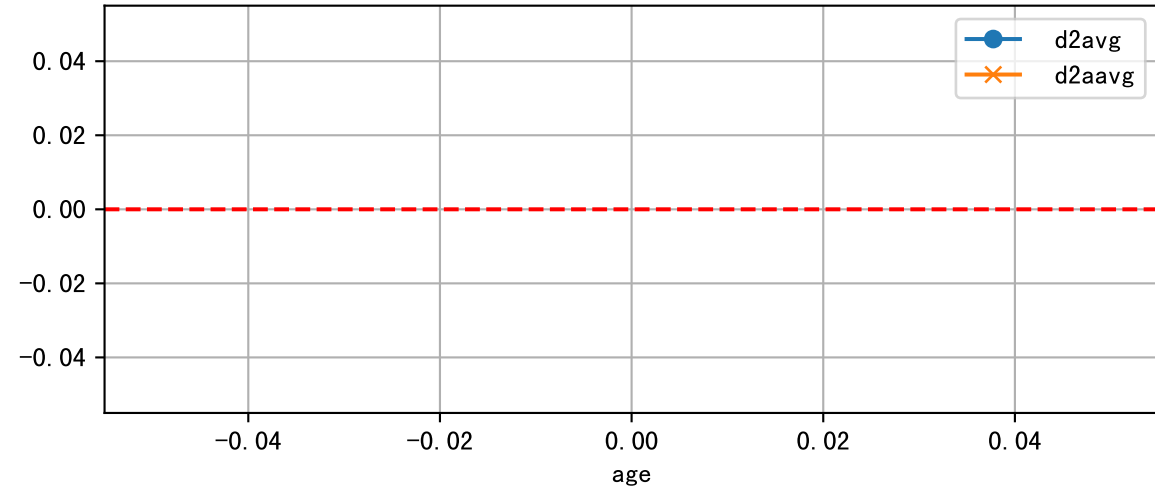


P9AE FrV: D_Fr1_FrV

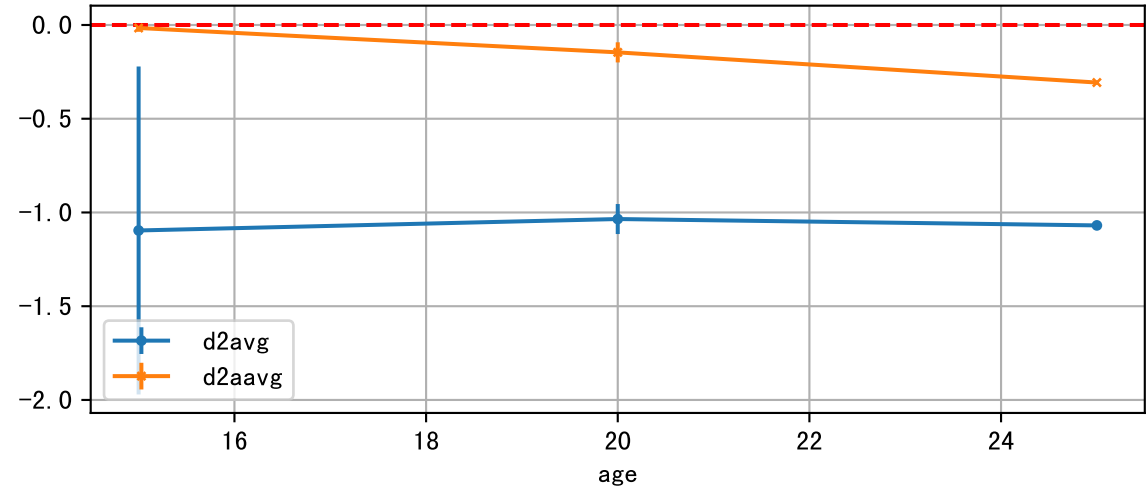


FrV: D_Ts_FrV

