

Phenotype Data Analysis Plots

PhenoData day range = 10 – 46

Analysis cutoff day = 46

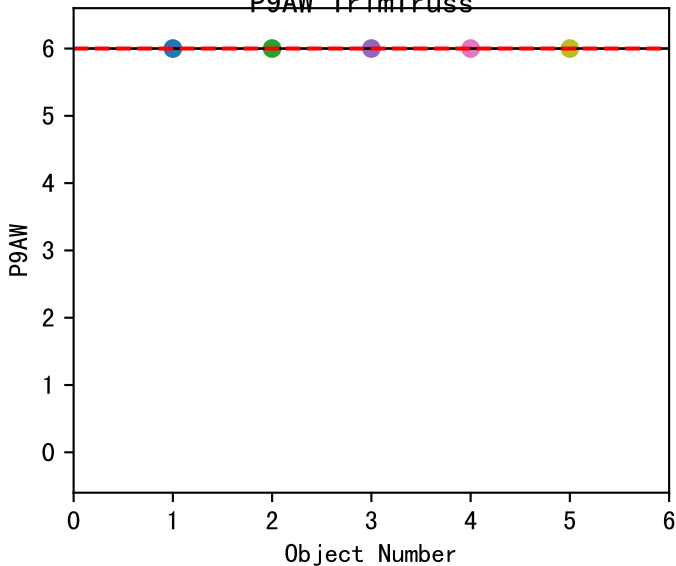
NC11 P9

2025-05-18 (Day 48)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

P9AW TrimTruss



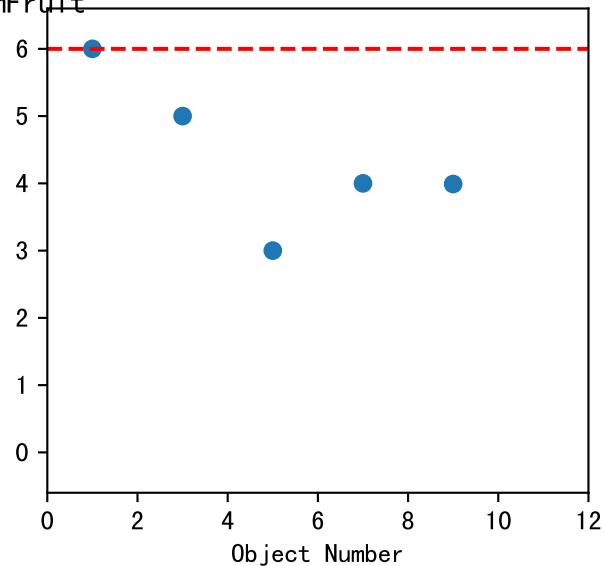
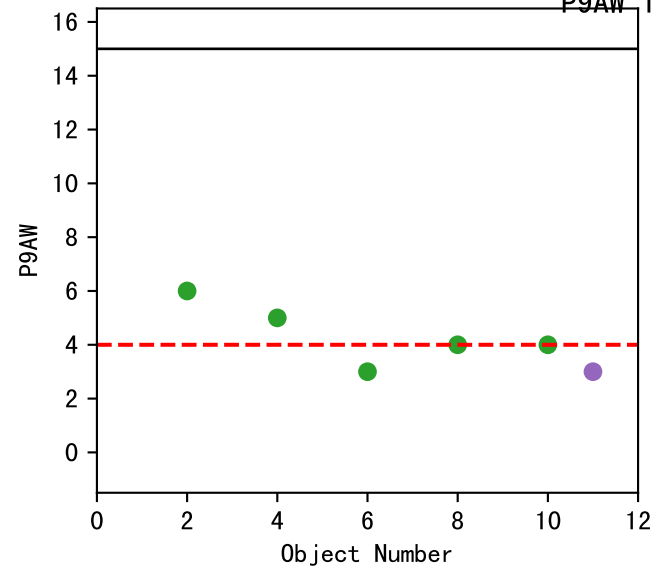
FruitNumAvgPerTruss (Def=15 Set=4)

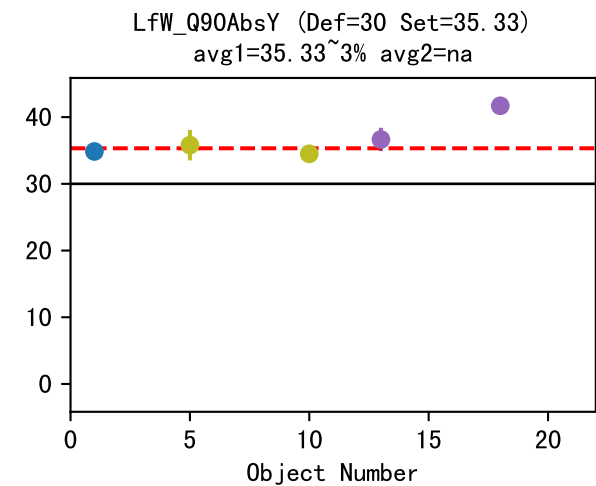
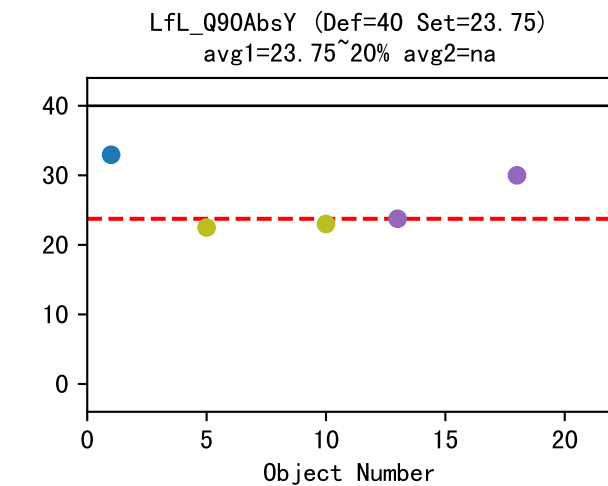
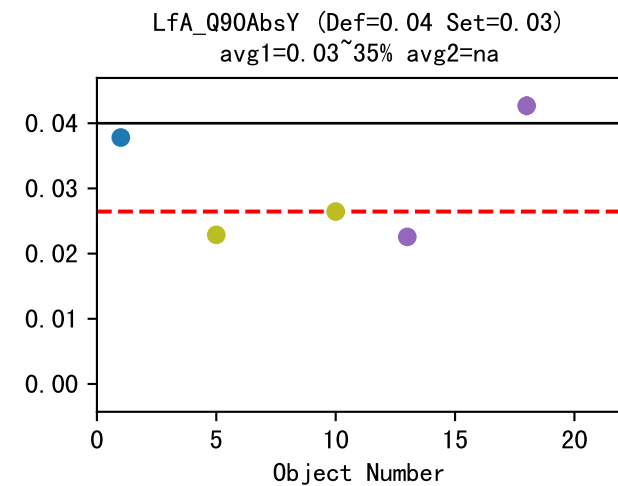
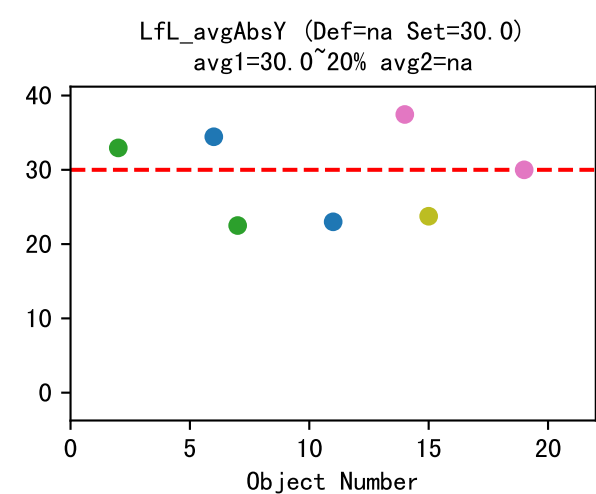
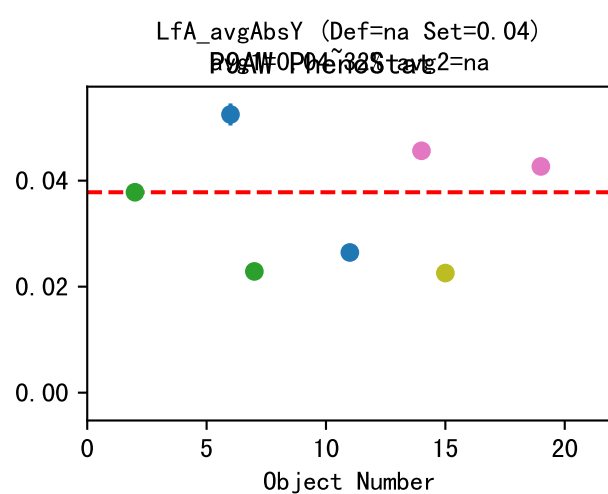
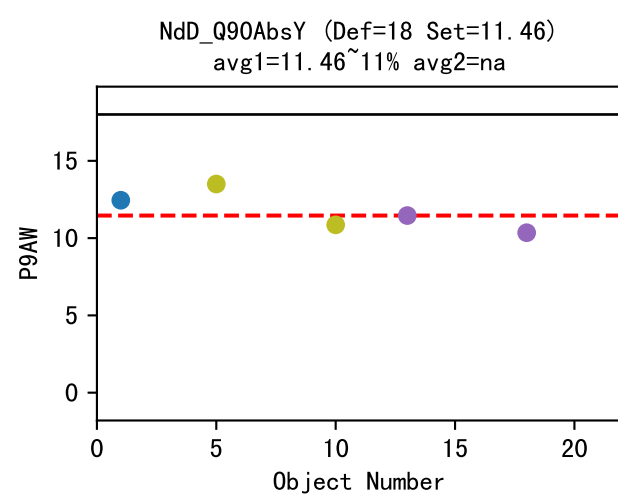
avg1=4.0~29% avg2=na

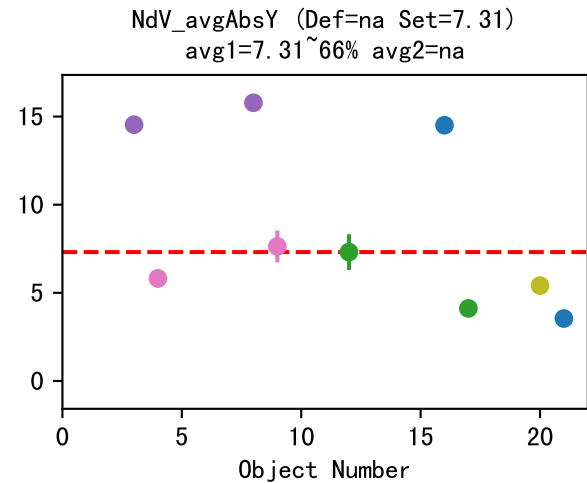
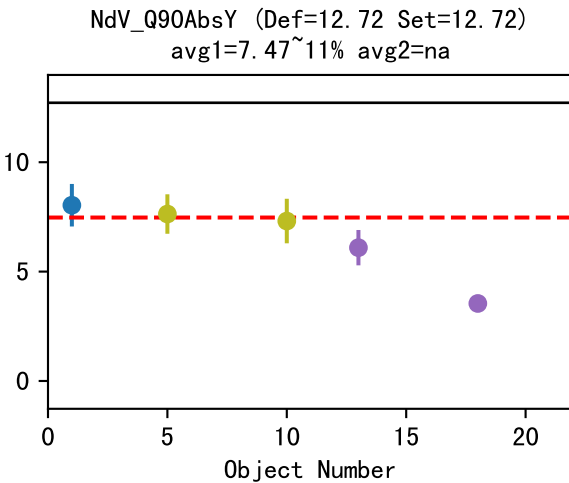
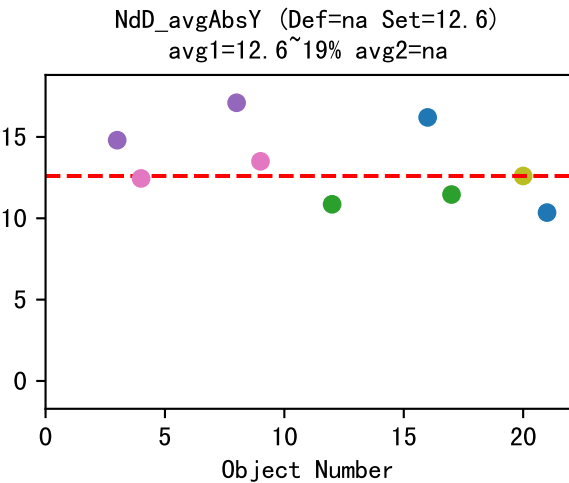
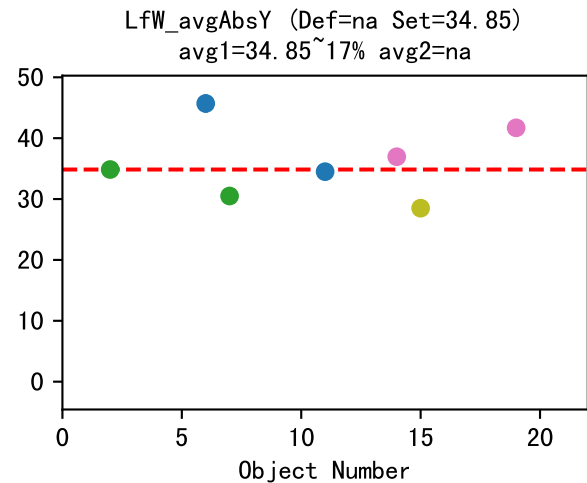
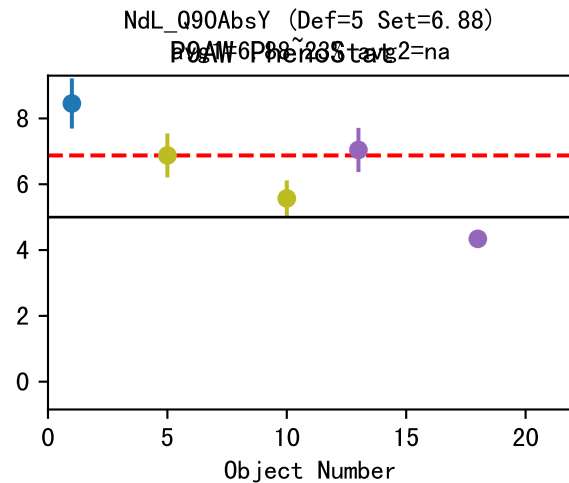
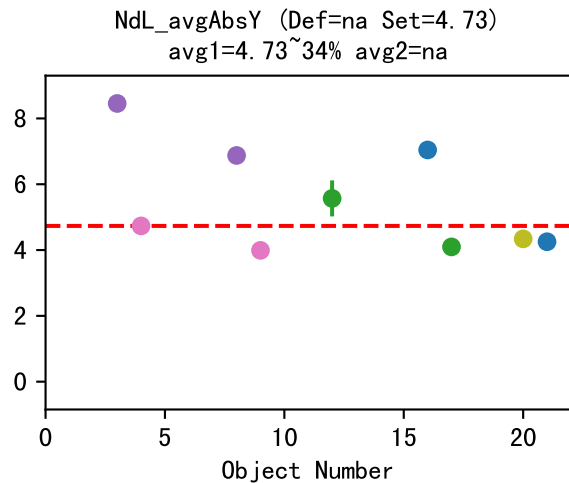
P9AW TrimFruit

FruitNumMaxPerTruss (Def=na Set=6)

