

Phenotype Data Analysis Plots

PhenoData day range = 10 – 58

Analysis cutoff day = 58

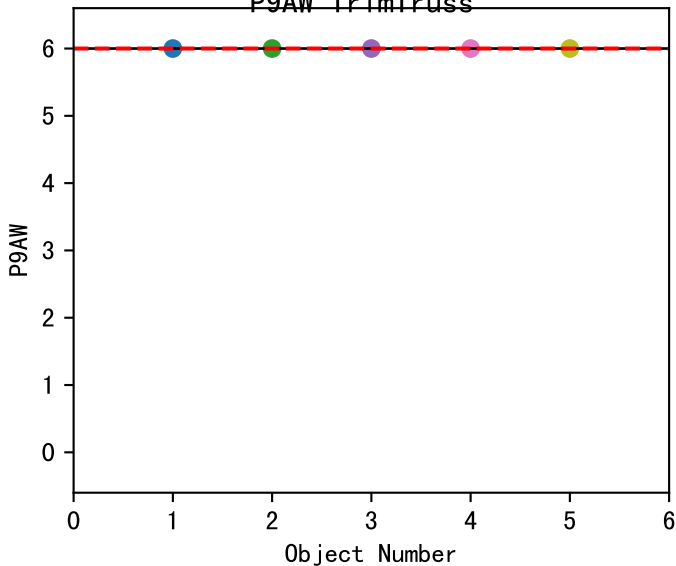
NC11 P9

2025-05-29 (Day 59)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

P9AW TrimTruss



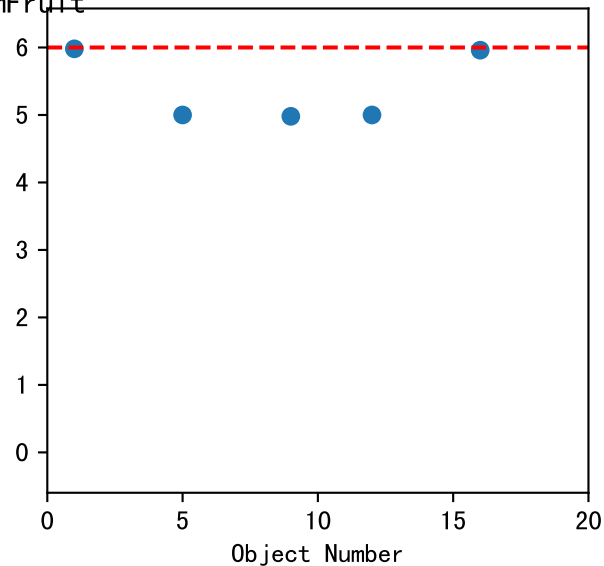
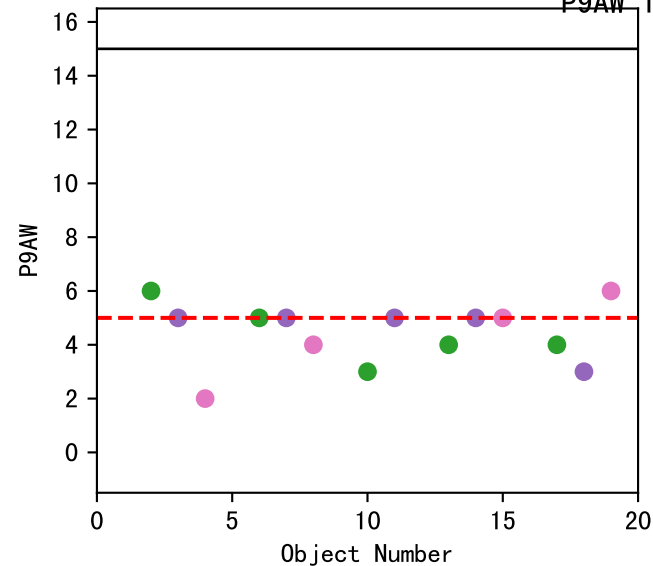
FruitNumAvgPerTruss (Def=15 Set=5)

avg1=5.0~19% avg2=na

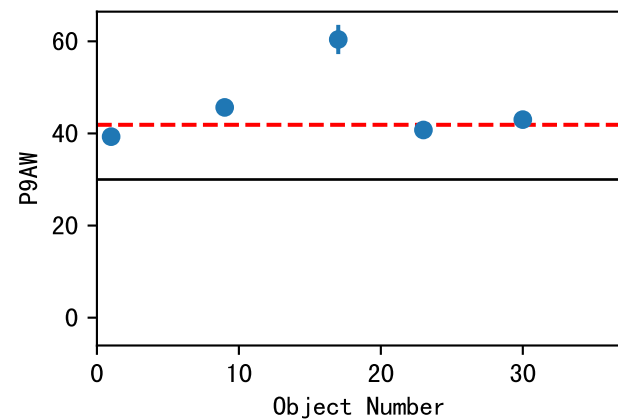
P9AW TrimFruit

FruitNumMaxPerTruss (Def=na Set=6)

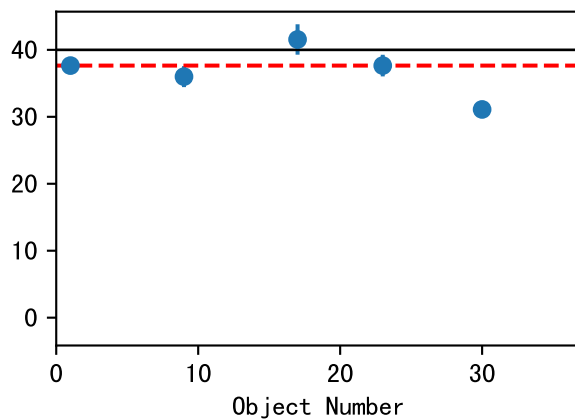
avg1=6.0~9% avg2=na



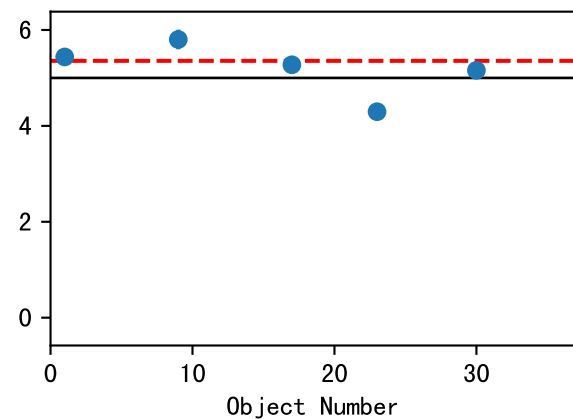
LfW_Q90AbsY (Def=30 Set=41.88)
avg1=41.88~7% avg2=na



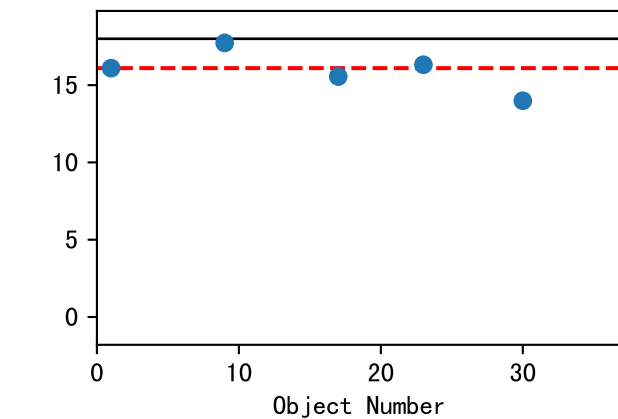
LfL_Q90AbsY (Def=40 Set=37.65)
avg1=37.65~3% avg2=na



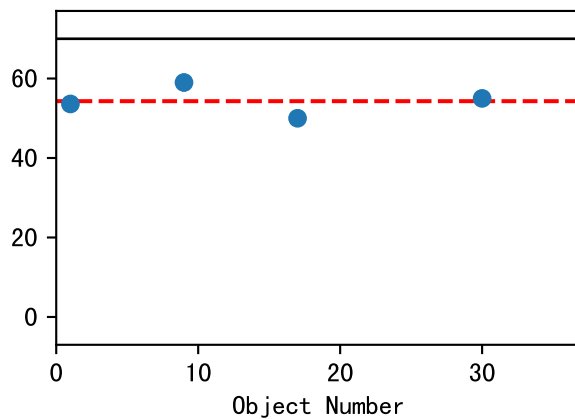
NdL_Q90AbsY (Def=5 Set=5.36)
avg1=5.36~5% avg2=na



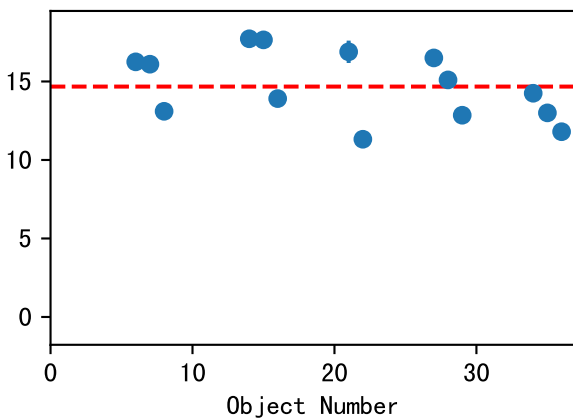
NdD_Q90AbsY (Def=18 Set=16.1)
avg1=16.1~2% avg2=na



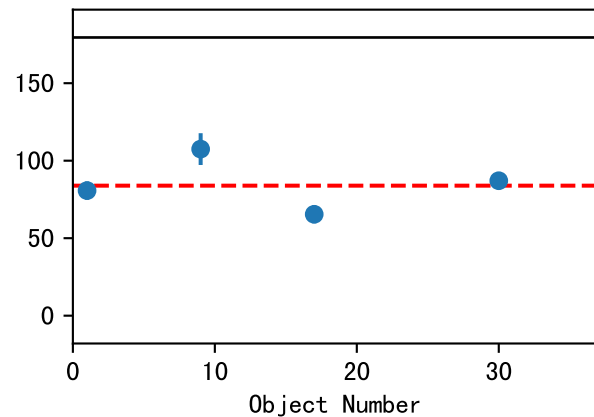
FrD_Q90AbsY (Def=70 Set=54.3)
avg1=54.3~7% avg2=na



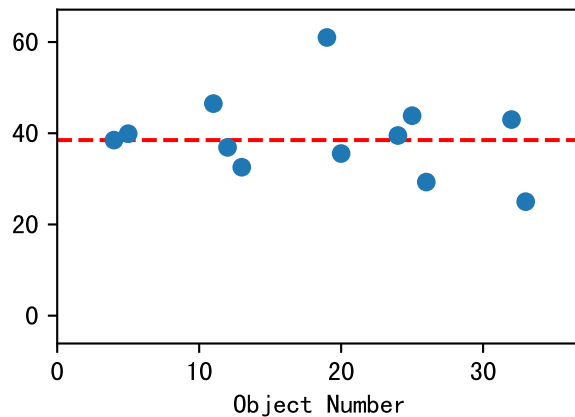
NdD_avgAbsY (Def=na Set=14.68)
avg1=14.68~15% avg2=na



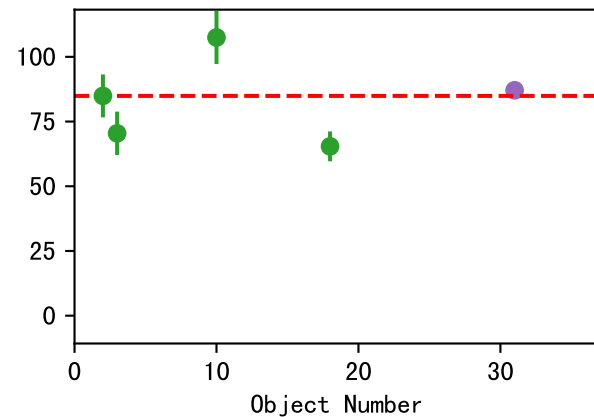
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=83.89~21% avg2=na



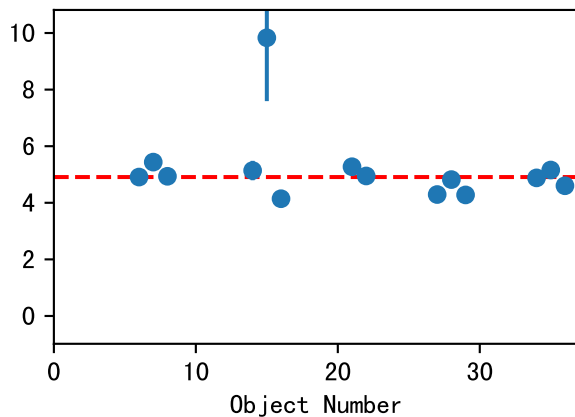
LfW_avgAbsY (Def=na Set=38.5)
avg1=38.5~17% avg2=na



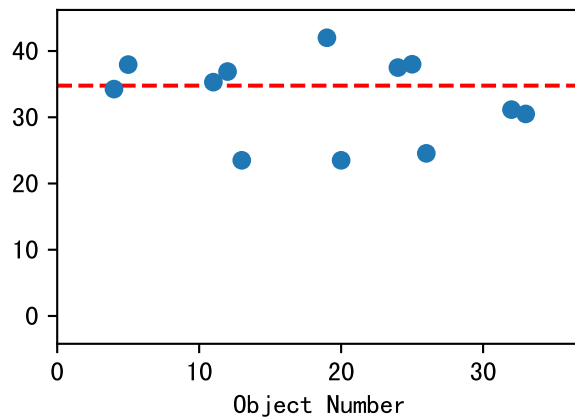
FrV_avgAbsY (Def=na Set=84.91)
avg1=84.91~19% avg2=na



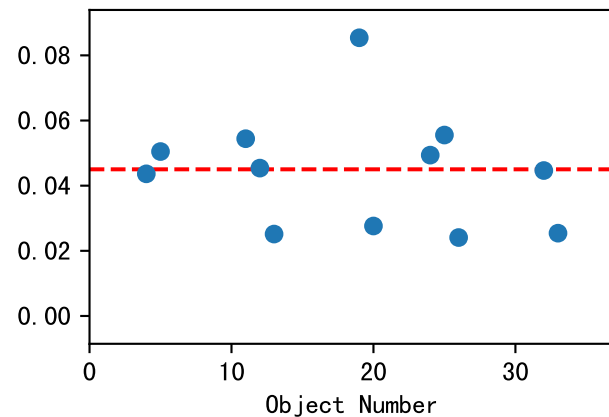
NdL_avgAbsY (Def=na Set=4.91)
avg1=4.91~8% avg2=na



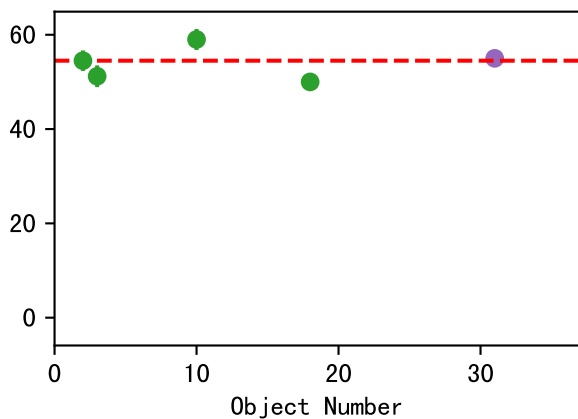
LfL_avgAbsY (Def=na Set=34.77)
avg1=34.77~18% avg2=na



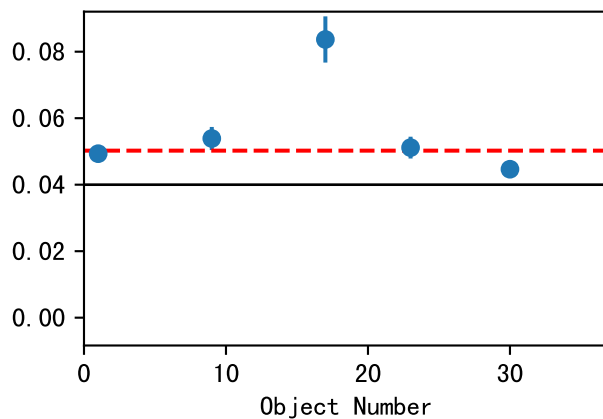
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~39% avg2=na



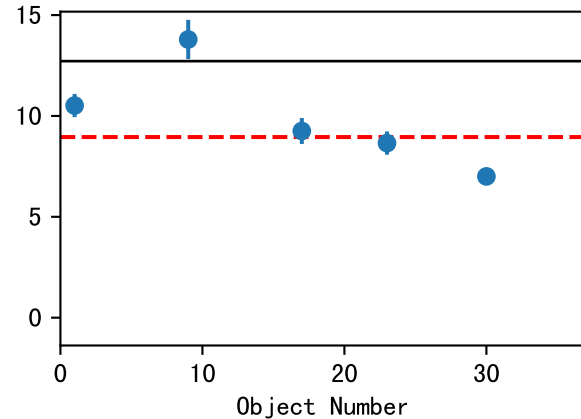
FrD_avgAbsY (Def=na Set=54.5)
avg1=54.5~6% avg2=na



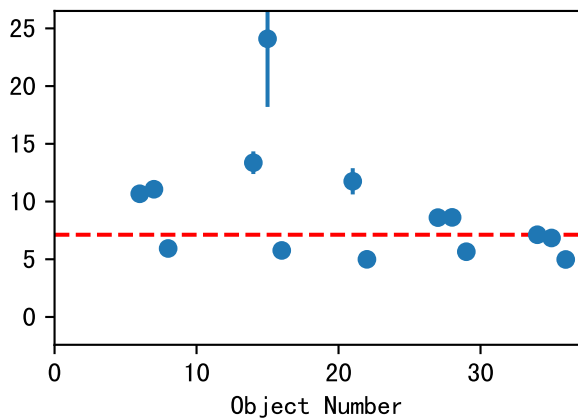
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.05~8% avg2=na



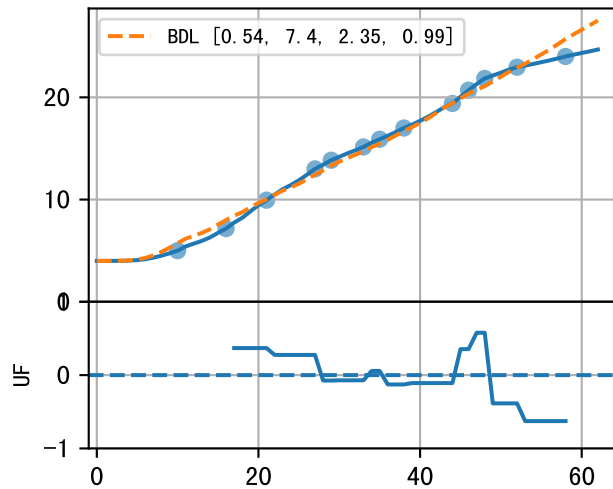
NdV_Q90AbsY (Def=12.72 Set=12.72)
avg1=8.95~16% avg2=na



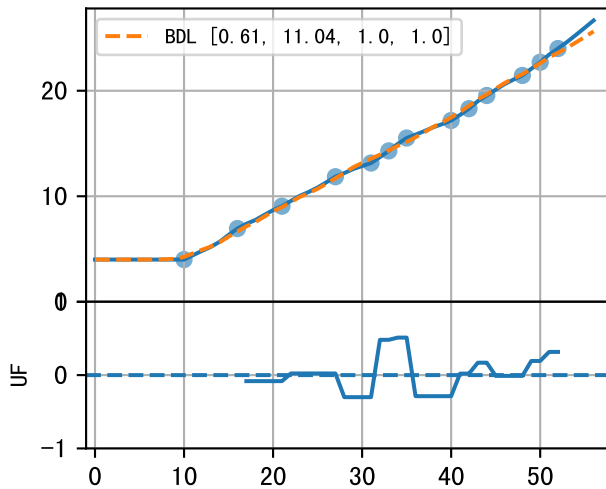
NdV_avgAbsY (Def=na Set=7.12)
avg1=7.12~40% avg2=na



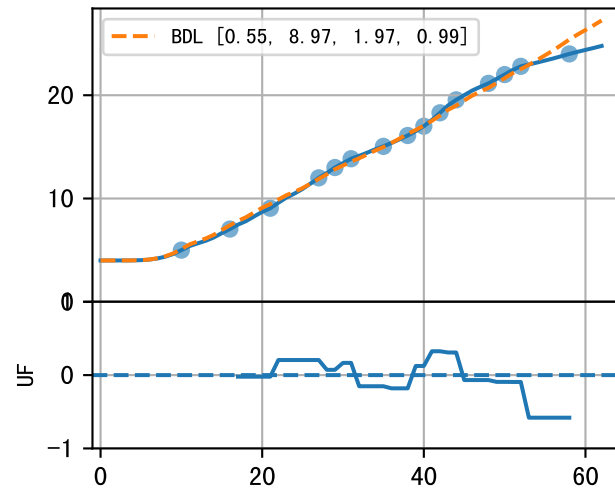
P9AW-005-13 (fit failed)



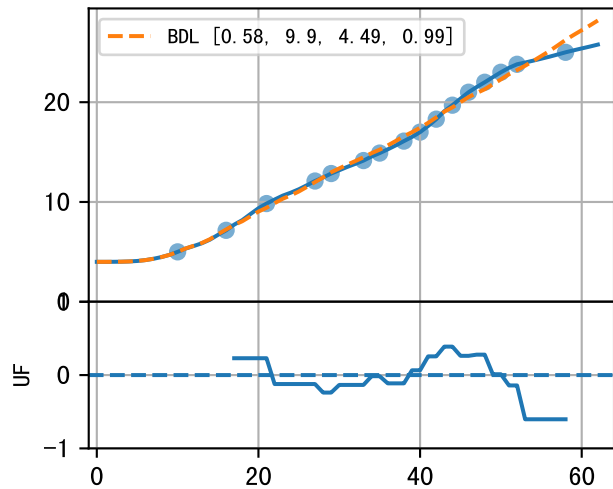
P9AW-017-26 (fit failed)



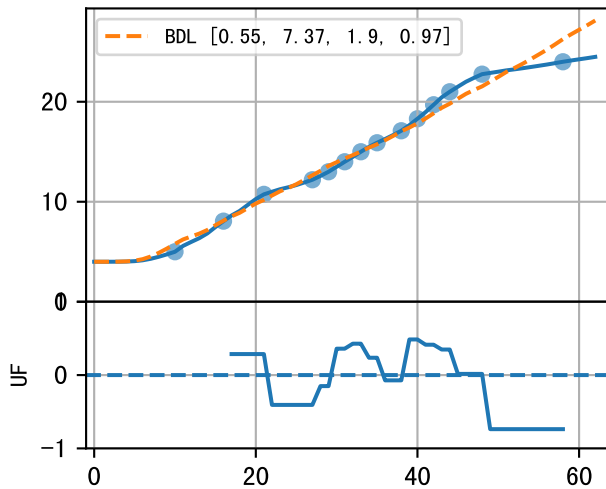
P9AW-029-11 (fit failed)



P9AW-040-22 (fit failed)



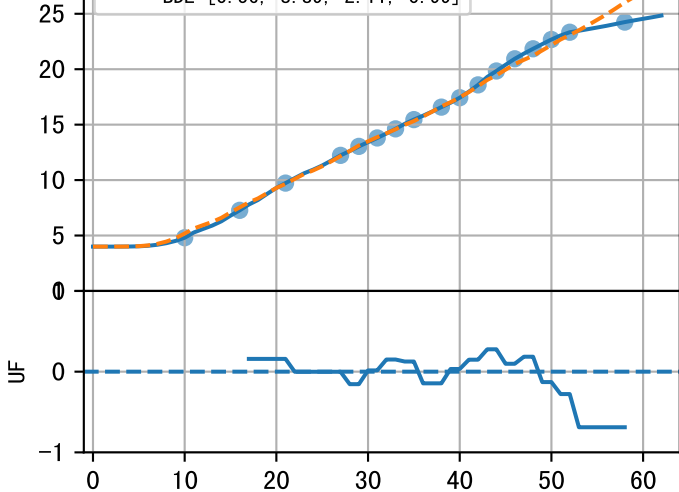
P9AW-052-18 (fit failed)



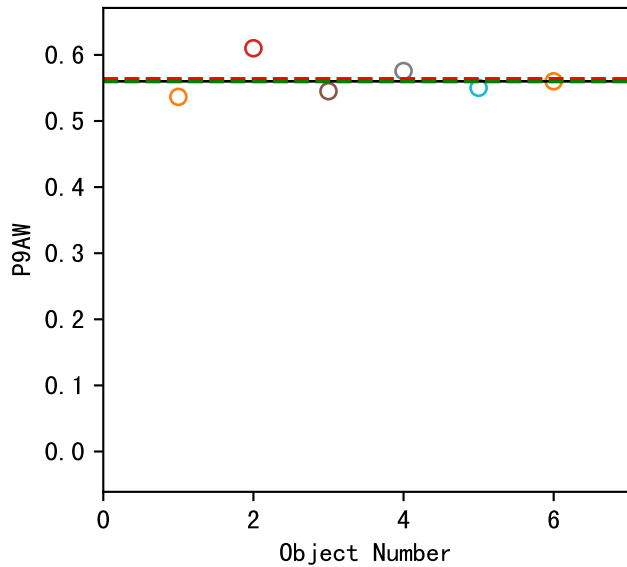
P9AWavg (fit failed)

NdN

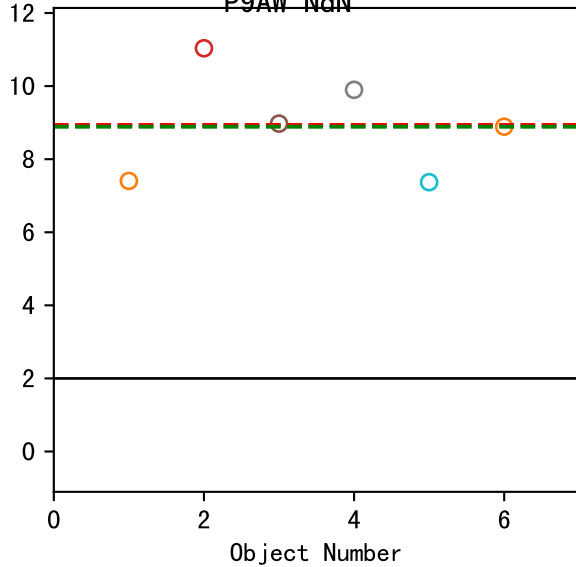
BDL [0.56, 8.89, 2.11, 0.99]



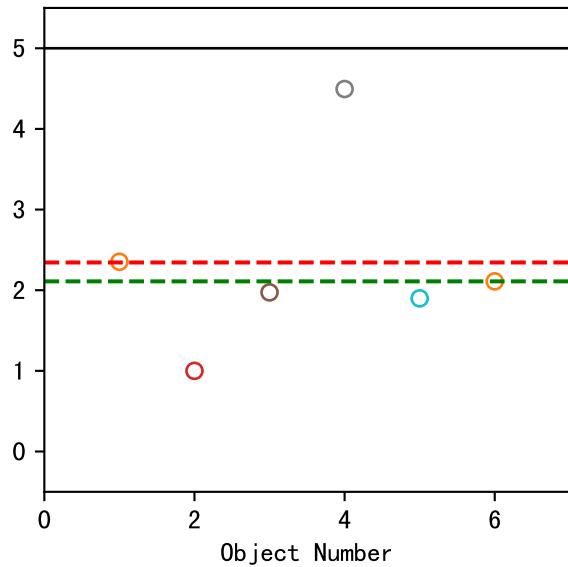
a (Def=0.56 Set=0.56)
avg1=0.56(fail) avg2=0.56



dm (Def=2 Set=8.89)
avg1=8.94(fail) avg2=8.89

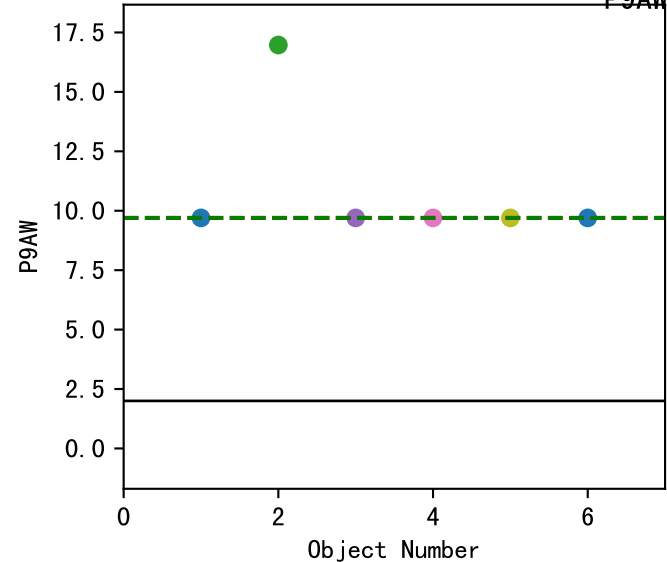


de (Def=5 Set=2.11)
avg1=2.34(fail) avg2=2.11



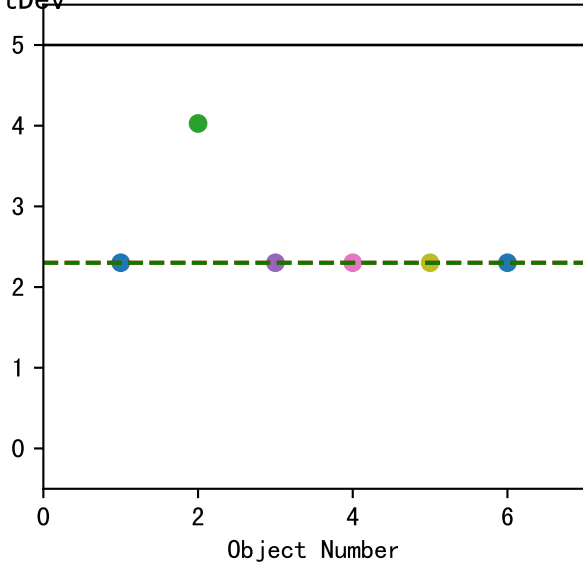
InitDev_dm (Def=2 Set=9.7)
avg1=9.7~0% avg2=9.7

P9AW

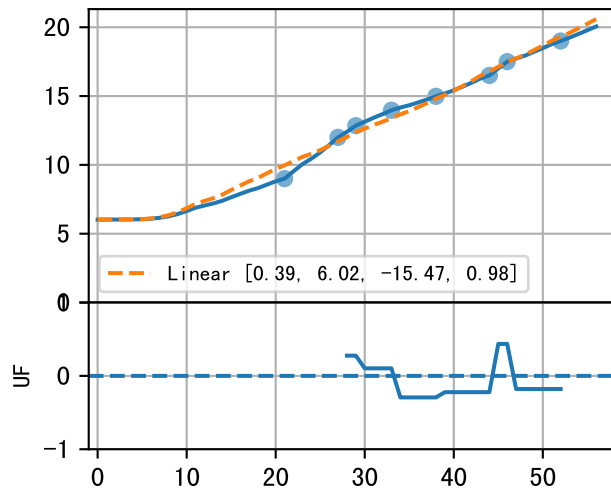


InitDev_de (Def=5 Set=2.3)
avg1=2.3~0% avg2=2.3

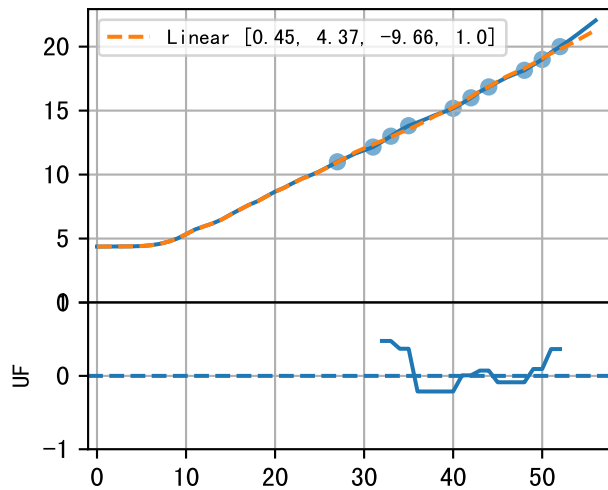
InitDev



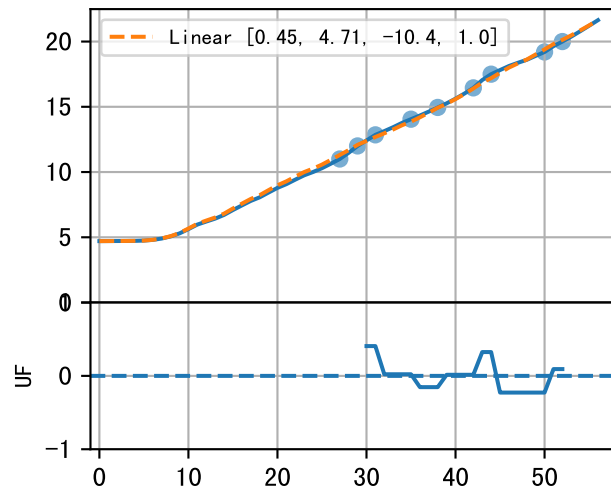
P9AW-005-13



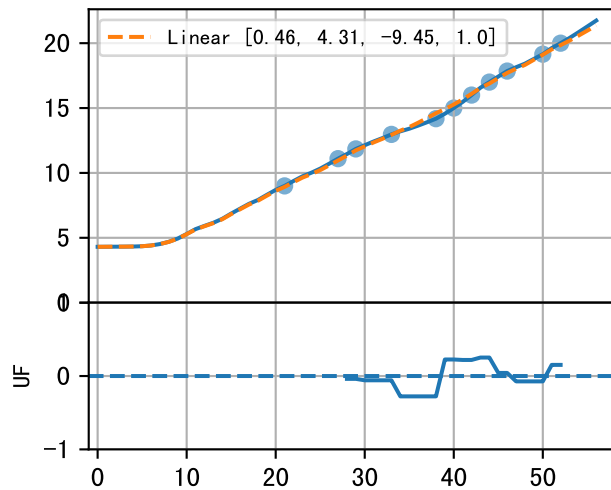
P9AW-017-26



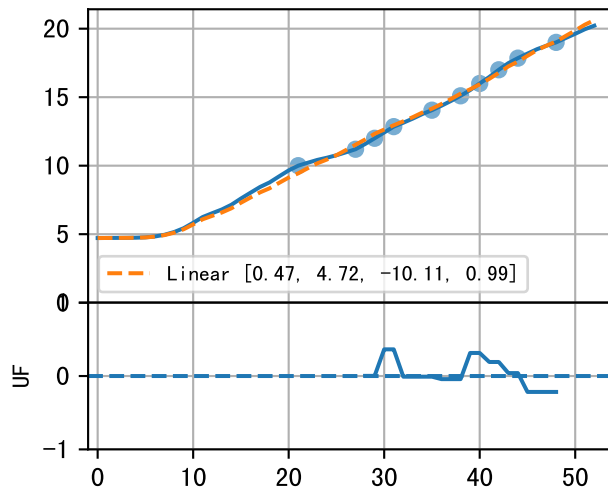
P9AW-029-11



P9AW-040-22



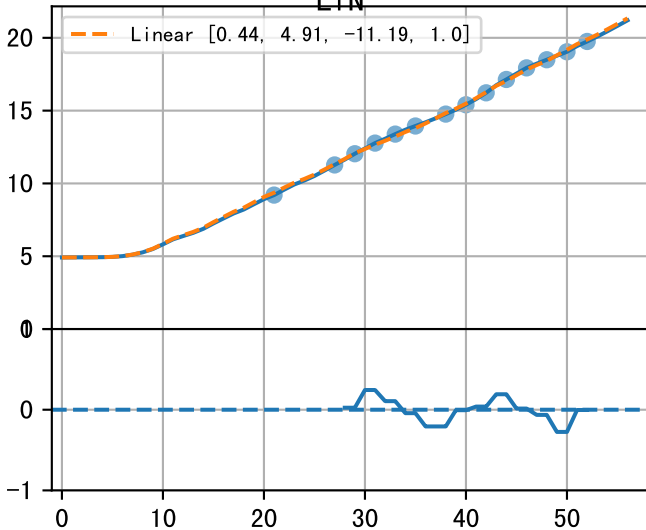
P9AW-052-18



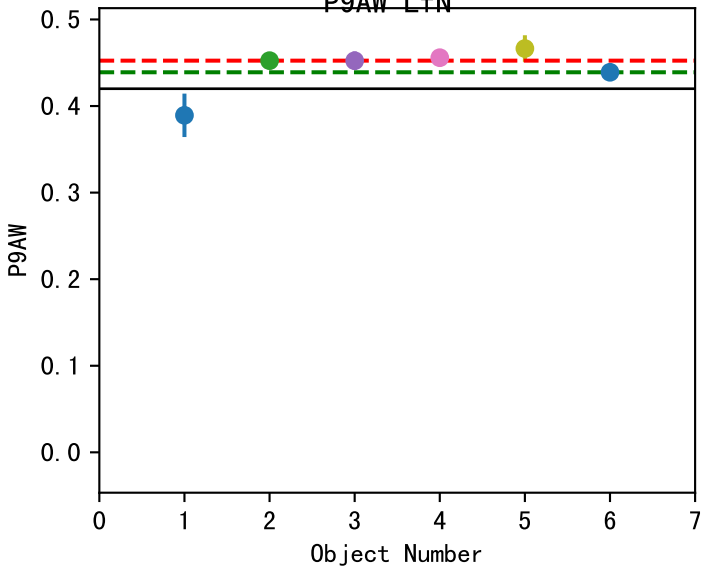
P9AWavg
LfN

Linear [0.44, 4.91, -11.19, 1.0]