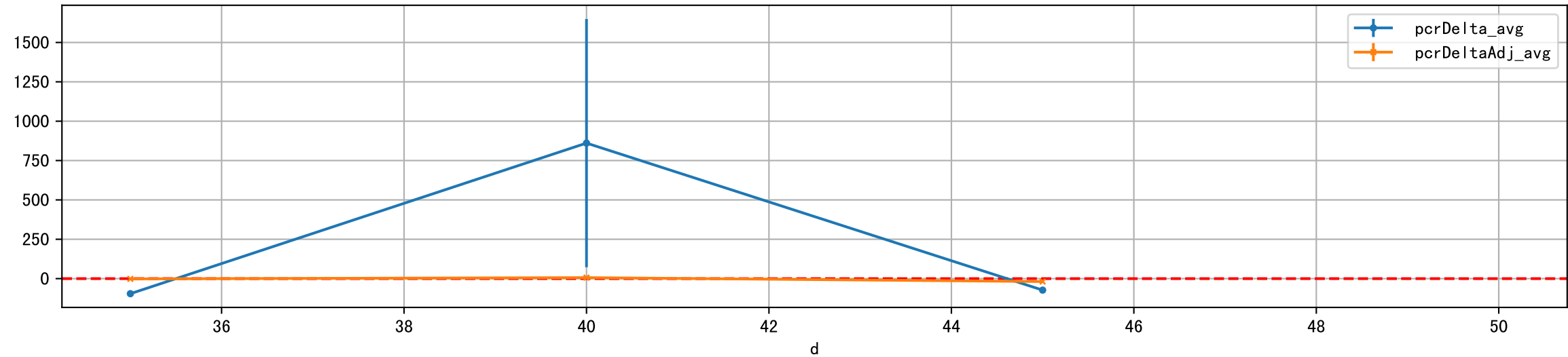
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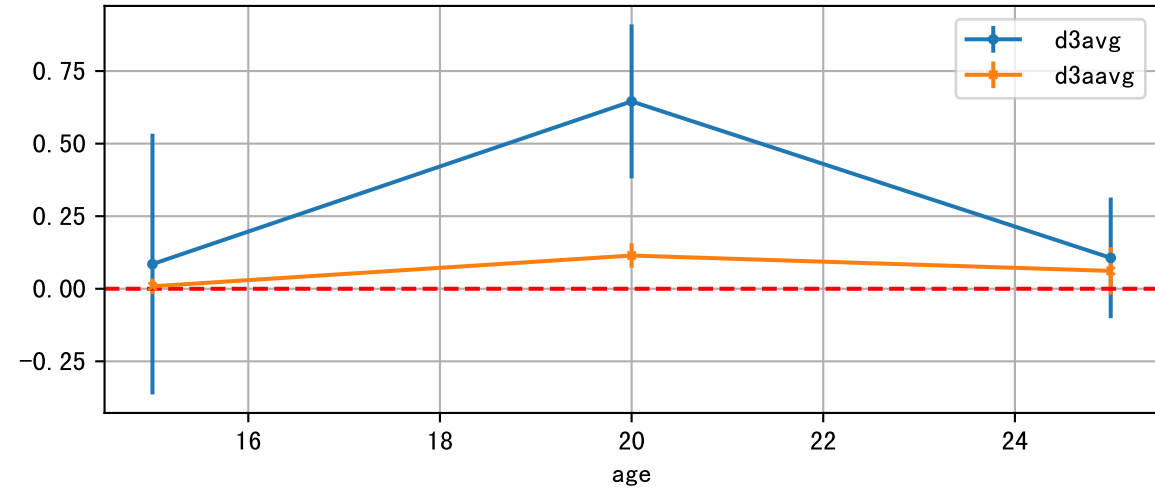