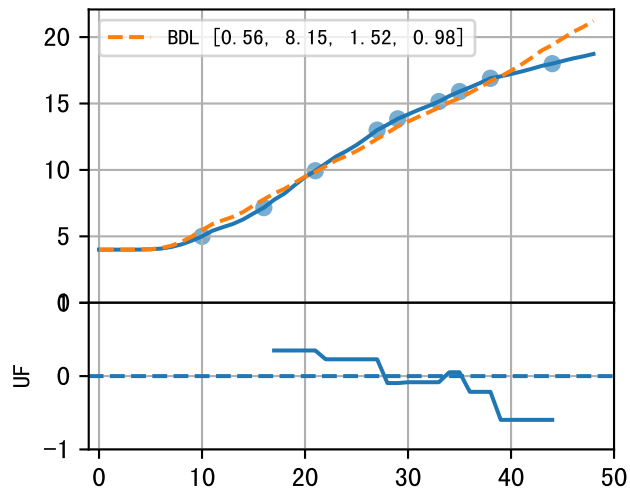
avg1=6.0~20% avg2=na



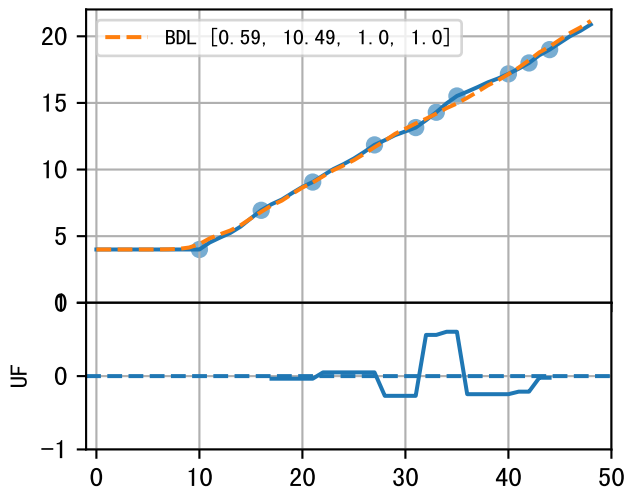




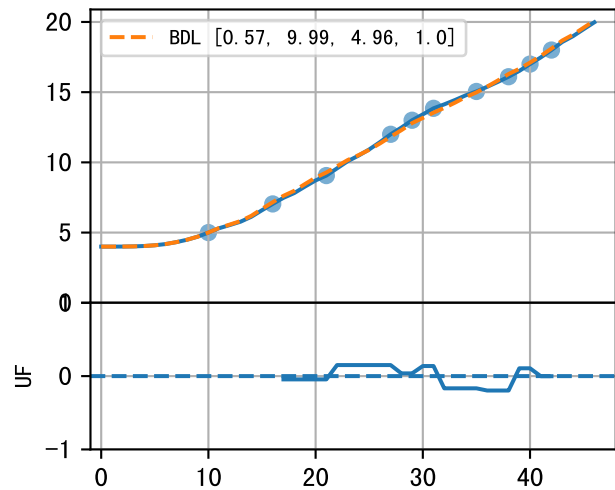
P9AW-005-13 (fit failed)



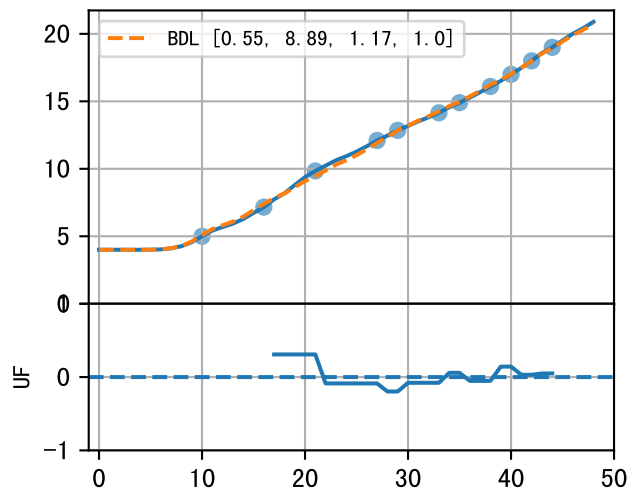
P9AW-017-26 (fit failed)



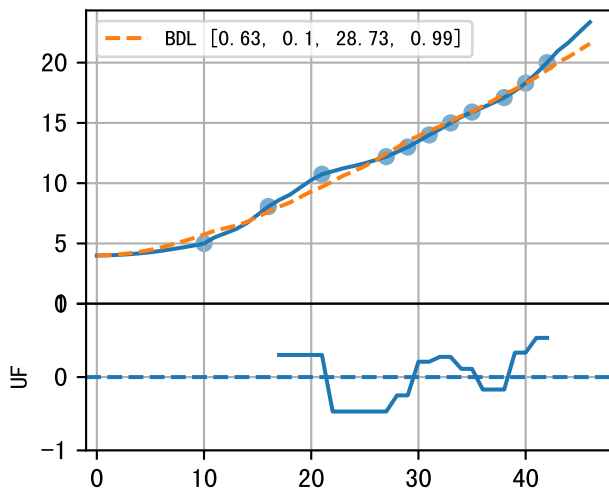
P9AW-029-11 (fit failed)



P9AW-040-22 (fit failed)



P9AW-052-18 (fit failed)

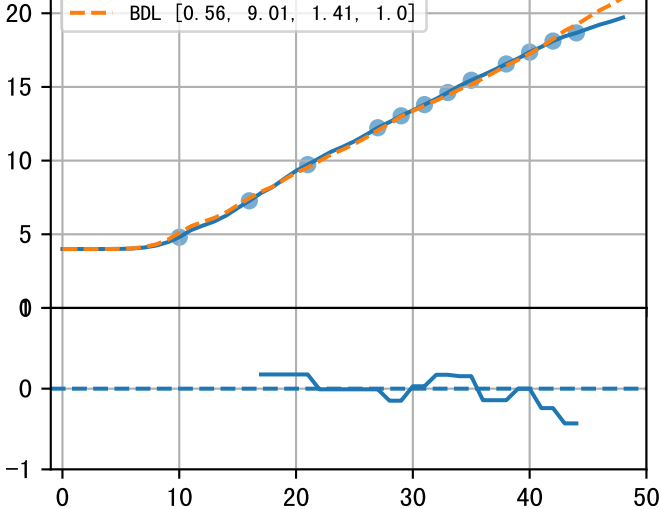


P9AWavg (fit failed)

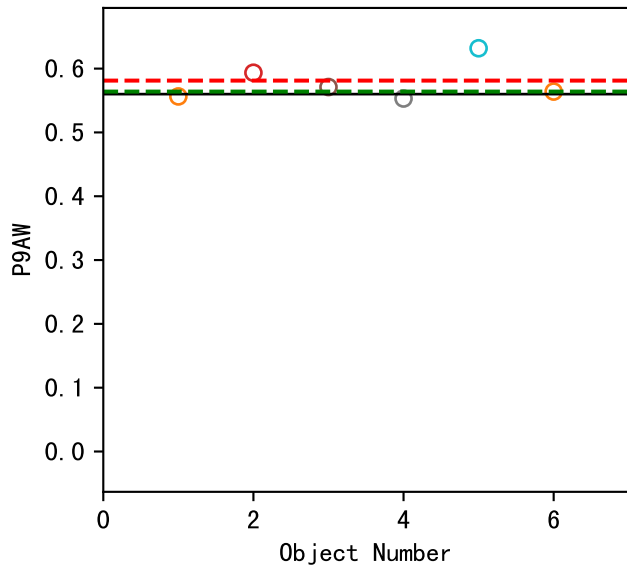
NaN

BDL [0.56, 9.01, 1.41, 1.0]

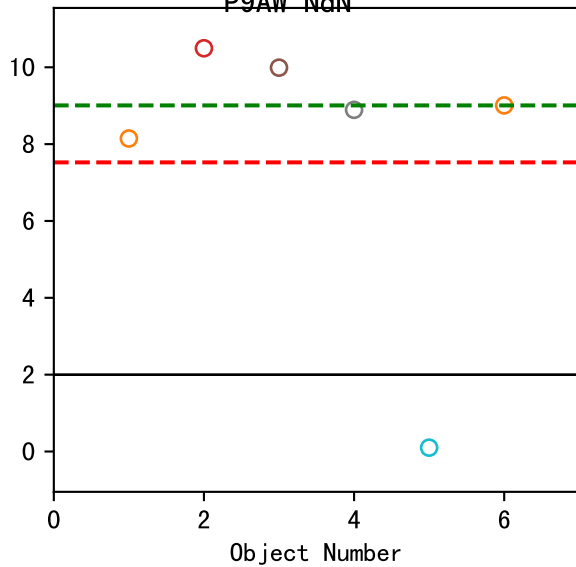
UF



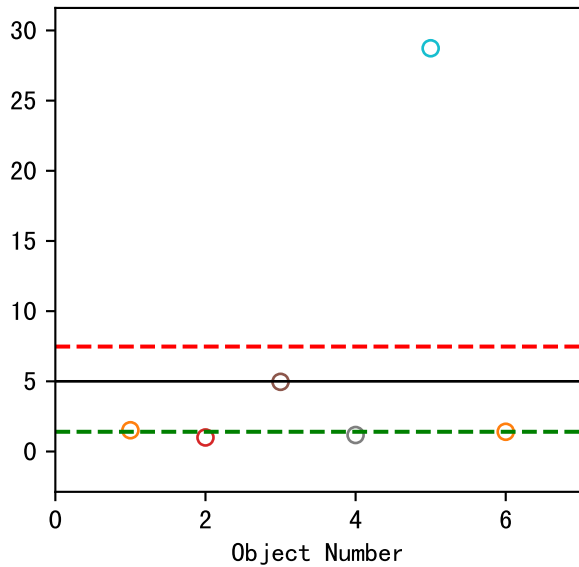
a (Def=0.56 Set=0.56)
avg1=0.58(fail) avg2=0.56



dm (Def=2 Set=9.01)
avg1=7.52(fail) avg2=9.01



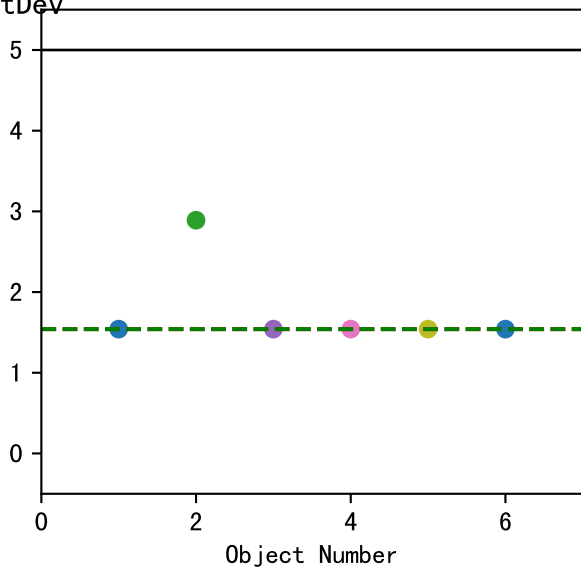
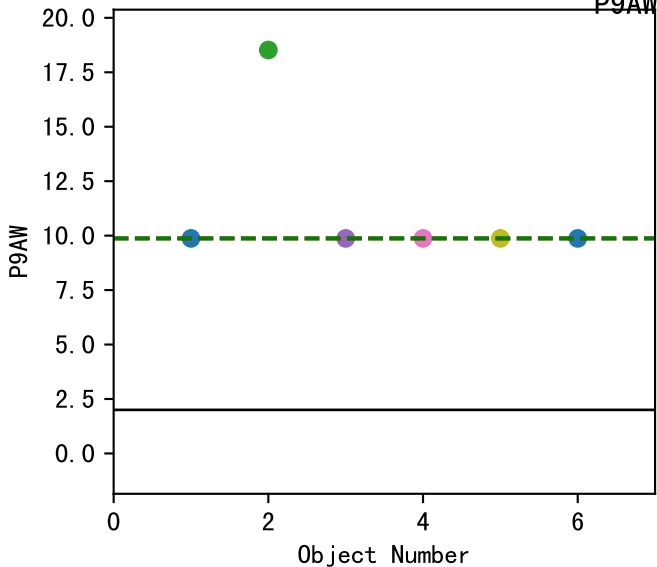
de (Def=5 Set=1.41)
avg1=7.48(fail) avg2=1.41



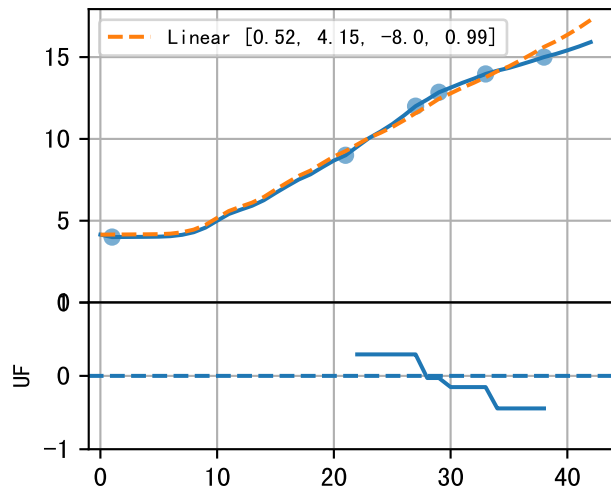
InitDev_dm (Def=2 Set=9.87)
avg1=9.87~0% avg2=9.87

InitDev_de (Def=5 Set=1.54)
avg1=1.54~0% avg2=1.54

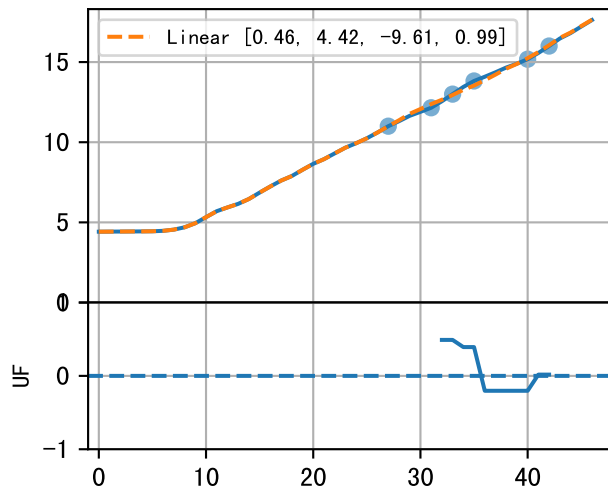
P9AW InitDev



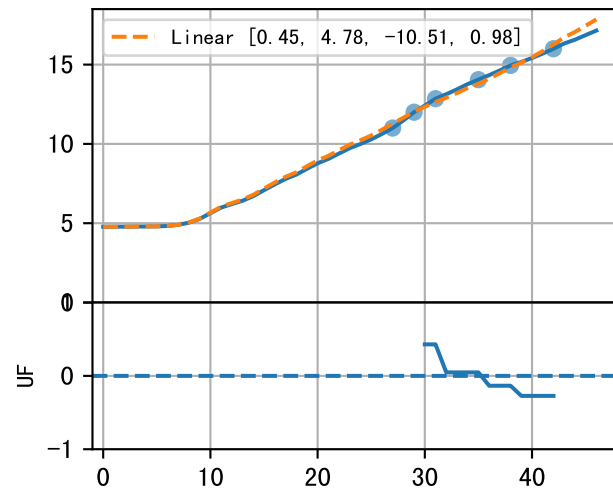
P9AW-005-13



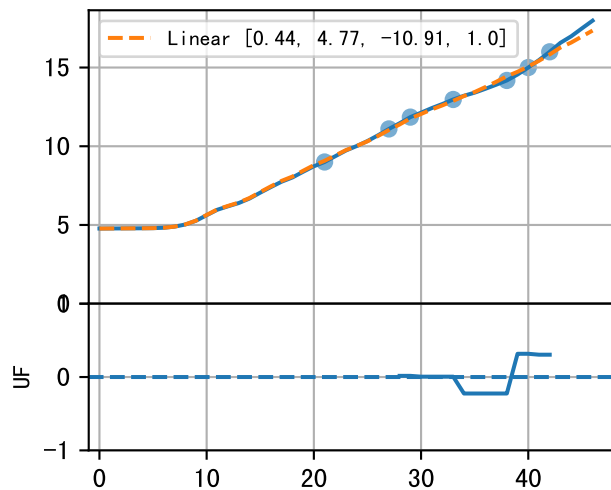
P9AW-017-26



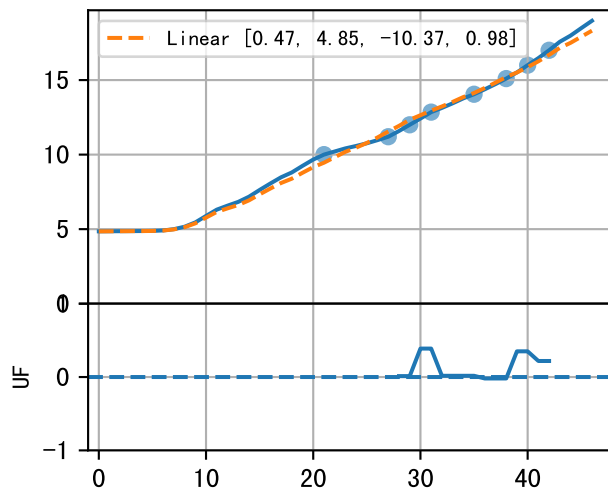
P9AW-029-11



P9AW-040-22



P9AW-052-18



P9AWavg
Lfn

Linear [0.45, 4.81, -10.59, 1.0]