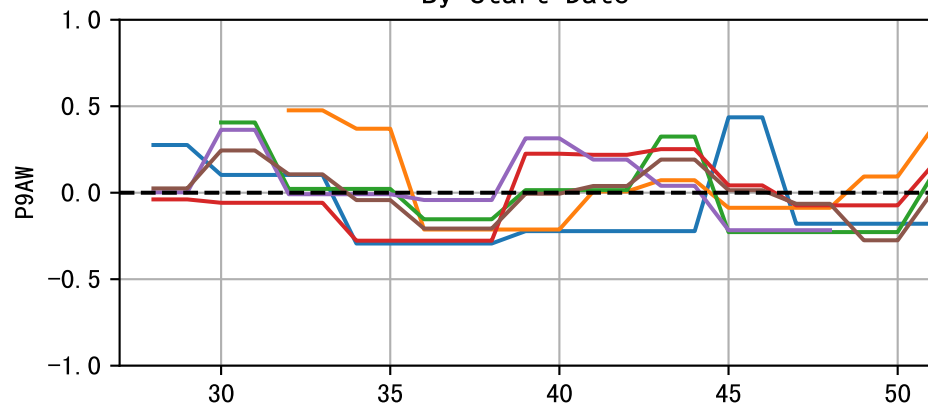
UF



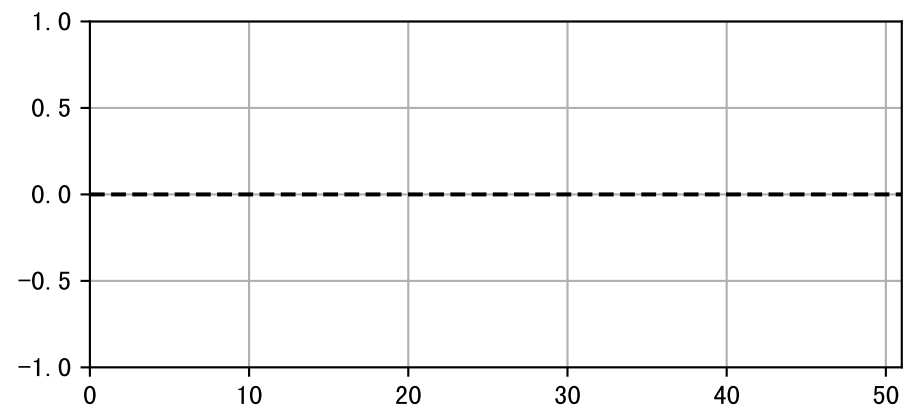
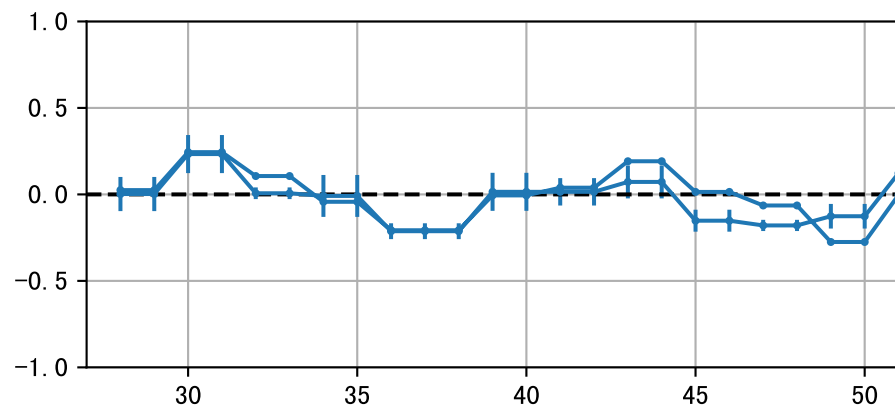
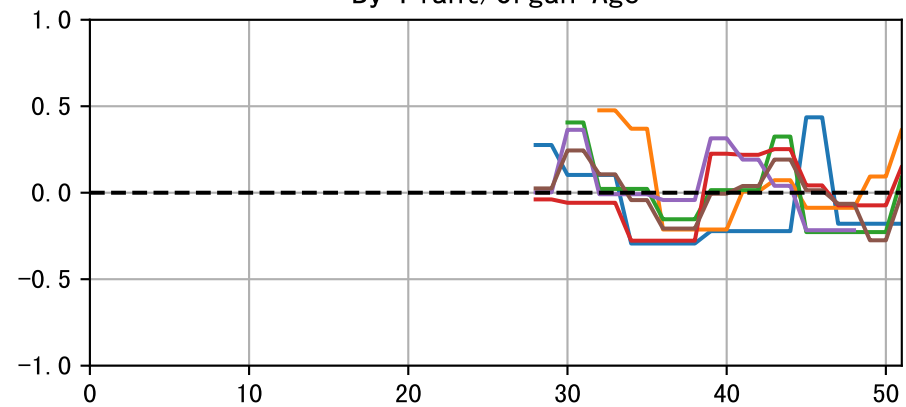
a (Def=0.42 Set=0.44)
avg1=0.45 $\sim$ 0% avg2=0.44 $\sim$ 2%
P9AW LfN



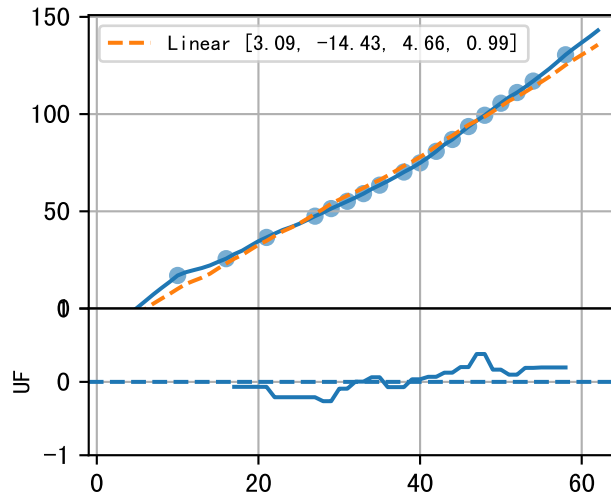
By Start Date



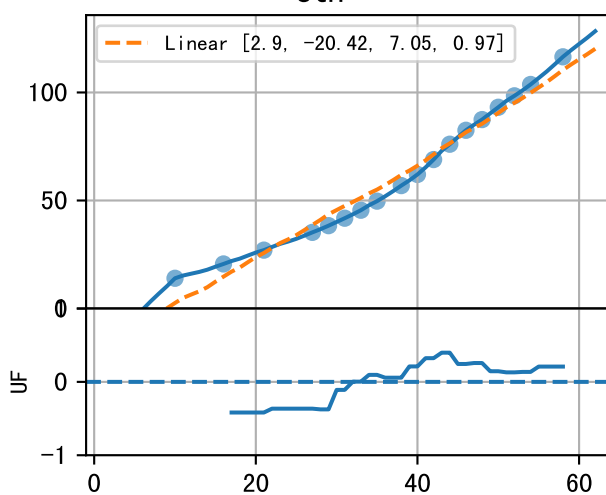
By Plant/Organ Age



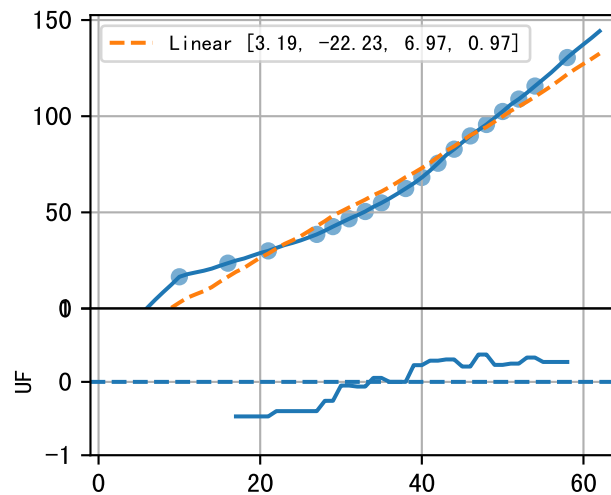
P9AW-005-13



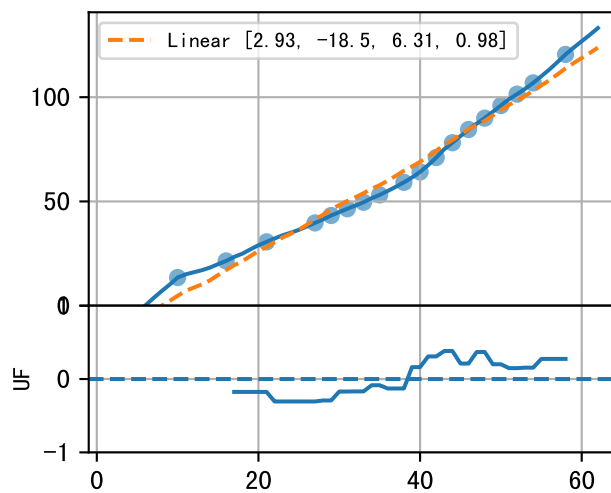
P9AW-017-26



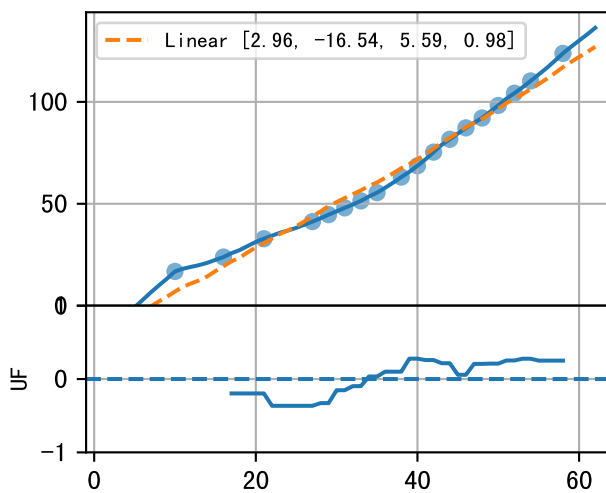
P9AW-029-11

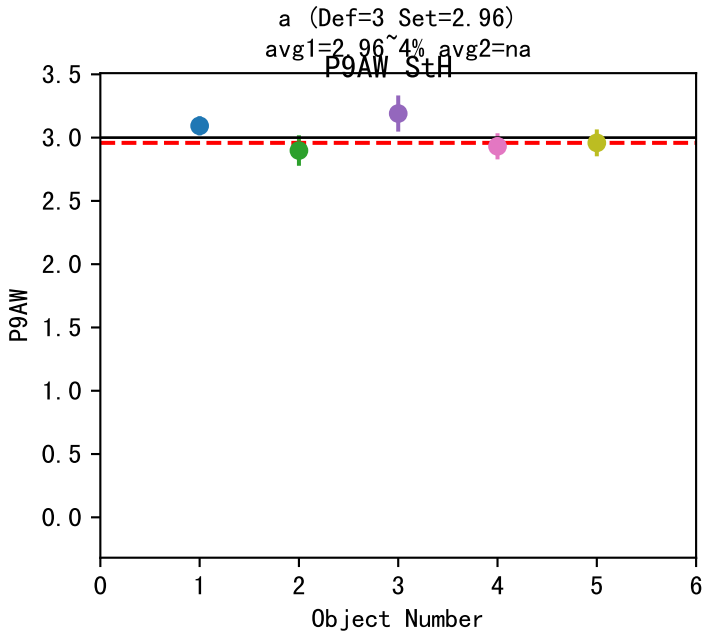


P9AW-040-22



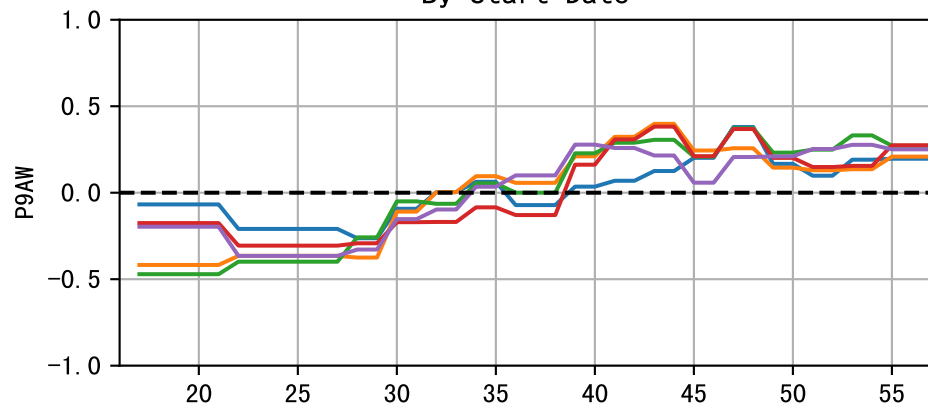
P9AW-052-18



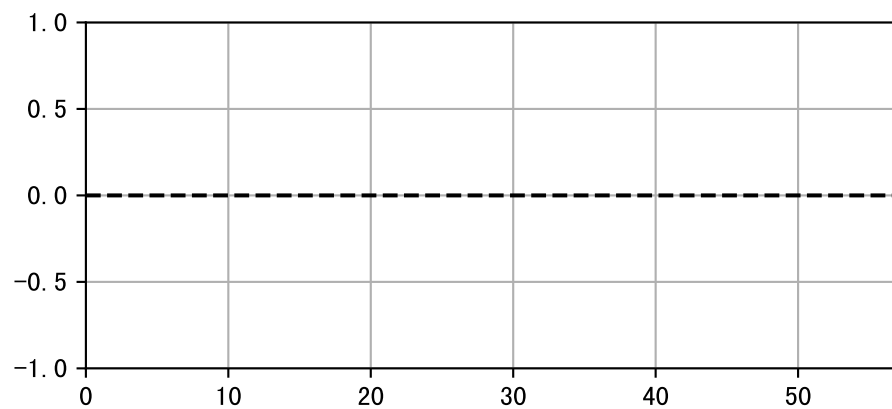
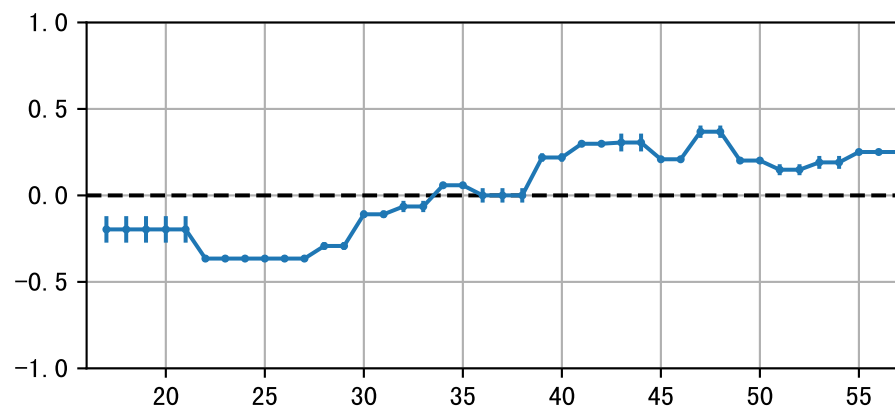
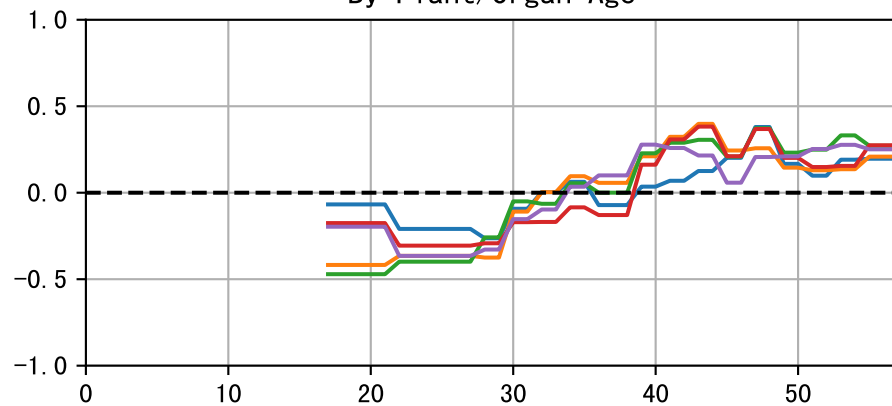


StH

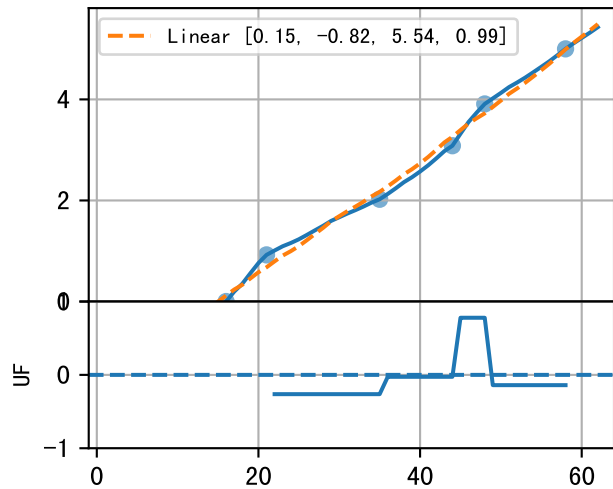
By Start Date



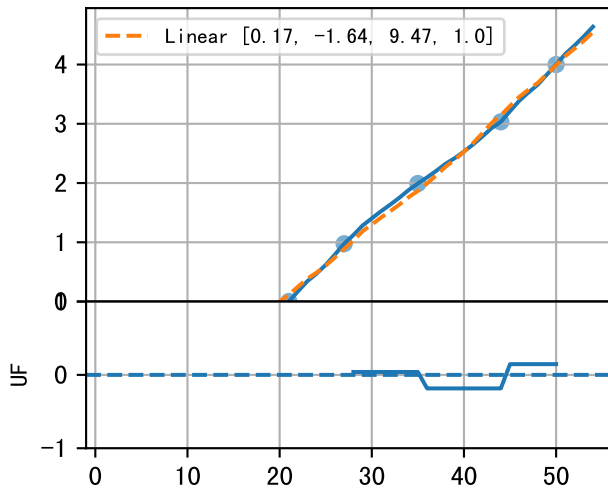
By Plant/Organ Age



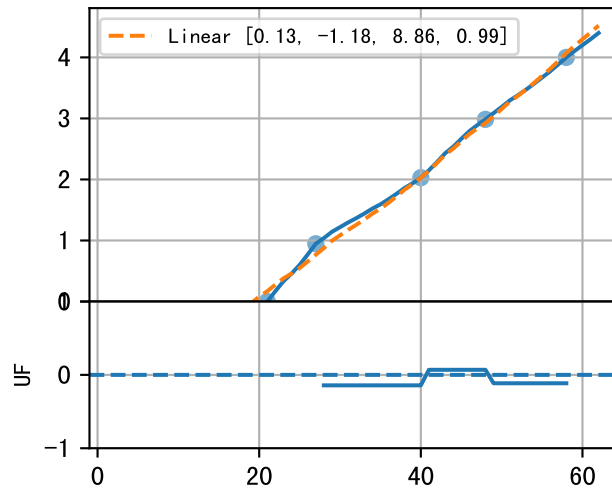
P9AW-005-13



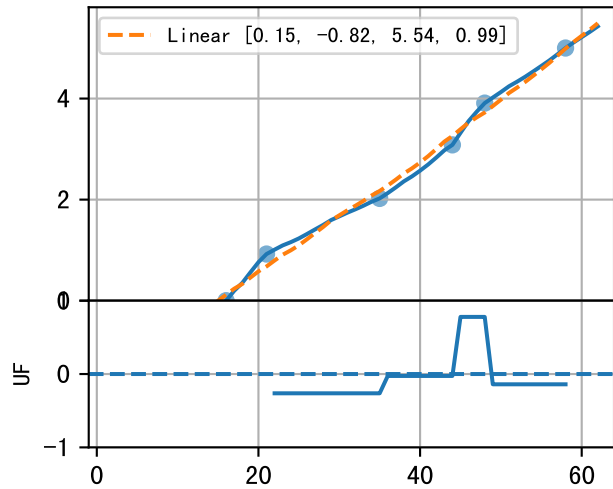
P9AW-017-26



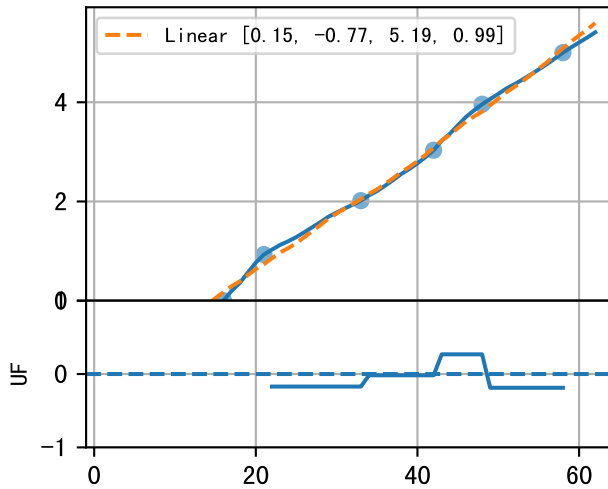
P9AW-029-11



P9AW-040-22



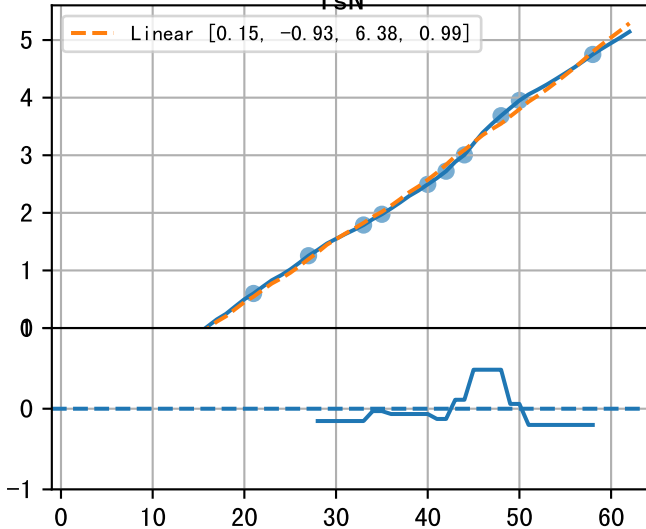
P9AW-052-18



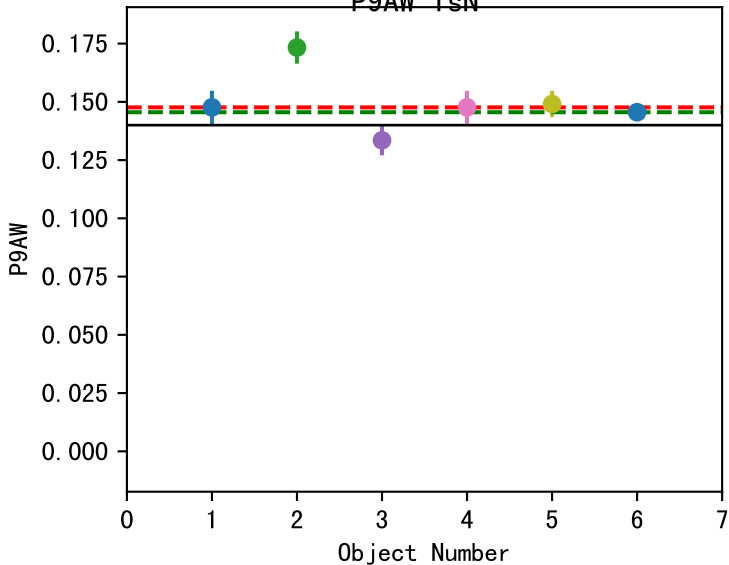
P9AWavg
TSN

Linear [0.15, -0.93, 6.38, 0.99]

UF

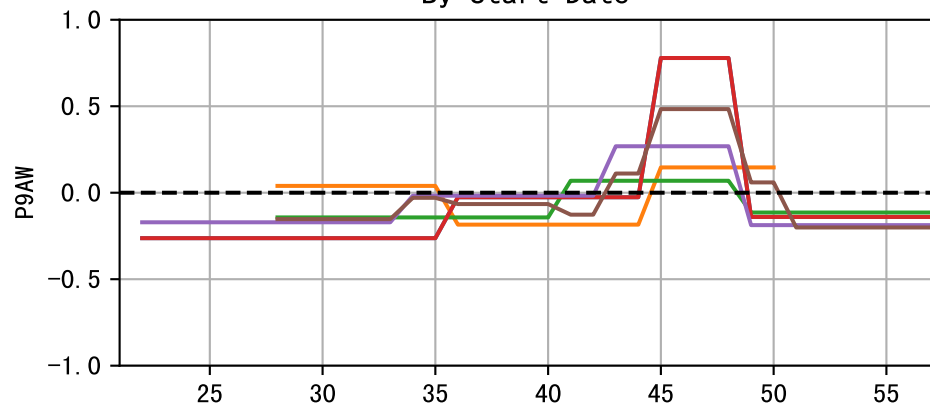


a (Def=0.14 Set=0.15)
avg1=0.15 $\sim$ 1% avg2=0.15 $\sim$ 6%
P9AW TSN

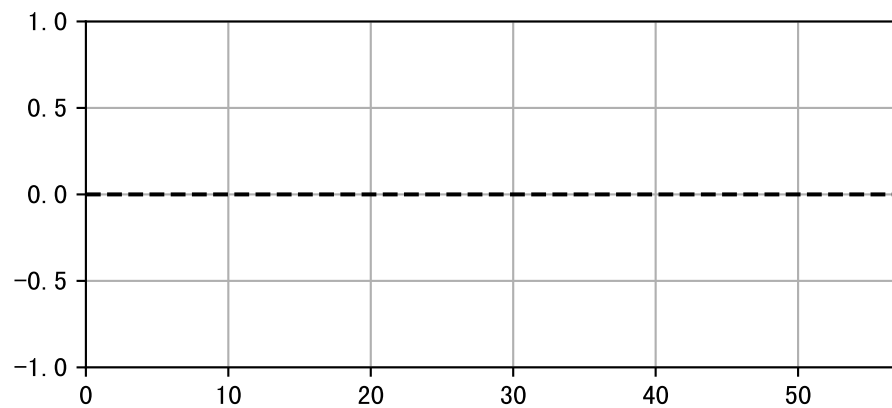
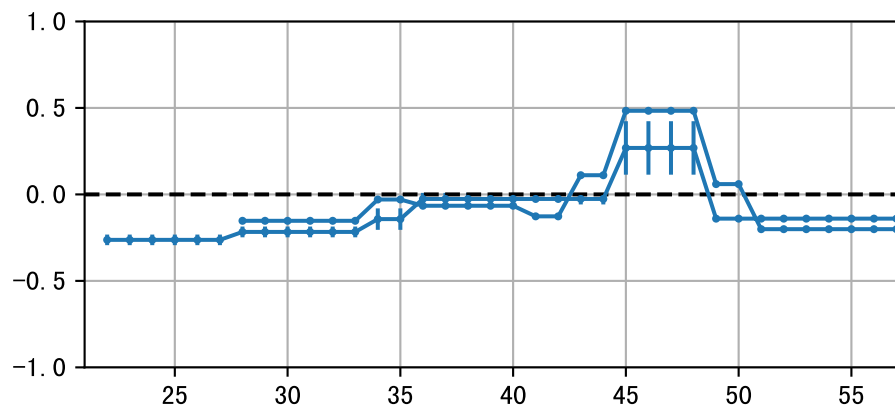
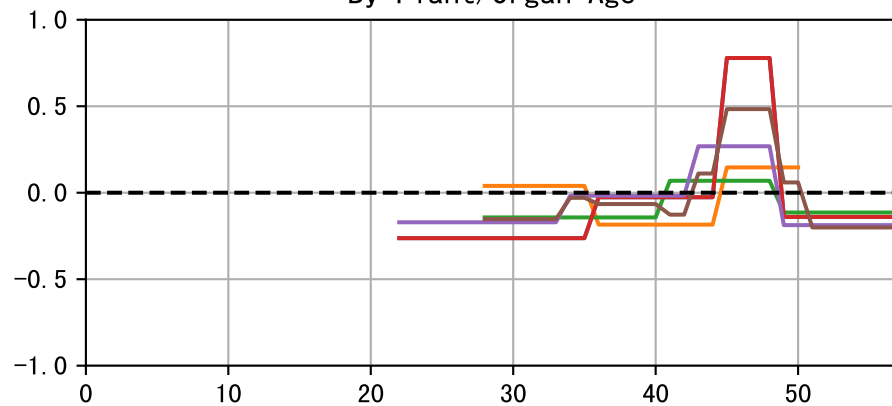


TsN

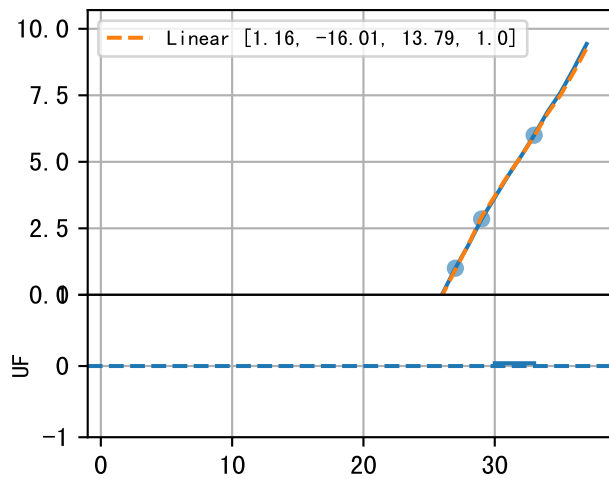
By Start Date



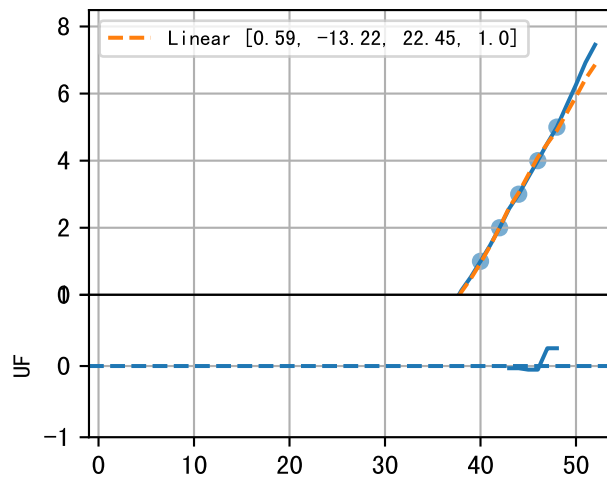
By Plant/Organ Age



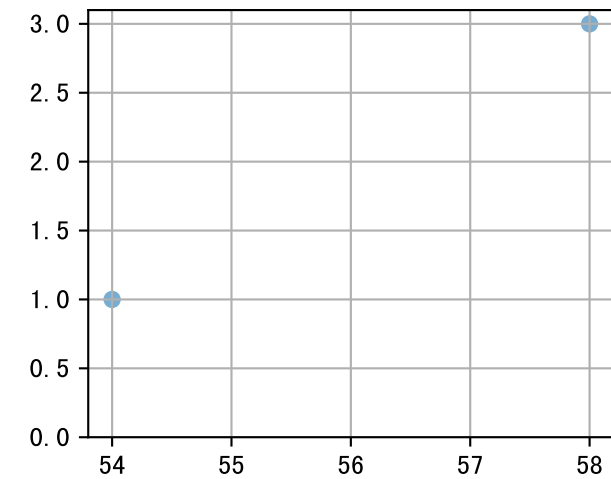
P9AW-005-13T1



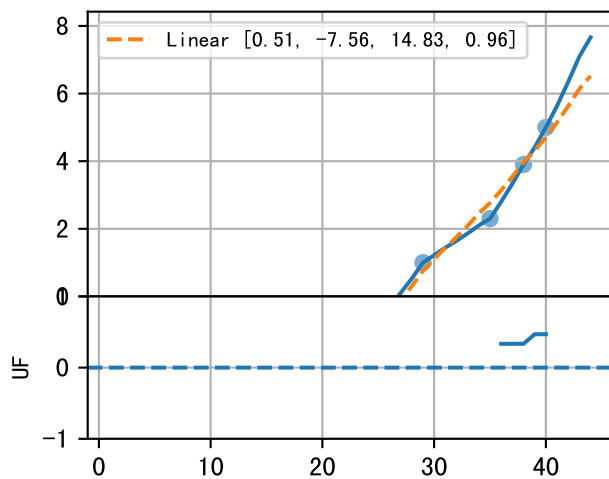
P9AW-005-13T2



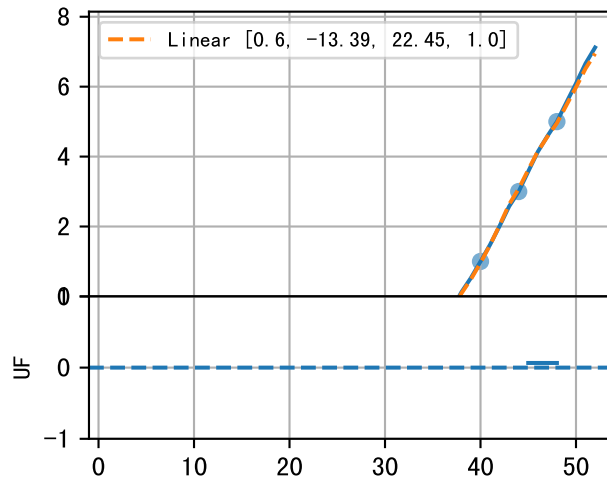
P9AW-005-13T4 (fit failed)



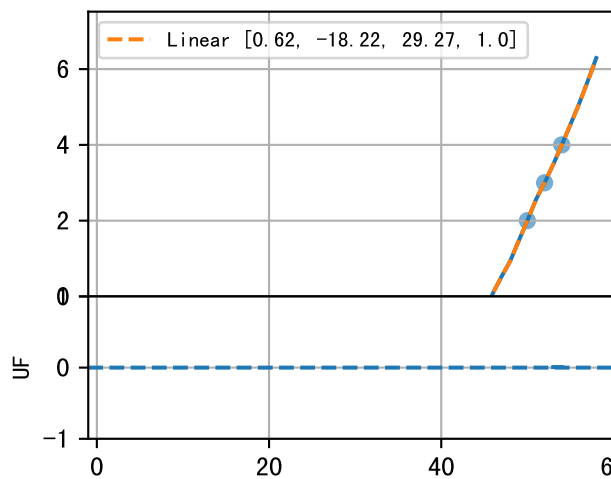
P9AW-017-26T1



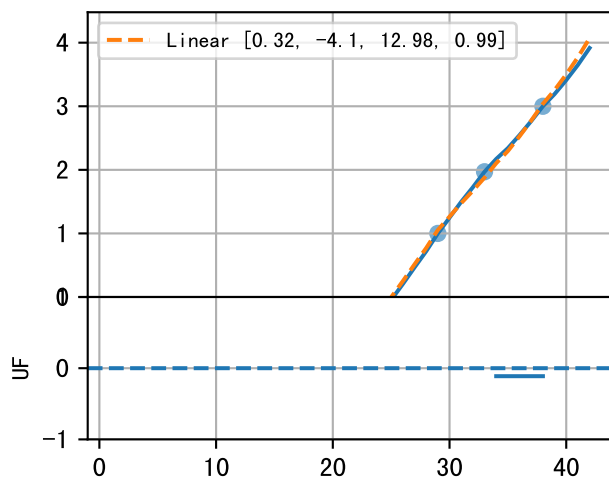
P9AW-017-26T2



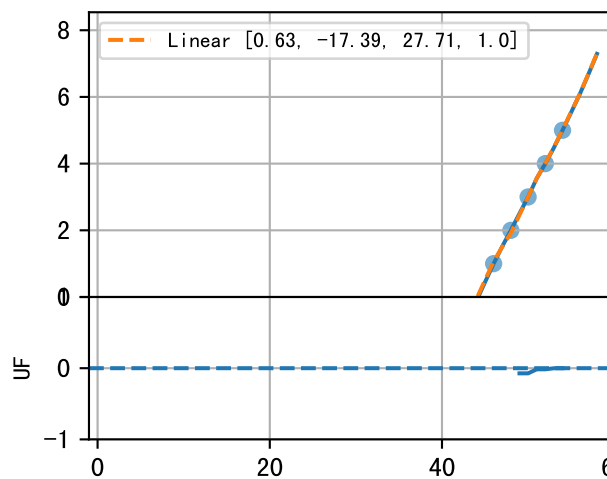
P9AW-017-26T3



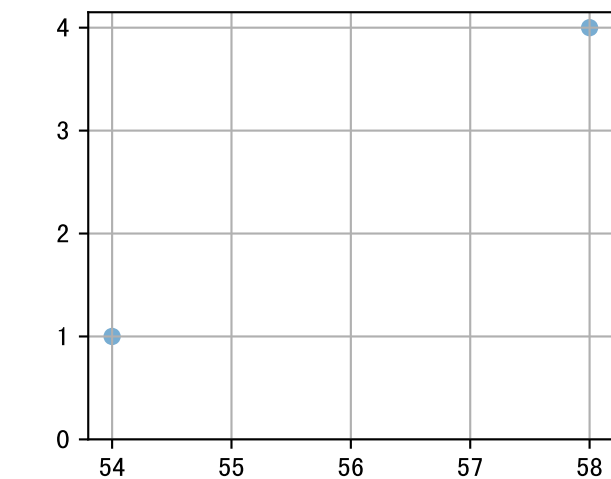
P9AW-029-11T1



P9AW-029-11T2



P9AW-029-11T3 (fit failed)