P9AE FrV: D_Ts_FrV

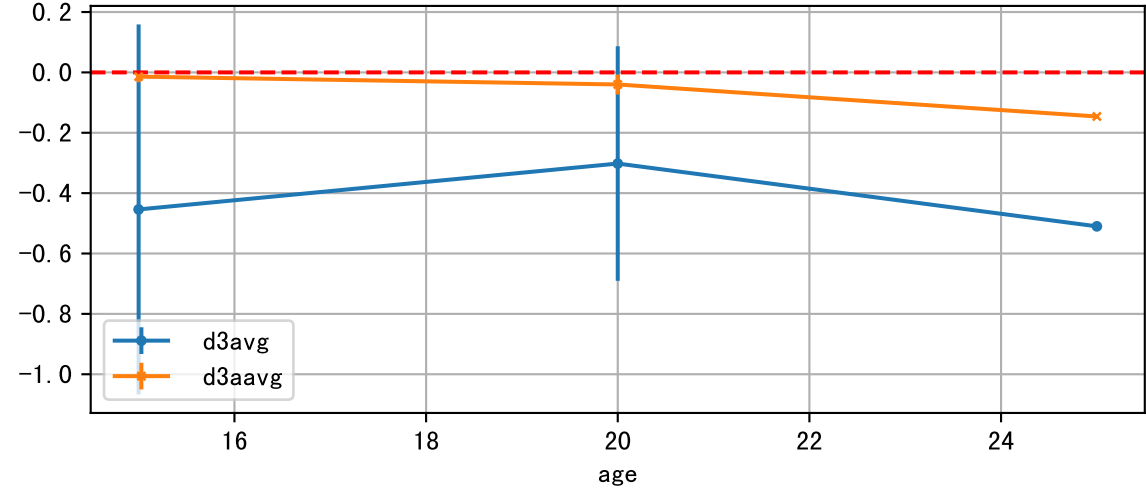


FrV: D_Q50_FrV

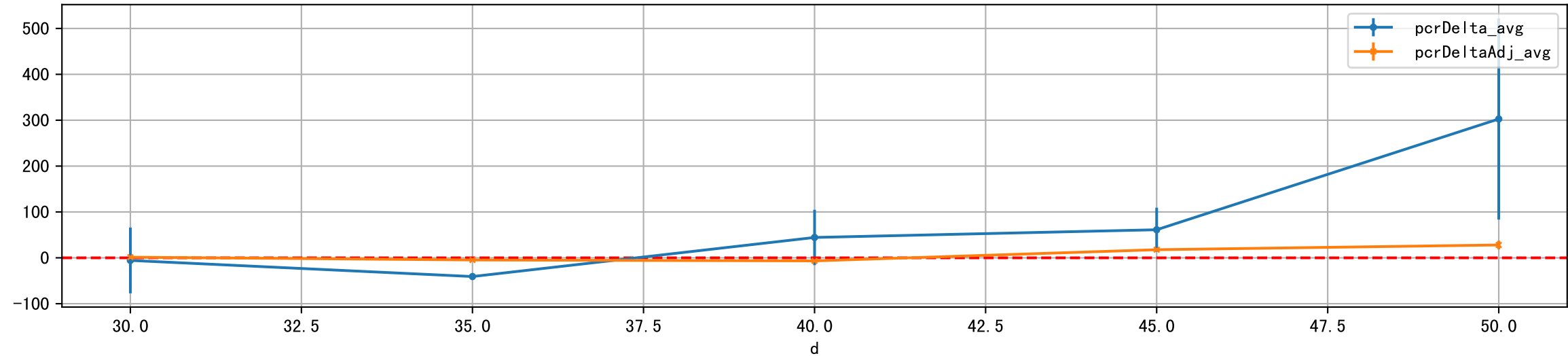
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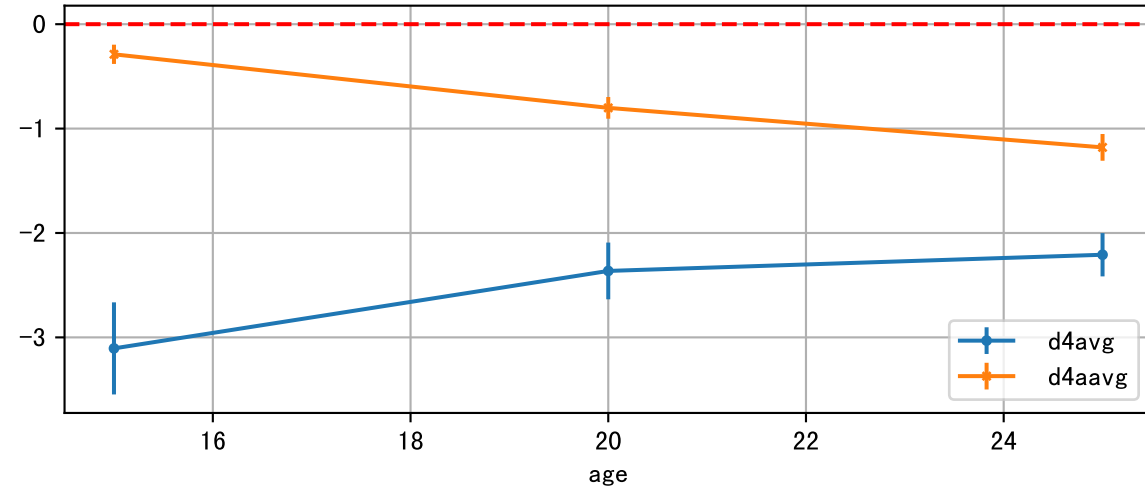


P9AE FrV: D_Q50_FrV



FrV: D_Est_FrV

organID=1



organID=2