UF

15

10

5

0

-1

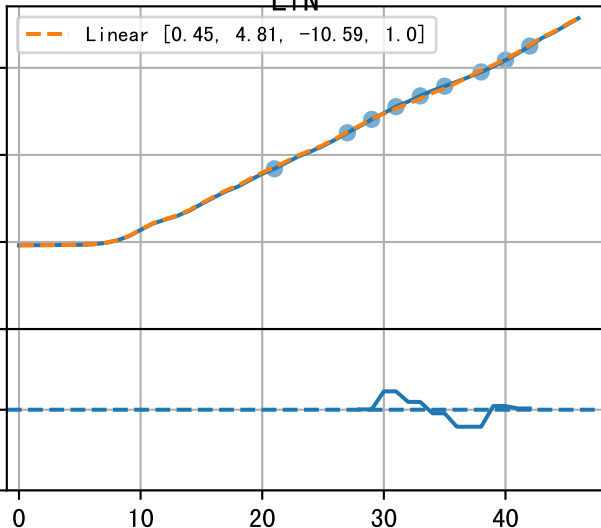
0

10

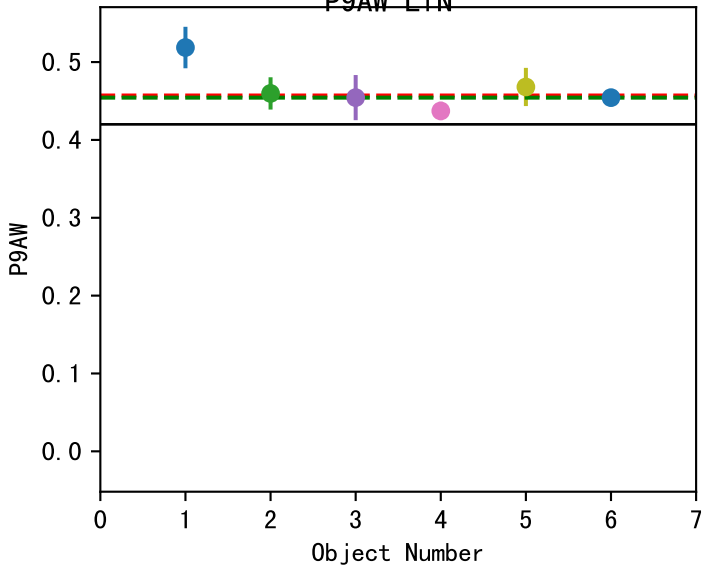
20

30

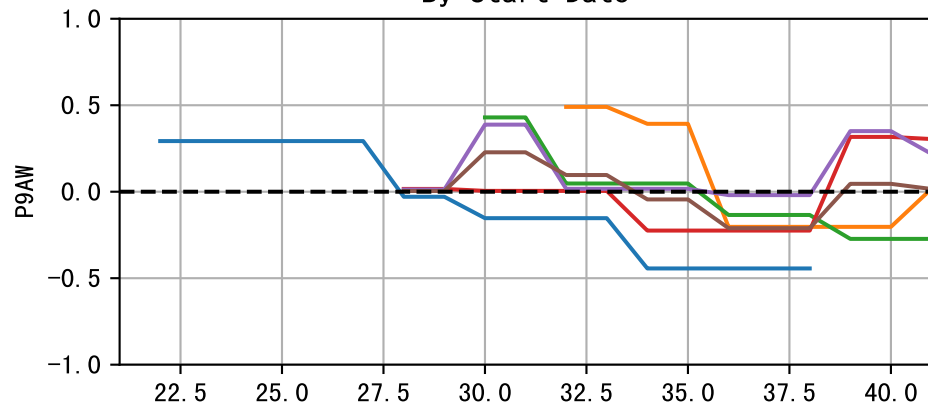
40



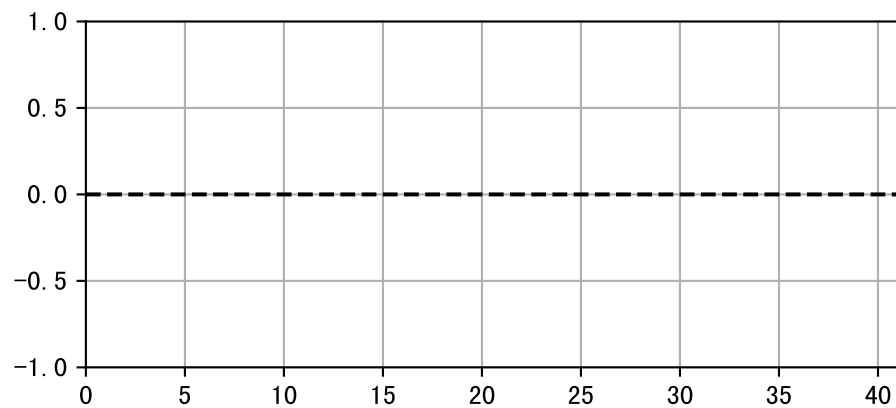
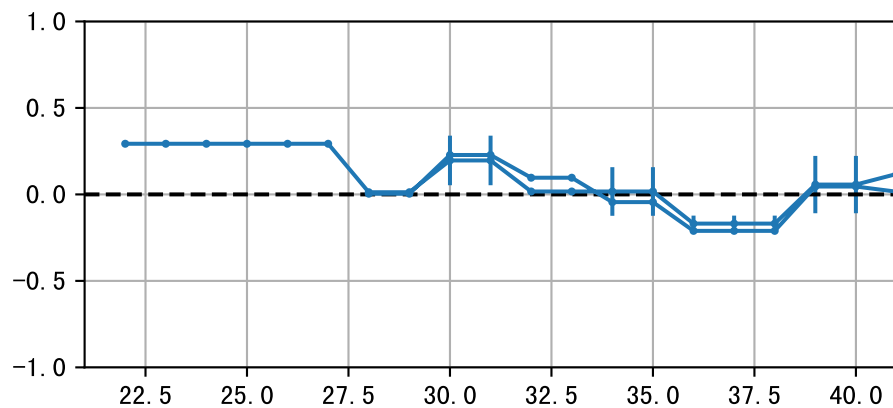
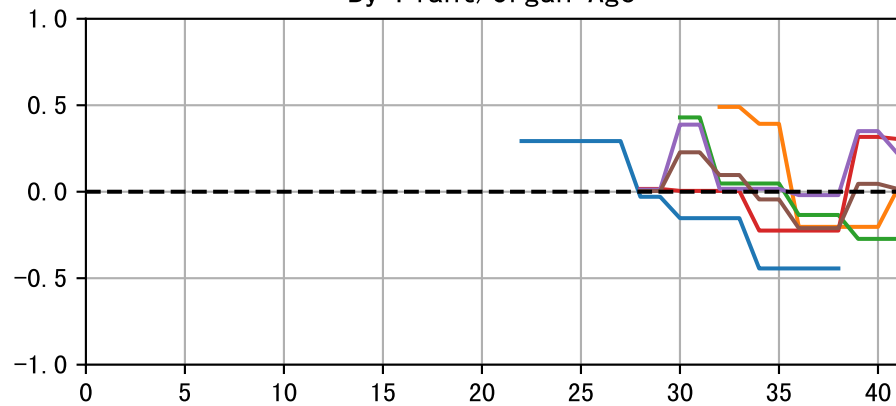
a (Def=0.42 Set=0.45)
avg1=0.46 $\sim$ 3% avg2=0.45 $\sim$ 4%
P9AW LfN



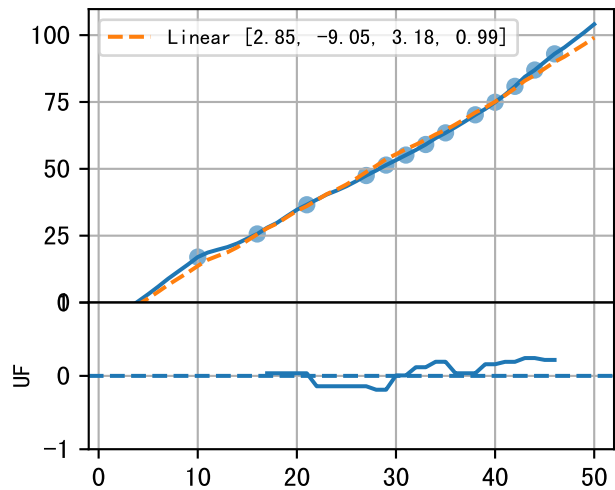
By Start Date



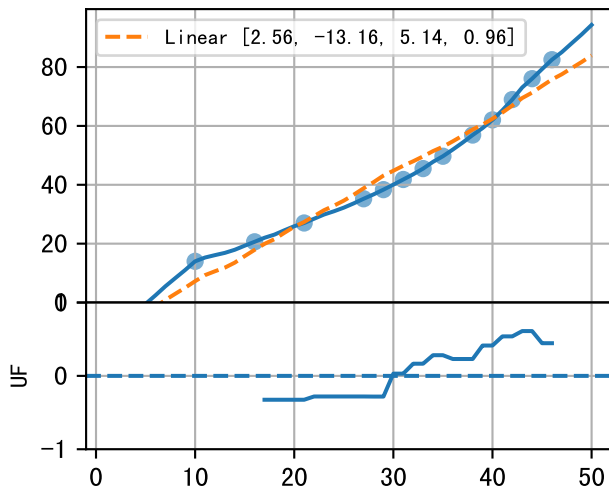
By Plant/Organ Age



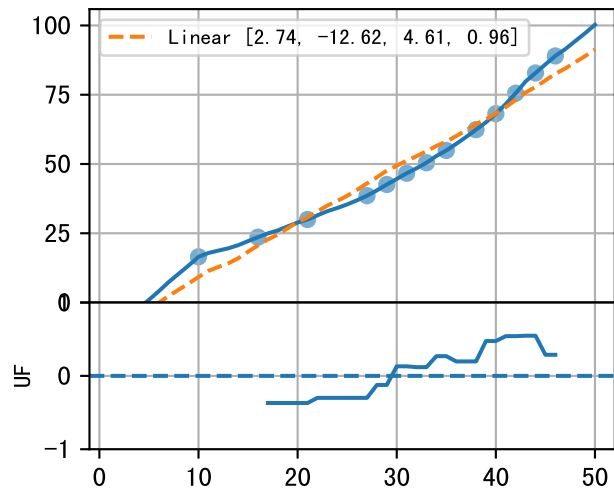
P9AW-005-13



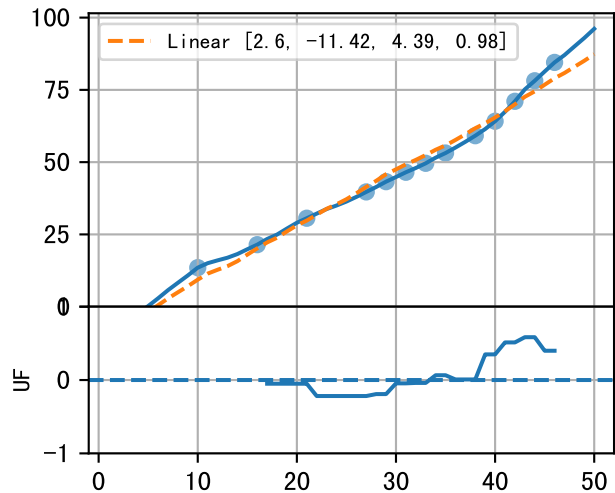
P9AW-017-26



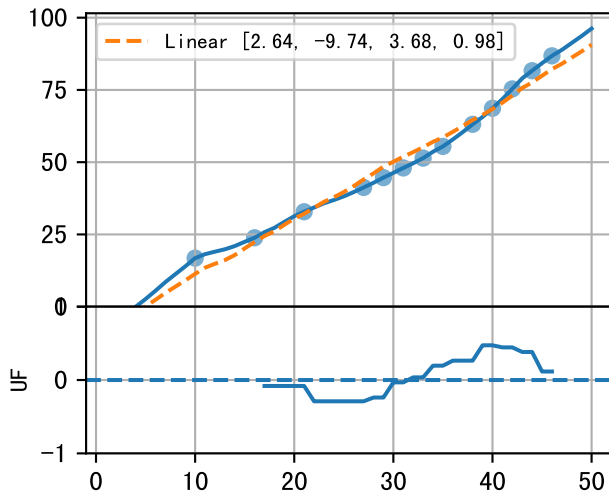
P9AW-029-11



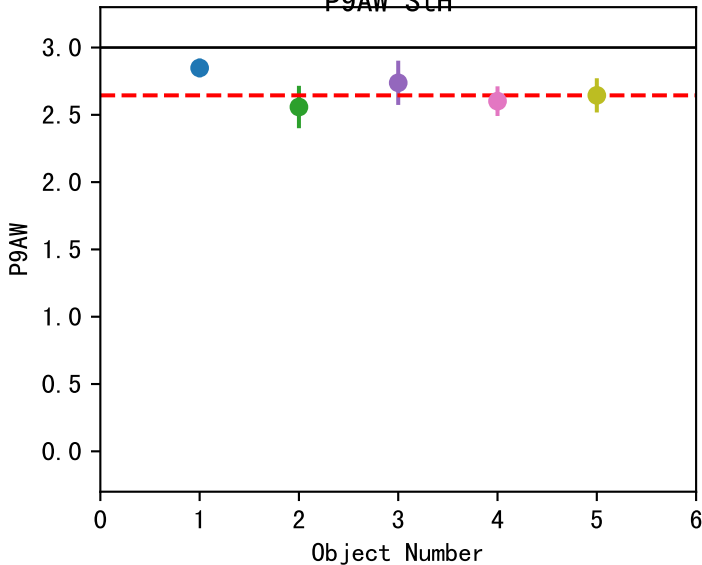
P9AW-040-22



P9AW-052-18

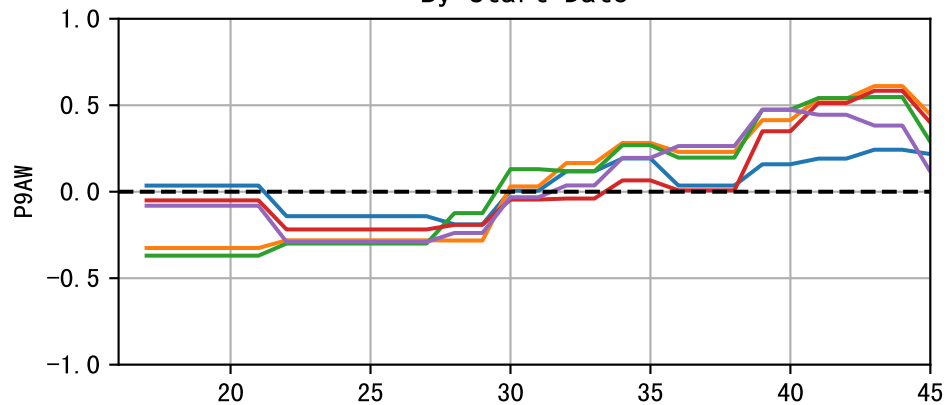


a (Def=3 Set=2.64)
avg1=2.64~4% avg2=na
P9AW StH

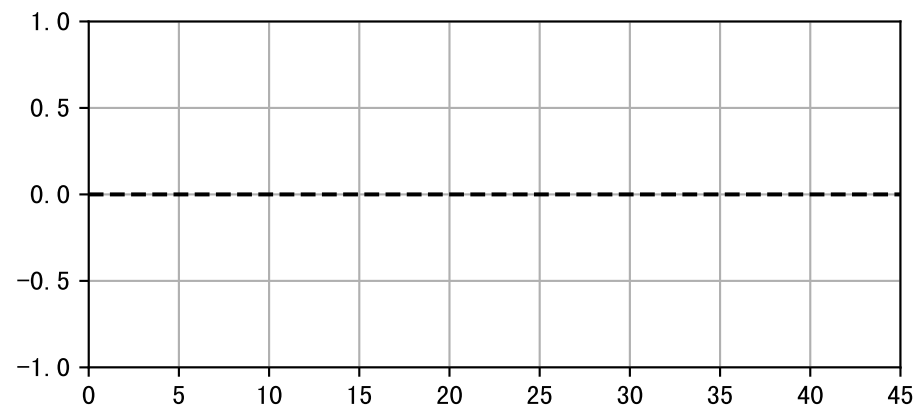
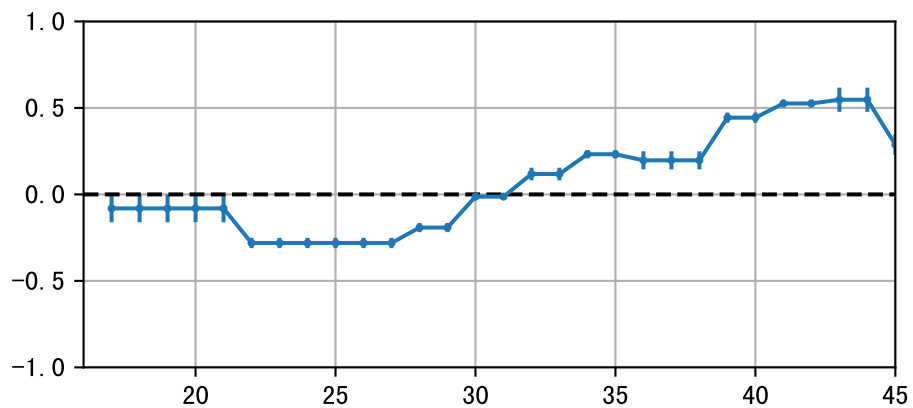
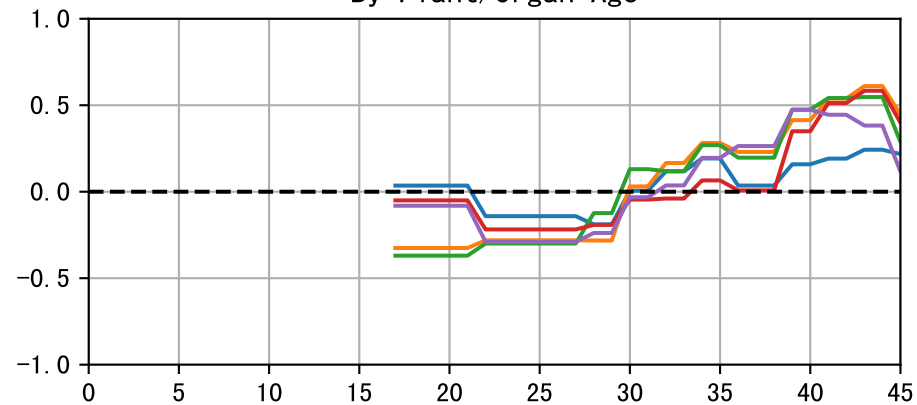