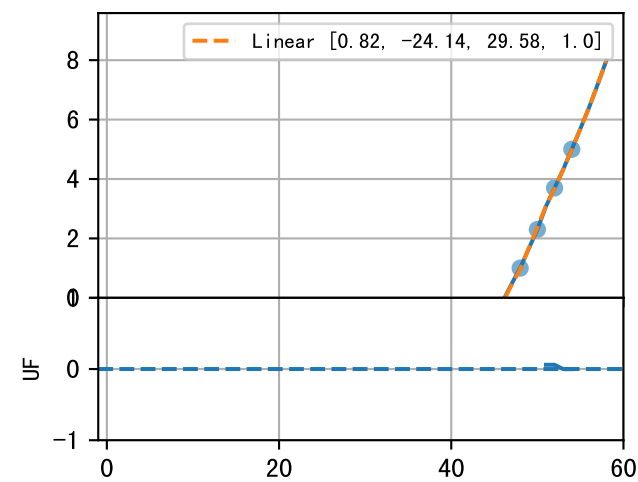
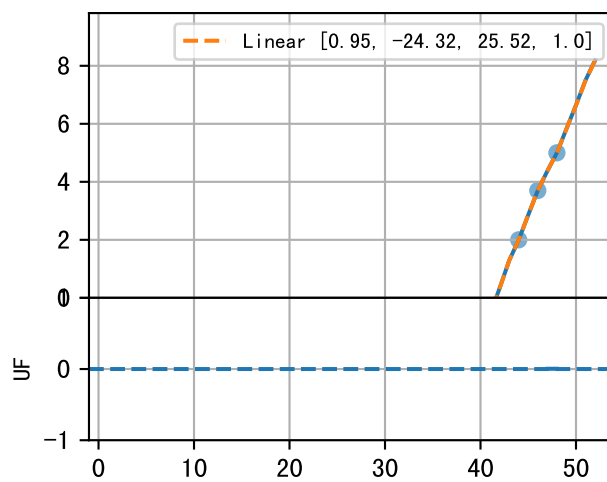
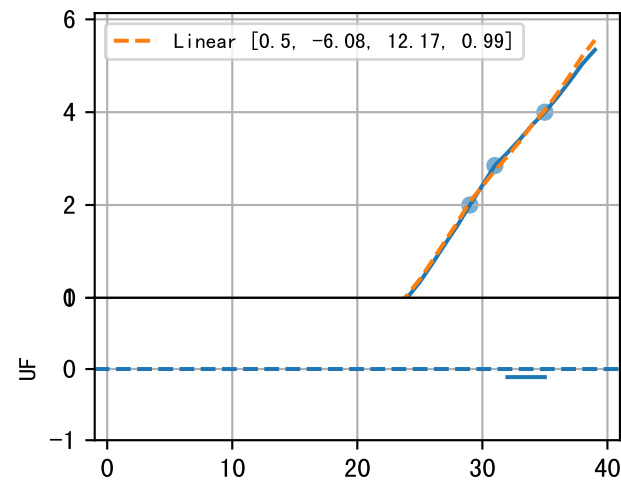


FrN

P9AW-040-22T1

P9AW-040-22T2

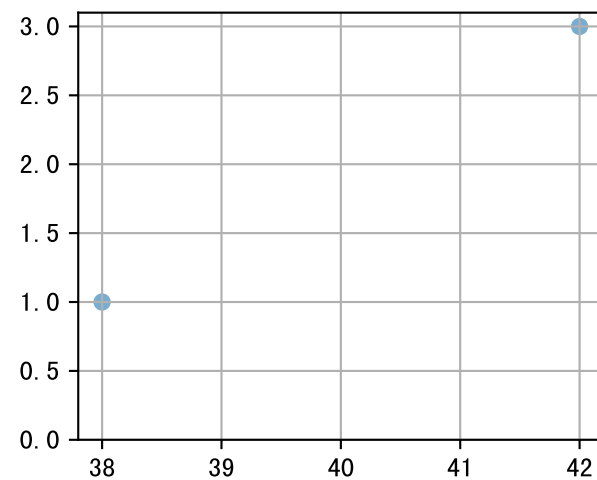
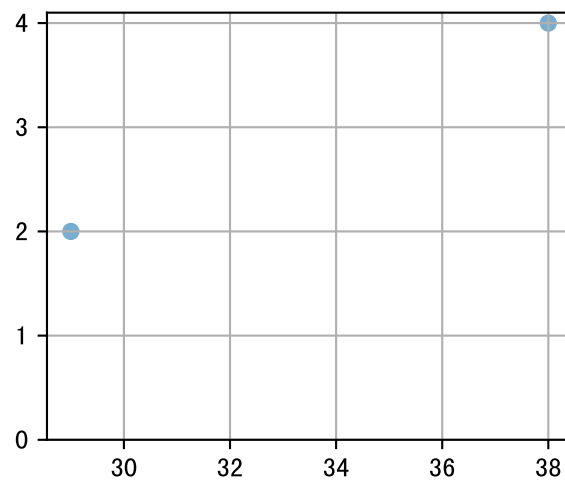
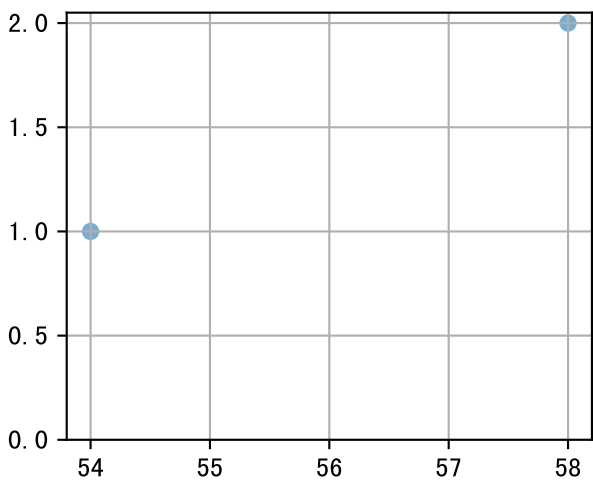
P9AW-040-22T3



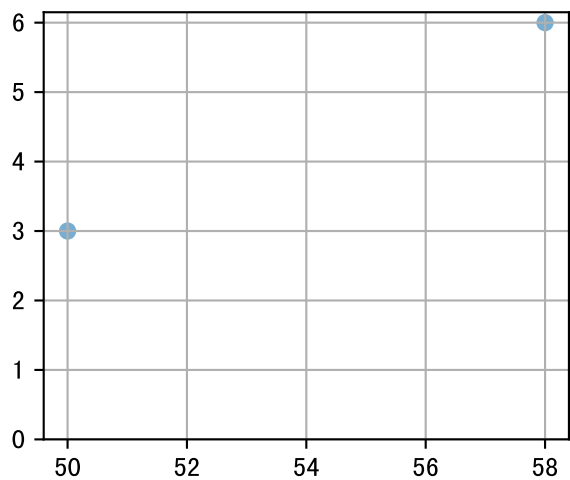
P9AW-040-22T4 (fit failed)

P9AW-052-18T1 (fit failed)

P9AW-052-18T2 (fit failed)



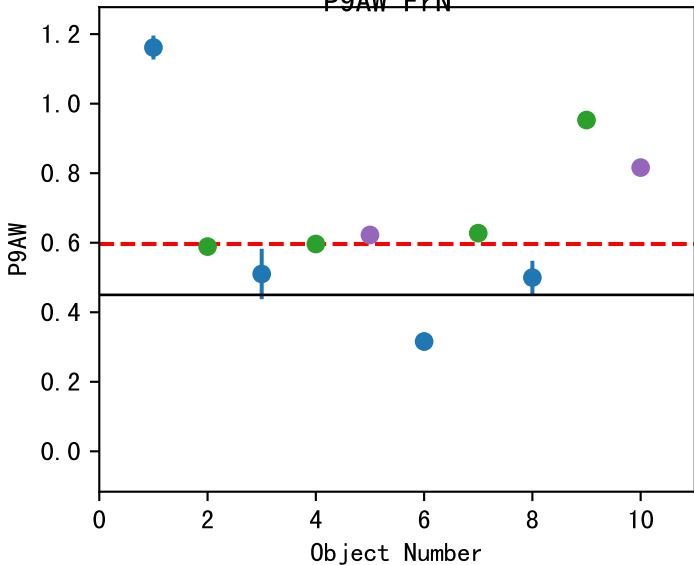
P9AW-052-18T3 (fit failed)



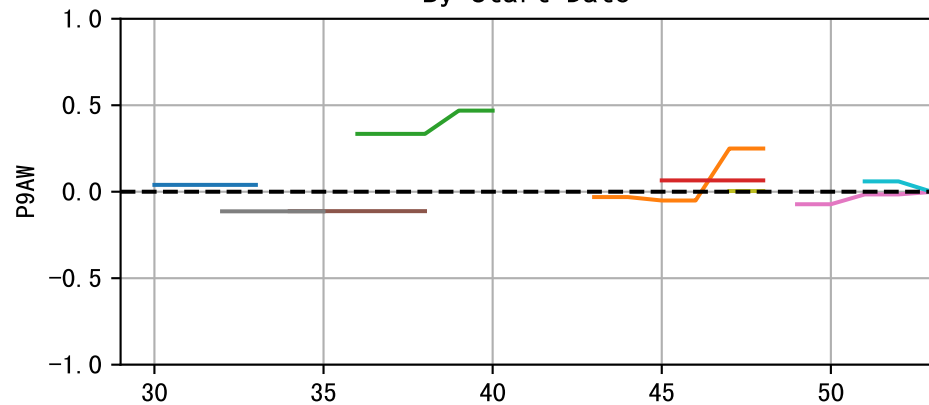
a (Def=0.45 Set=0.6)

avg1=0.6~31% avg2=na

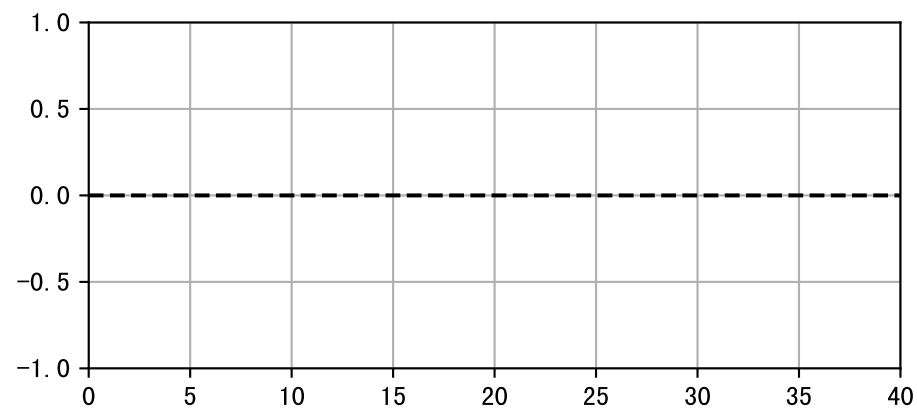
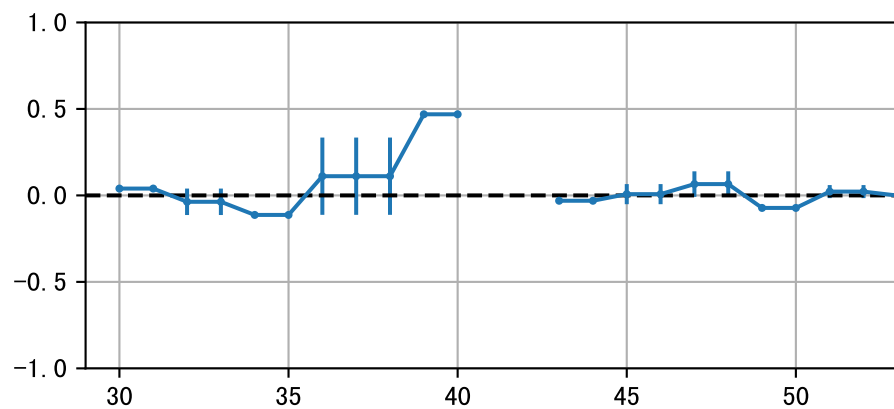
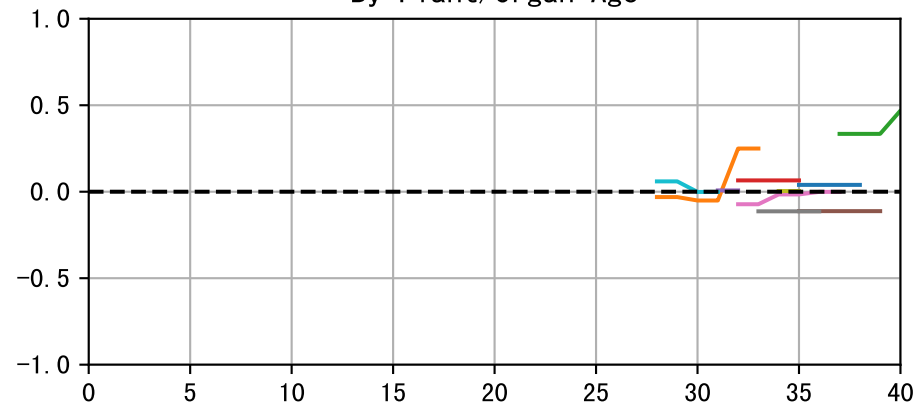
P9AW FrN



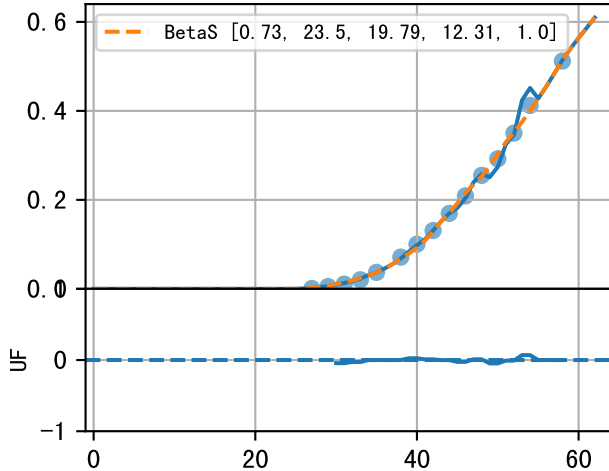
By Start Date



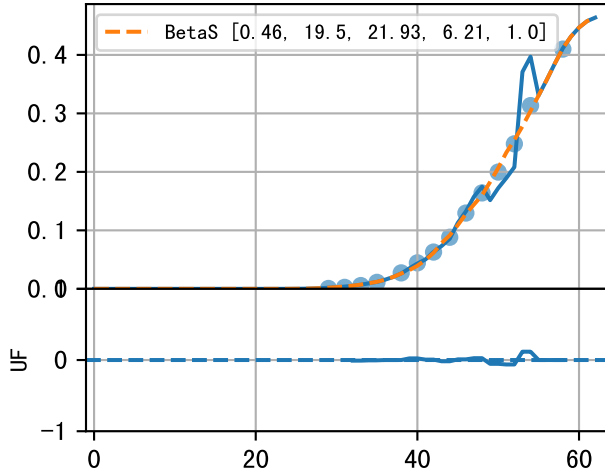
By Plant/Organ Age



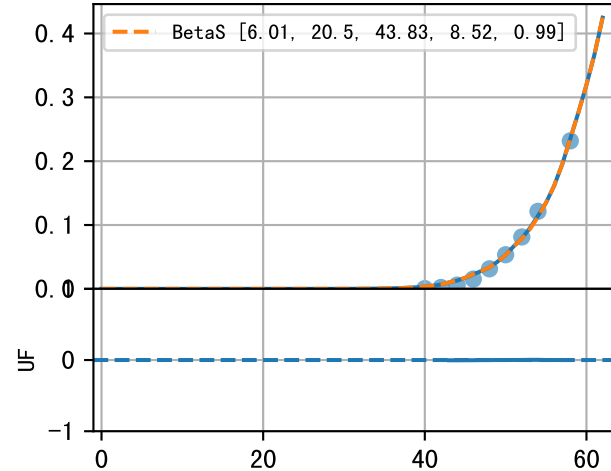
P9AW-005-13T1Fr1



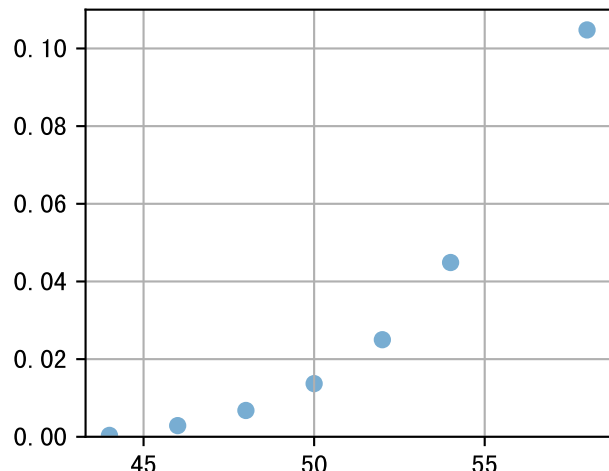
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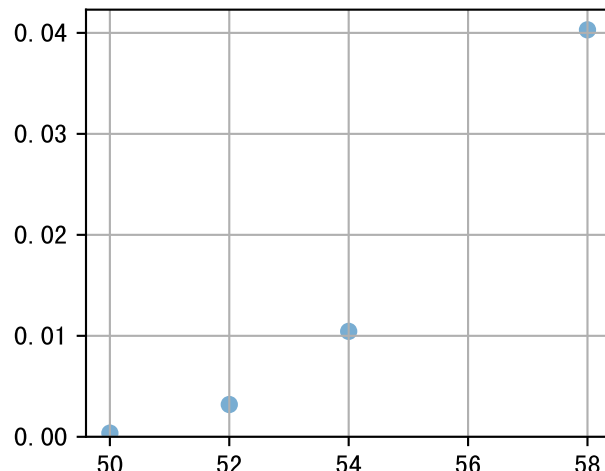
P9AW-005-13T2Fr1 (fit failed)



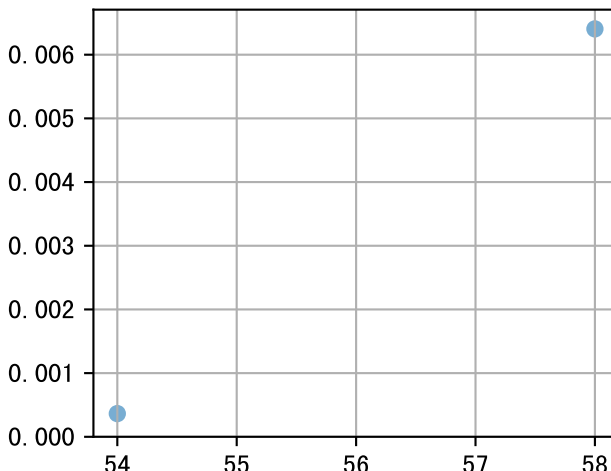
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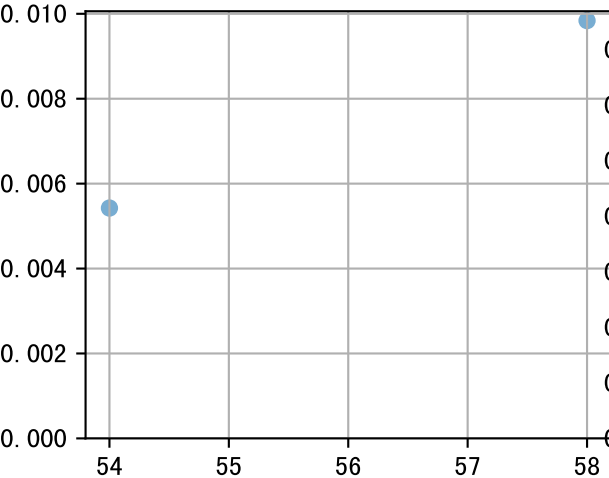
P9AW-005-13T3Fr1 (fit failed)



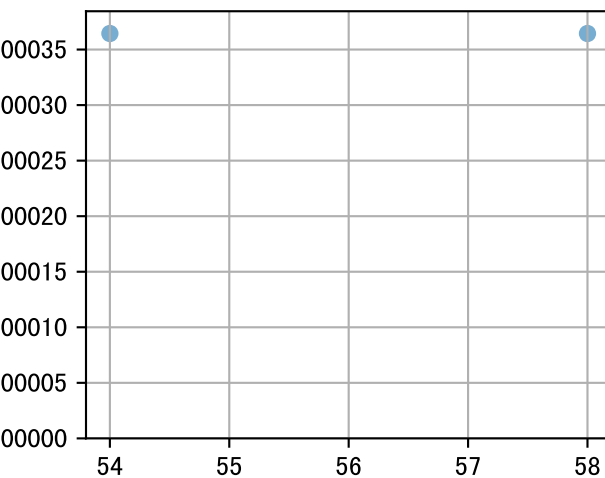
P9AW-005-13T3Fr5 (fit failed)



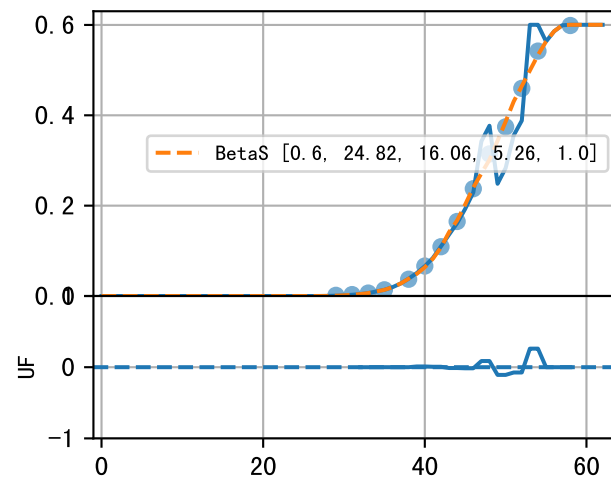
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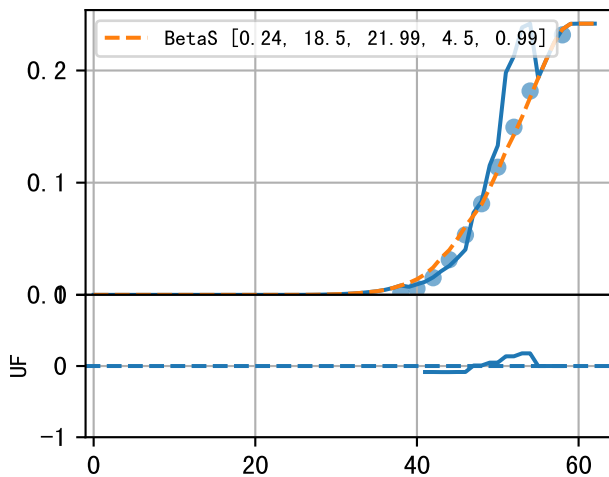
P9AW-005-13T4Fr5 (fit failed)



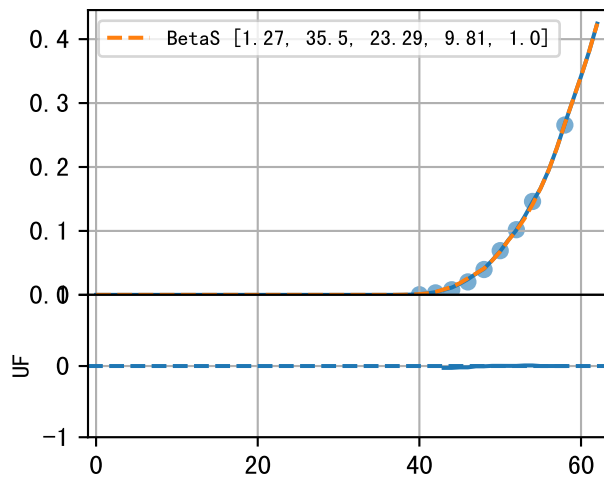
P9AW-017-26T1Fr1



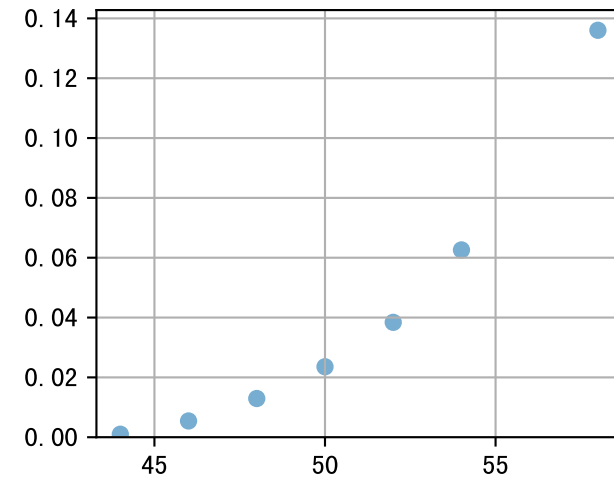
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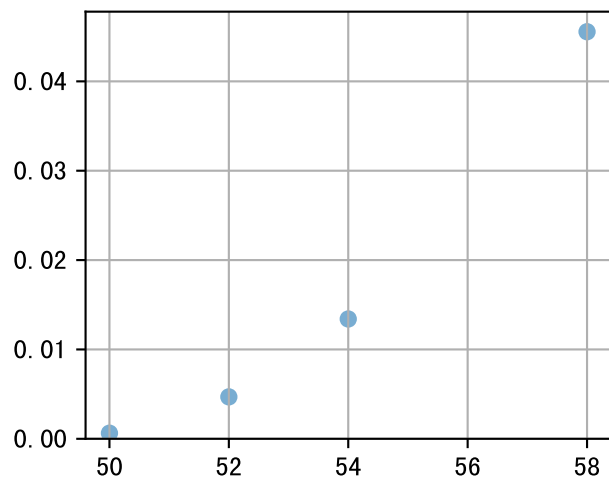
P9AW-017-26T2Fr1 (fit failed)



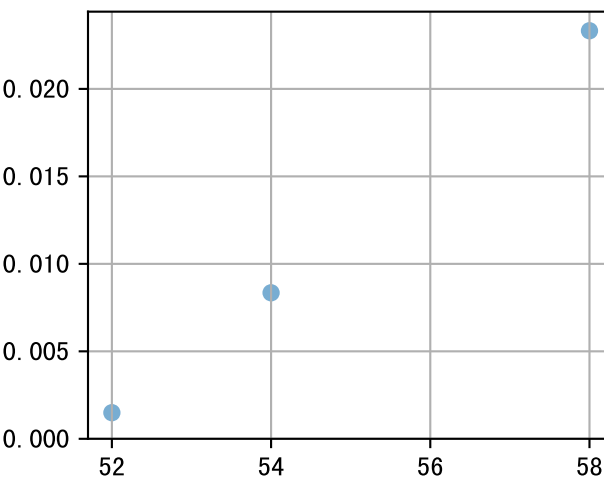
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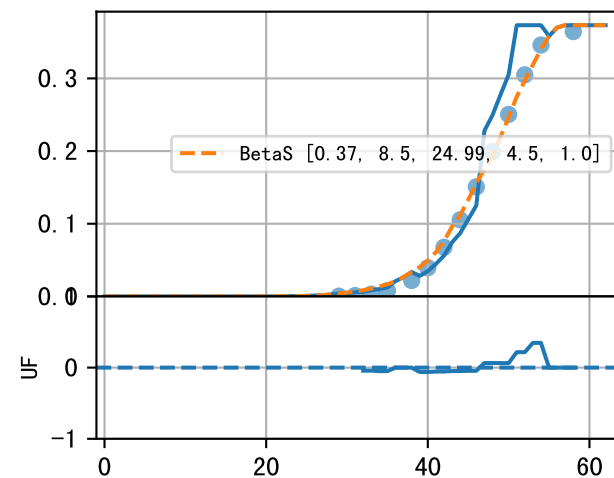
P9AW-017-26T3Fr1 (fit failed)



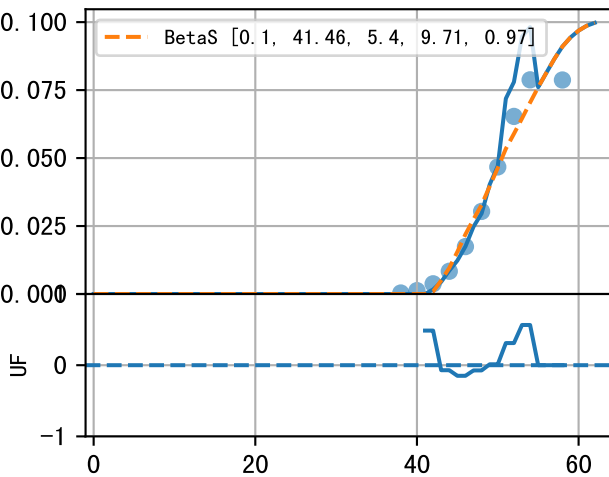
P9AW-017-26T3Fr5 (fit failed)



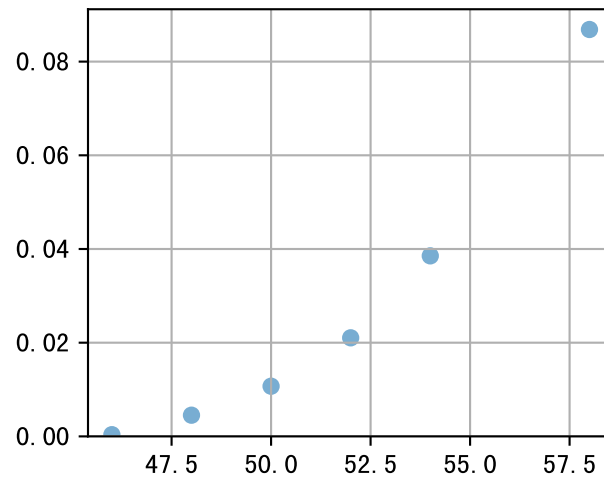
P9AW-029-11T1Fr1



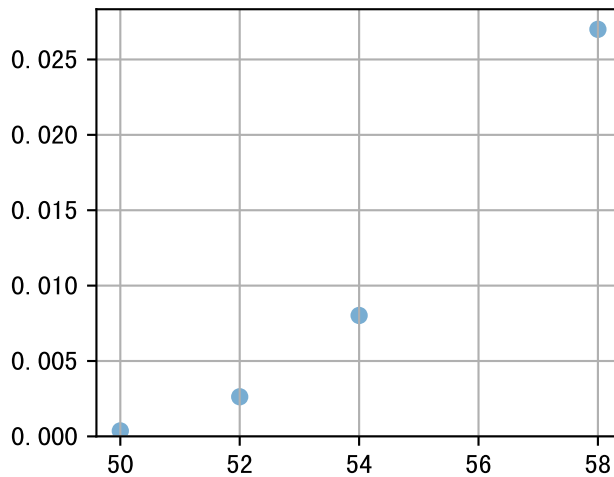
P9AW-029-11T1Fr5 (fit failed)