StH

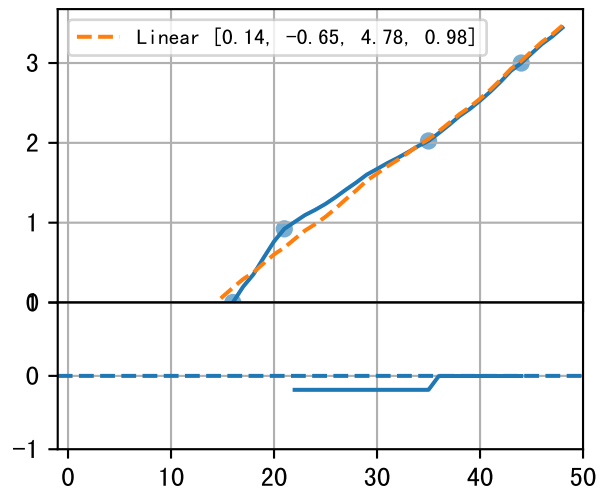
By Start Date



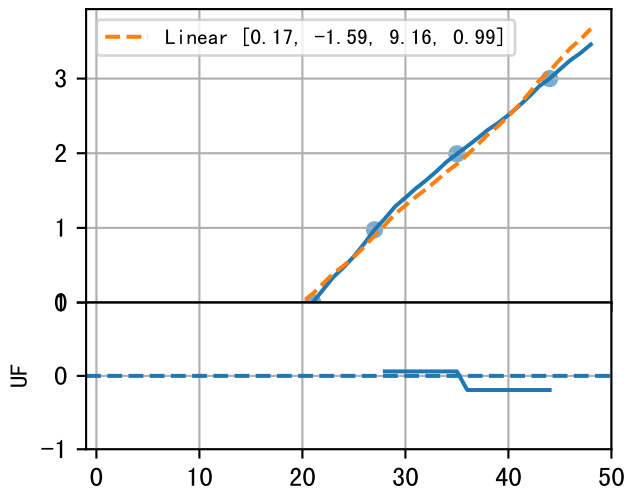
By Plant/Organ Age



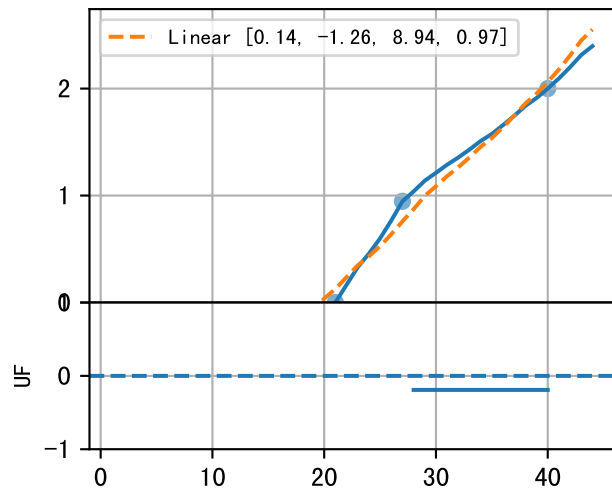
P9AW-005-13



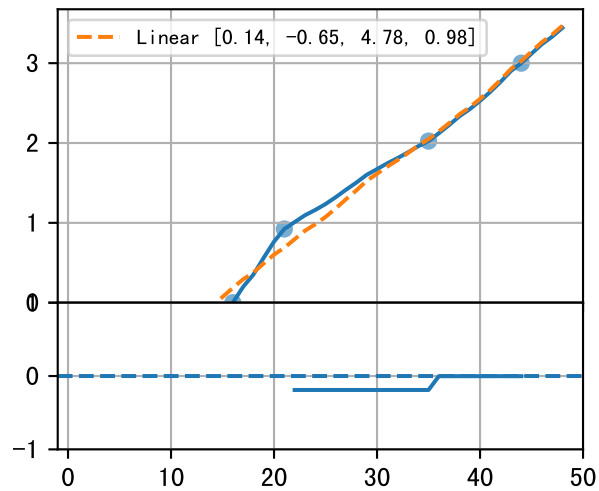
P9AW-017-26



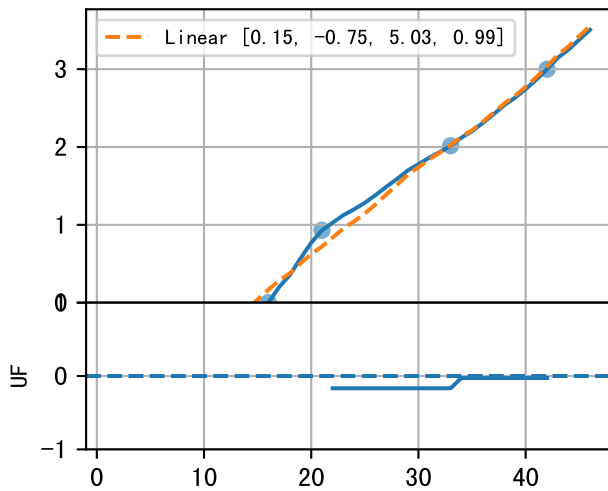
P9AW-029-11



P9AW-040-22



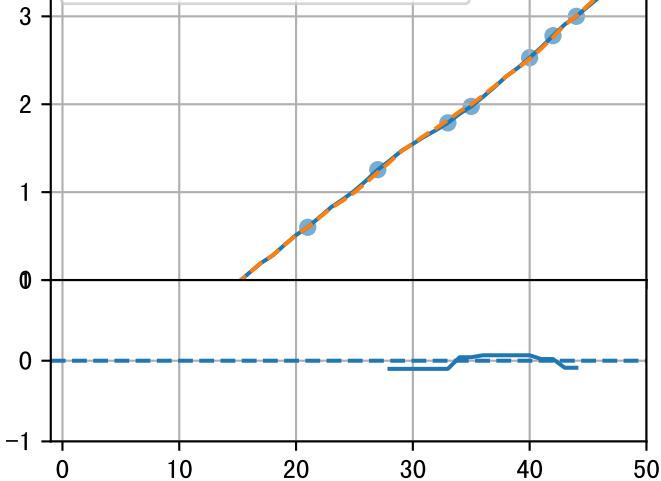
P9AW-052-18



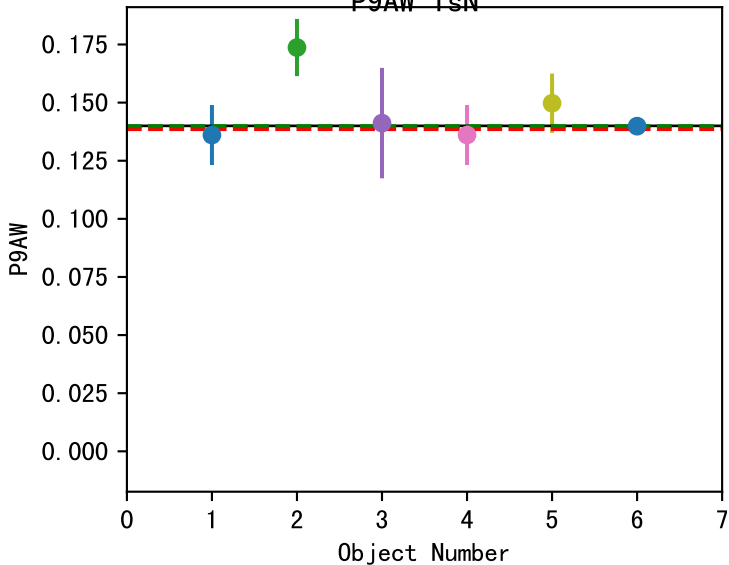
P9AWavg
TSN

Linear [0.14, -0.78, 5.54, 1.0]

UF

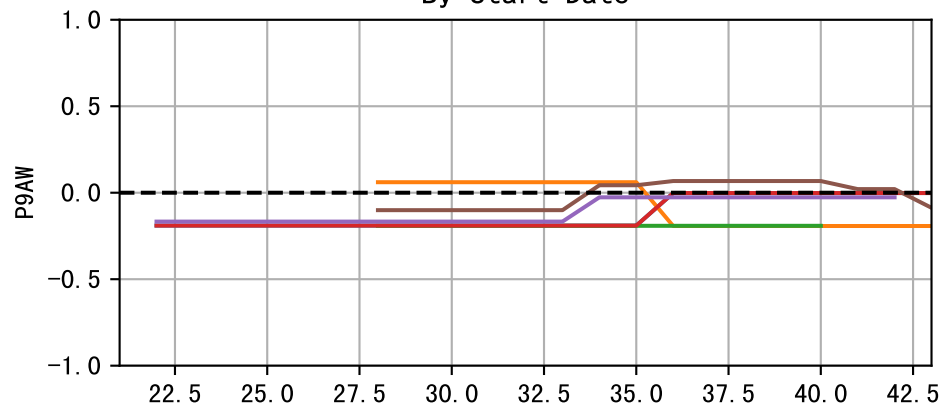


a (Def=0.14 Set=0.14)
avg1=0.14 $\sim$ 5% avg2=0.14 $\sim$ 2%
P9AW TSN

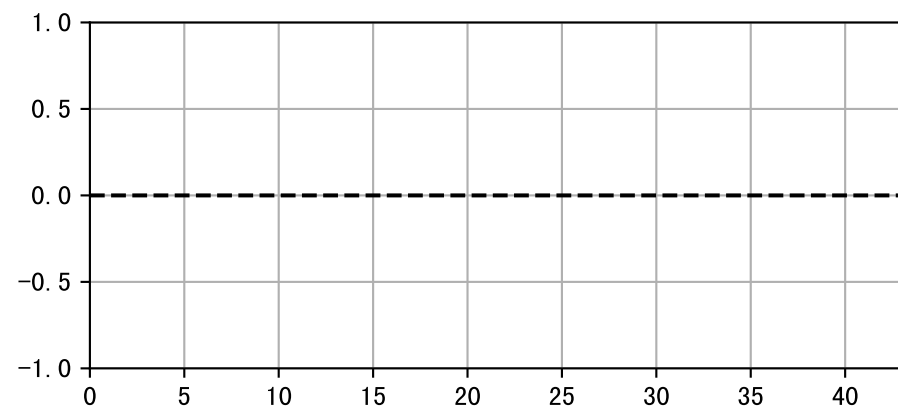
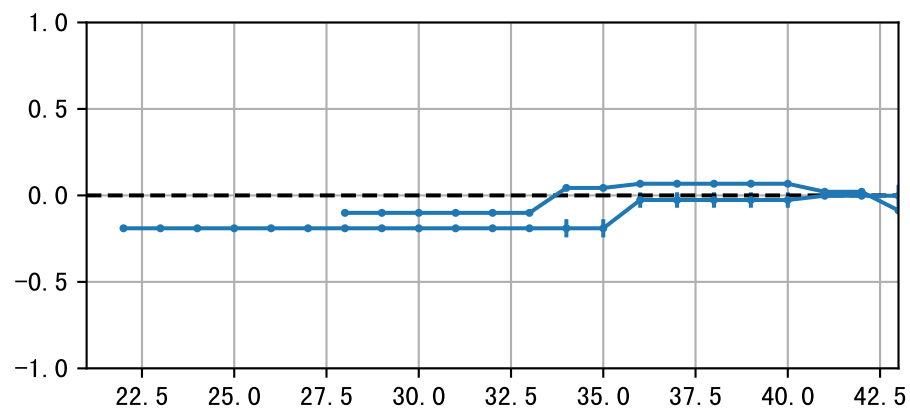
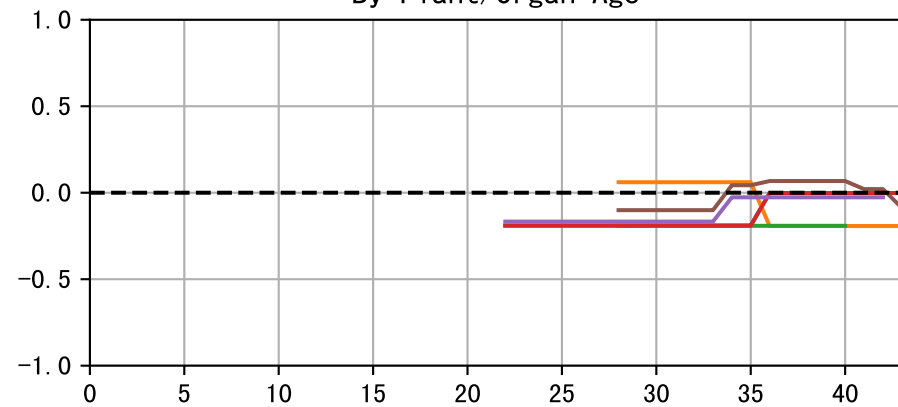


TsN

By Start Date

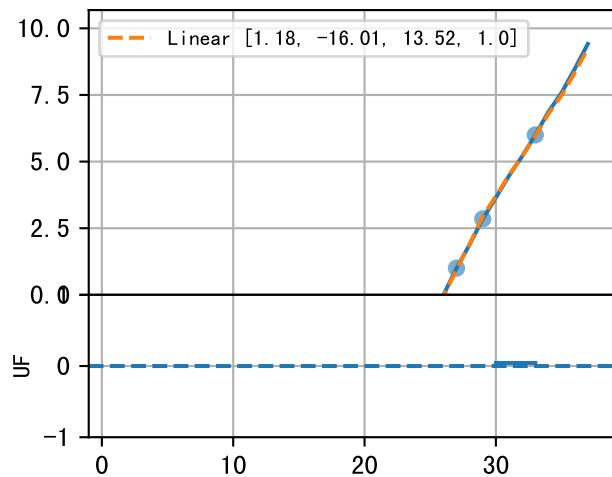


By Plant/Organ Age

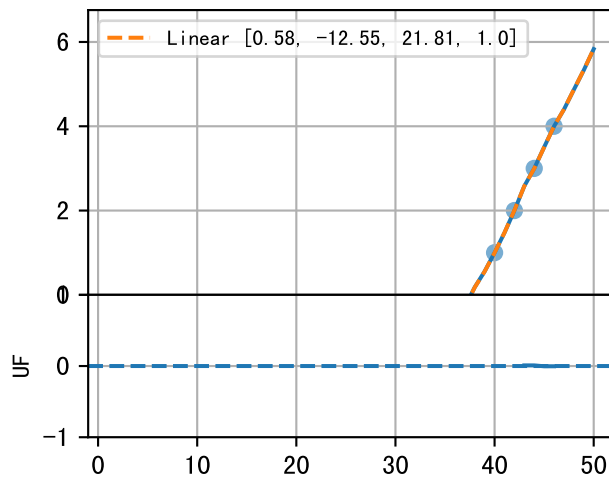


ErN

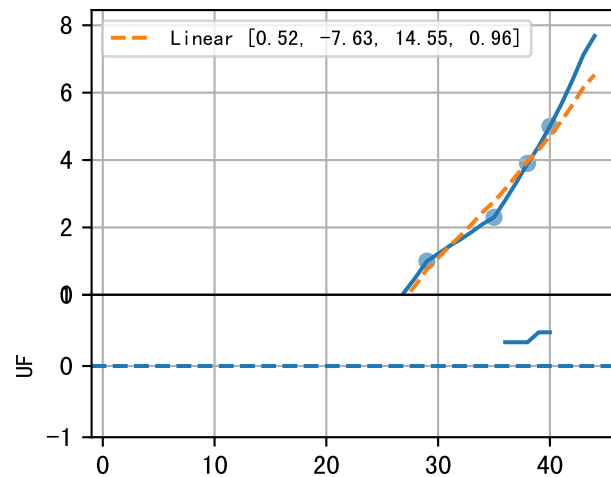
P9AW-005-13T1



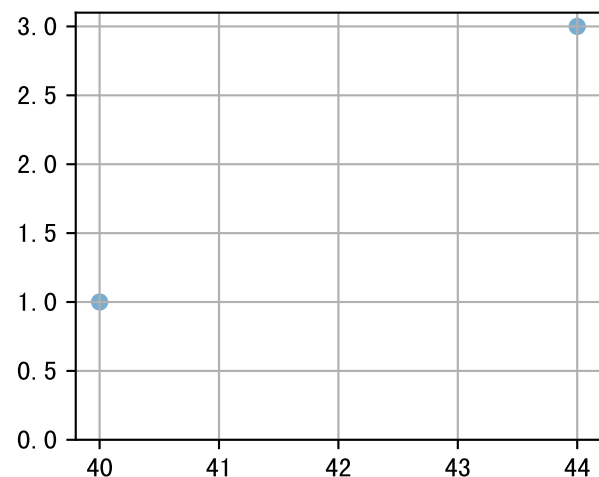
P9AW-005-13T2



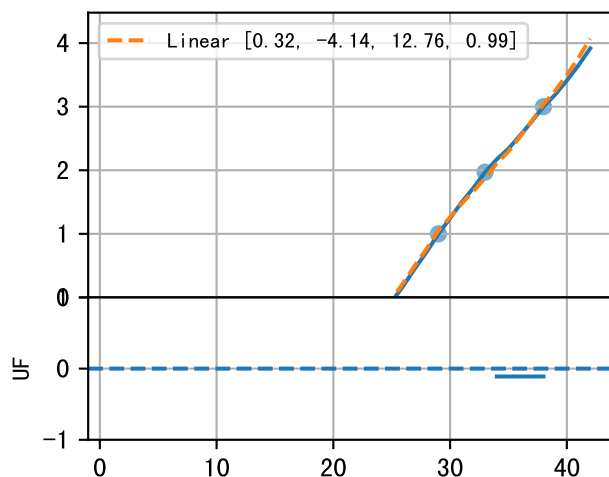
P9AW-017-26T1



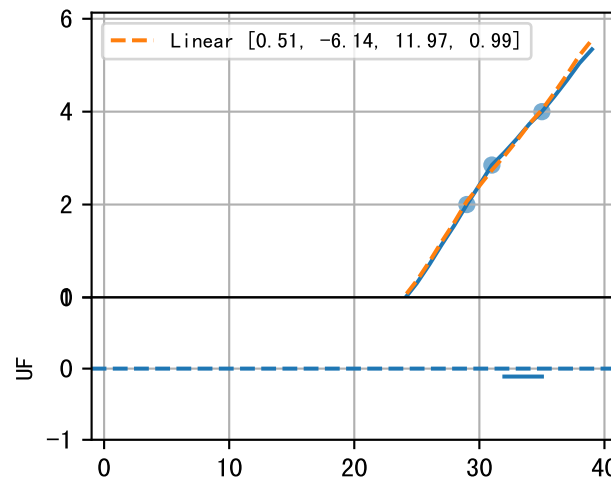
P9AW-017-26T2 (fit failed)



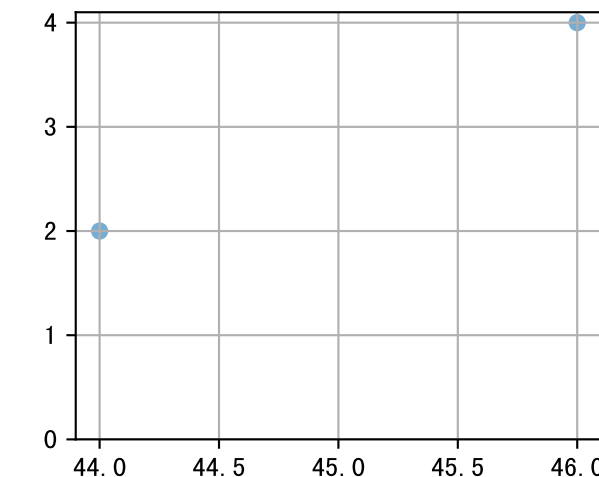
P9AW-029-11T1



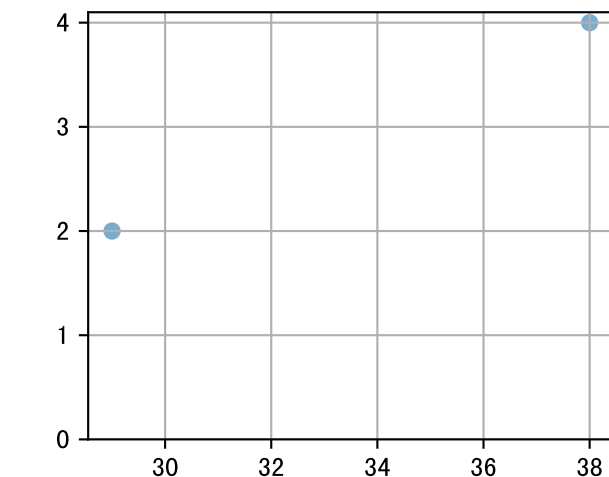
P9AW-040-22T1



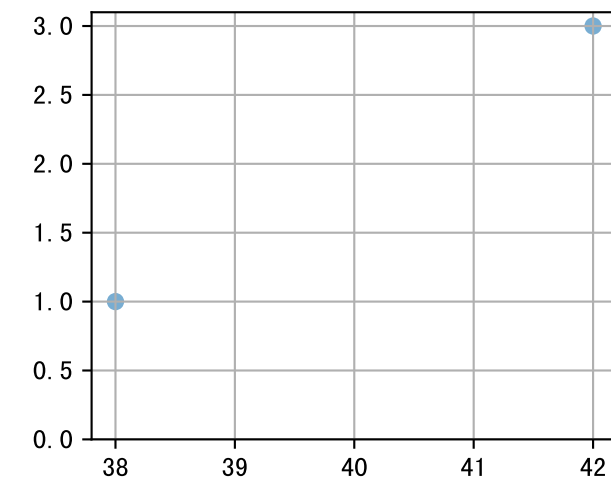
P9AW-040-22T2 (fit failed)



P9AW-052-18T1 (fit failed)



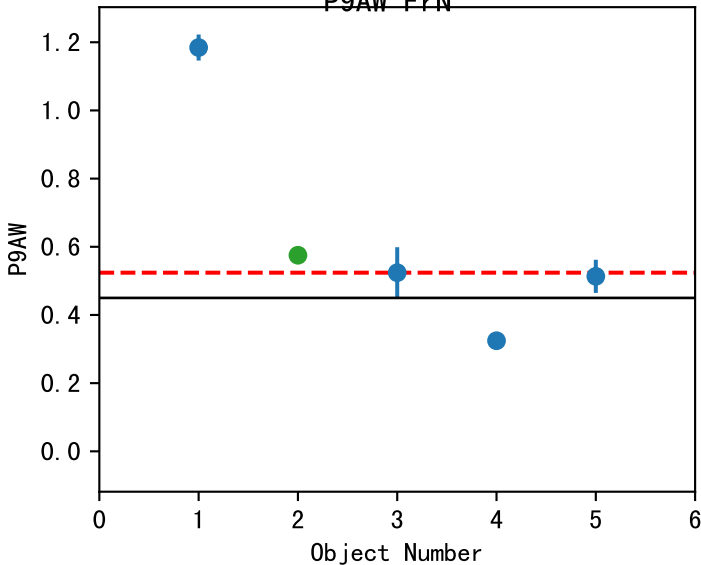
P9AW-052-18T2 (fit failed)



a (Def=0.45 Set=0.52)

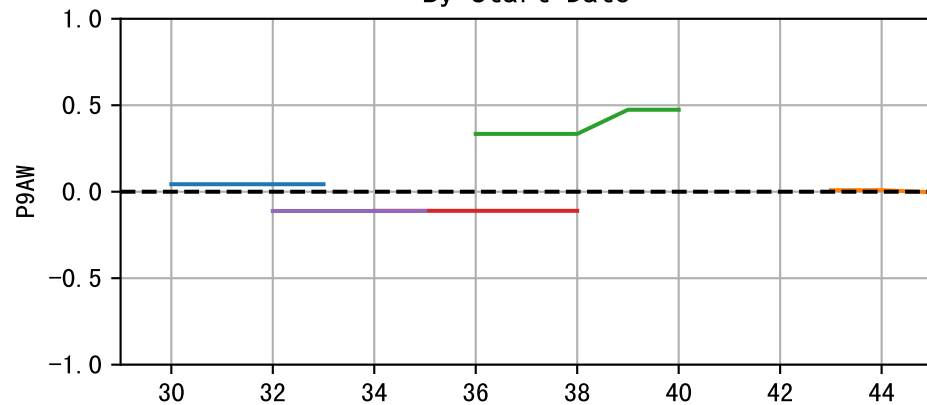
avg1=0.52 $\pm$ 6% avg2=na

P9AW FrN

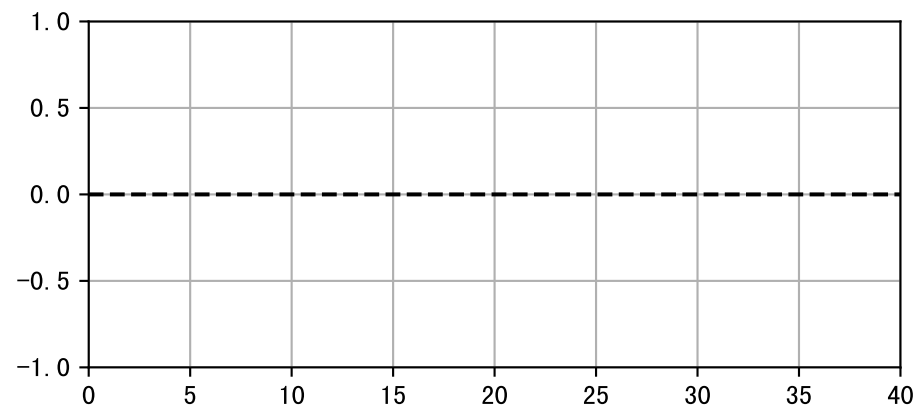
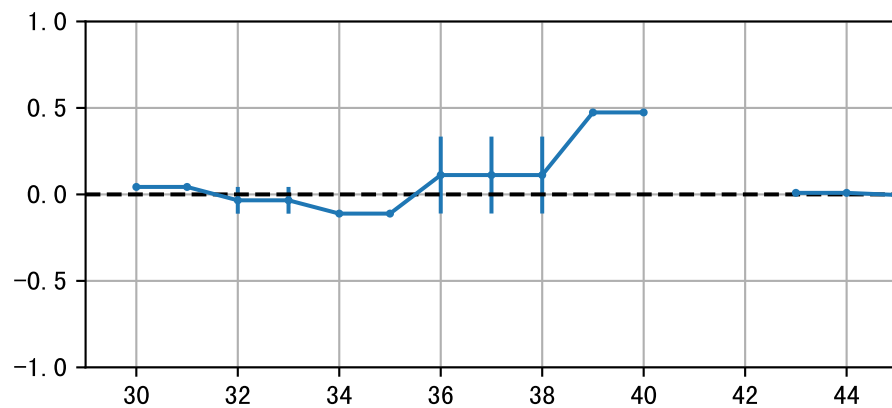
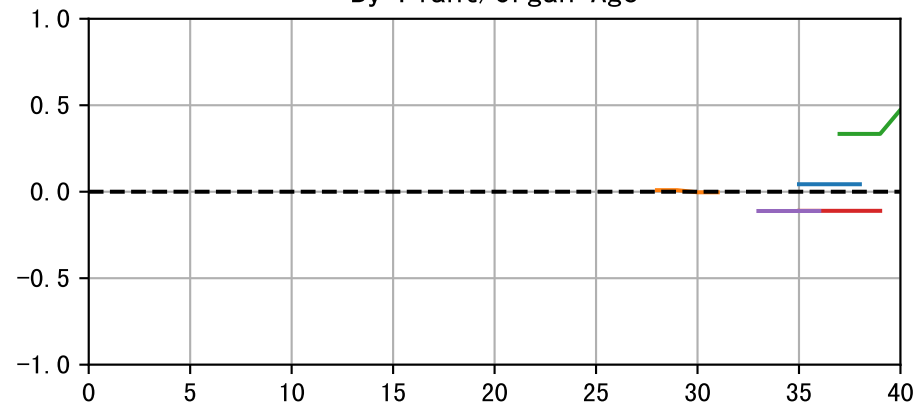


FrN

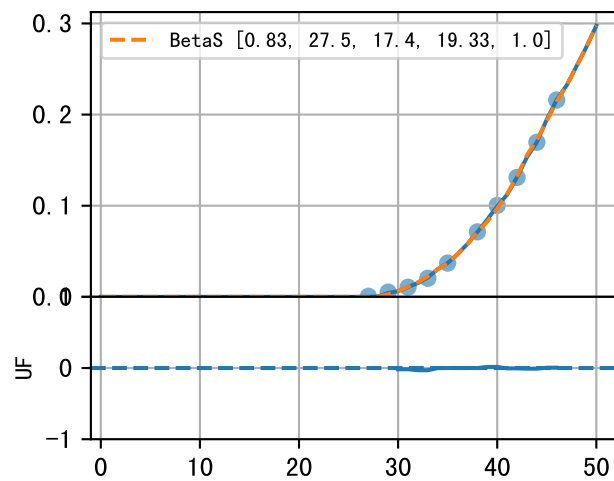
By Start Date



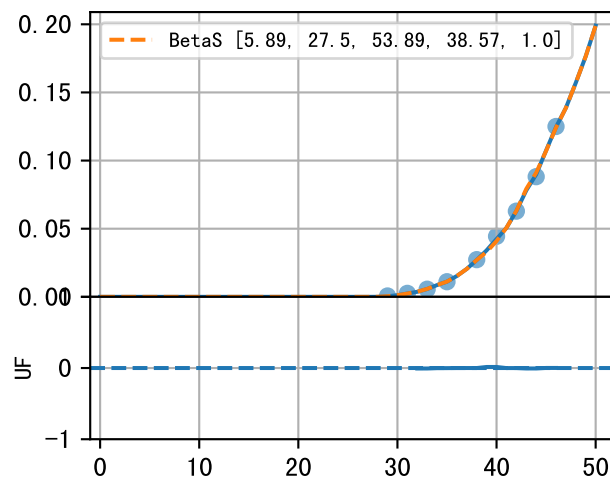
By Plant/Organ Age



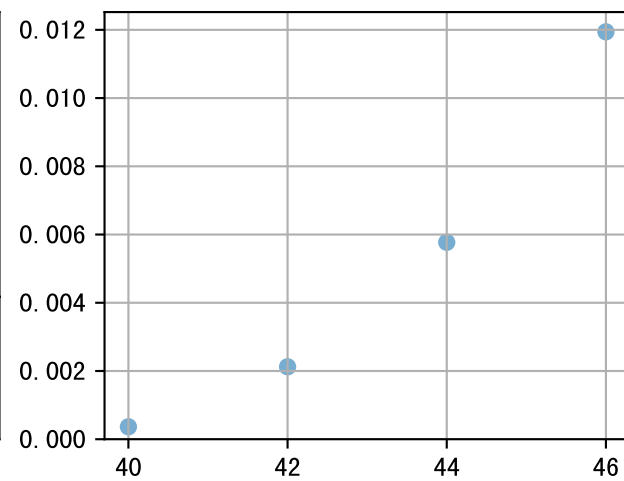
P9AW-005-13T1Fr1



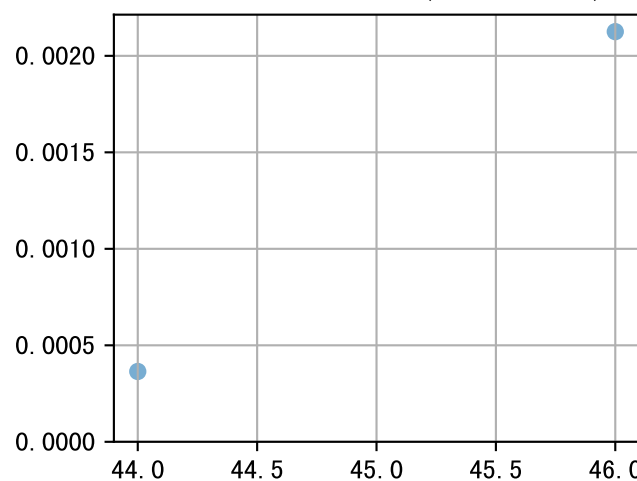
P9AW-005-13T1Fr5 (fit failed)



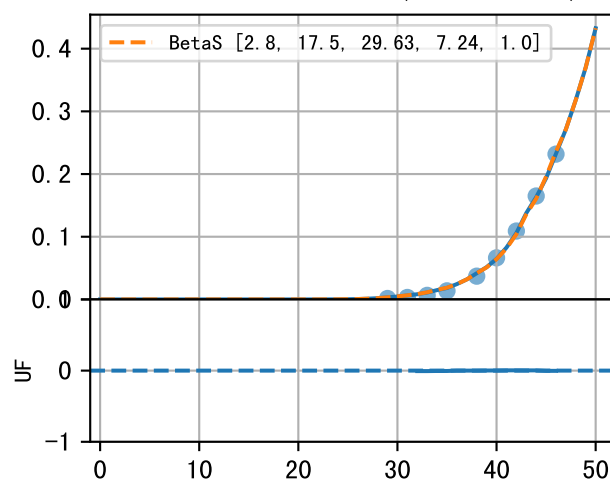
P9AW-005-13T2Fr1 (fit failed)