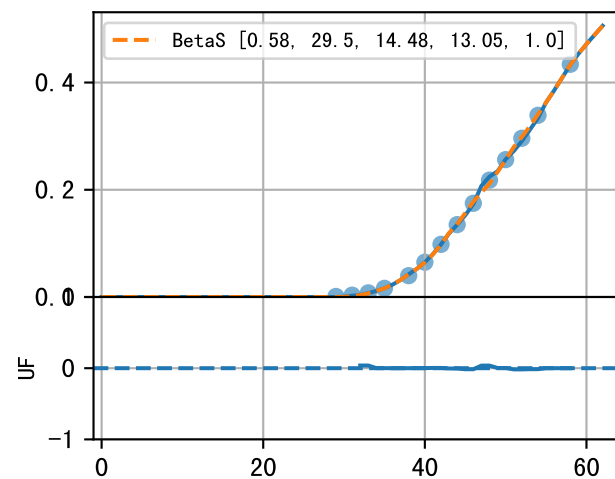
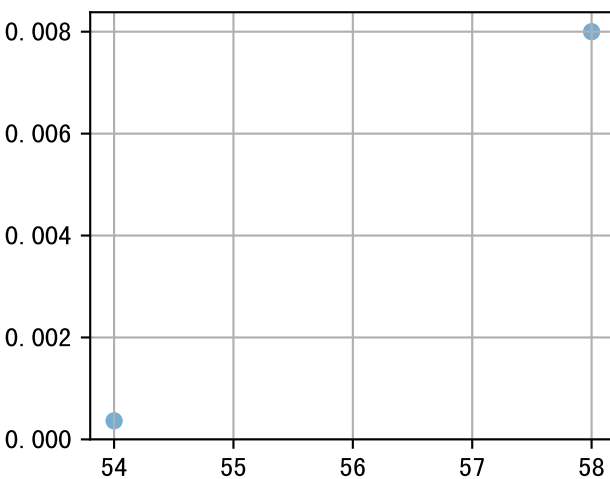
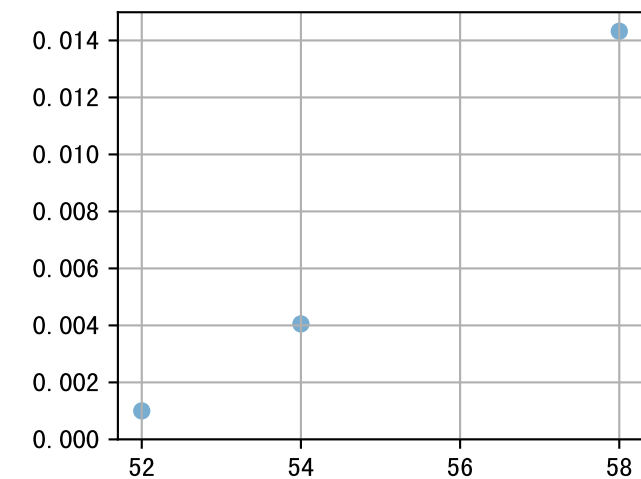
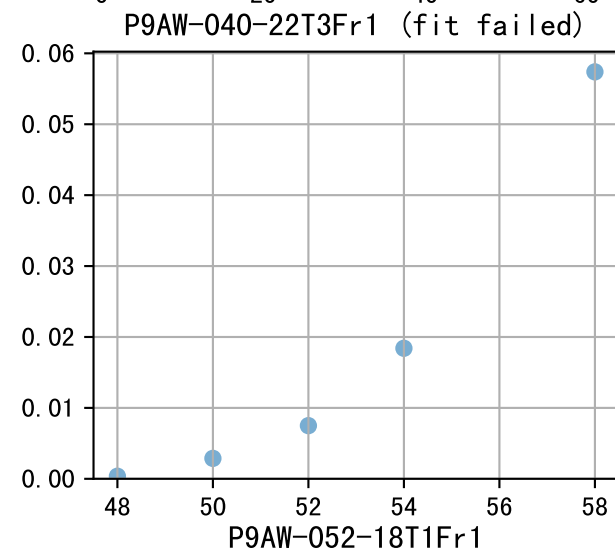
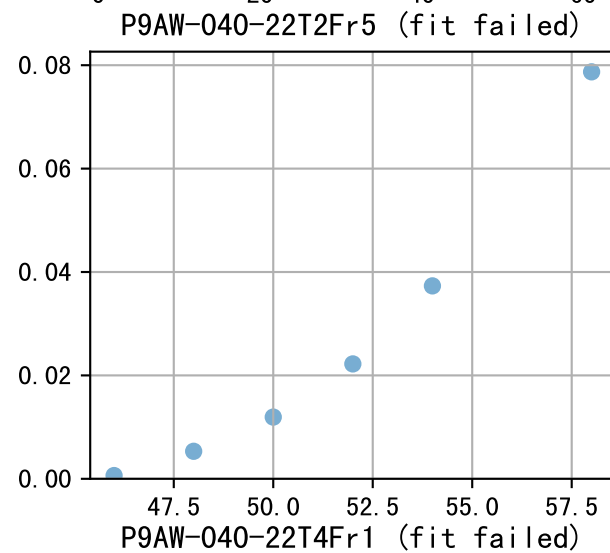
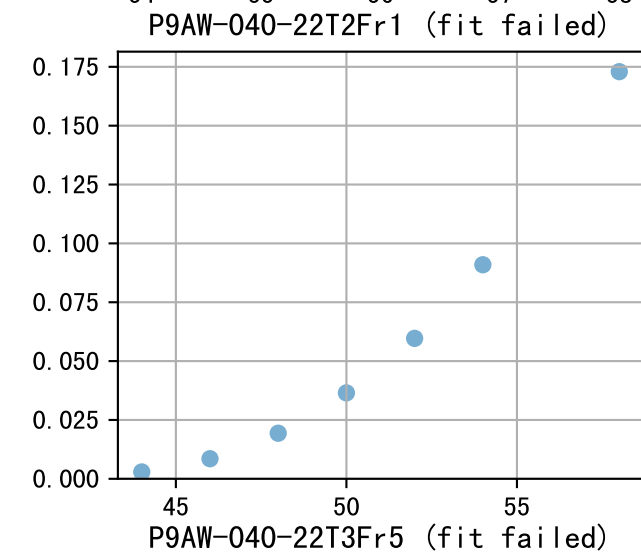
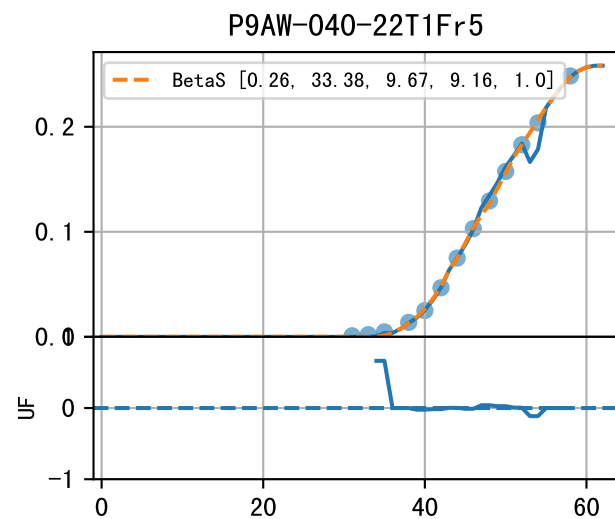
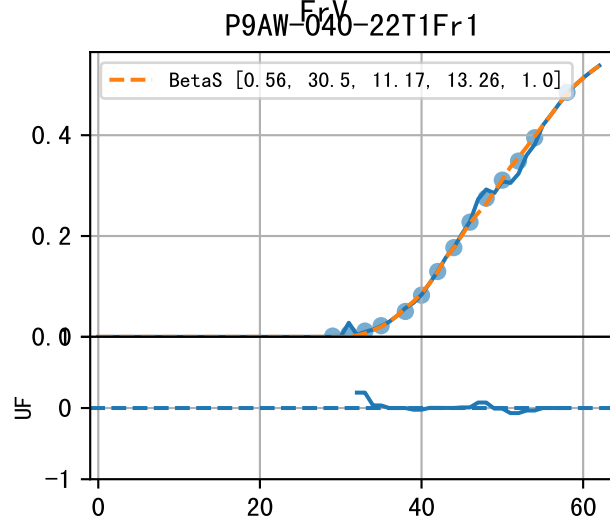
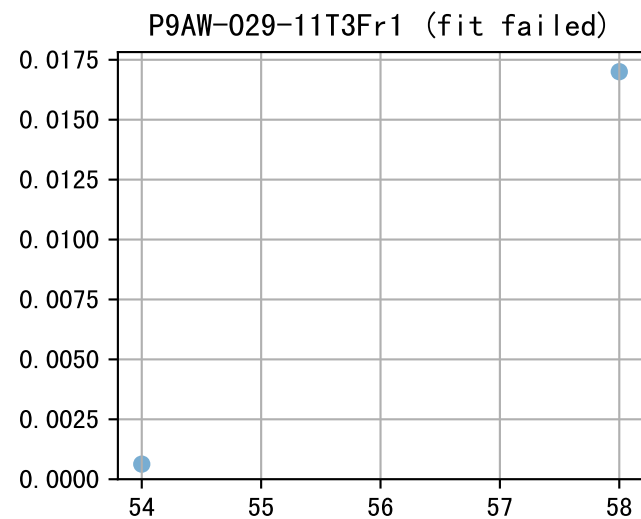
P9AW-029-11T2Fr1 (fit failed)



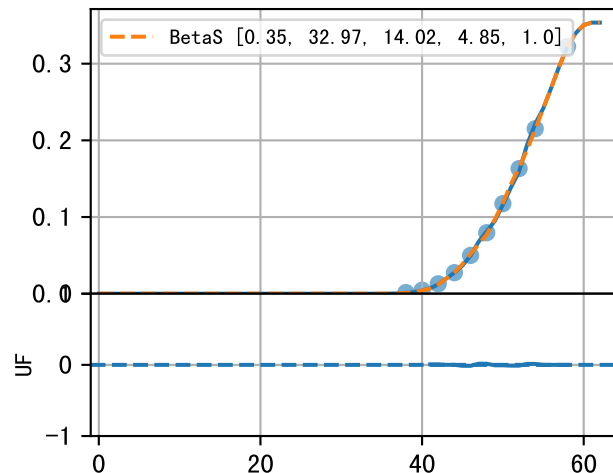
P9AW-029-11T2Fr5 (fit failed)



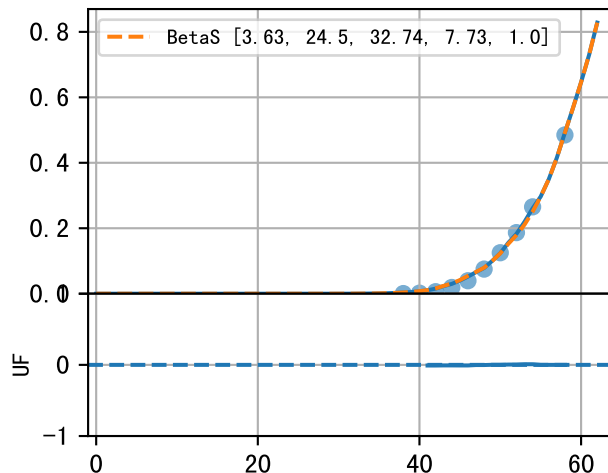
FrV



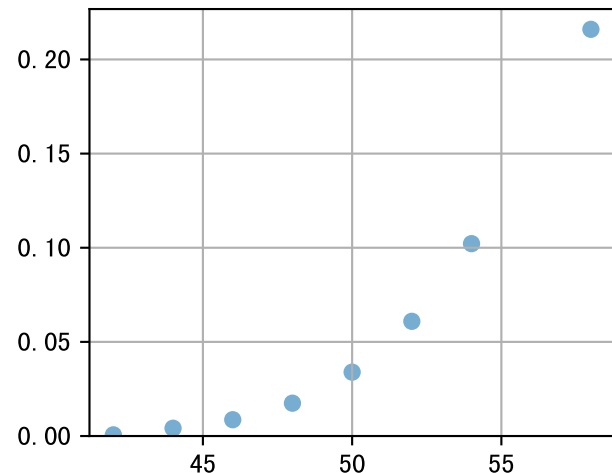
P9AW-052-18T1Fr5



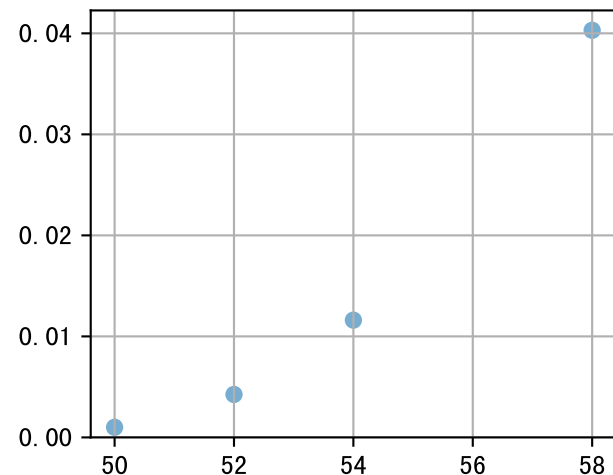
P9AW-052-18T2Fr1 (fit failed)



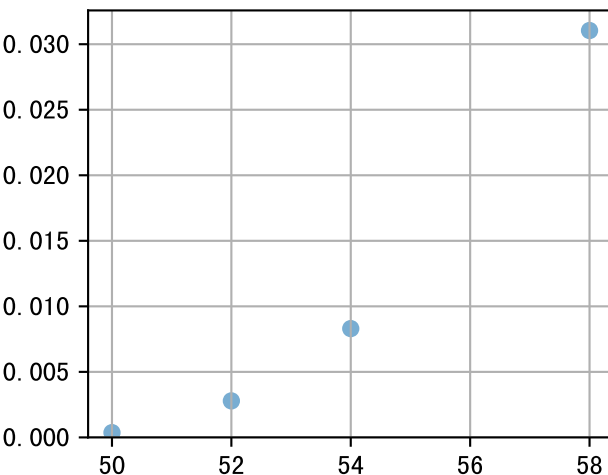
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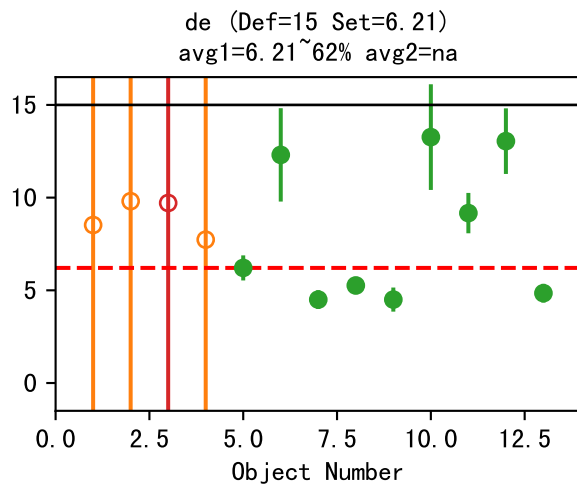
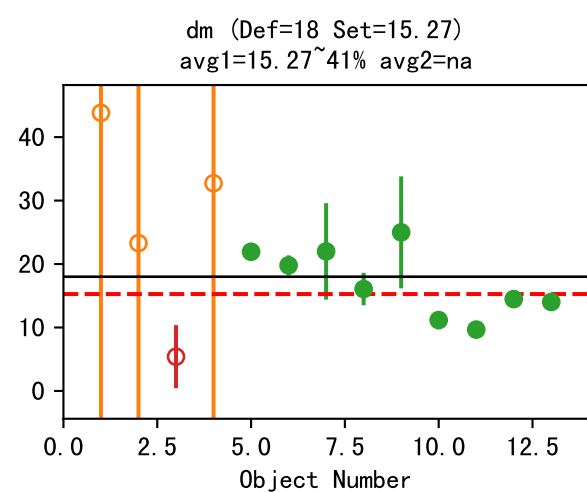
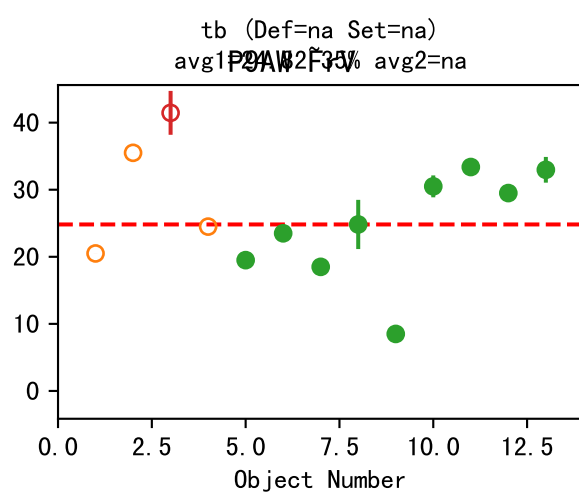
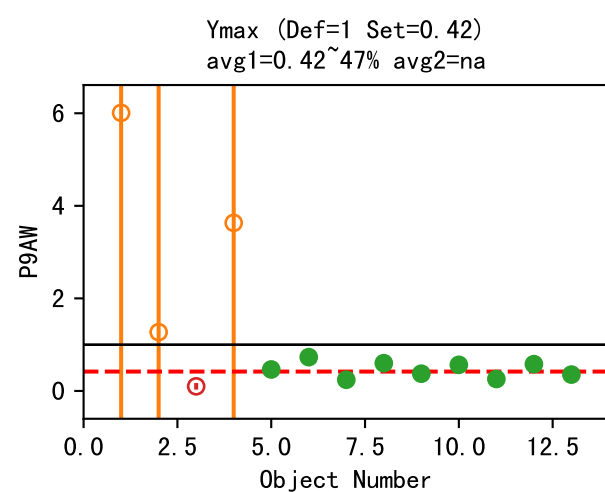


P9AW-052-18T3Fr1 (fit failed)

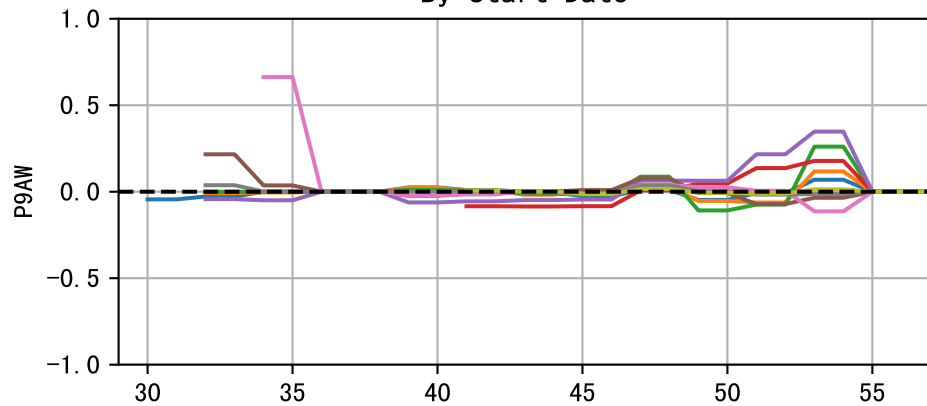


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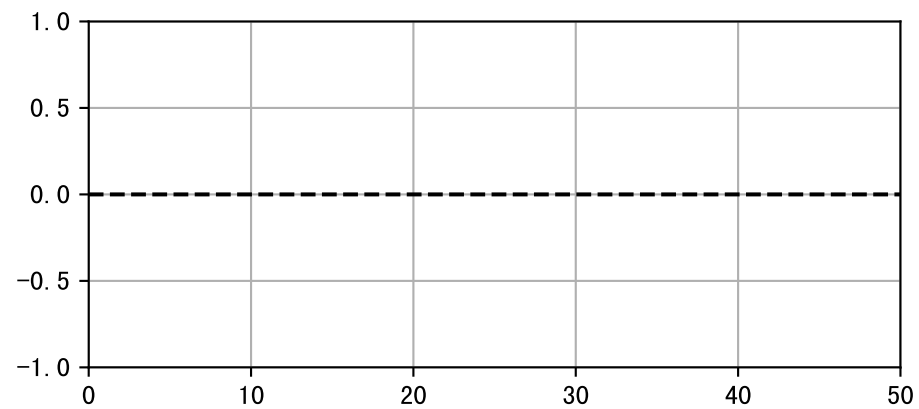
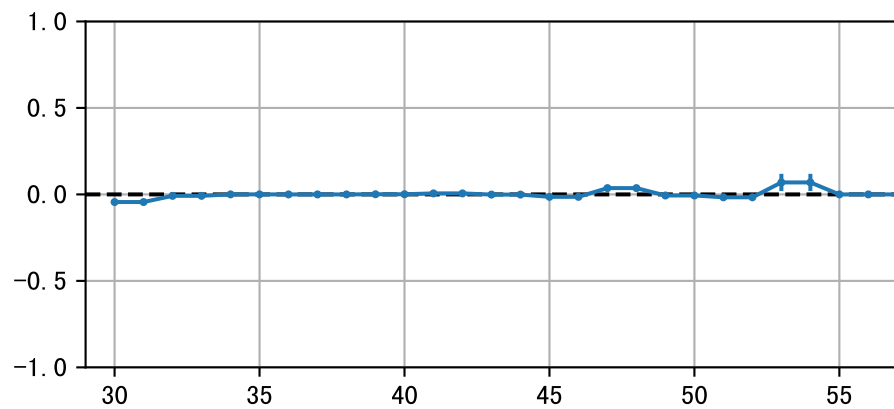
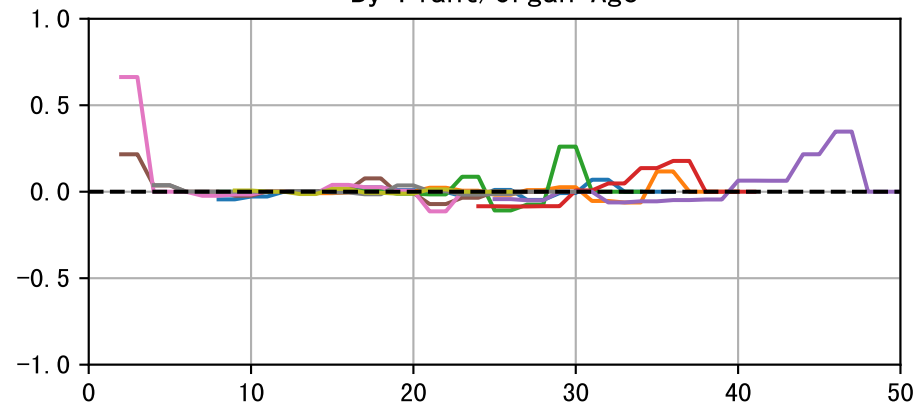




By Start Date

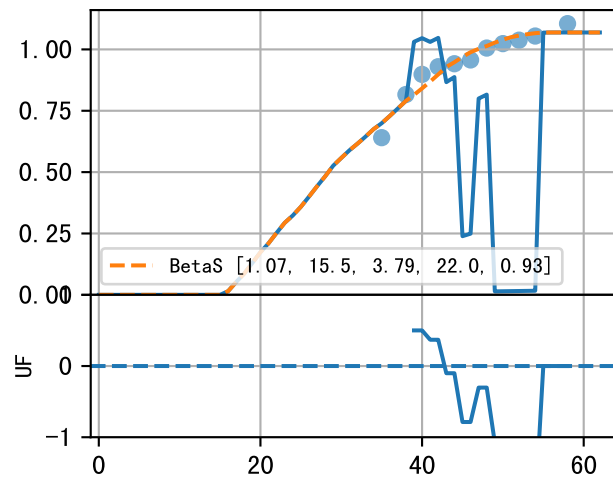


By Plant/Organ Age

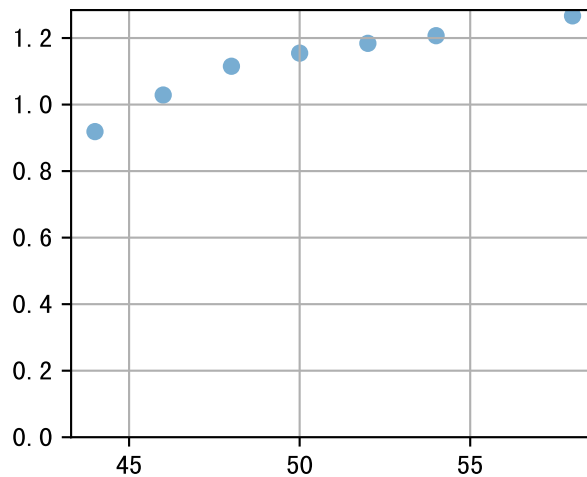


L_{FA}

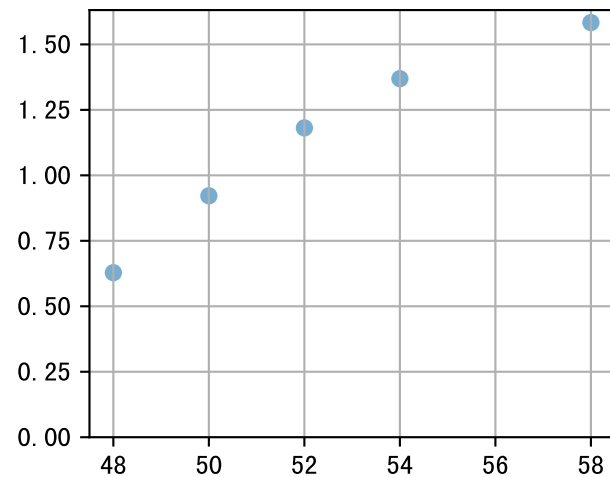
P9AW-005-13L11 (fit failed)



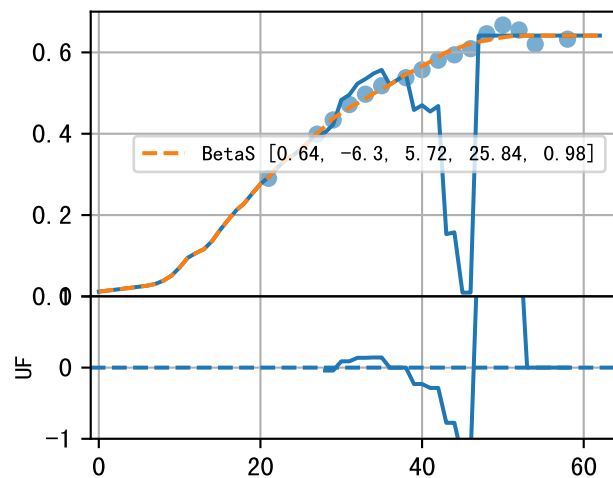
P9AW-005-13L14 (fit failed)



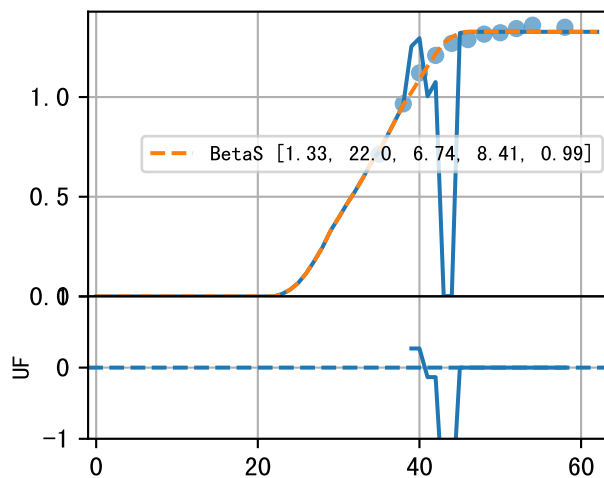
P9AW-005-13L17 (fit failed)



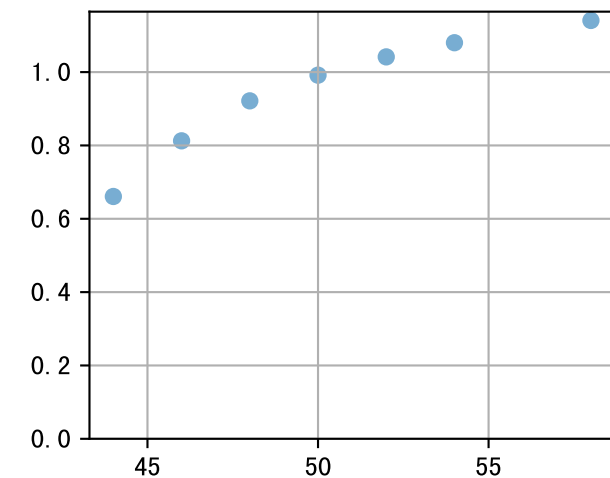
P9AW-005-13L6 (fit failed)



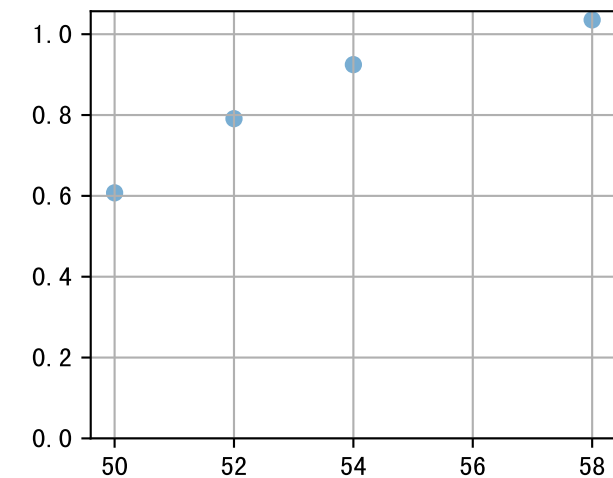
P9AW-017-26L10 (fit failed)



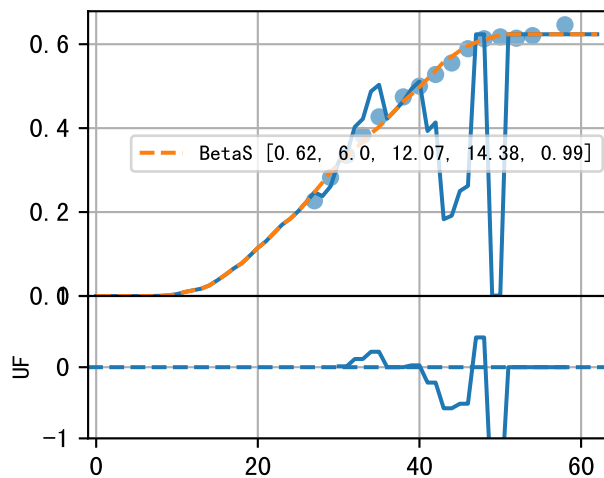
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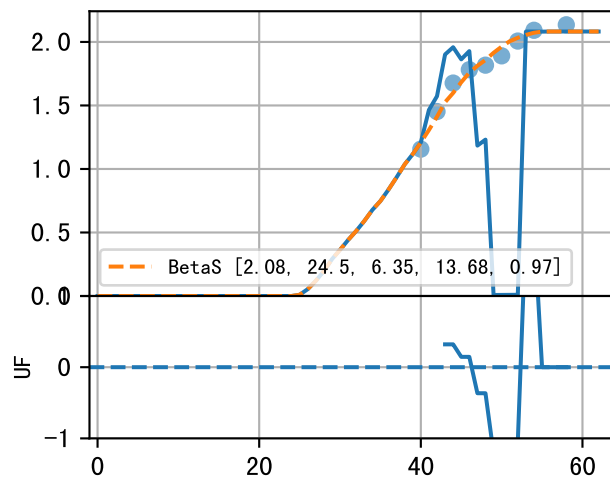
P9AW-017-26L16 (fit failed)



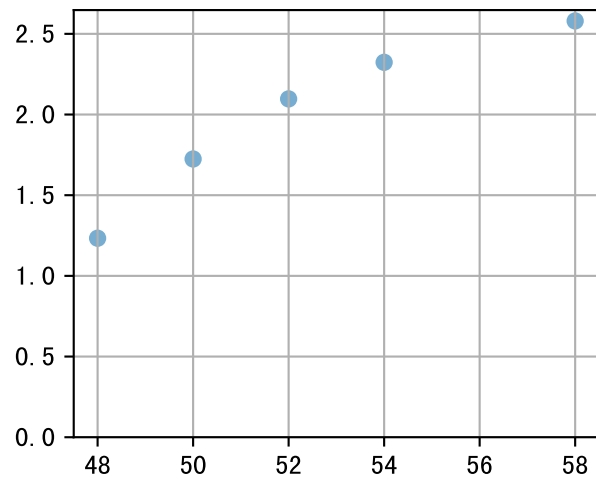
P9AW-017-26L7



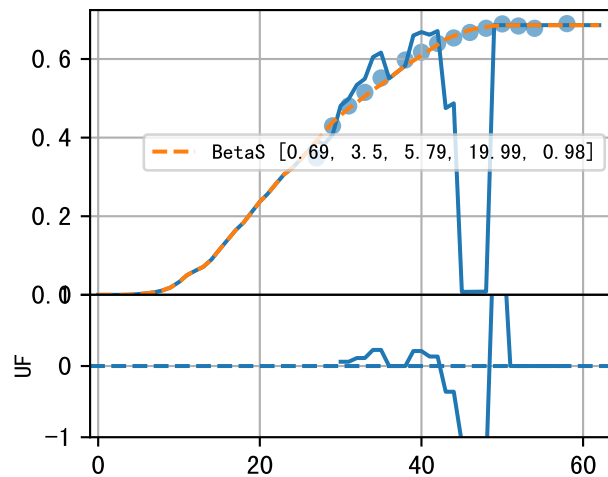
P9AW-029-11L12 (fit failed)



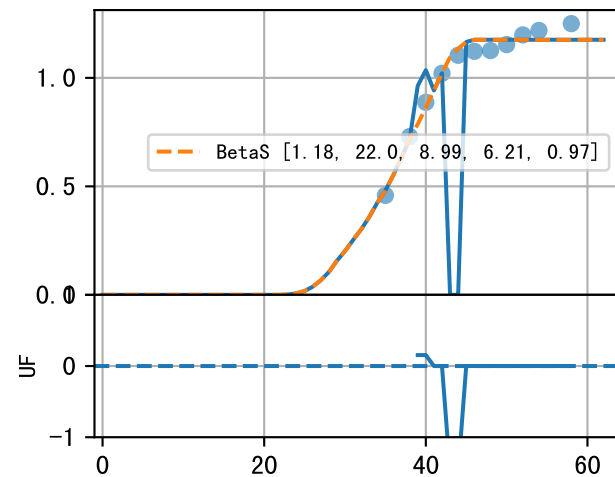
P9AW-029-11L15 (fit failed)



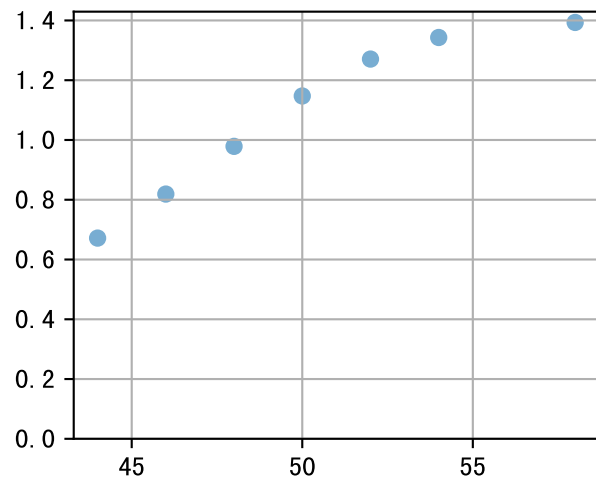
P9AW-029-11L17 (fit failed)



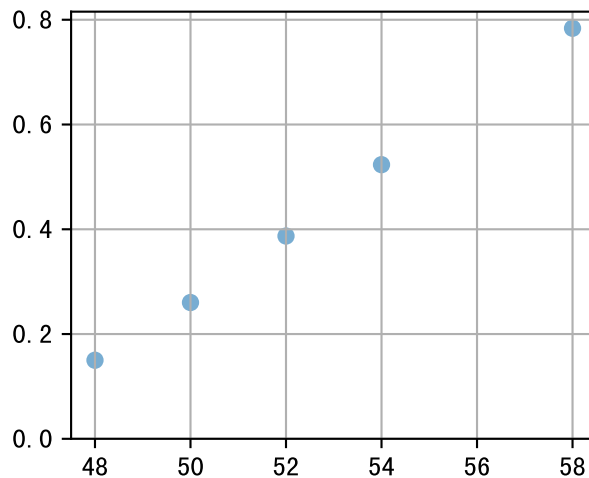
P9AW-040-22L10 (fit failed)



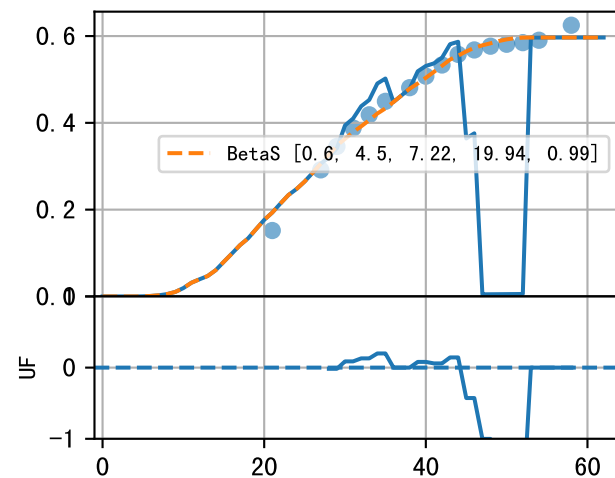
P9AW-040-22L13 (fit failed)



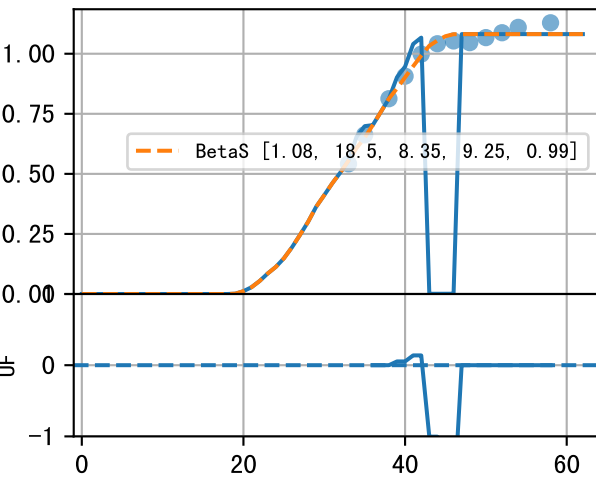
P9AW-040-22L16 (fit failed)



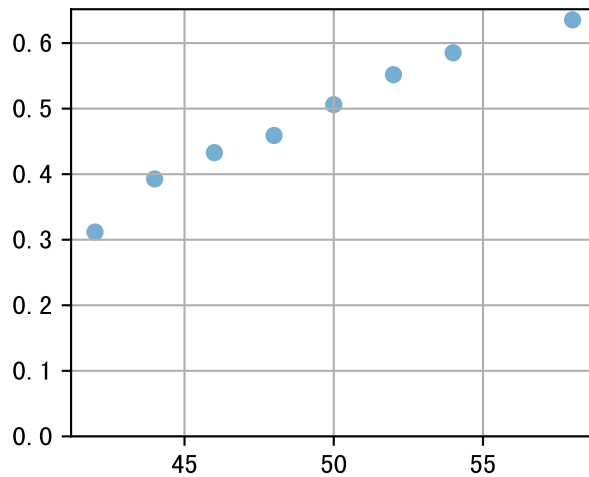
P9AW-040-22L7 (fit failed)