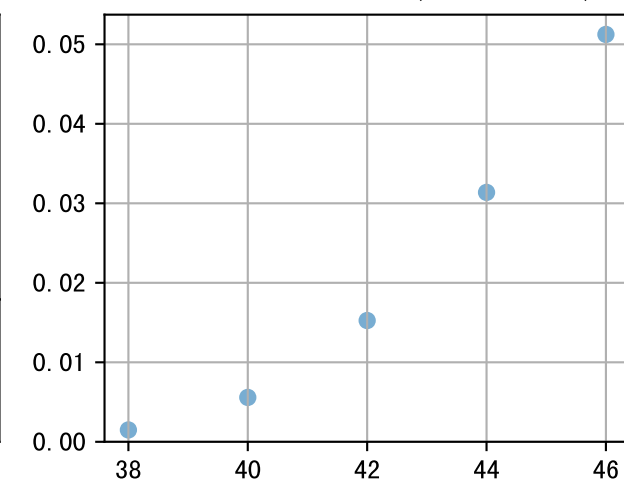
P9AW-005-13T2Fr5 (fit failed)



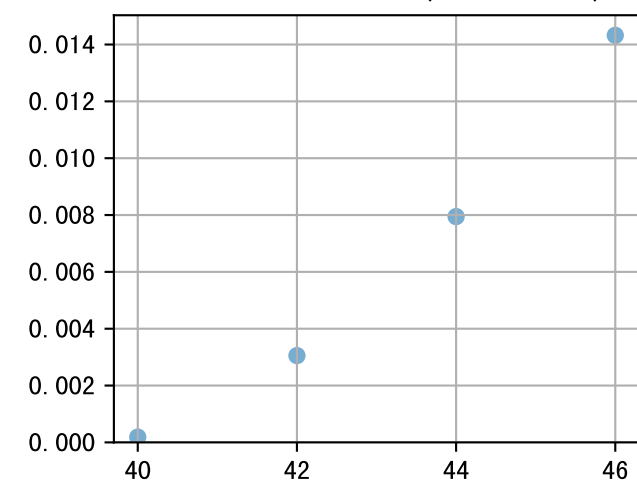
P9AW-017-26T1Fr1 (fit failed)



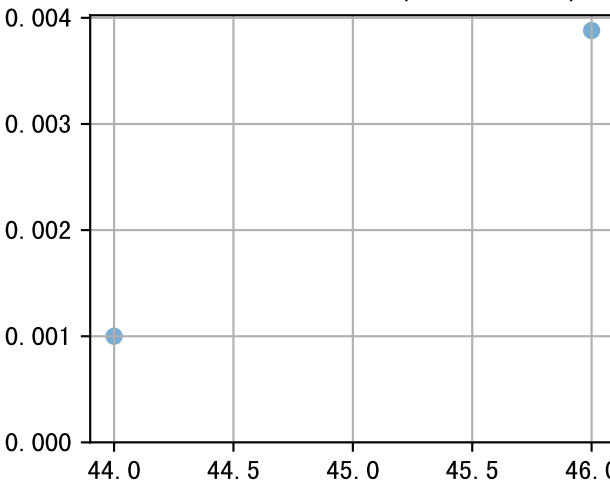
P9AW-017-26T1Fr5 (fit failed)



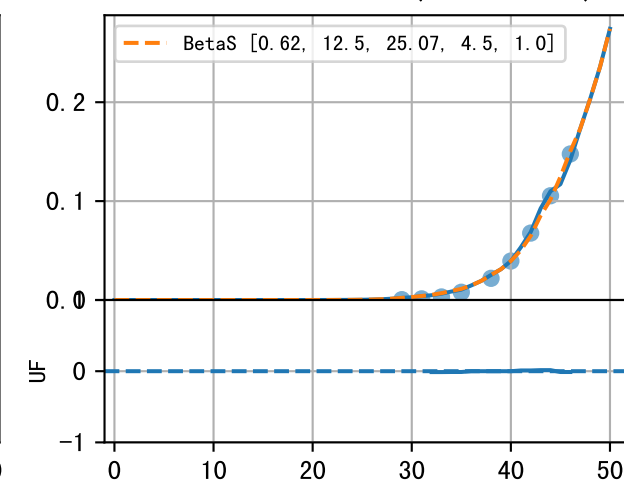
P9AW-017-26T2Fr1 (fit failed)



P9AW-017-26T2Fr5 (fit failed)

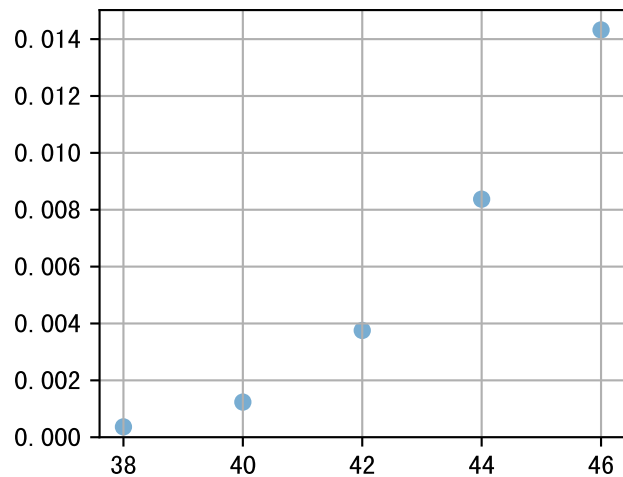


P9AW-029-11T1Fr1 (fit failed)

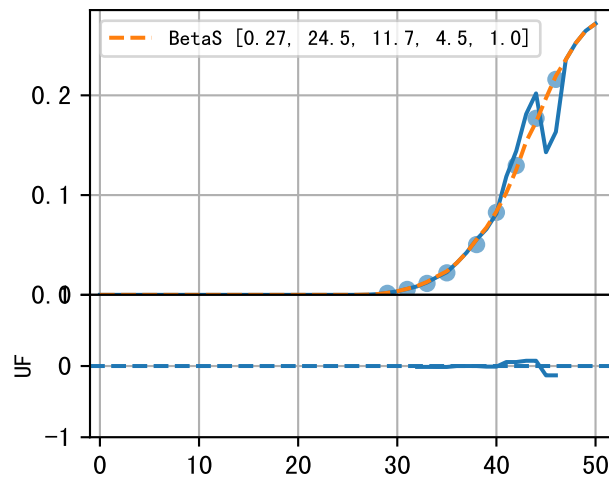


FrV

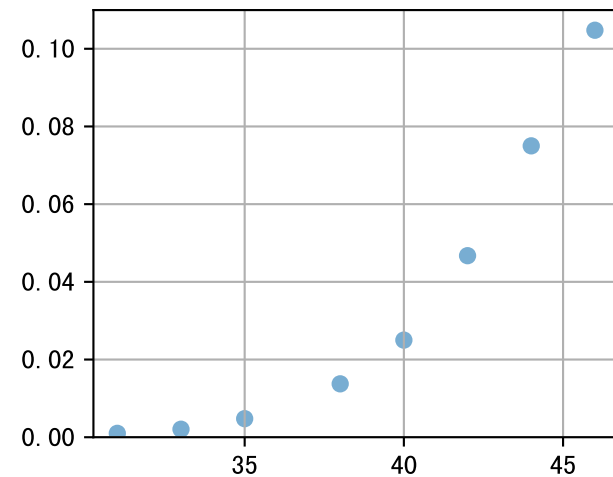
P9AW-029-11T1Fr5 (fit failed)



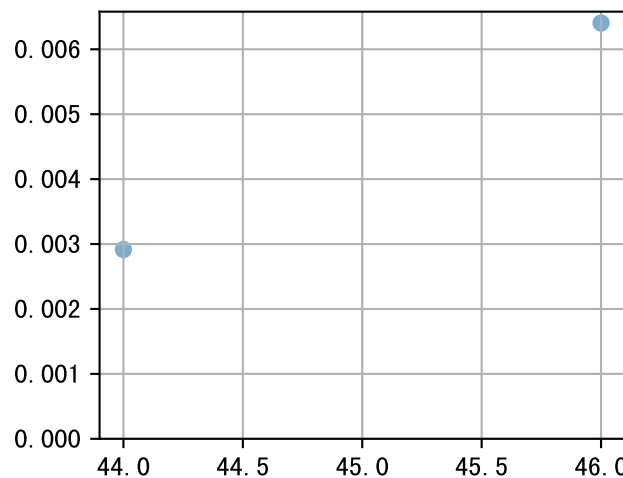
P9AW-040-22T1Fr1



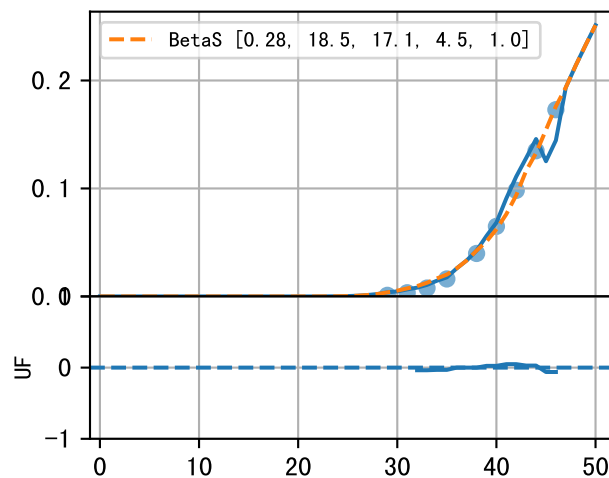
P9AW-040-22T1Fr5 (fit failed)



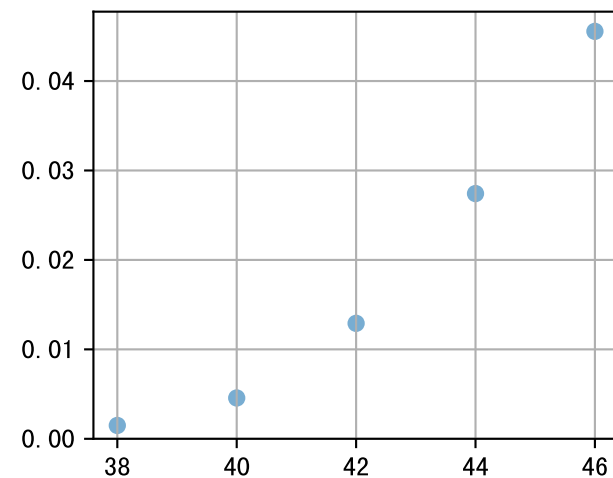
P9AW-040-22T2Fr1 (fit failed)



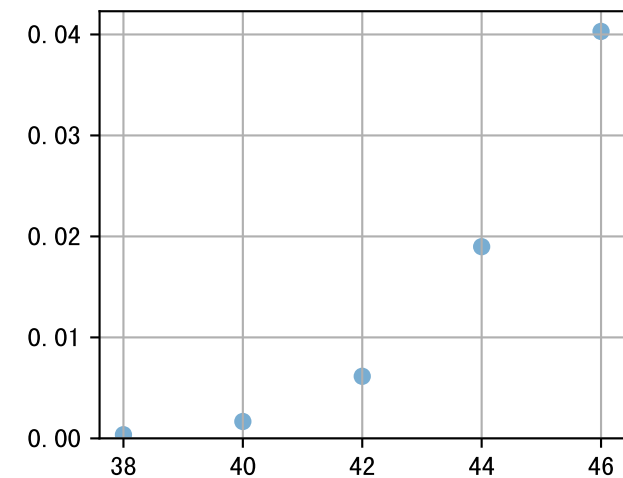
P9AW-052-18T1Fr1



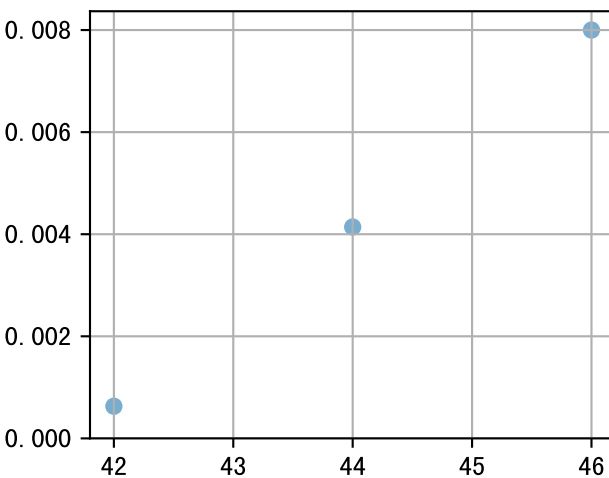
P9AW-052-18T1Fr5 (fit failed)

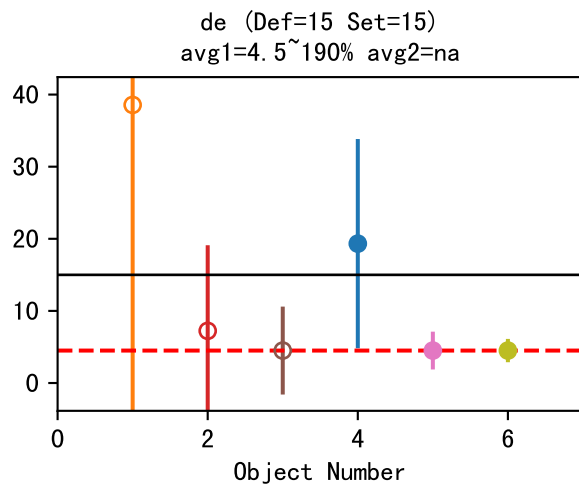
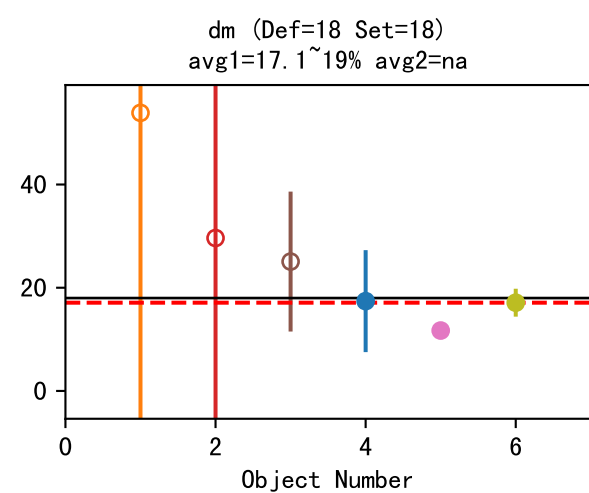
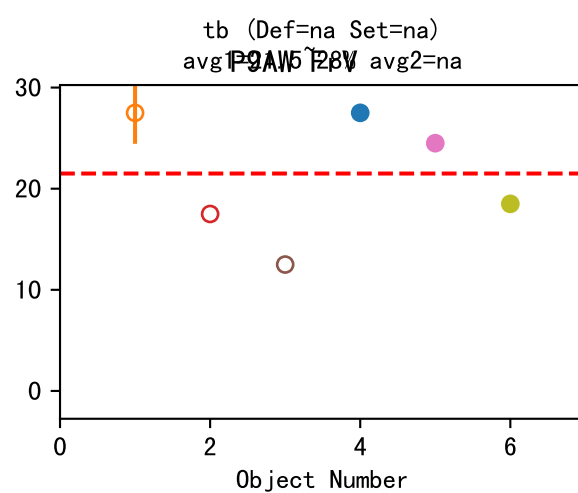
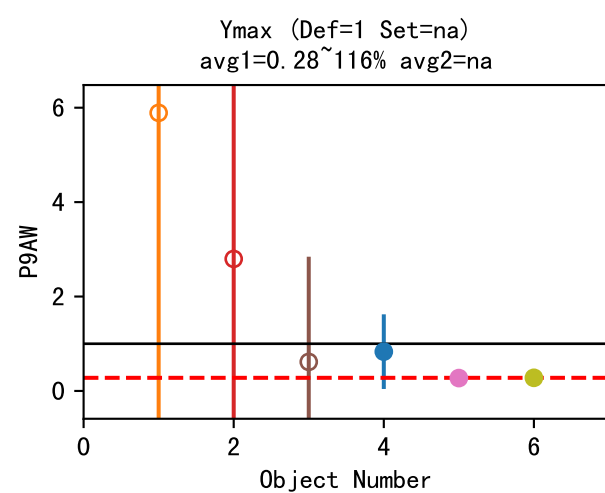


P9AW-052-18T2Fr1 (fit failed)

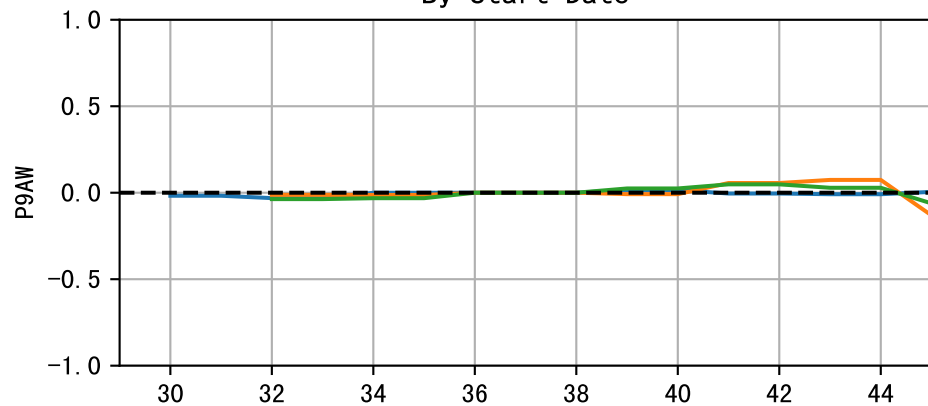


P9AW-052-18T2Fr5 (fit failed)

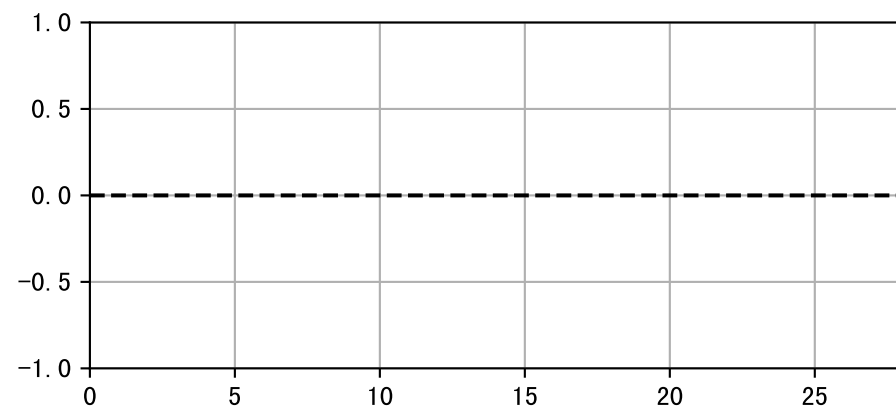
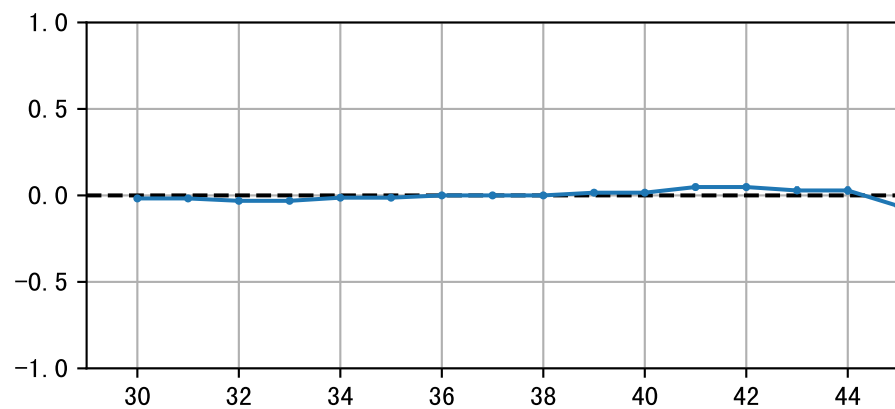
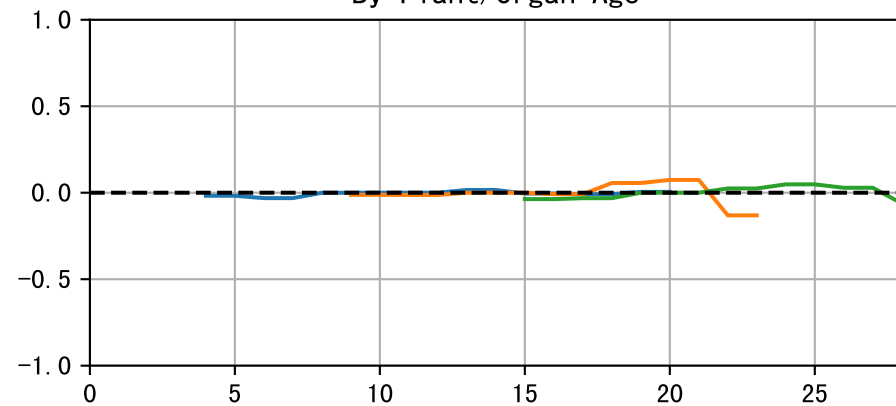




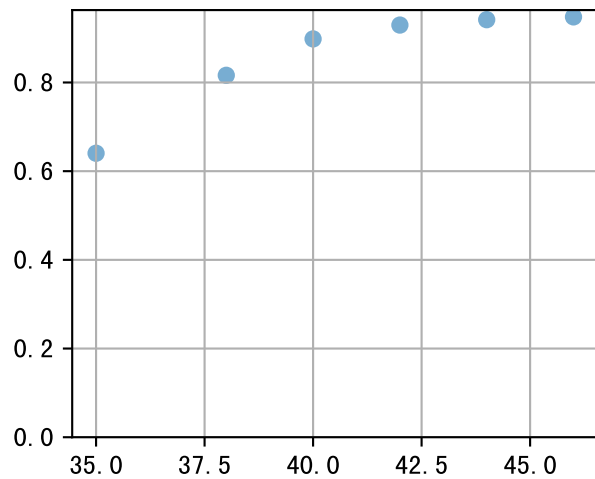
By Start Date



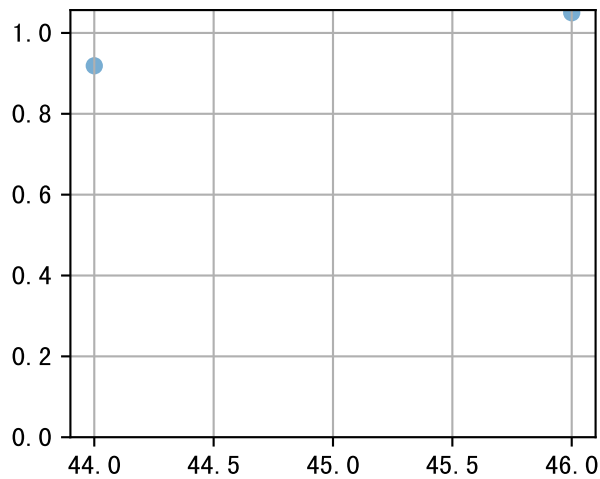
By Plant/Organ Age



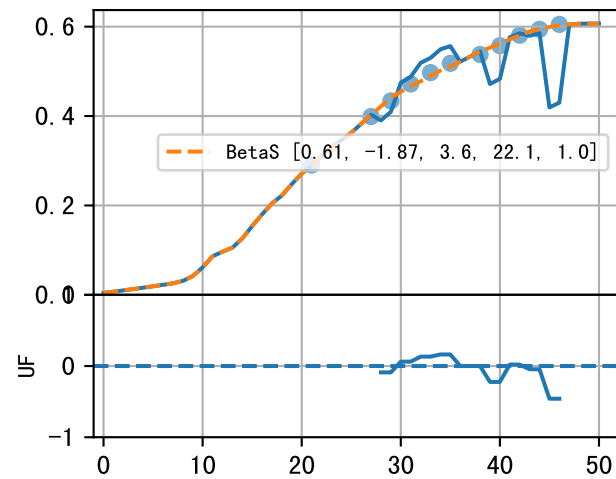
P9AW-005-13L11 (fit failed)



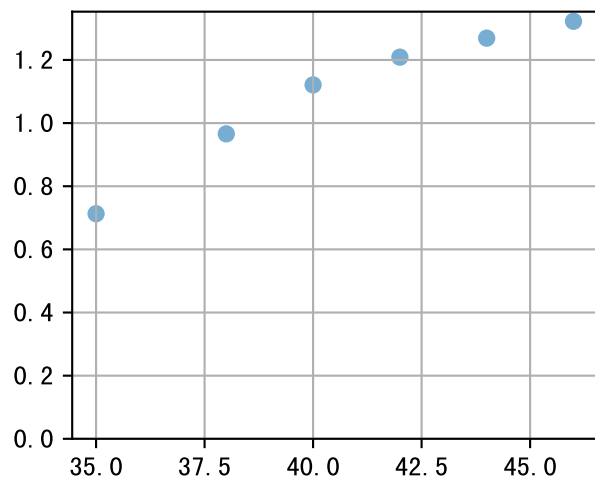
P9AW-005-13L14 (fit failed)



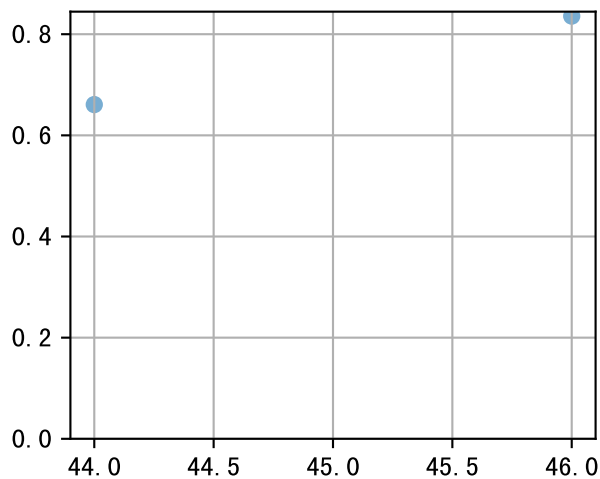
P9AW-005-13L6 (fit failed)



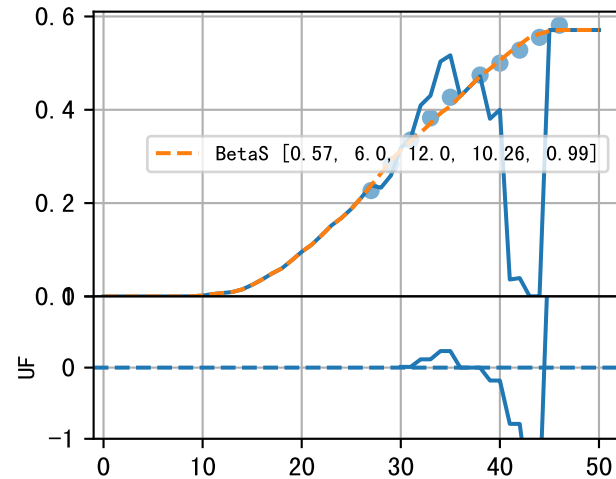
P9AW-017-26L10 (fit failed)



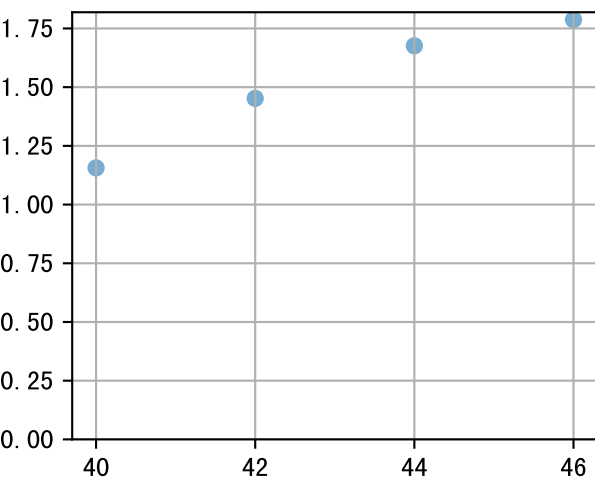
P9AW-017-26L13 (fit failed)



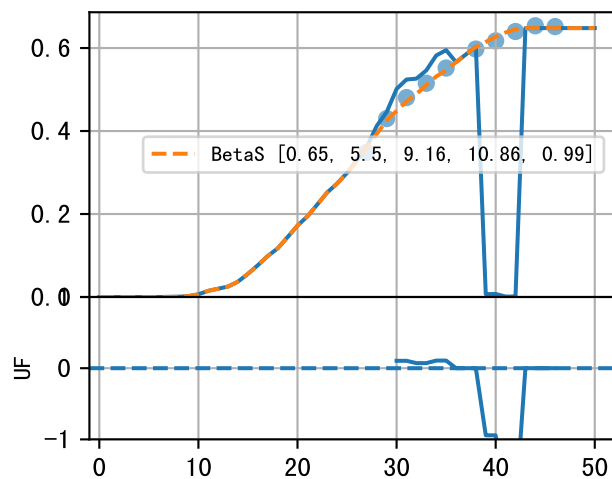
P9AW-017-26L7



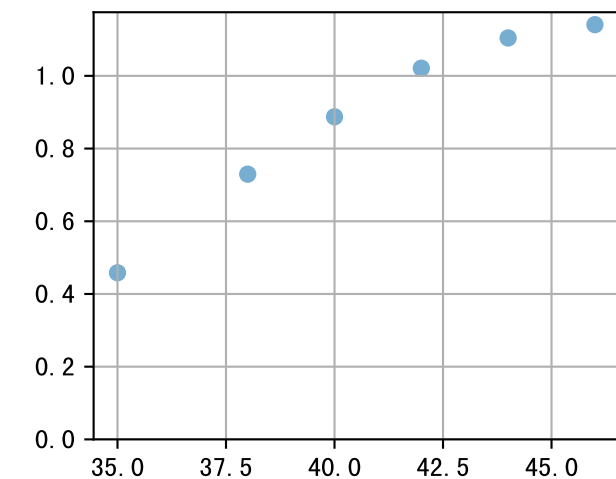
P9AW-029-11L12 (fit failed)



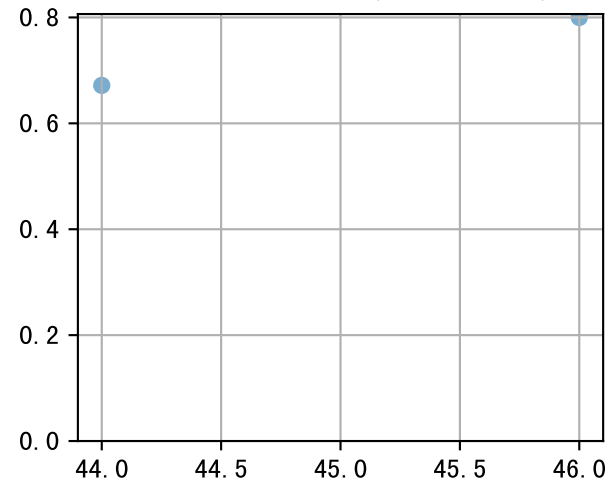
P9AW-029-11L7 (fit failed)



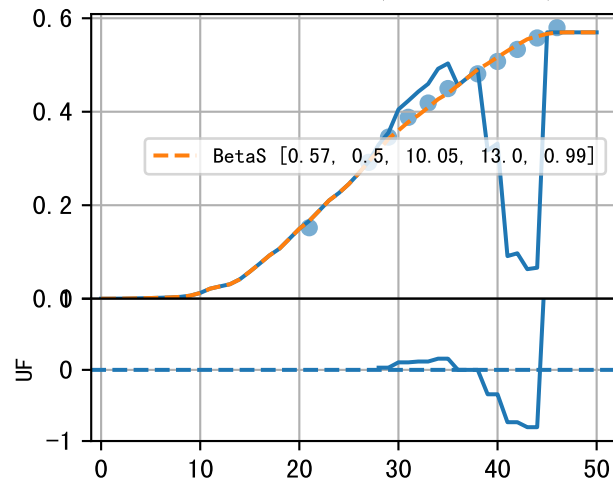
P9AW-040-22L10 (fit failed)



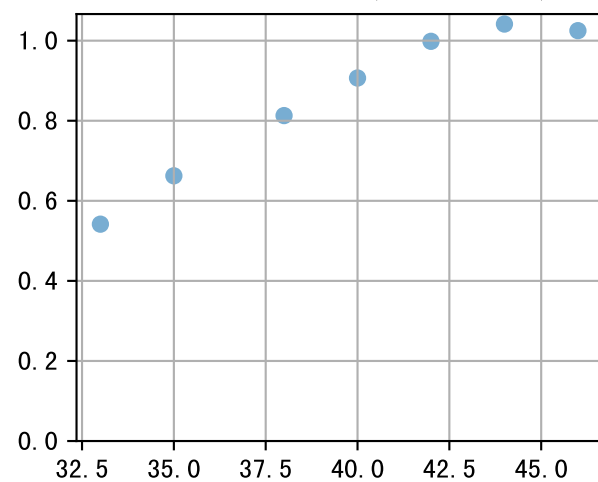
P9AW-040-22L13 (fit failed)



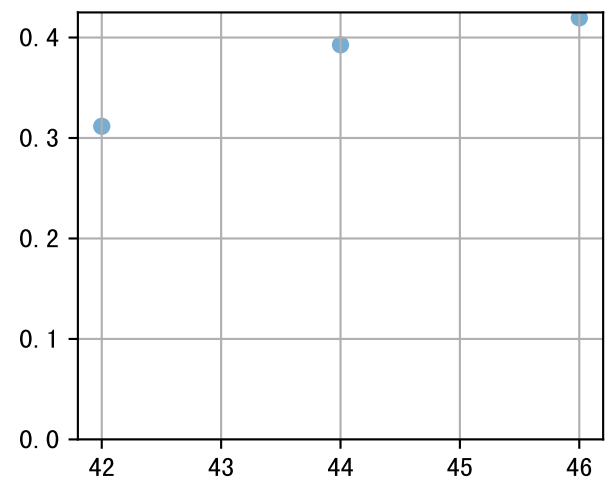
P9AW-040-22L7 (fit failed)