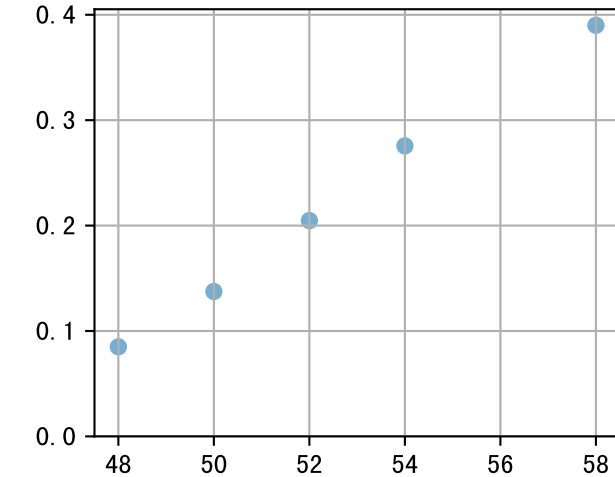
P9AW-052-18L10



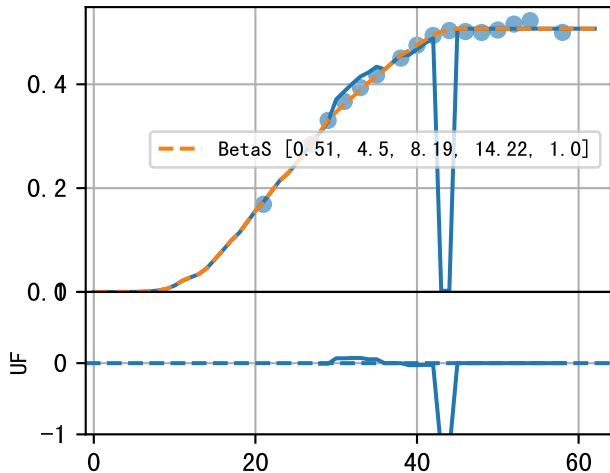
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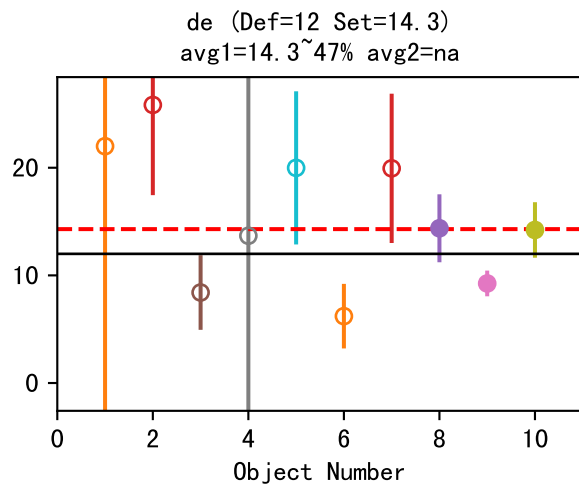
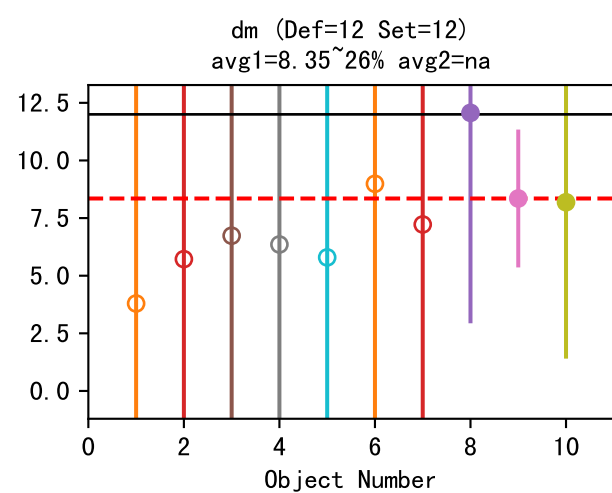
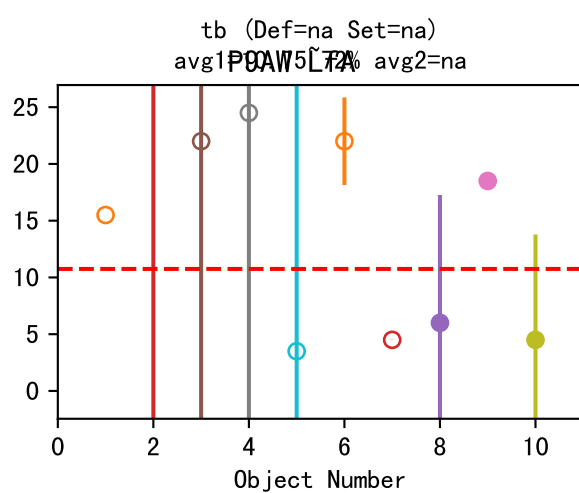
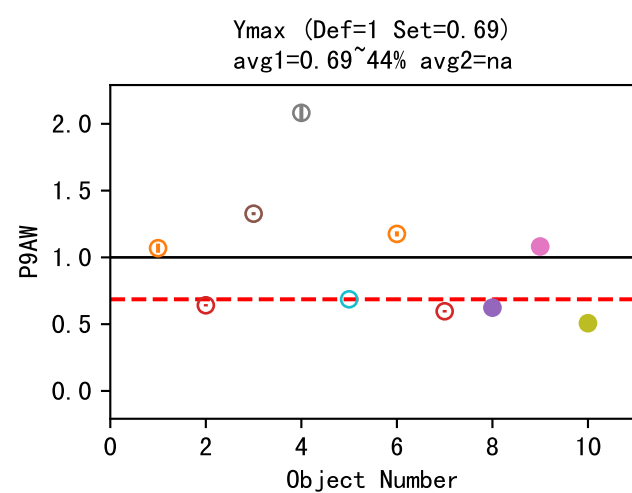


P9AW-052-18L17 (fit failed)

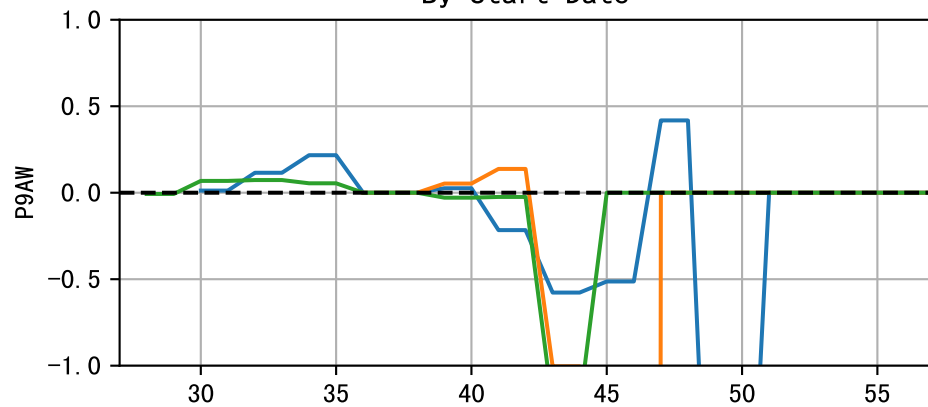


P9AW-052-18L7

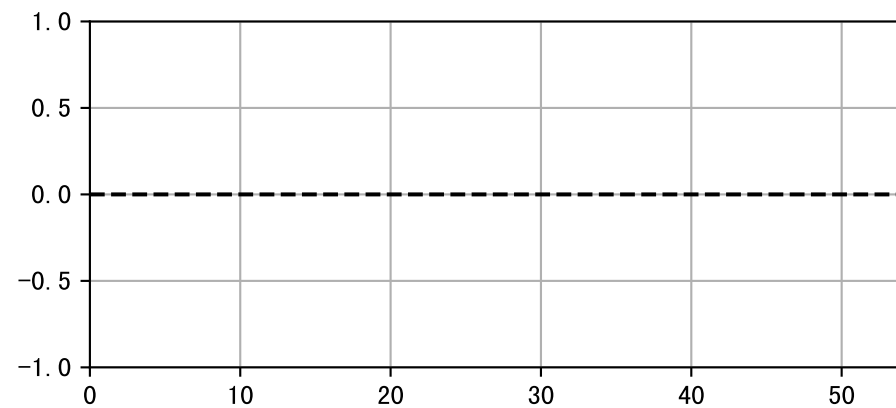
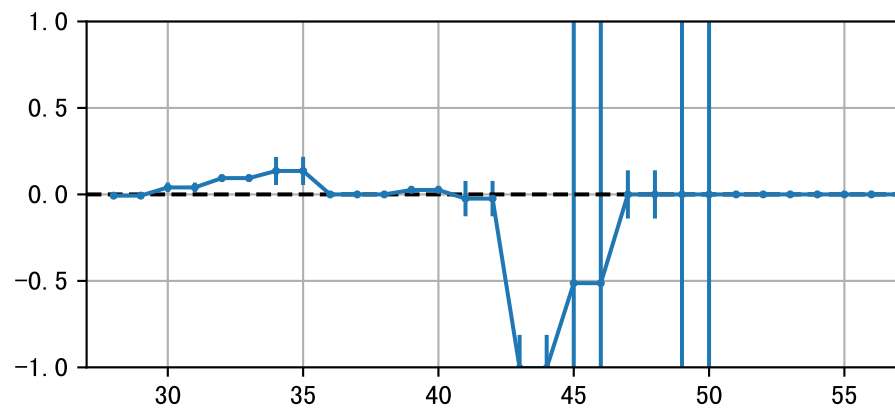
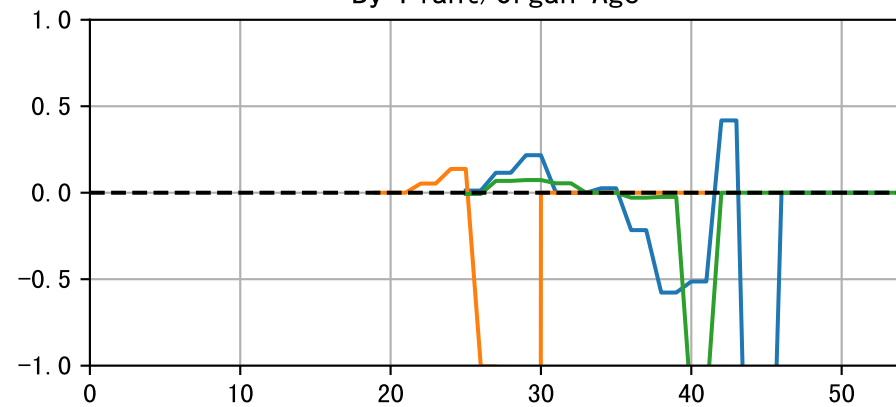


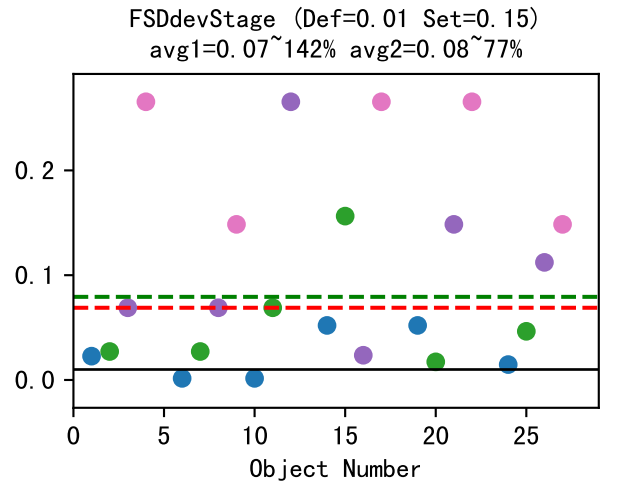
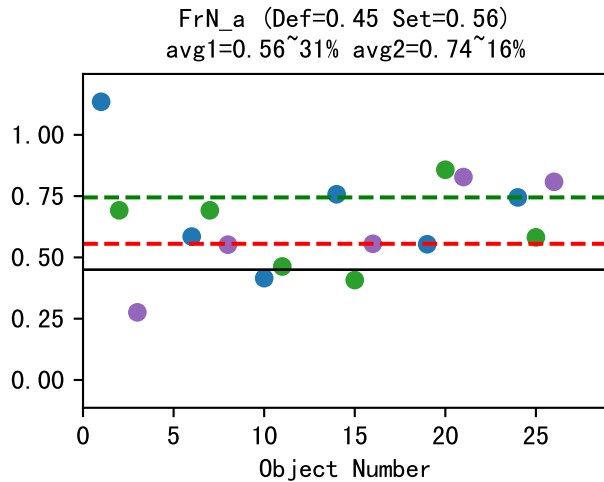
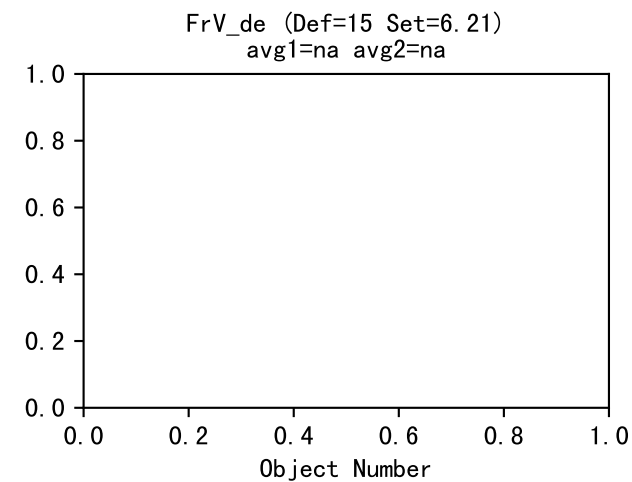
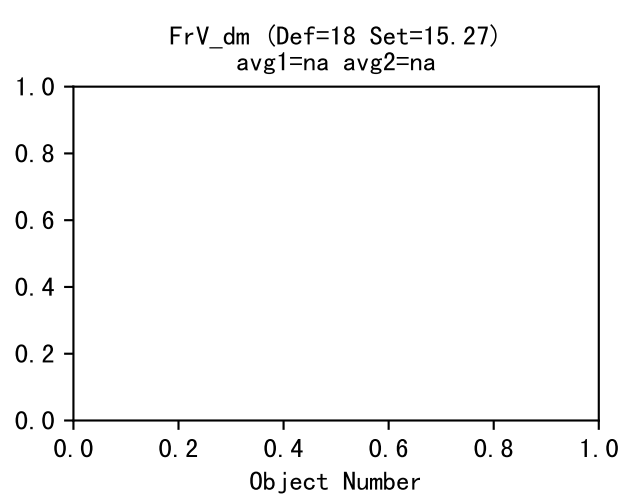
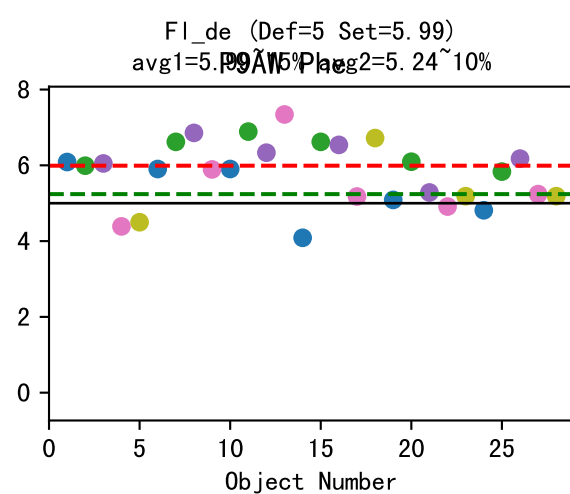
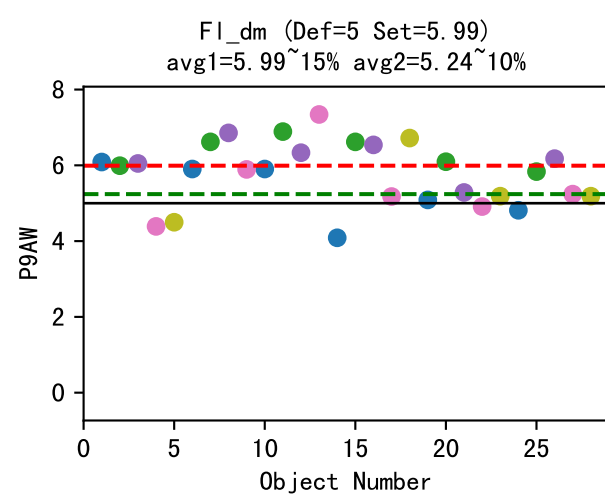


By Start Date

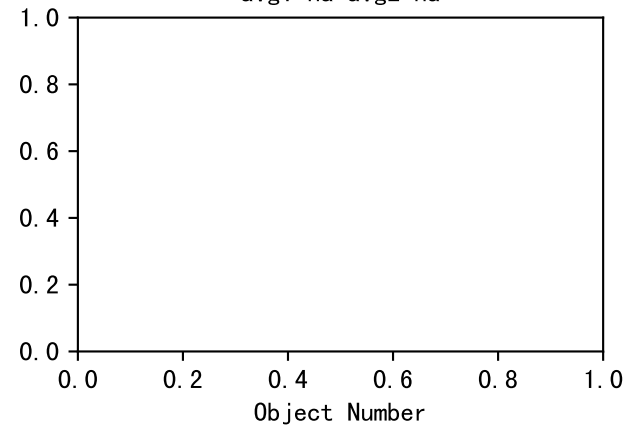


By Plant/Organ Age

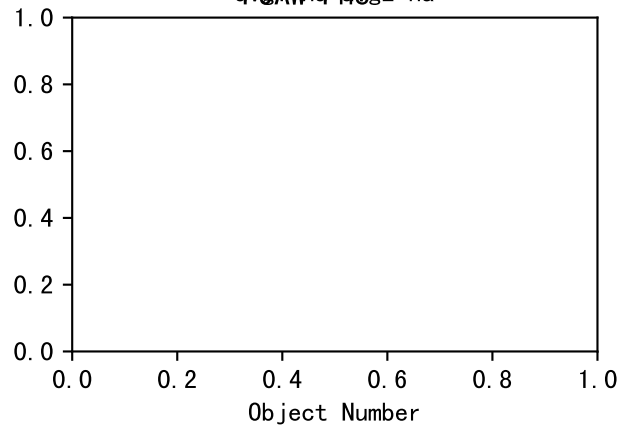




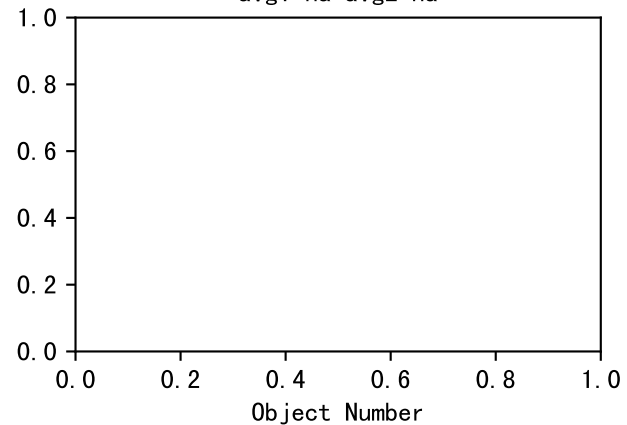
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



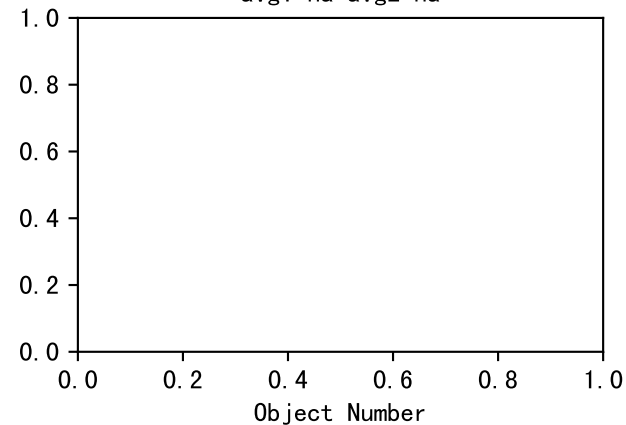
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



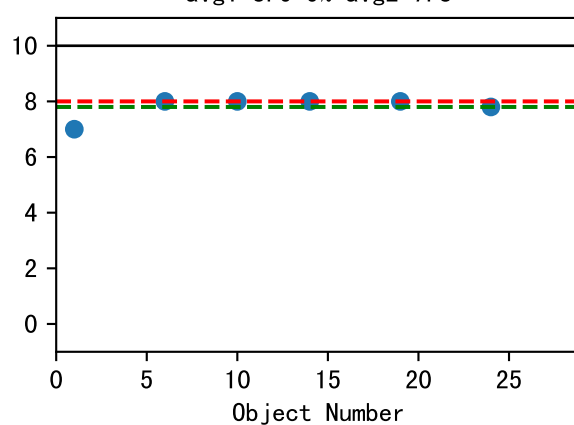
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

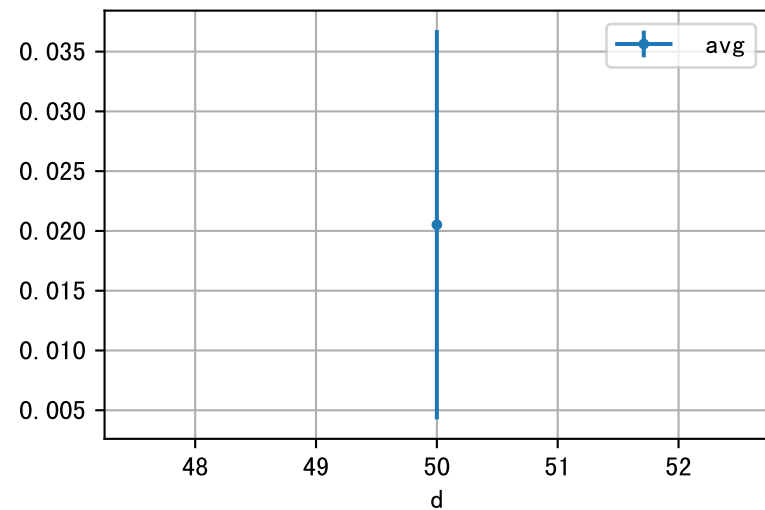


NNgen (Def=10 Set=8)
avg1=8.0~0% avg2=7.8

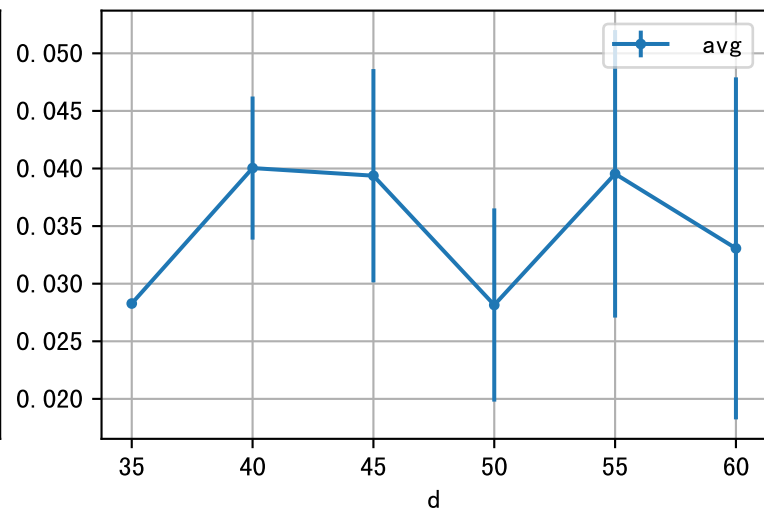


LfA: avg vs. d at each age group

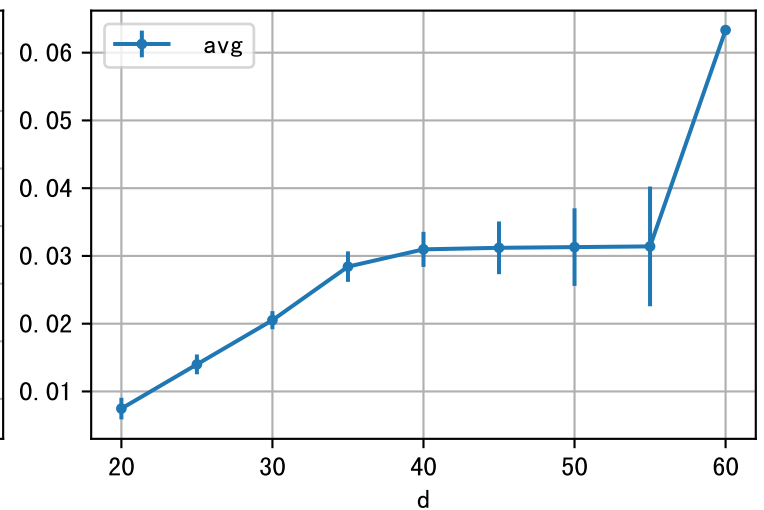
age=15



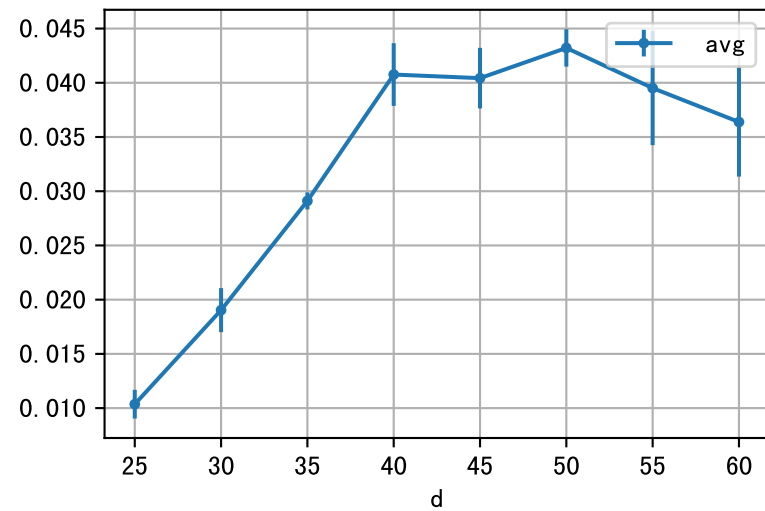
age=20



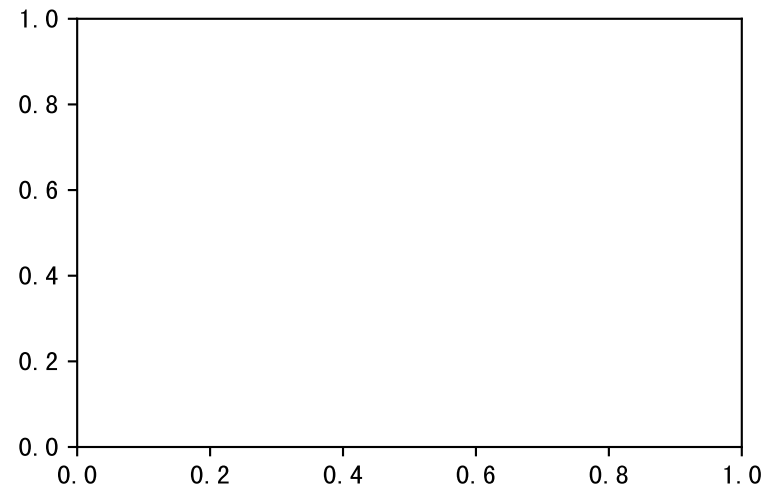
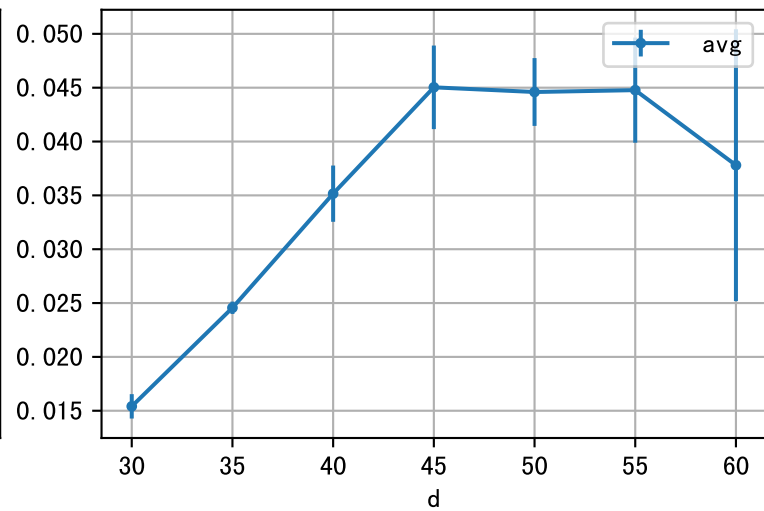
age=25



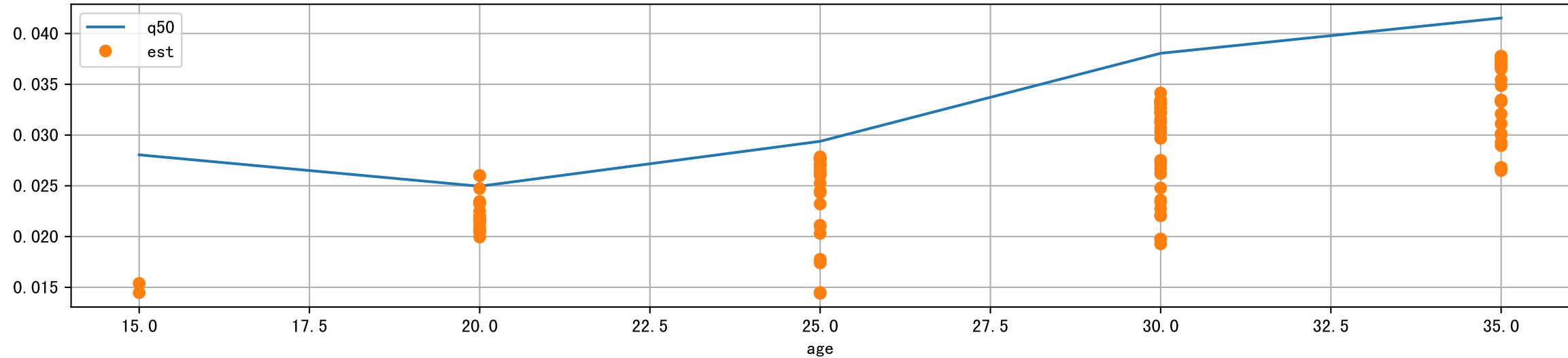
age=30



age=35

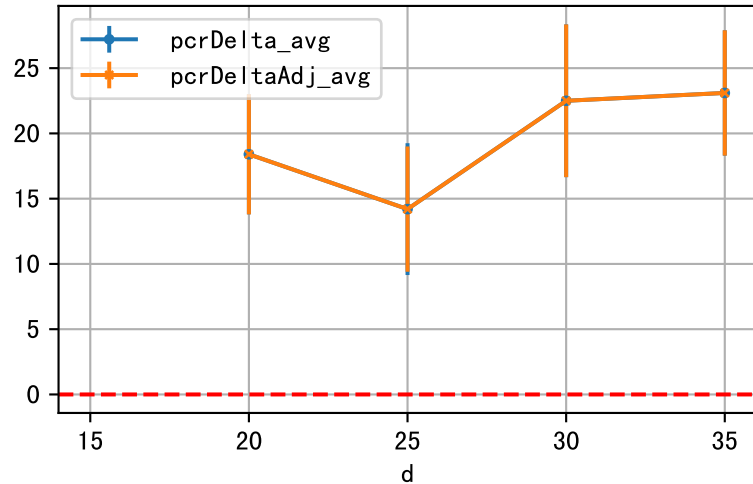


LfA: model est vs obs0v@Q50

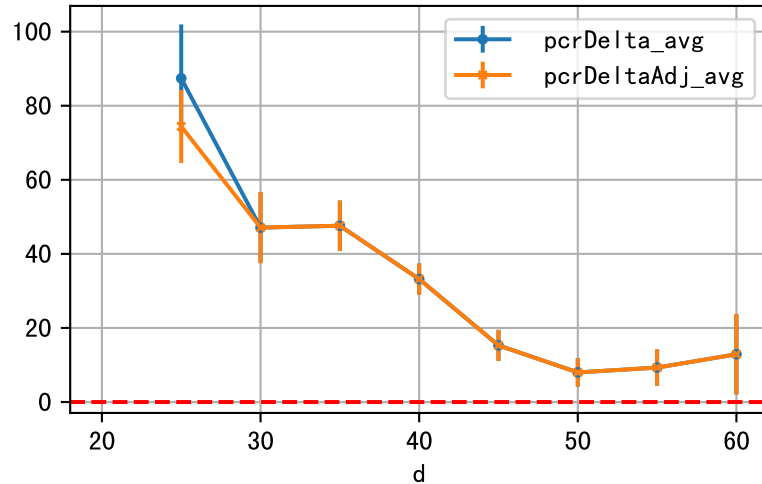


P9AW LfA: D_5d_LfA

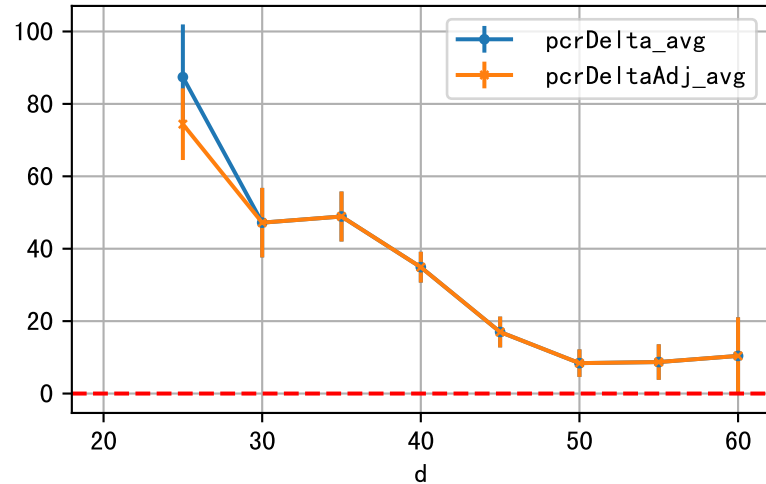
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

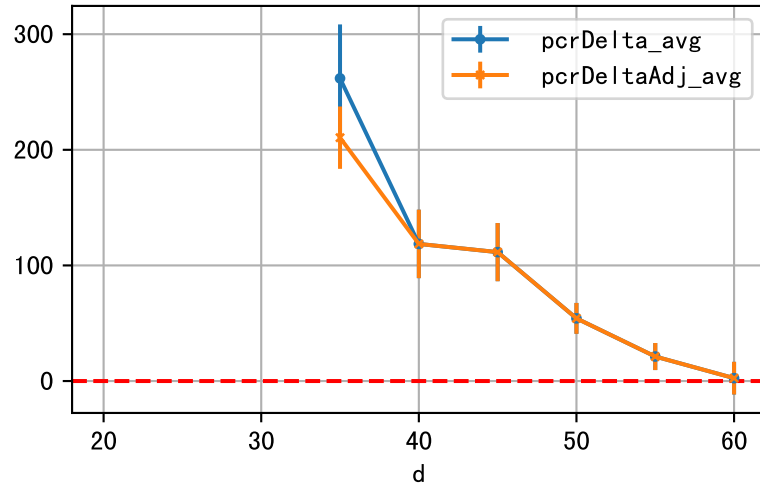


DeltaTypeAbbr=Wei AvgByD

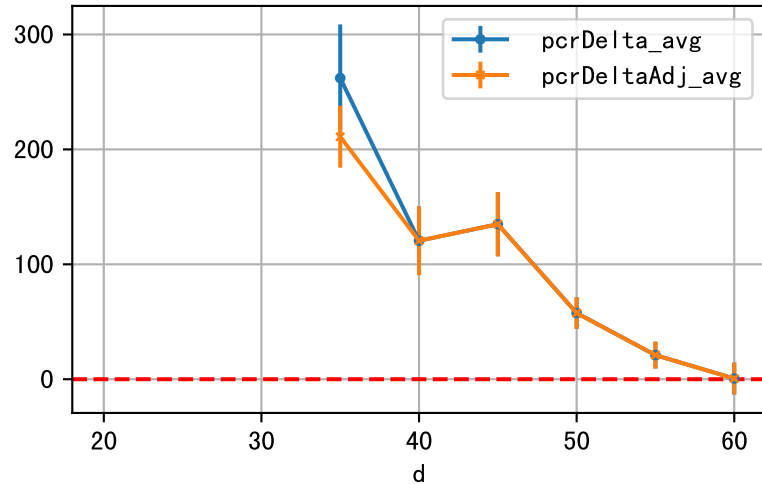


P9AW LfA: D_15d_LfA

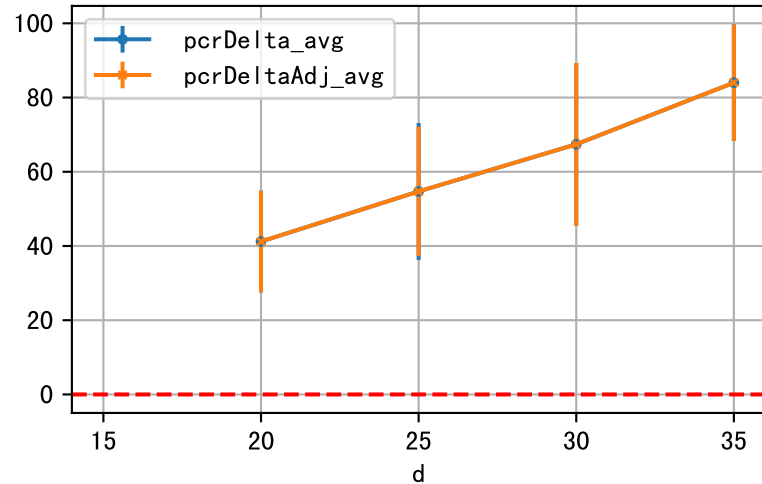
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

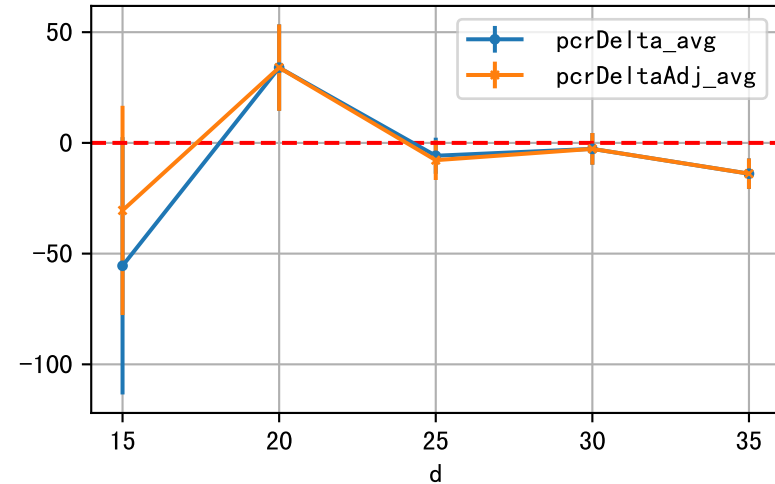


DeltaTypeAbbr=GrpByAge

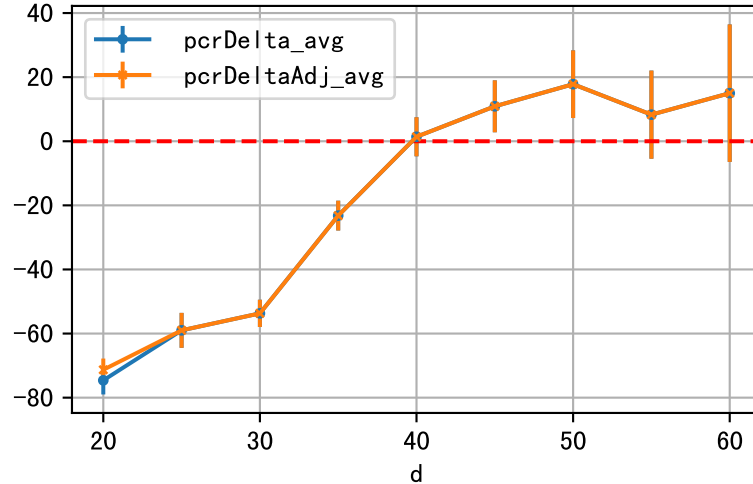


P9AW LfA: D_Q50_LfA

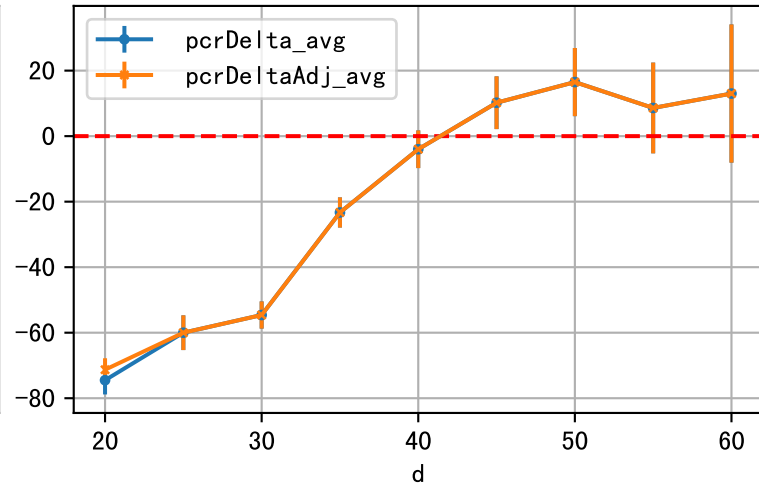
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

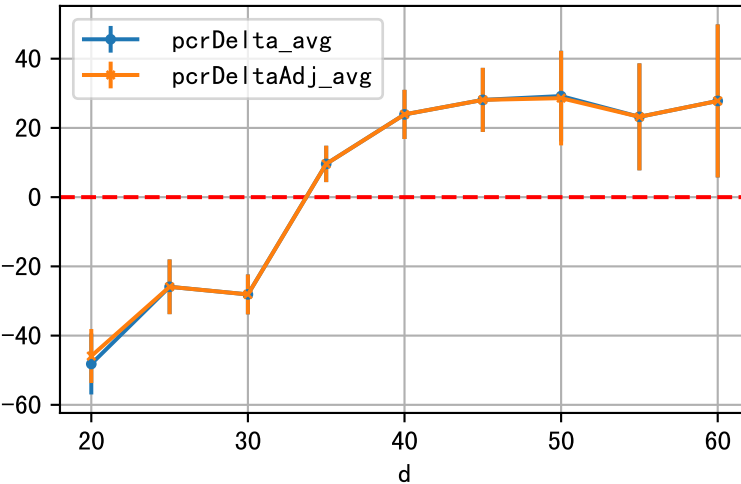


DeltaTypeAbbr=Wei AvgByD

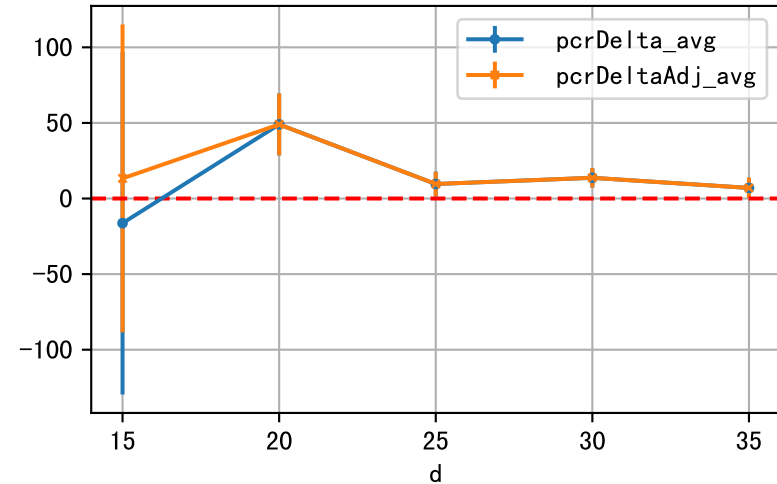


P9AW LfA: D_Est_LfA

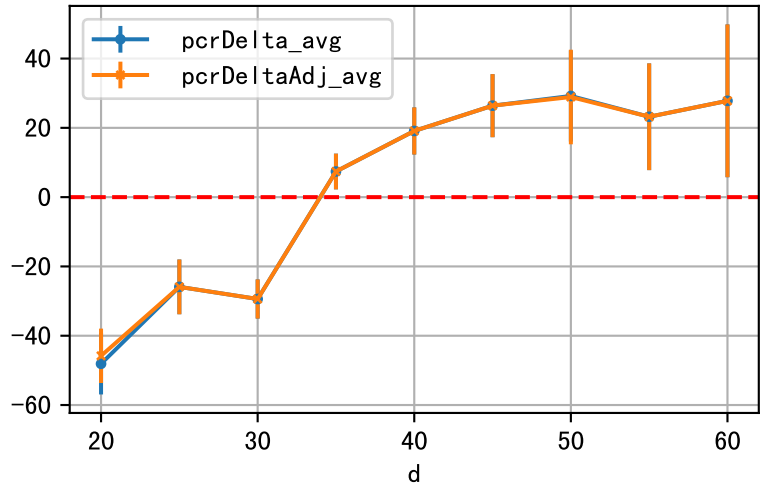
DeltaTypeAbbr=GrpByDay



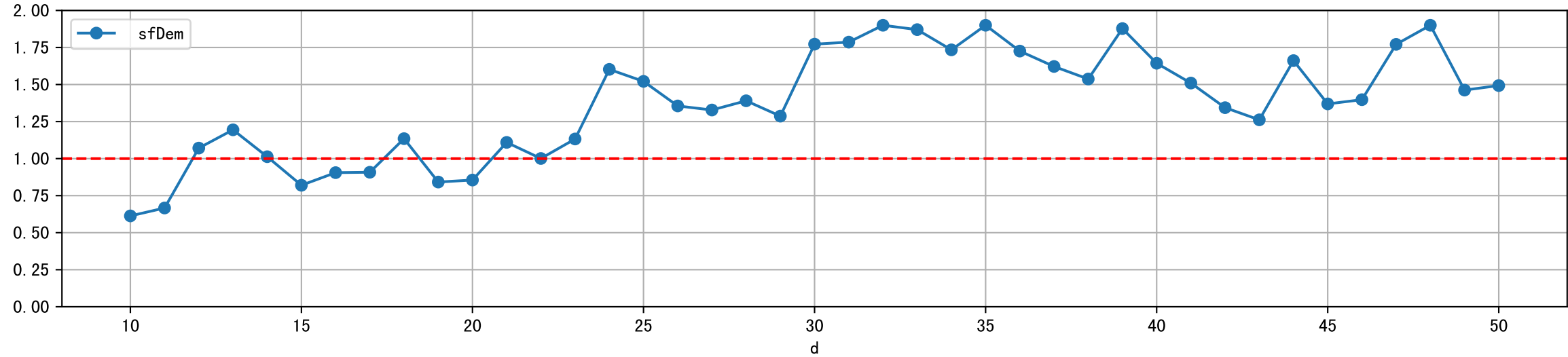
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD



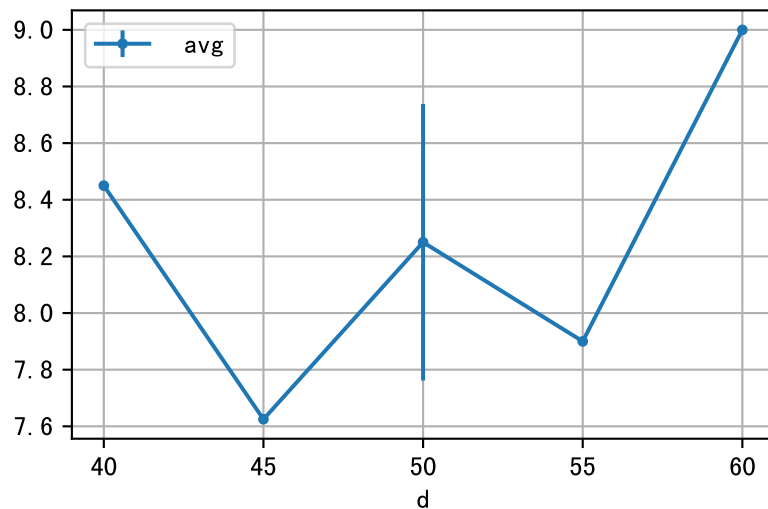
LfA: sfDem



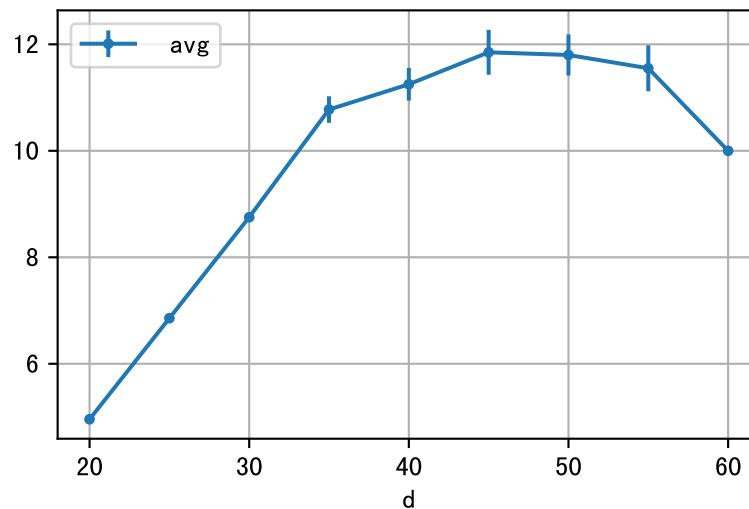


NdD: avg vs. d at each age group

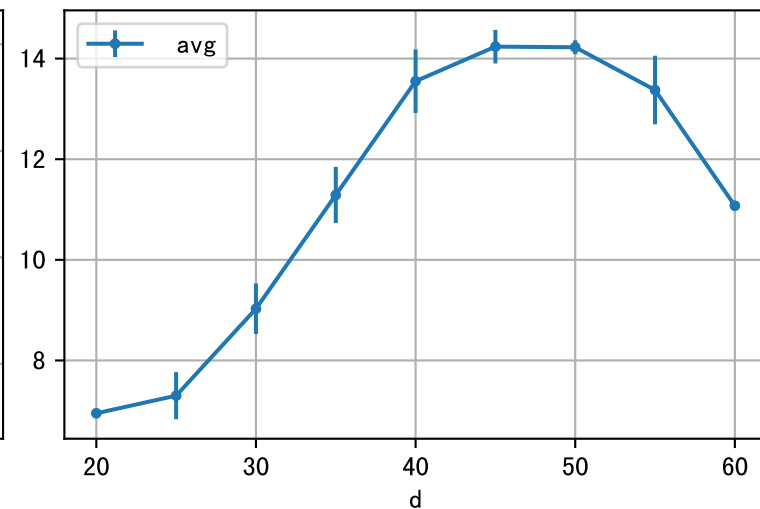
age=15



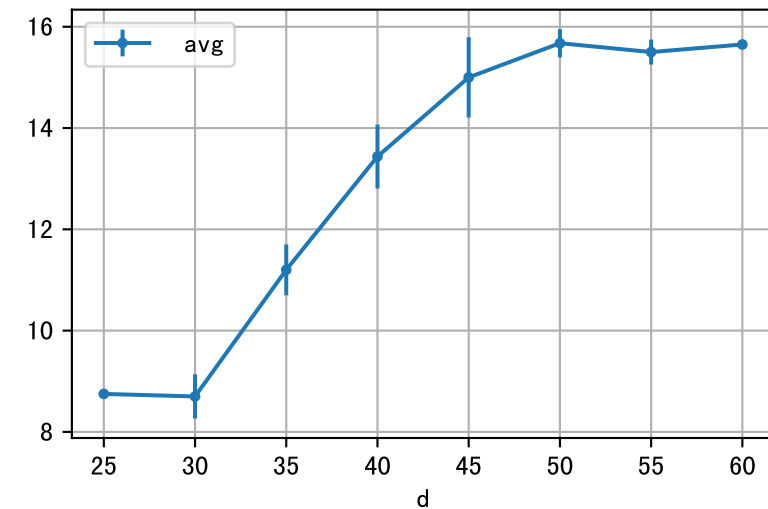
age=20



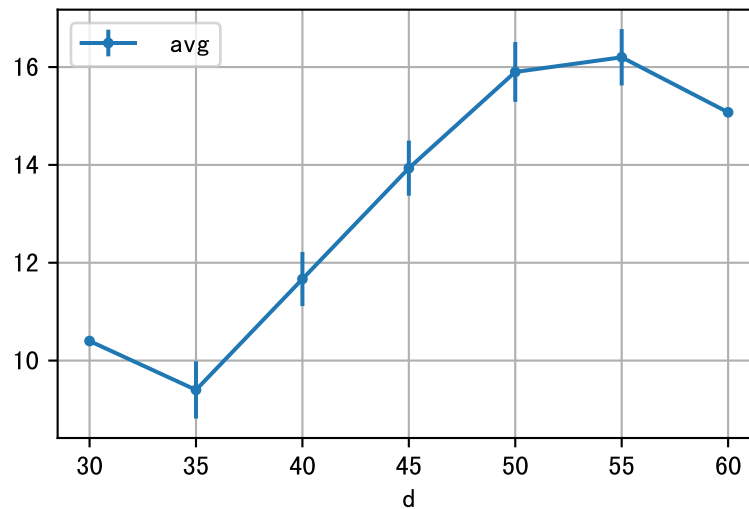
age=25



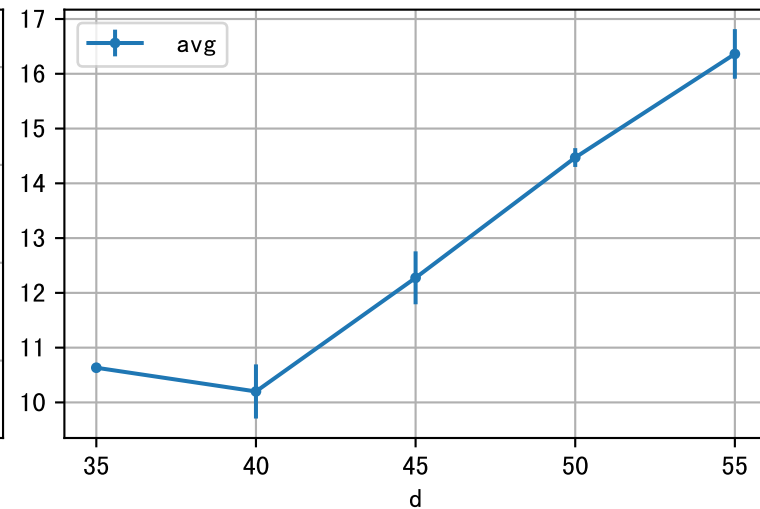
age=30



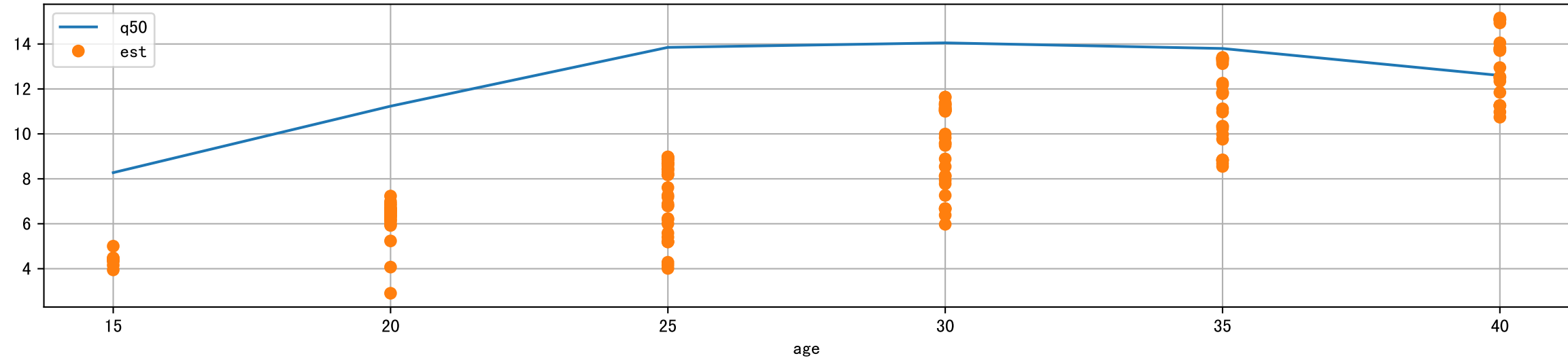
age=35



age=40

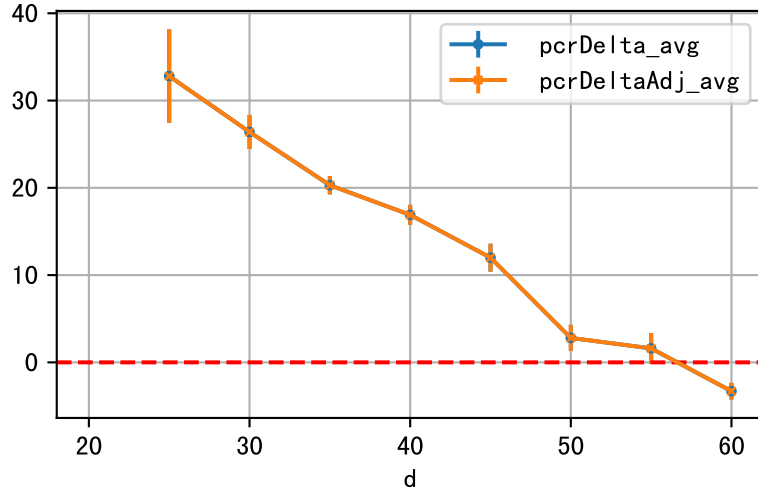


NdD: model est vs obs0v@Q50

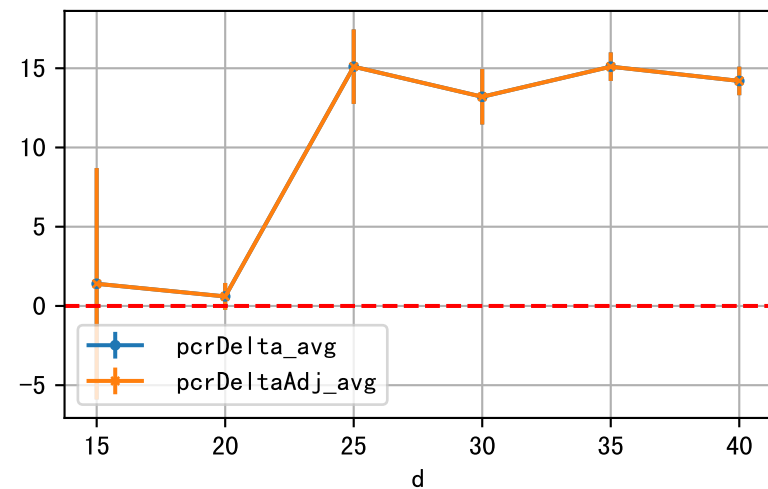


P9AW NdD: D_5d_NdD

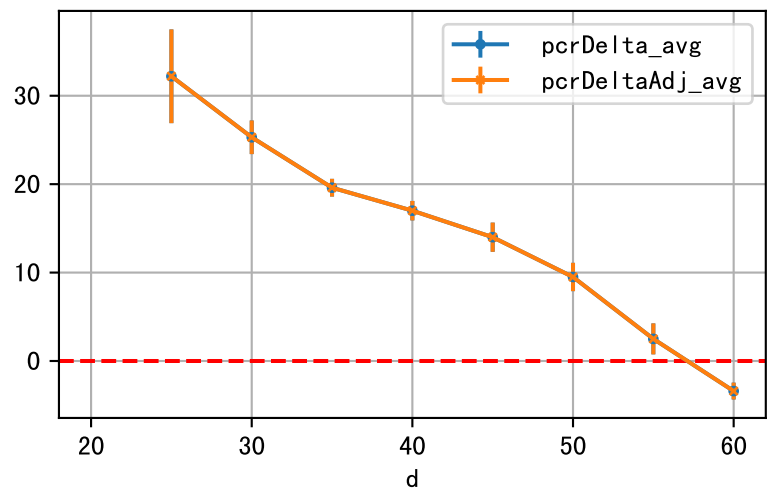
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

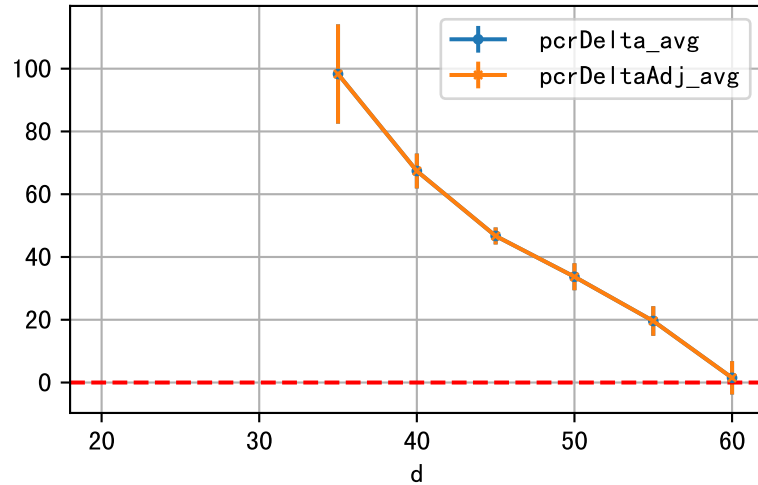


DeltaTypeAbbr=Wei AvgByD

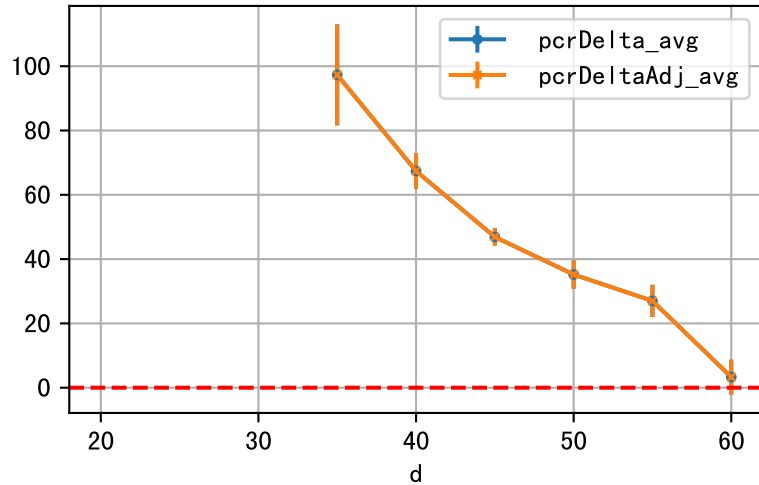


P9AW NdD: D_15d_NdD

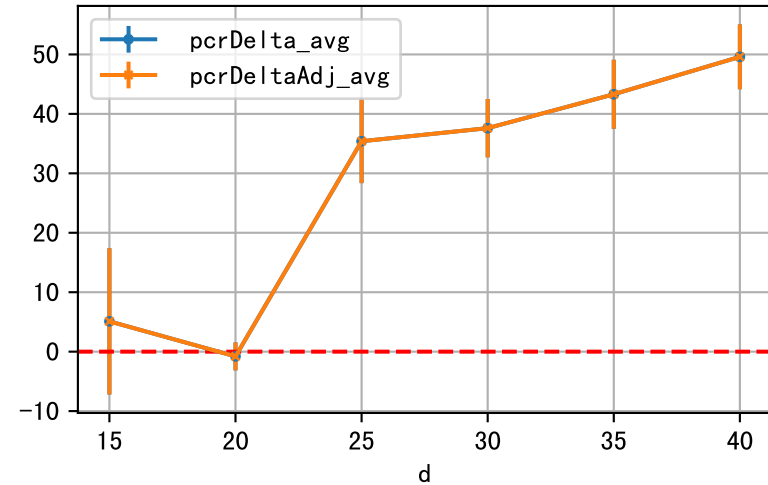
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

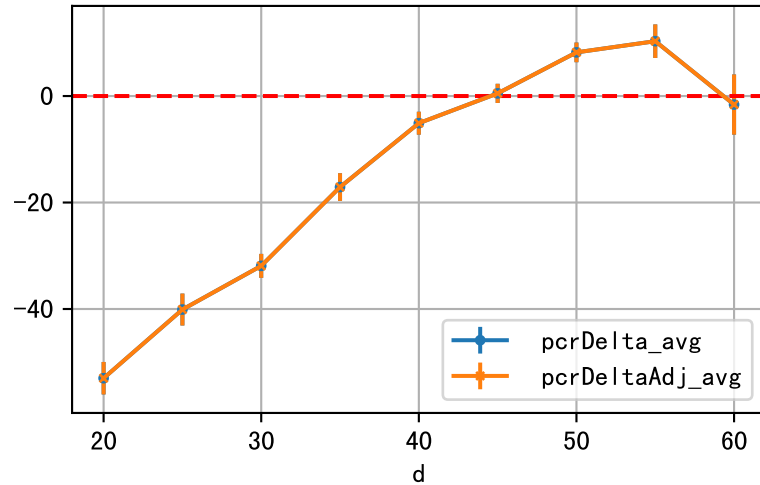


DeltaTypeAbbr=GrpByAge

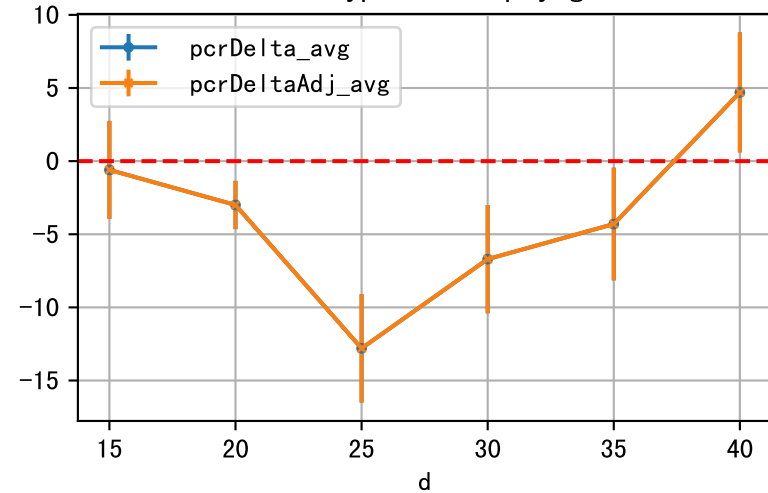


P9AW NdD: D_Q50_NdD

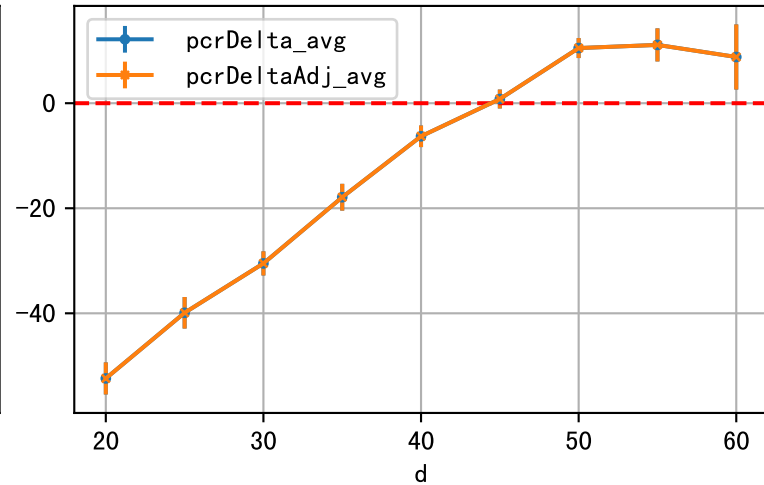
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DeltaTypeAbbr=GrpByAge

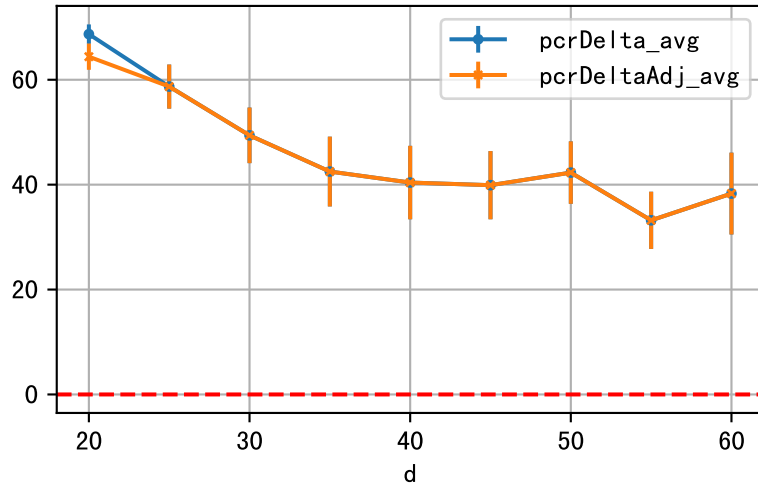


DeltaTypeAbbr=Wei AvgByD

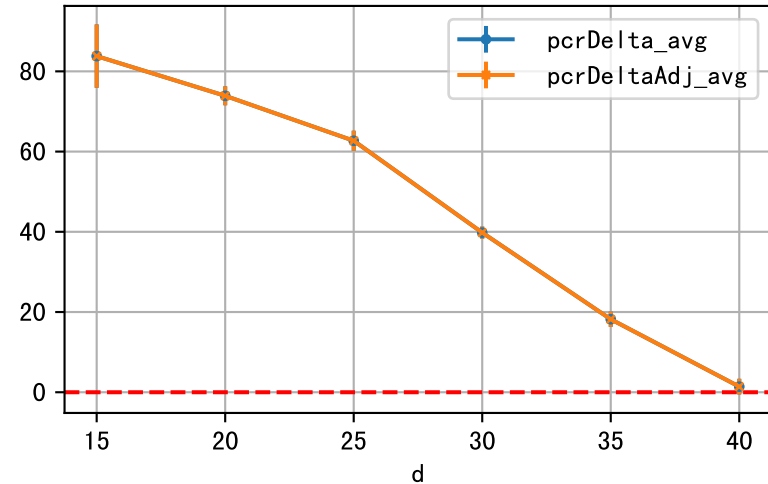


P9AW NdD: D_Est_NdD

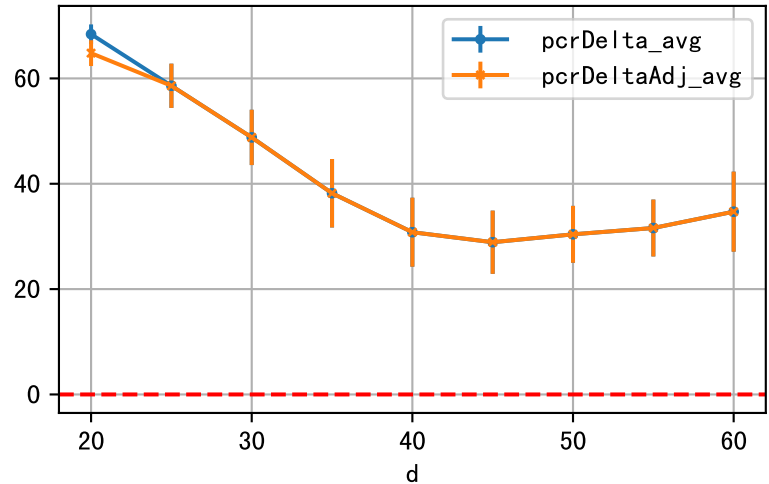
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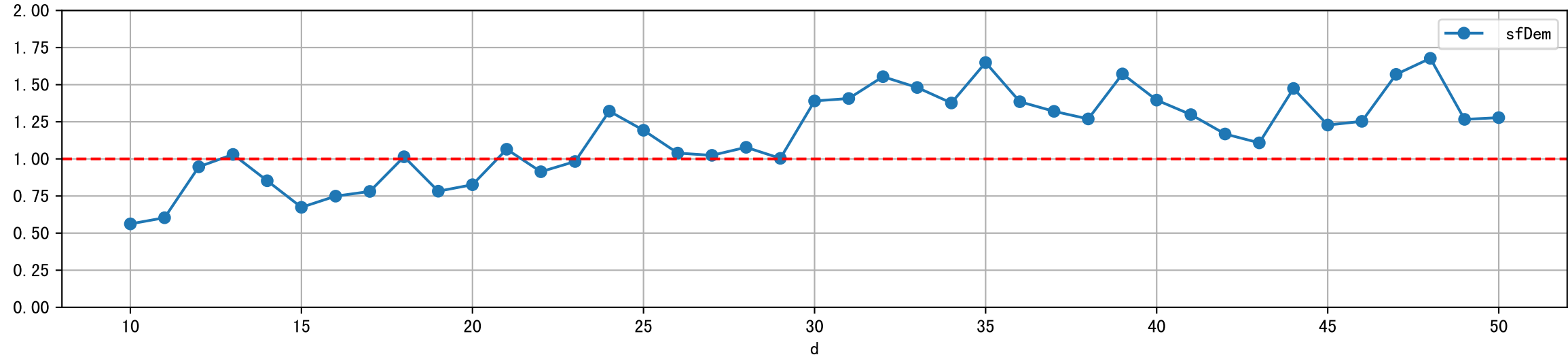
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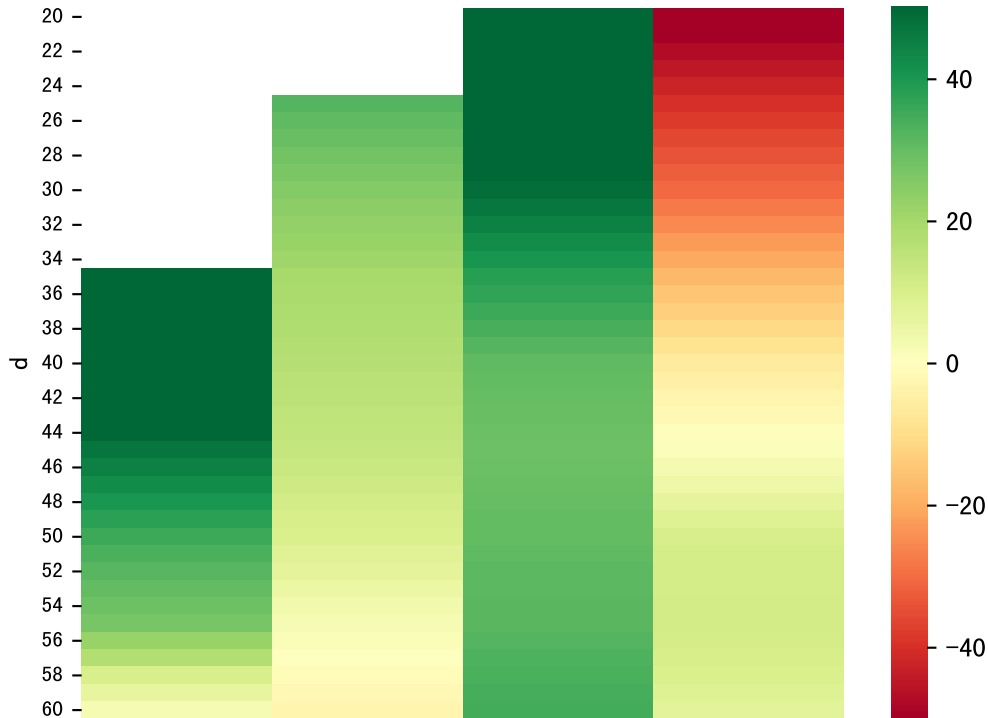


DeltaTypeAbbr=WeiAvgByD

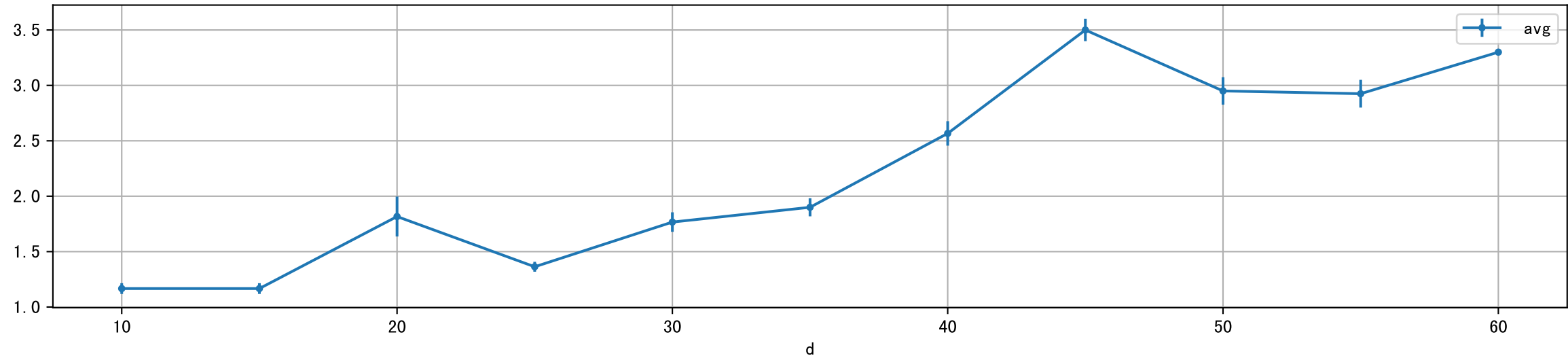


NdD: sfDem

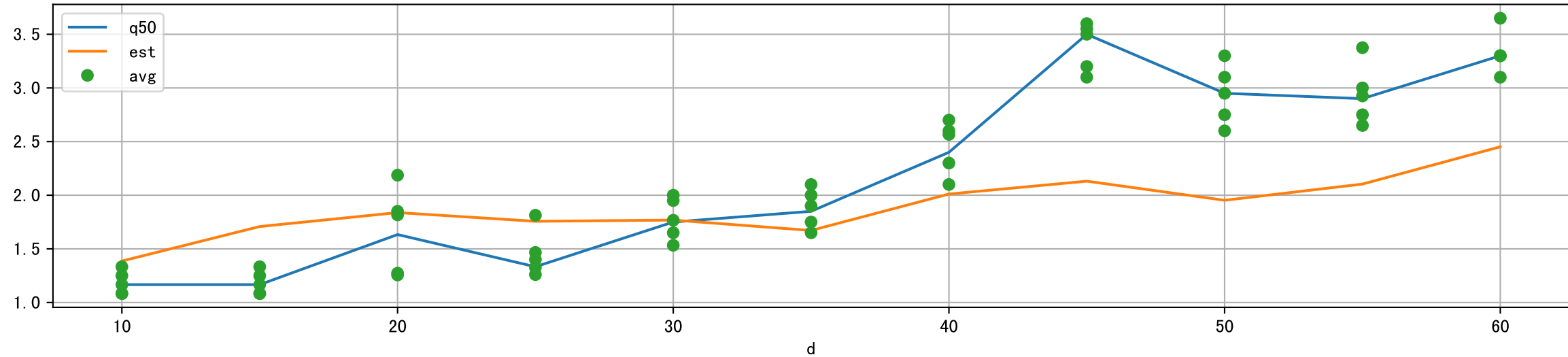




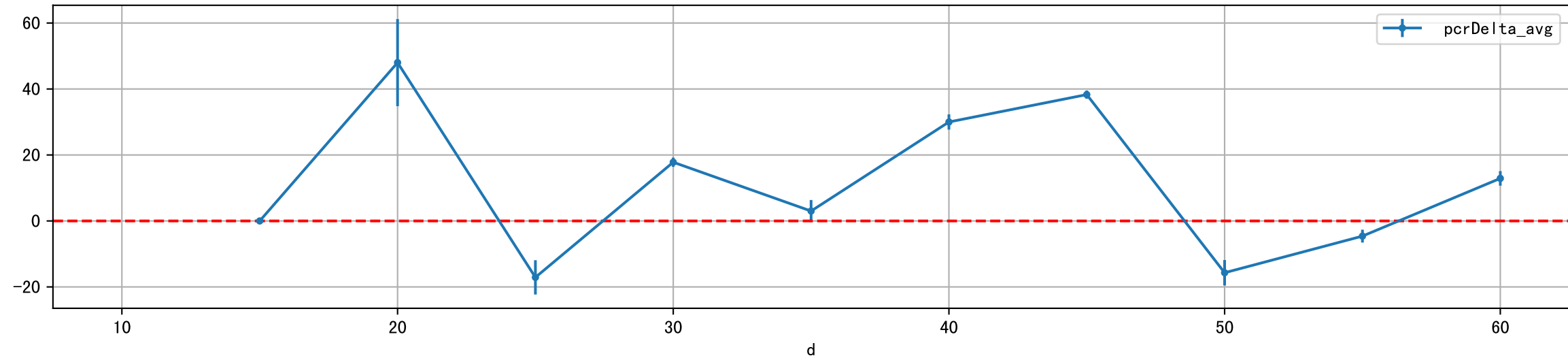
dStH: avg vs. d



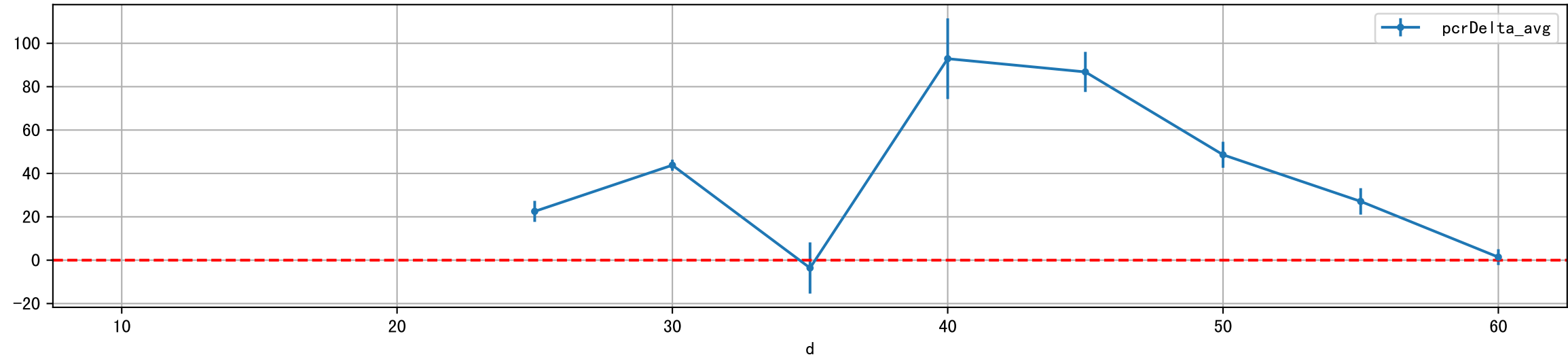
dStH: obsAvg vs obs0v@Q50



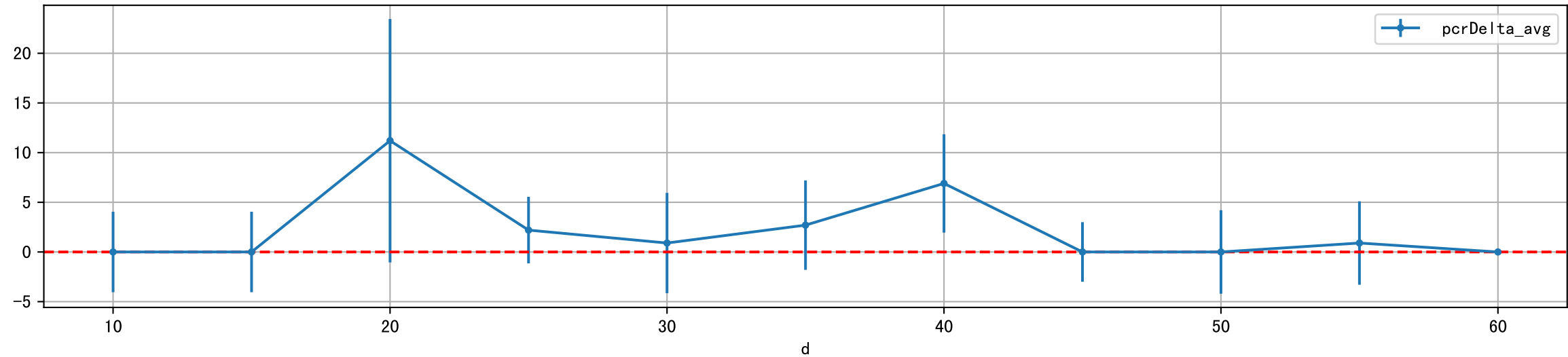
dStH: D_5d_StH



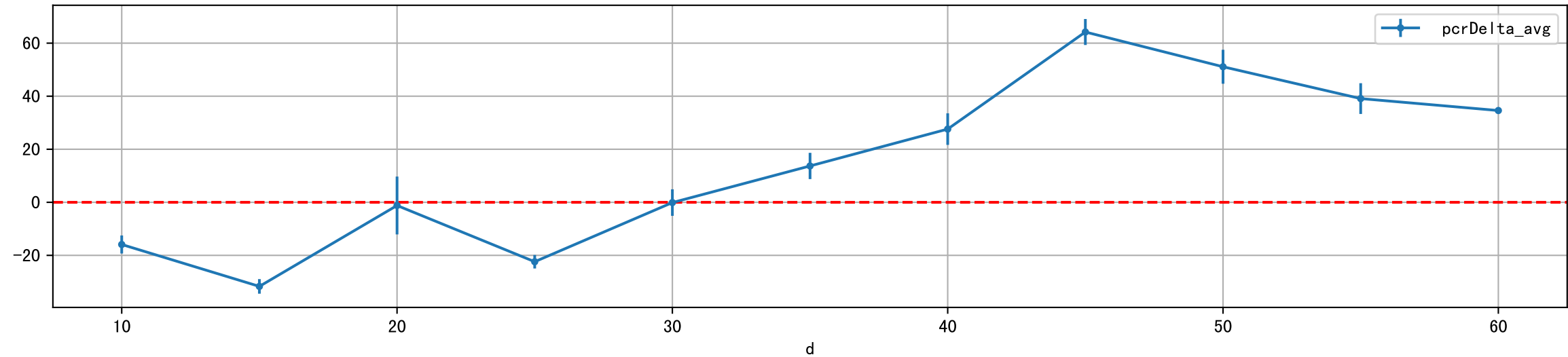
dStH: D_15d_StH



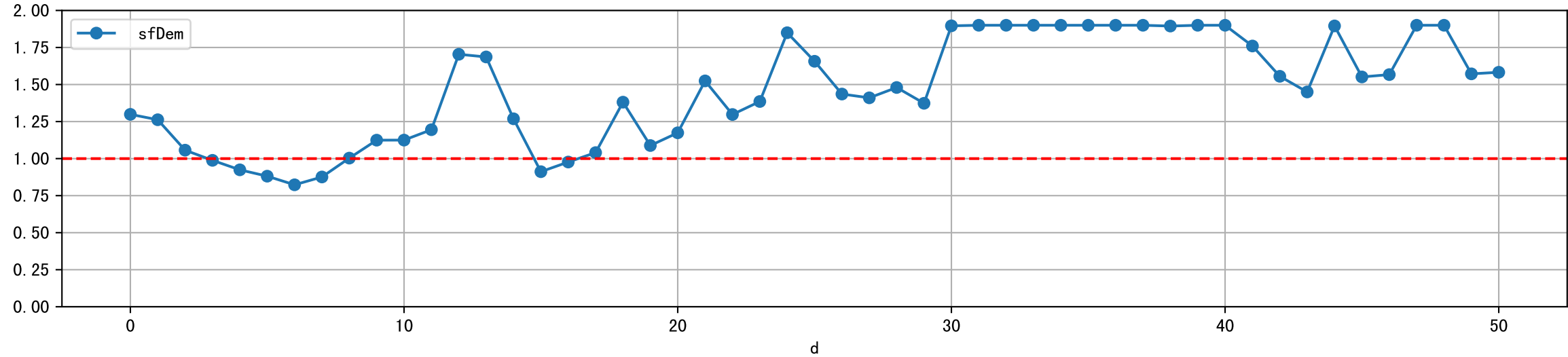
dStH: D_Q50_StH

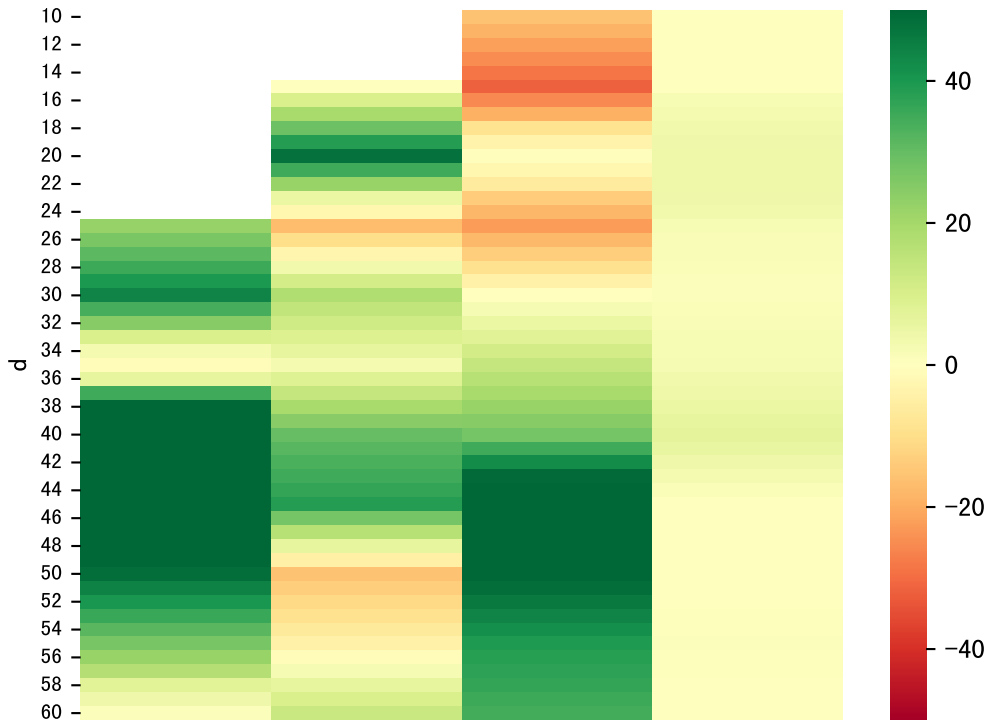


dStH: D_Est_StH



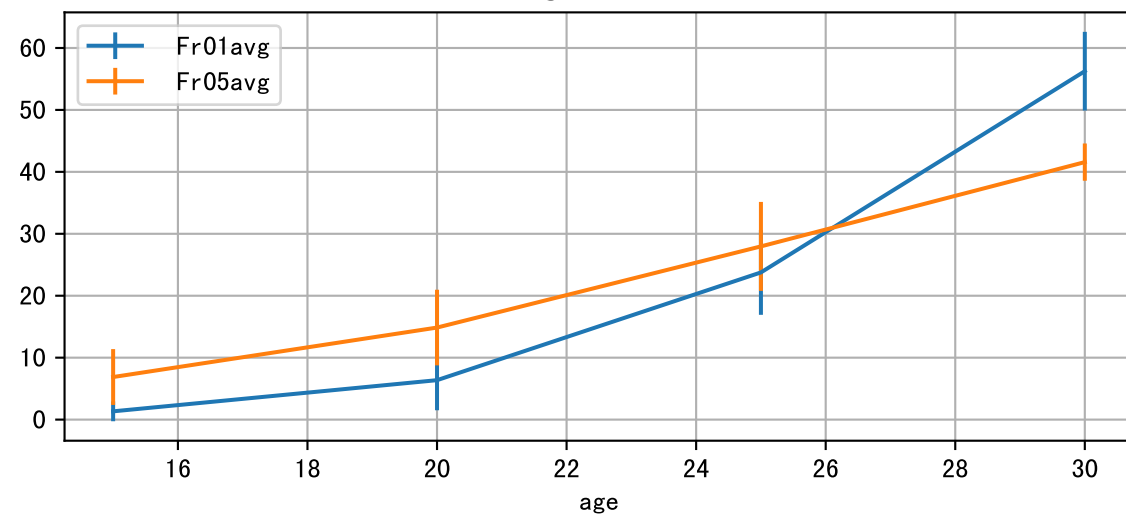
dStH: sfDem



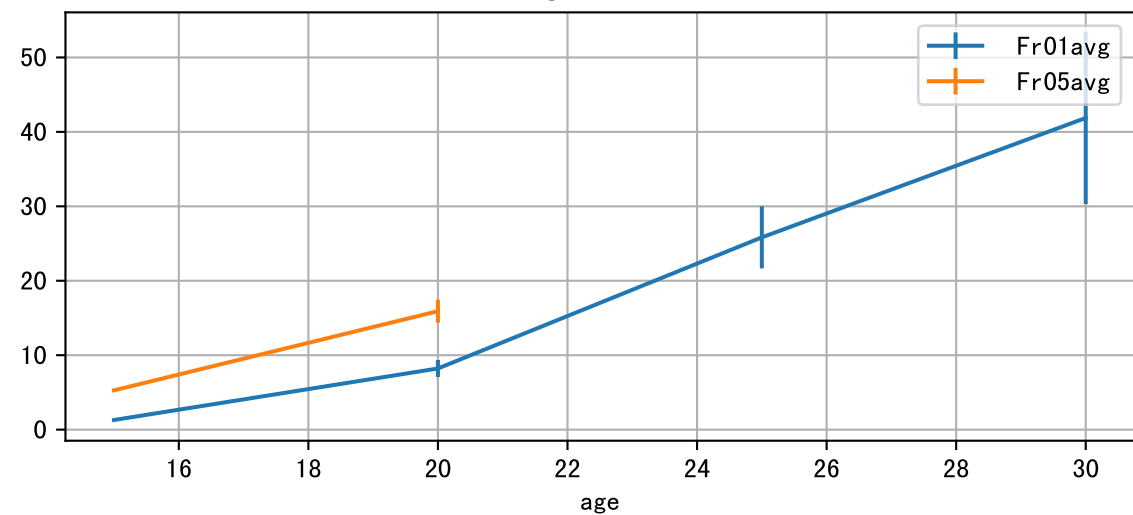


FrV: Fr01 vs Fr05 at each truss

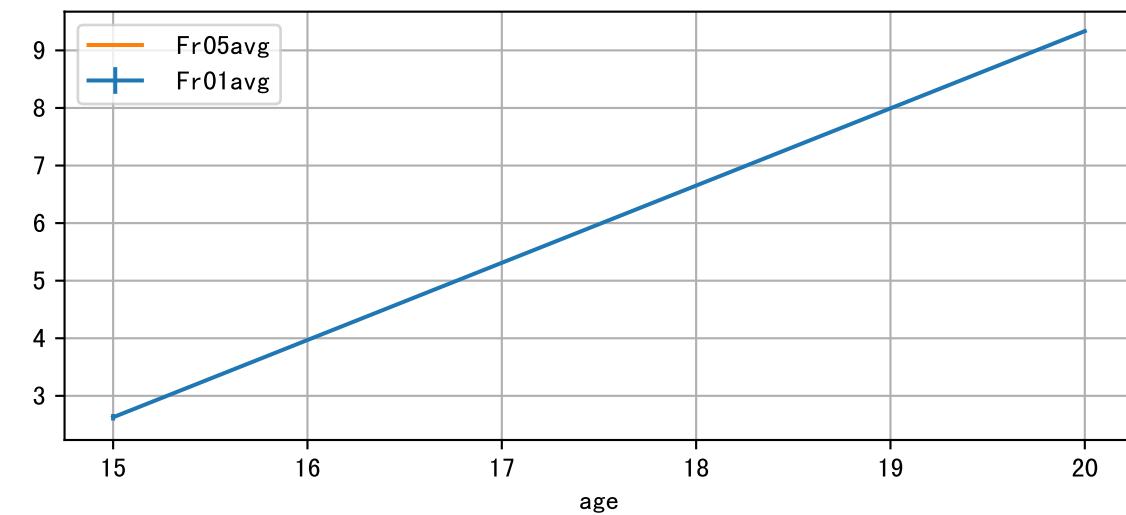
organID=T01



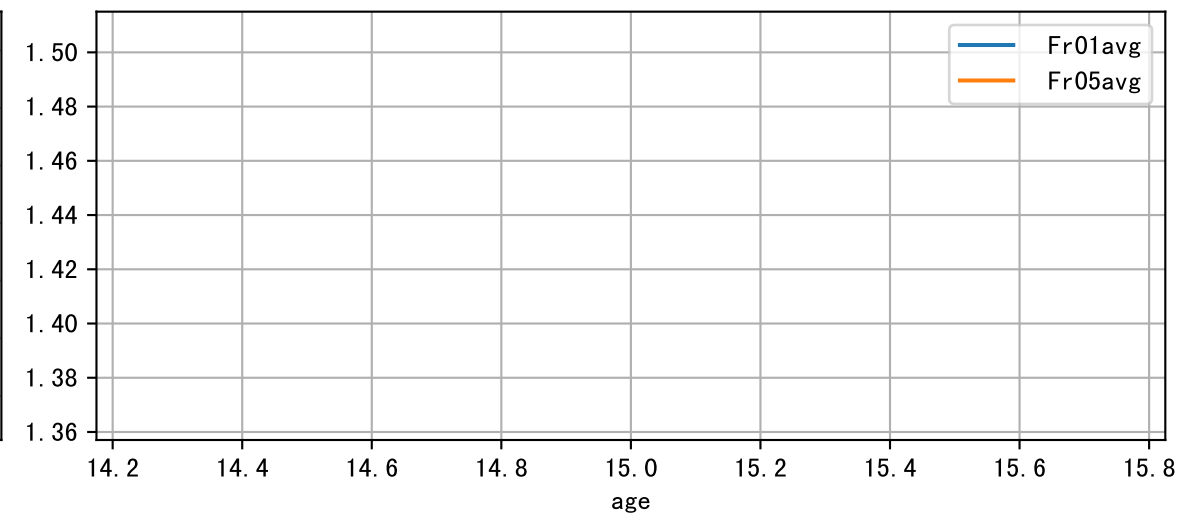
organID=T02



organID=T03

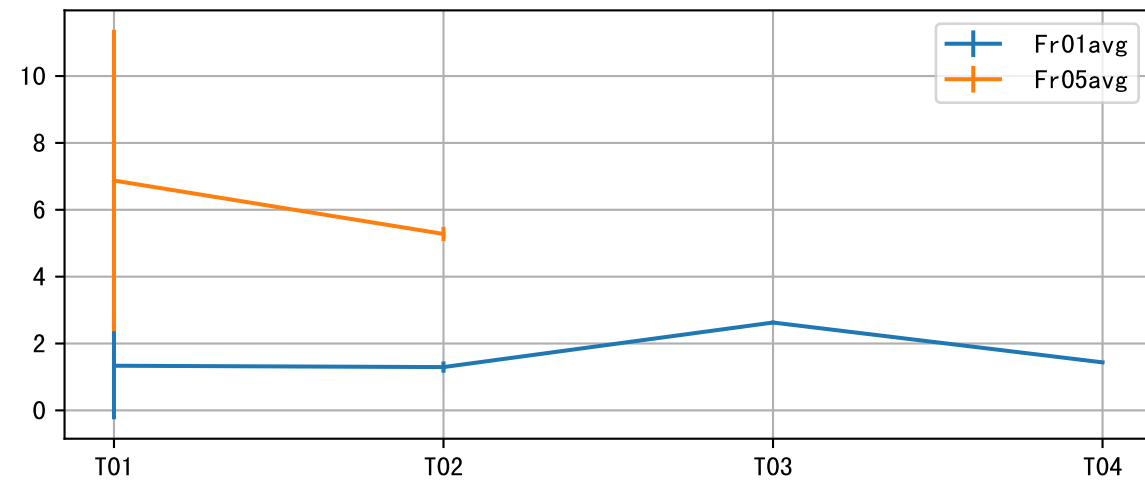


organID=T04

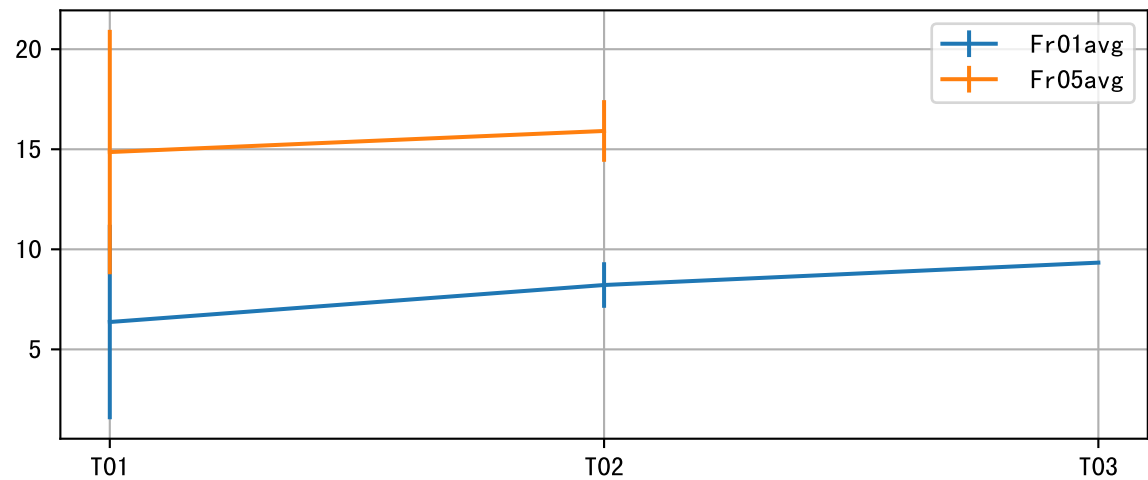


FrV trend at each age

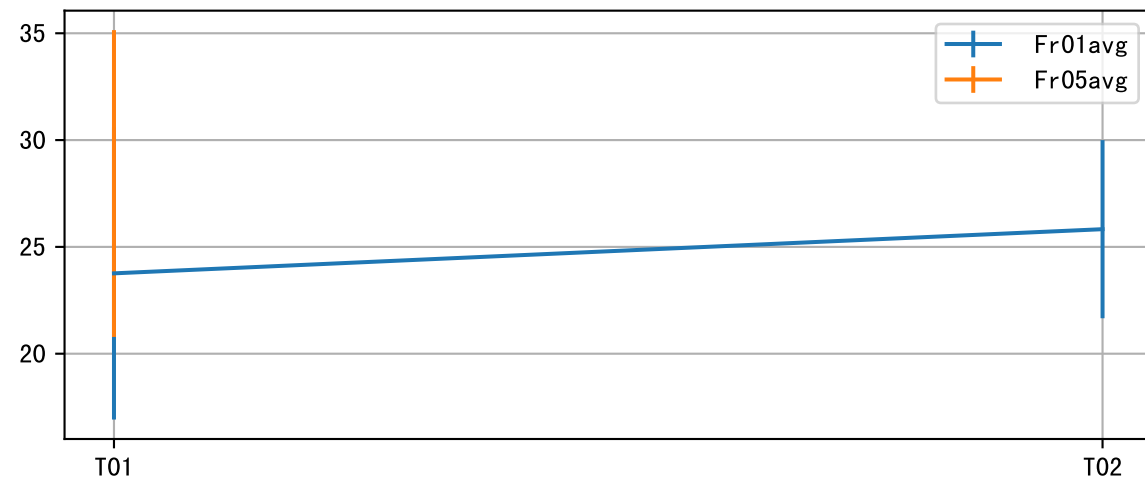
age=15



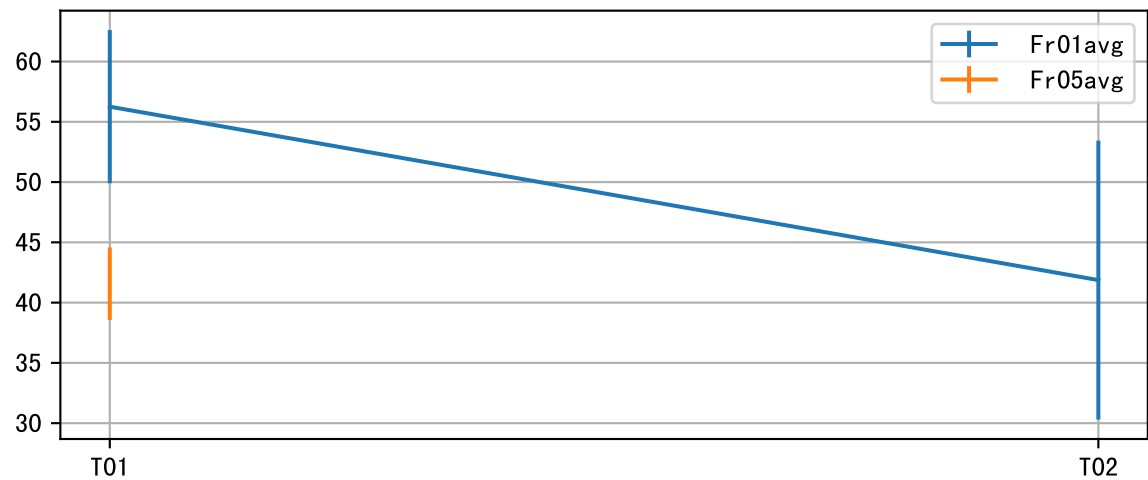
age=20



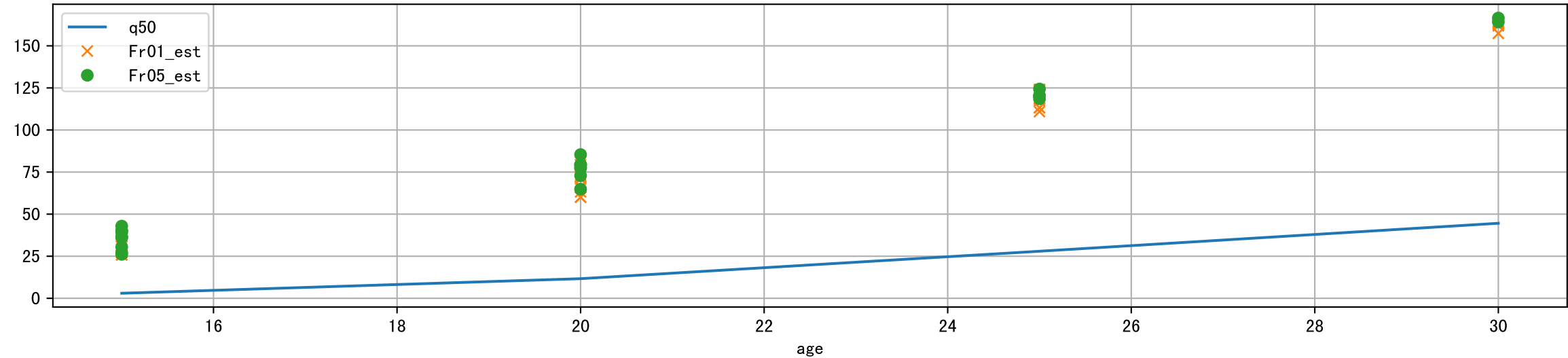
age=25



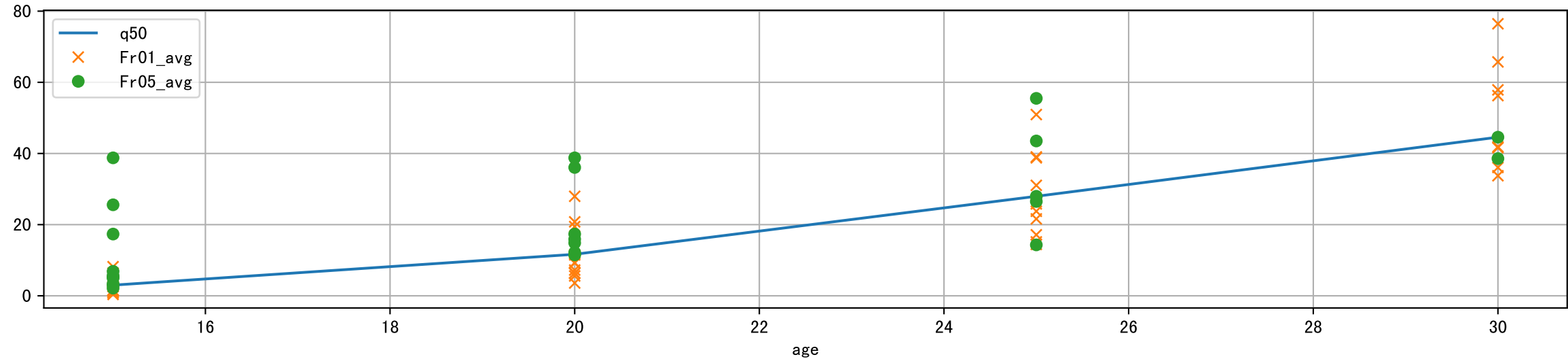
age=30



FrV: model Est vs obsFrV at Q90

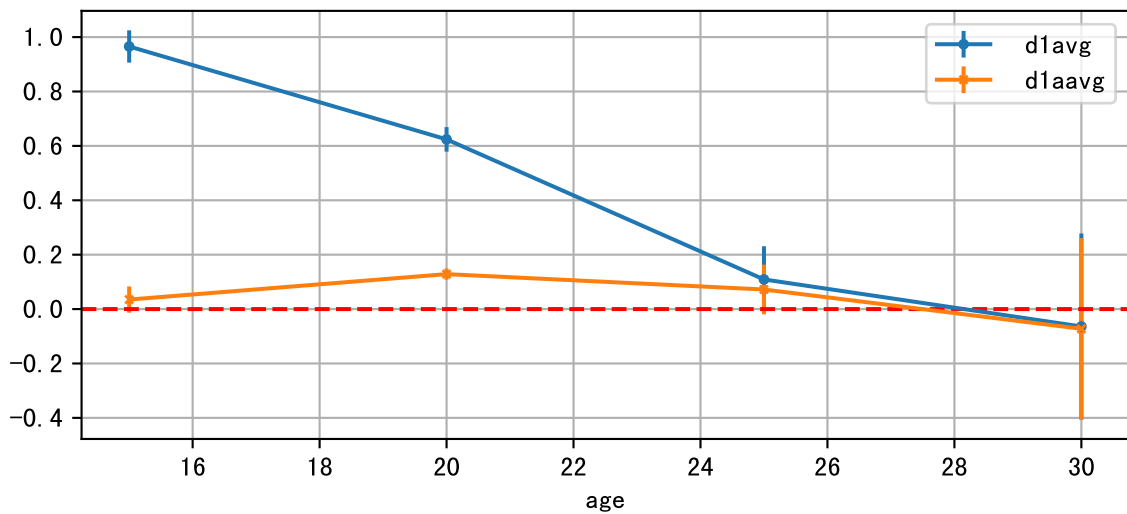


FrV: obsFrV vs obsFrV@Q90

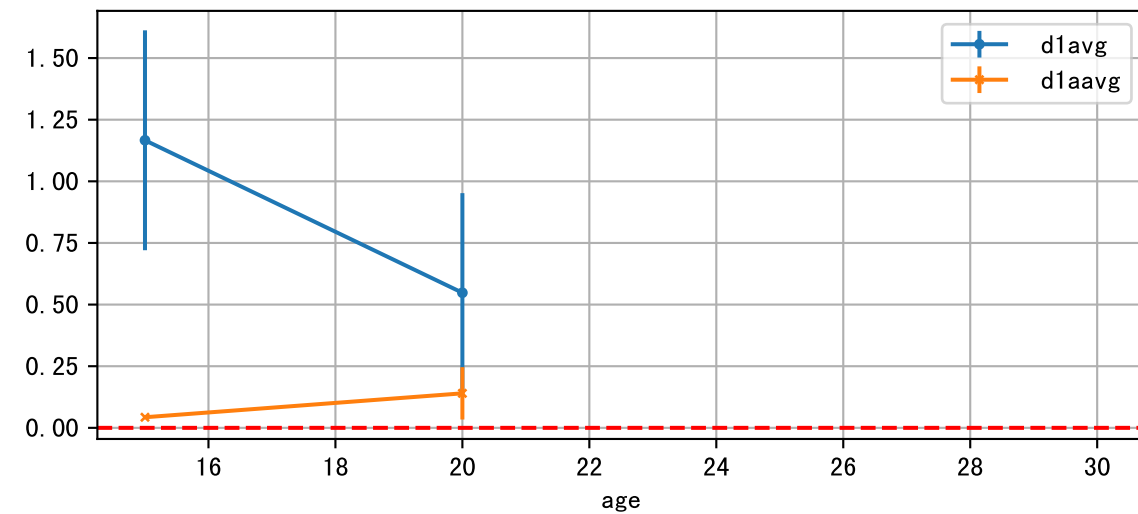


FrV: D_Fr1_FrV

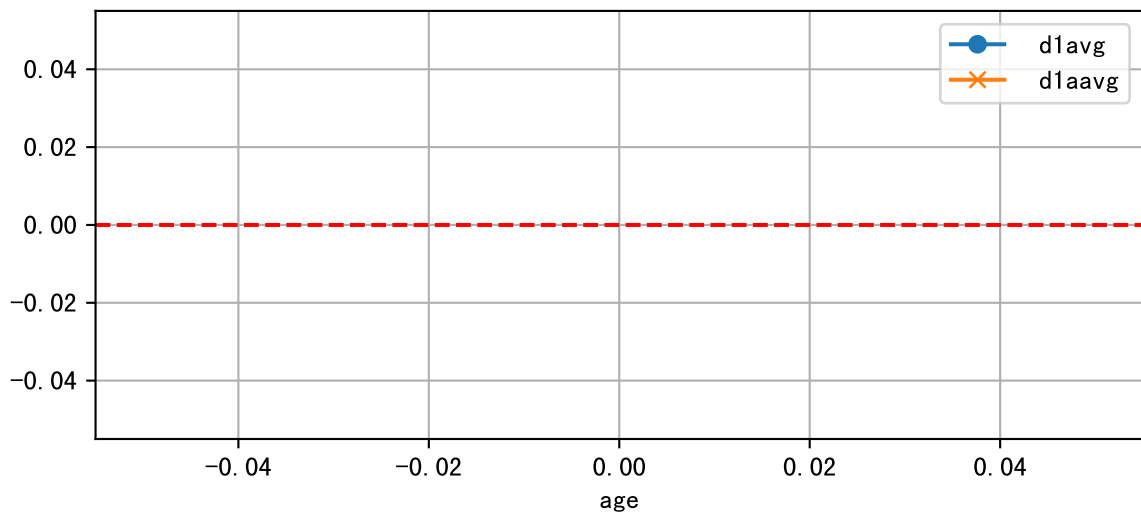
organID=1



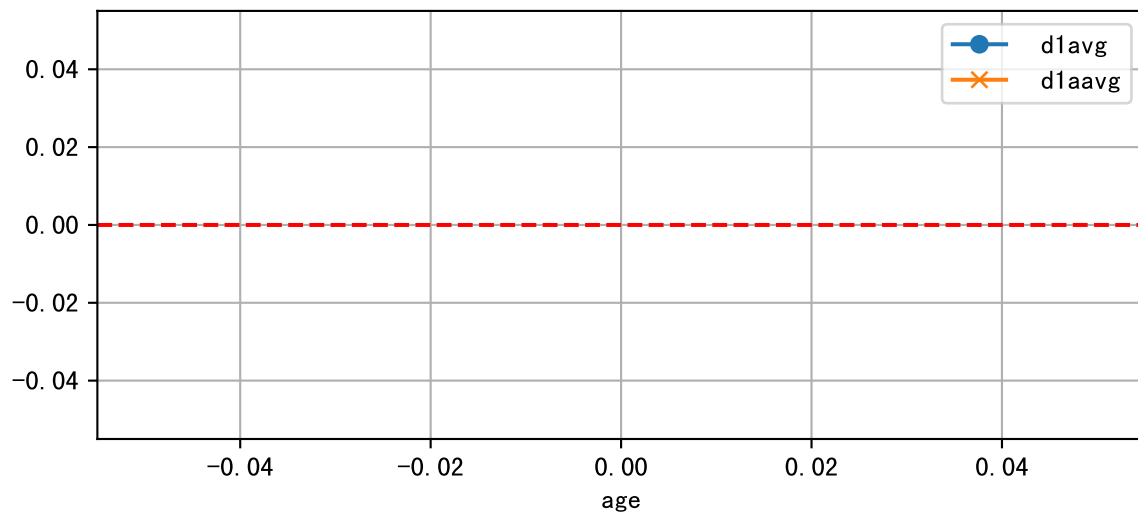
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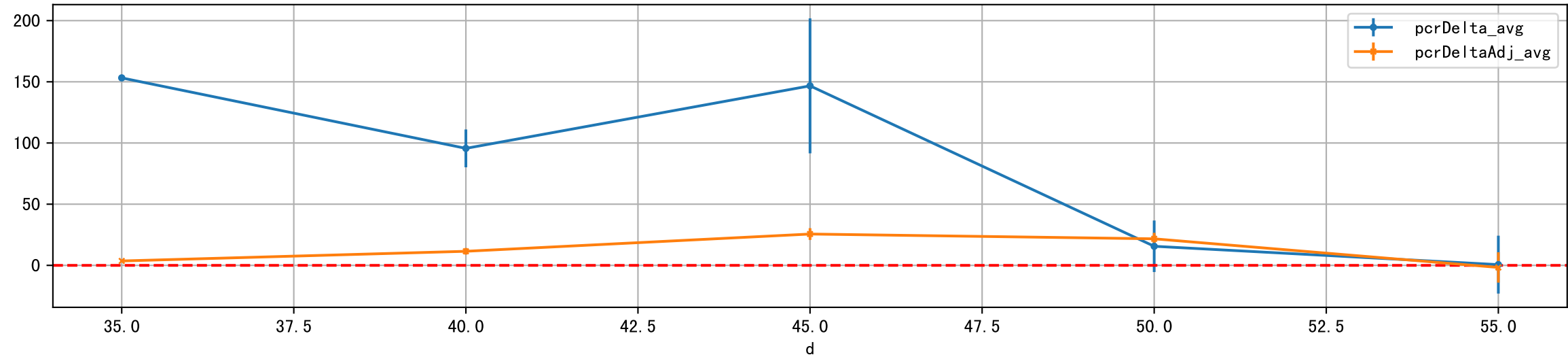
organID=3



organID=4

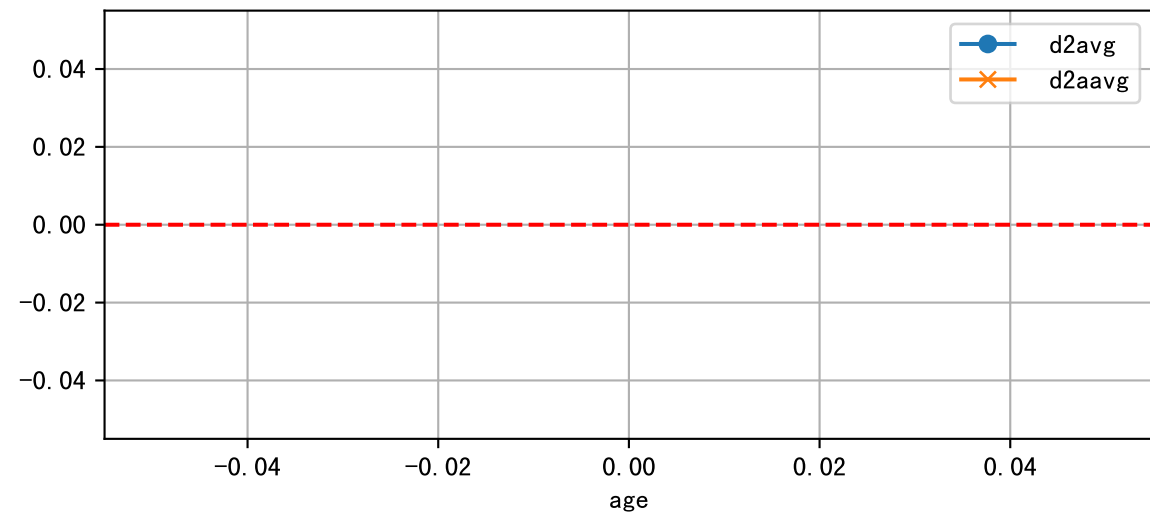


P9AW FrV: D_Fr1_FrV

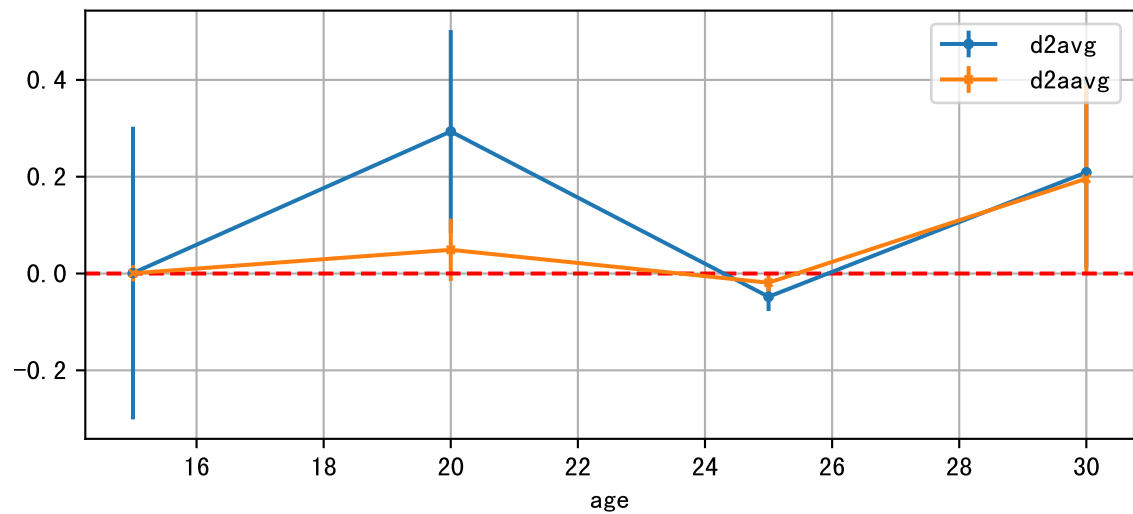


FrV: D_Ts_FrV

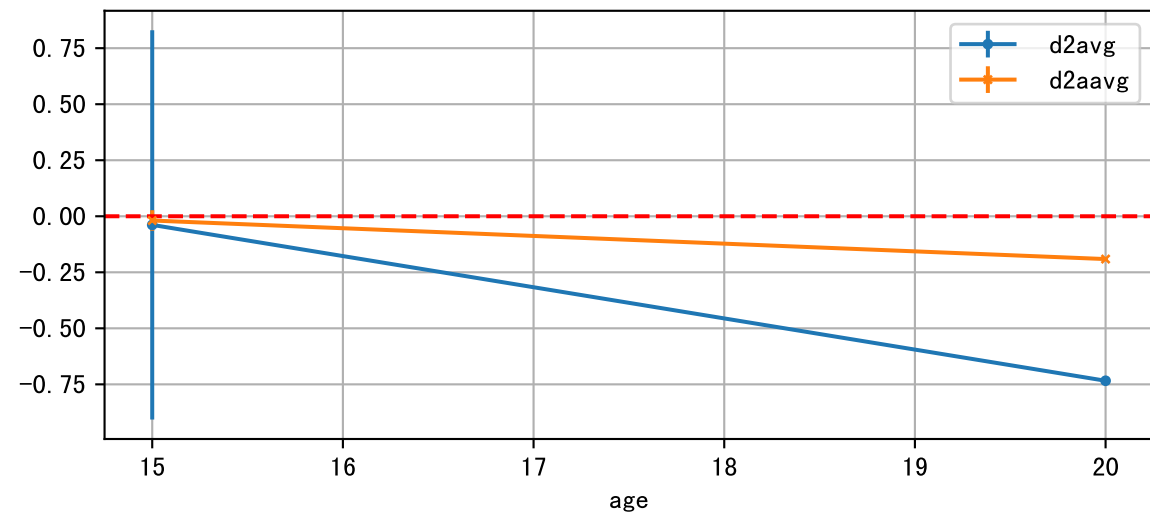
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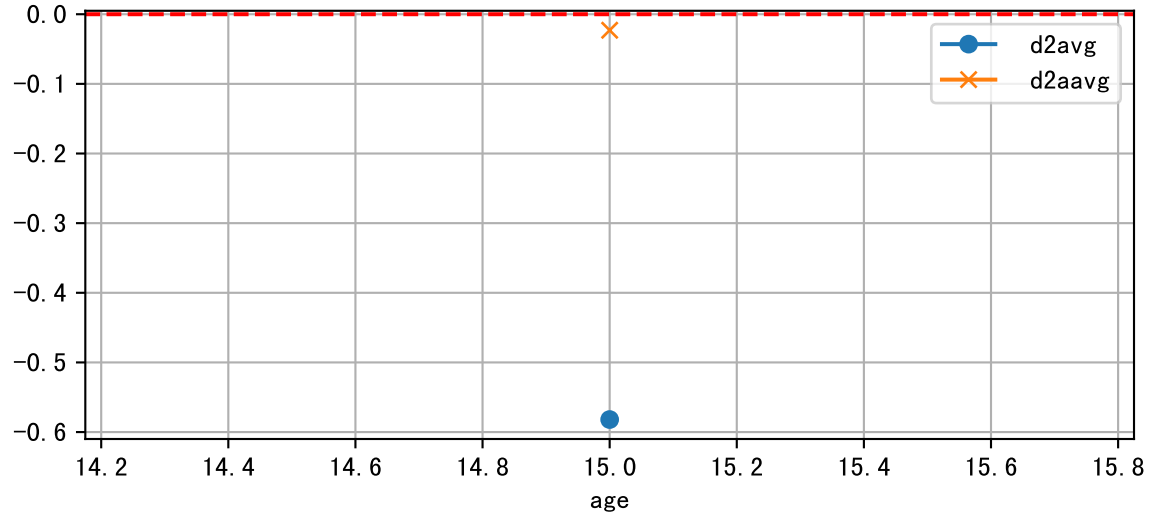
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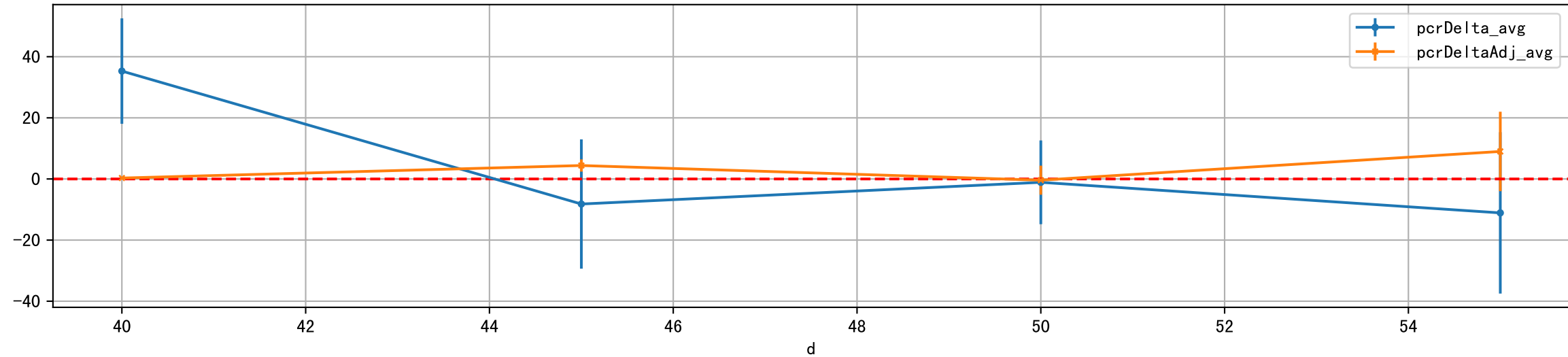
organID=3



organID=4

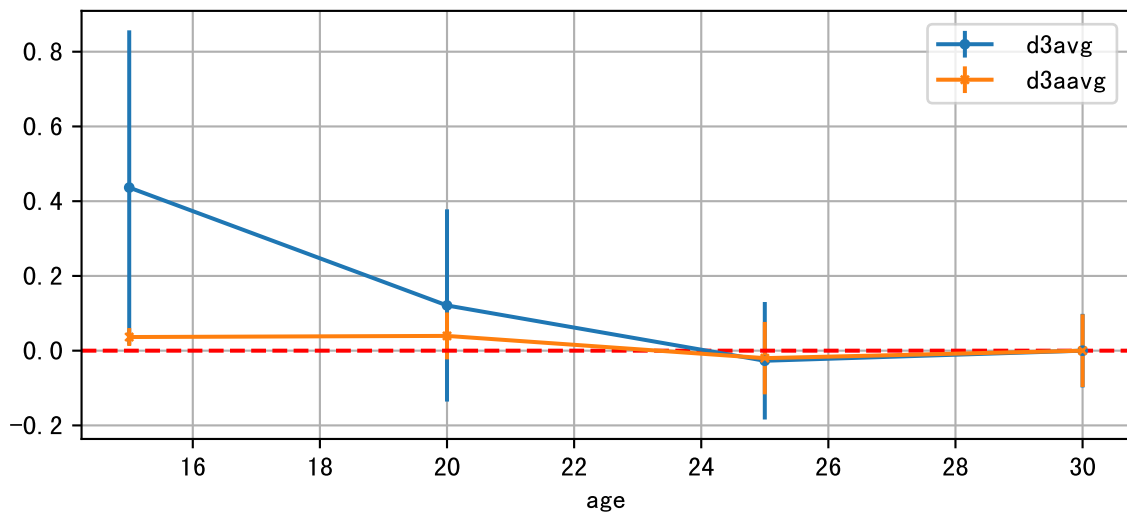


P9AW FrV: D_Ts_FrV

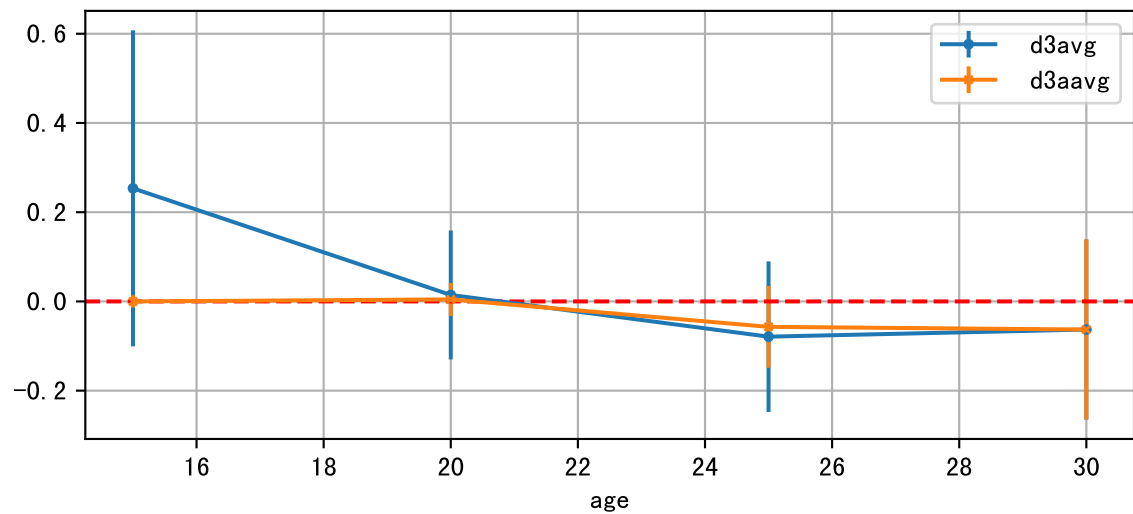


FrV: D_Q50_FrV

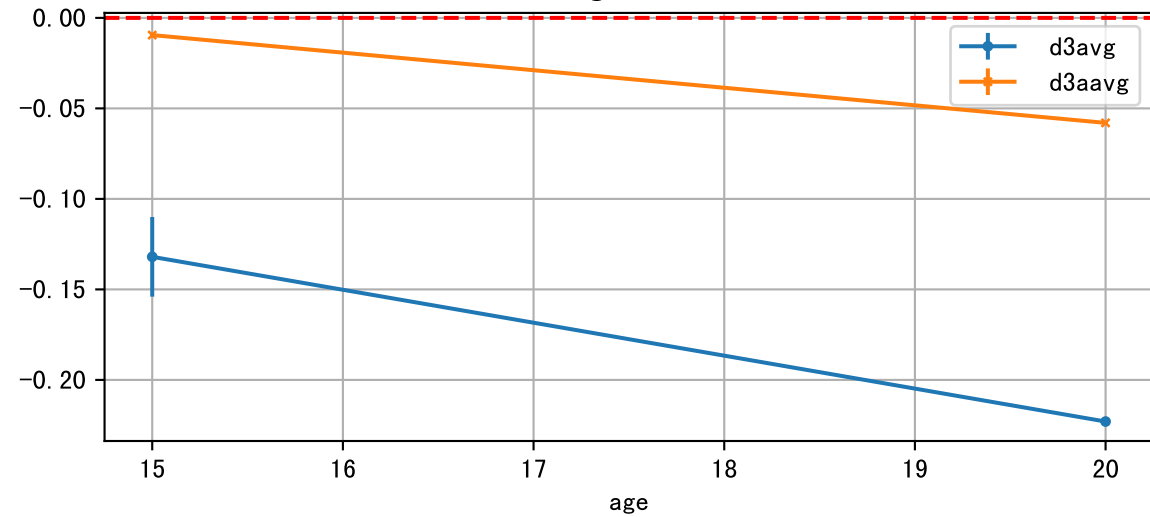
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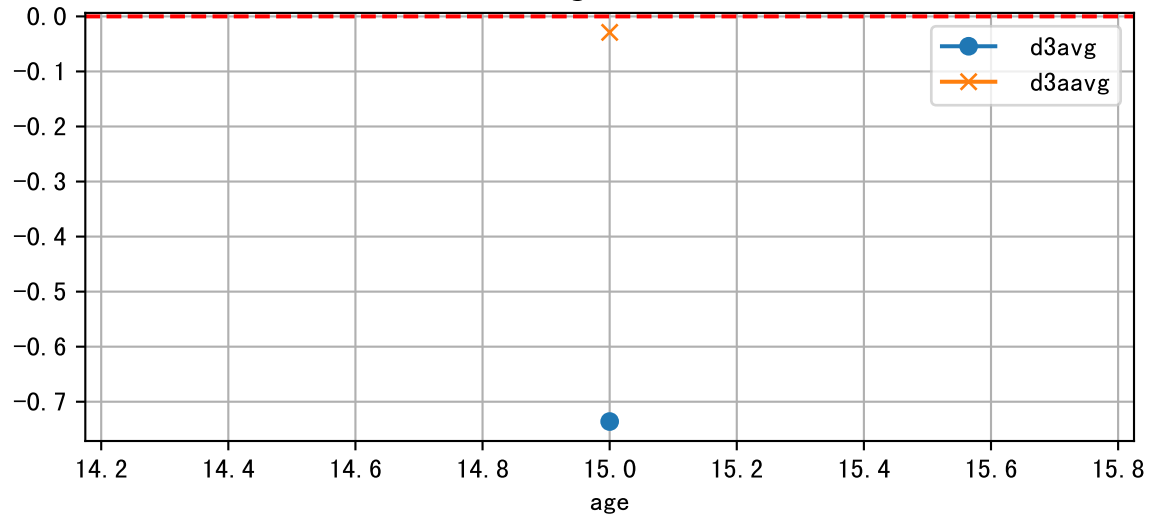
organID=2



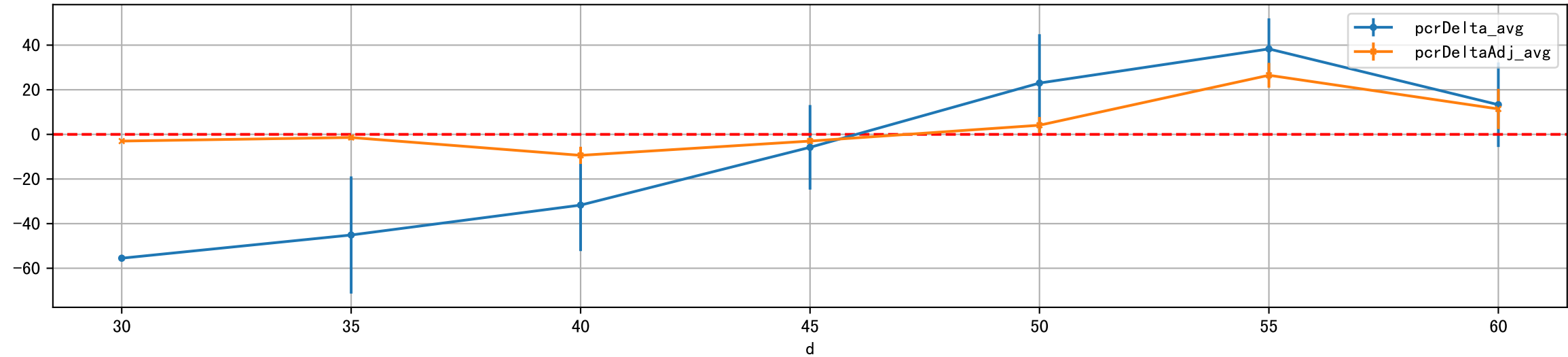
organID=3



organID=4

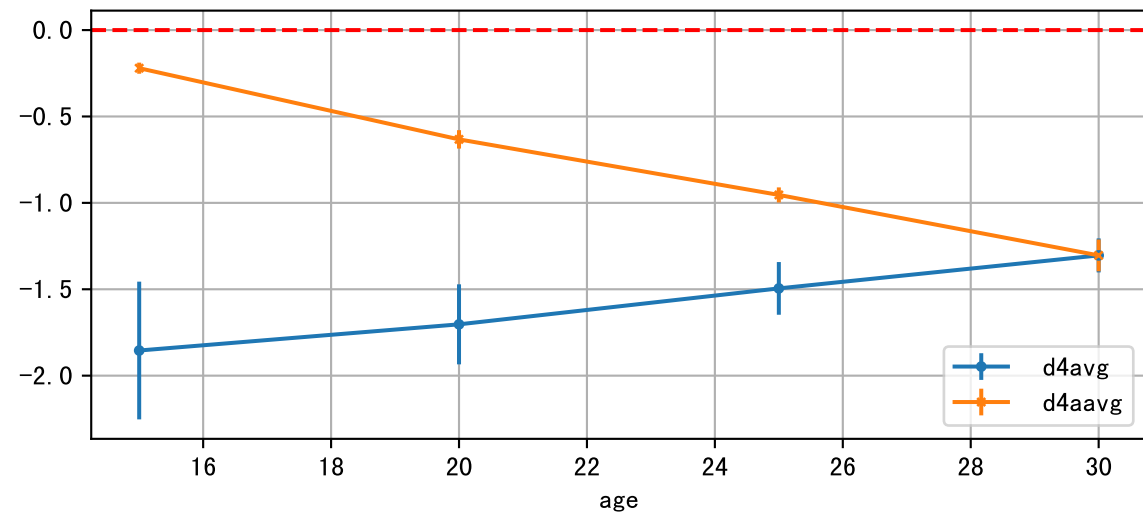


P9AW FrV: D_Q50_FrV

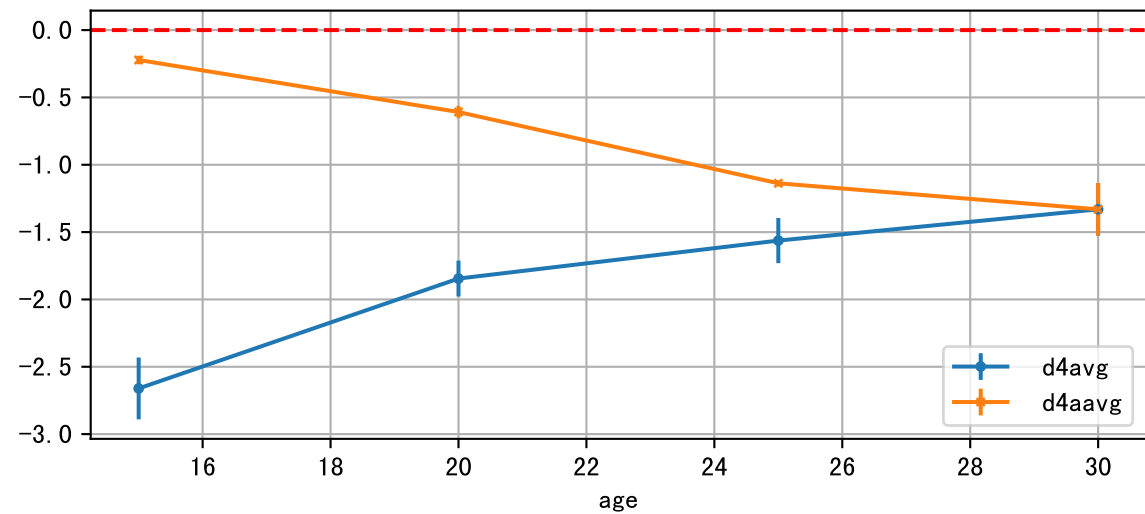


FrV: D_Est_FrV

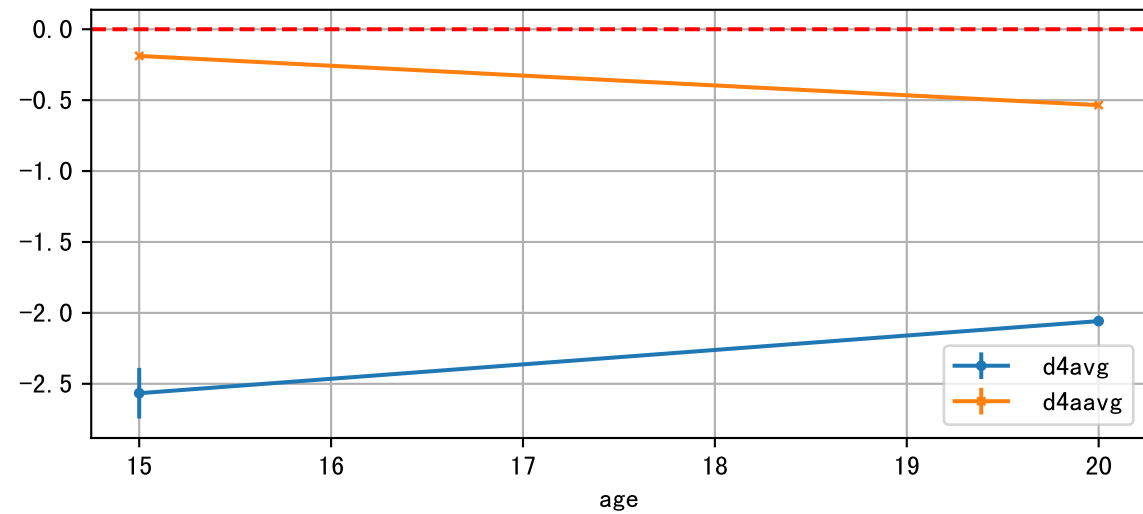
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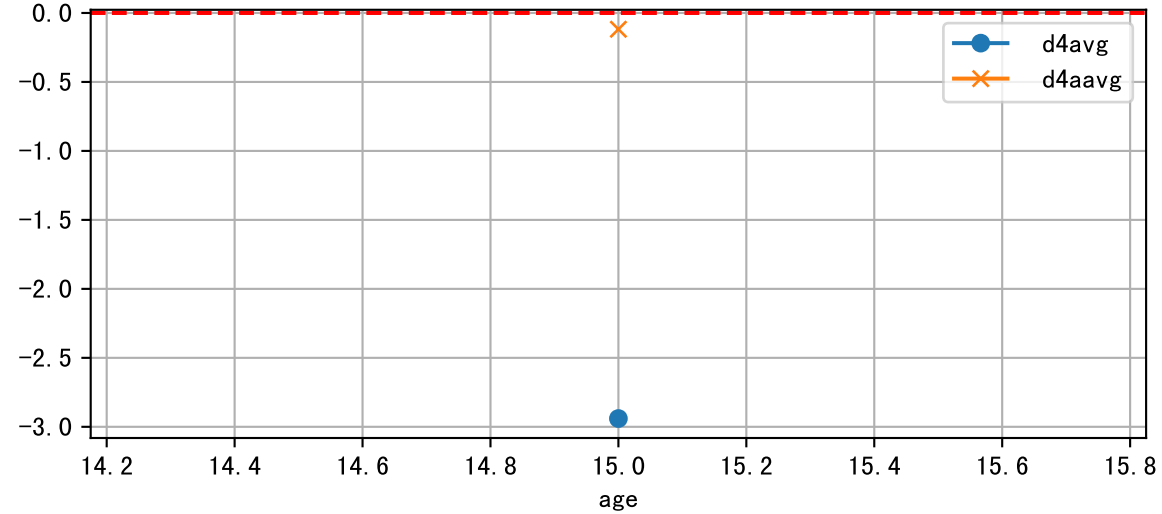
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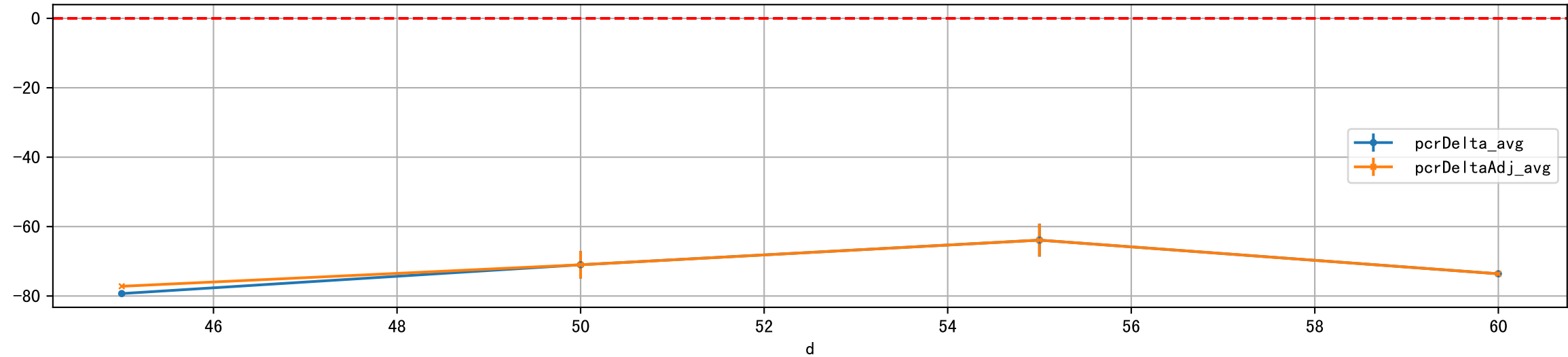
organID=3



organID=4



P9AW FrV: D_Est_FrV



P9AW FrV: sfDem