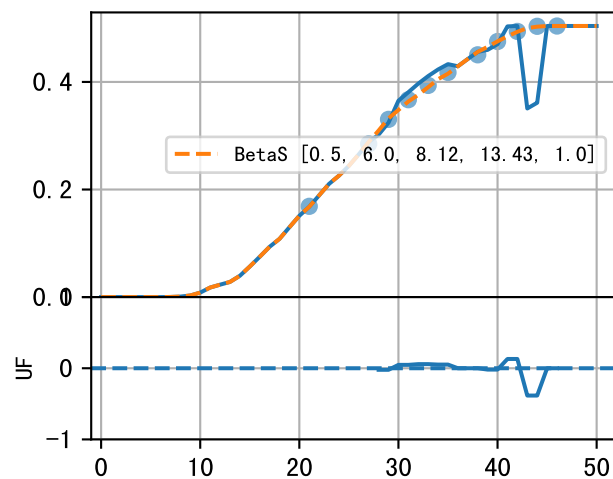
P9AW-052-18L10 (fit failed)

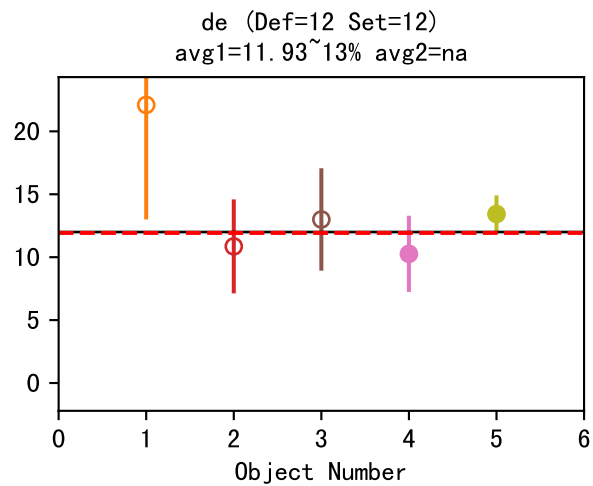
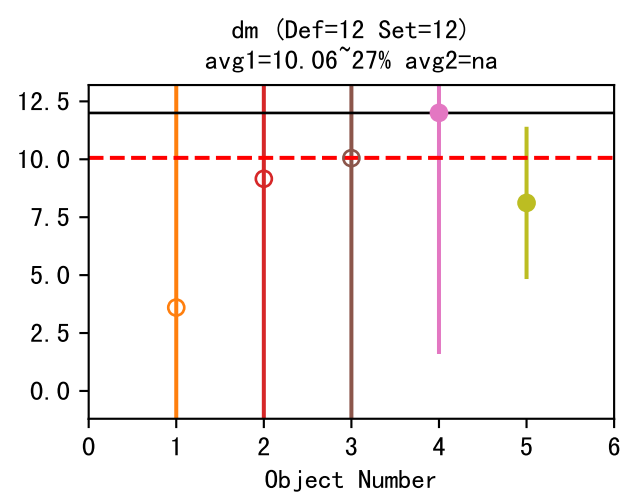
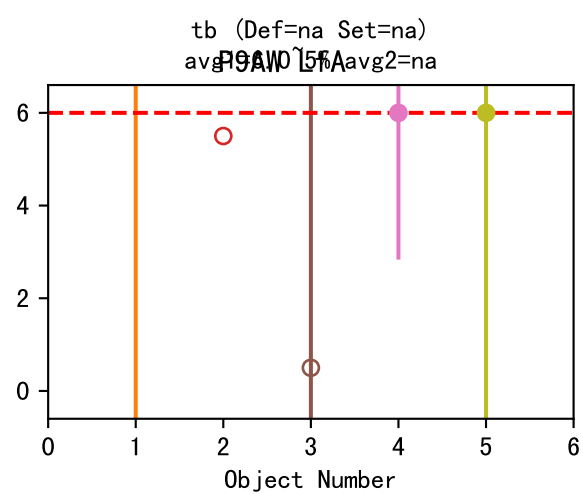
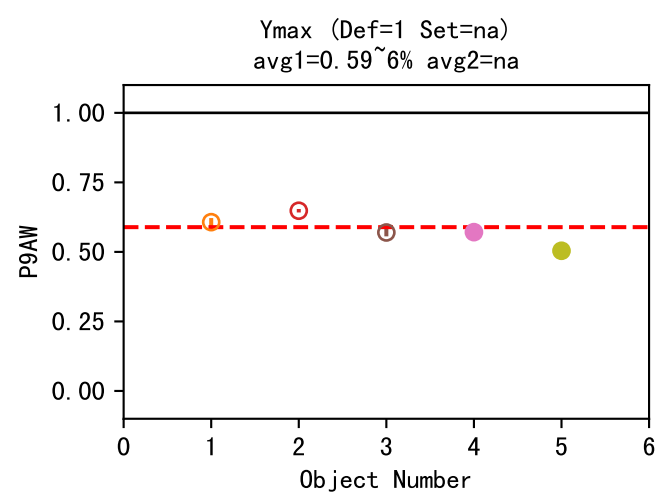


P9AW-052-18L14 (fit failed)

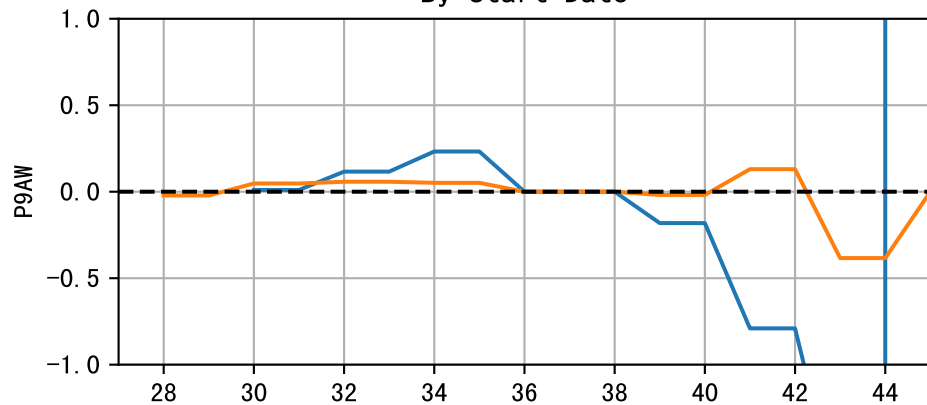


P9AW-052-18L7

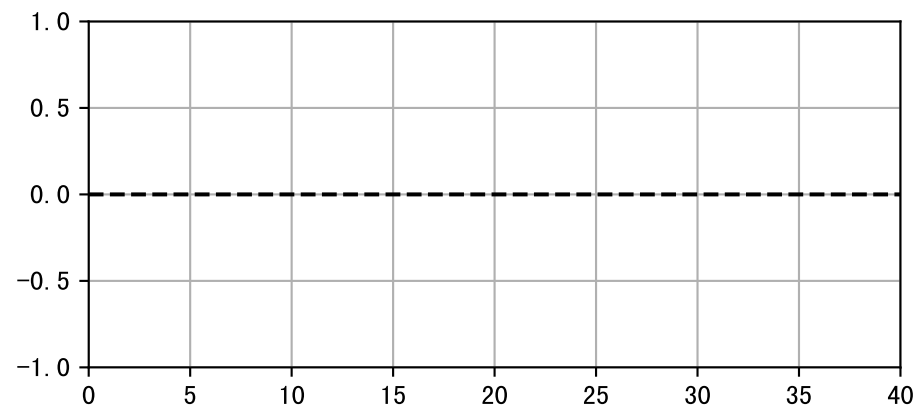
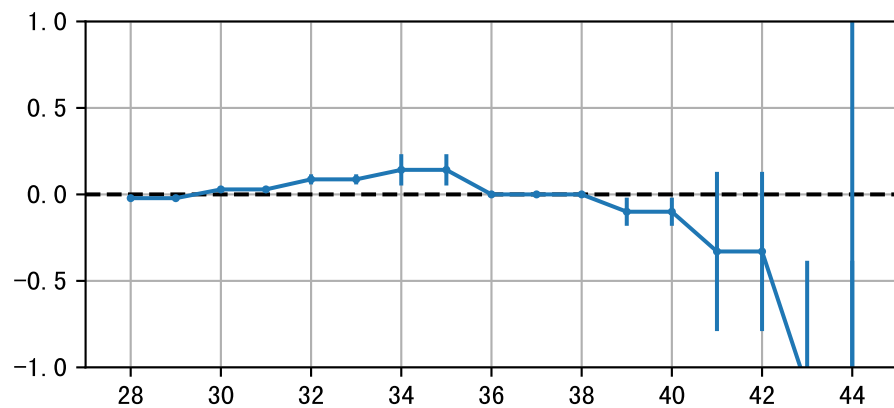
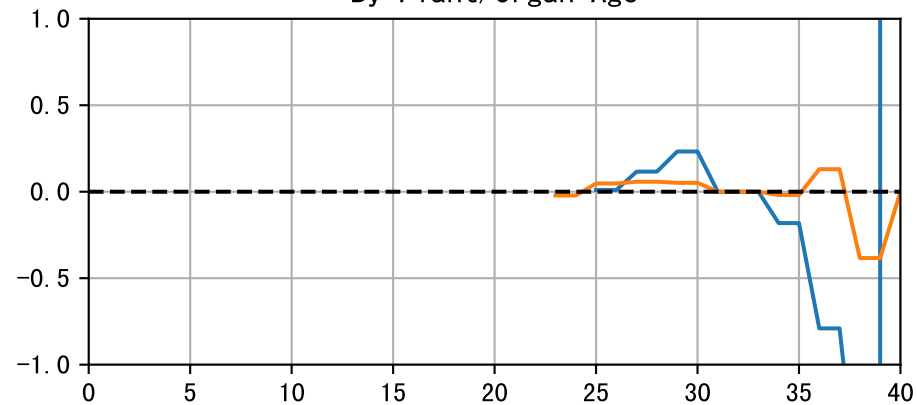


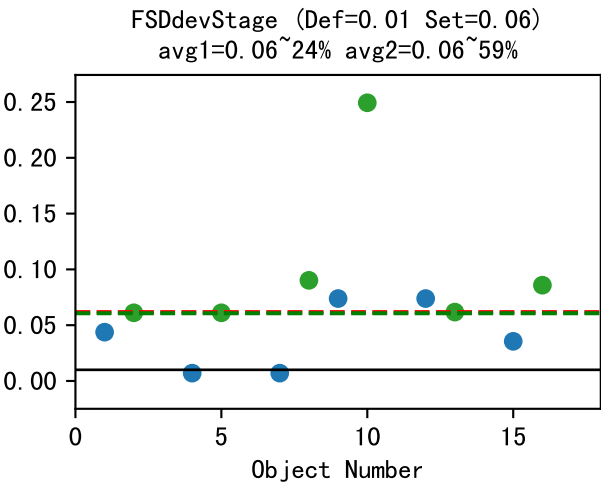
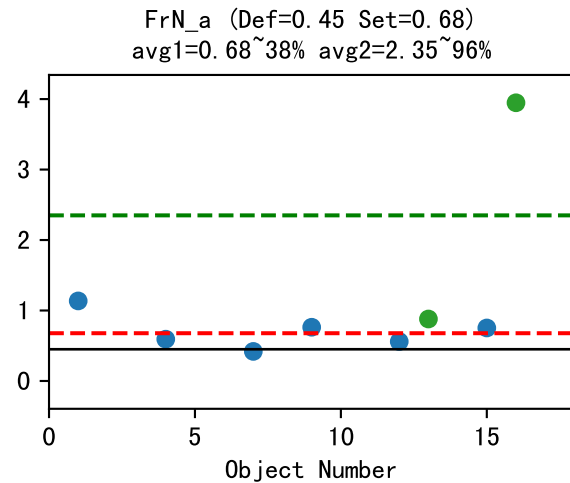
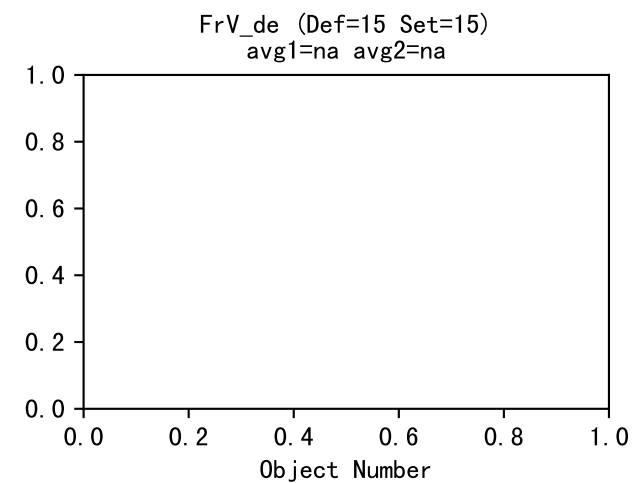
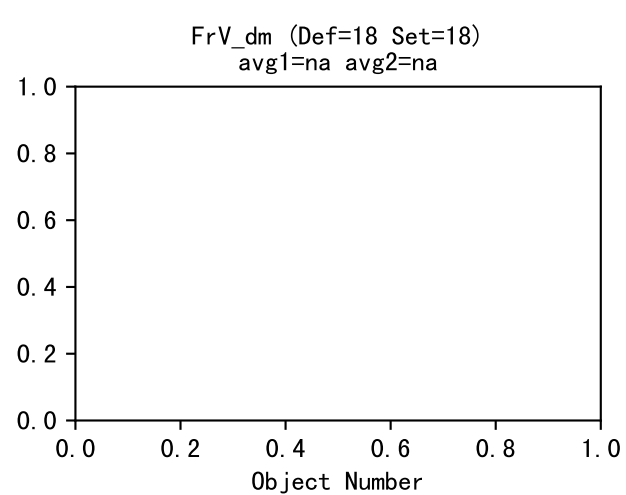
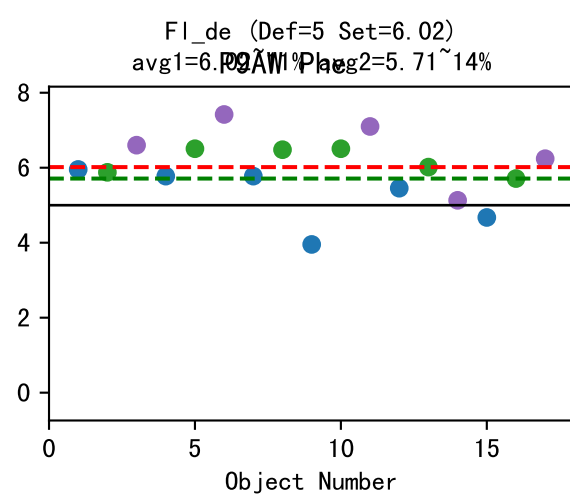
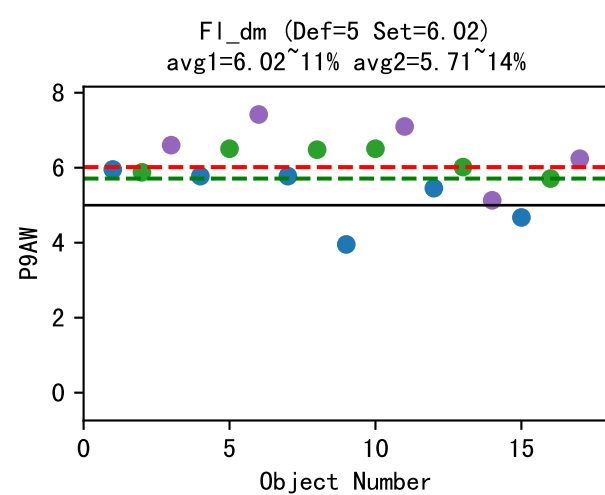


By Start Date

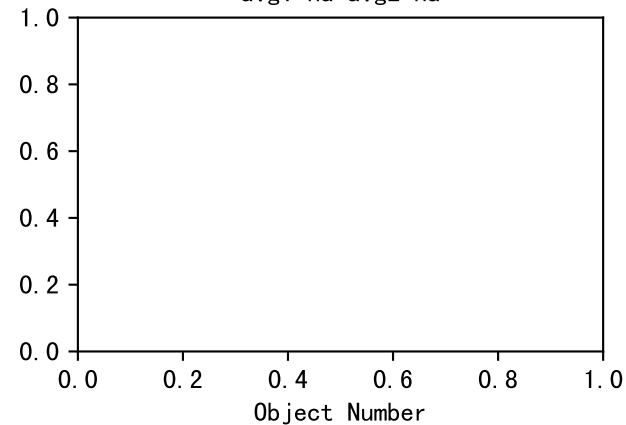


By Plant/Organ Age

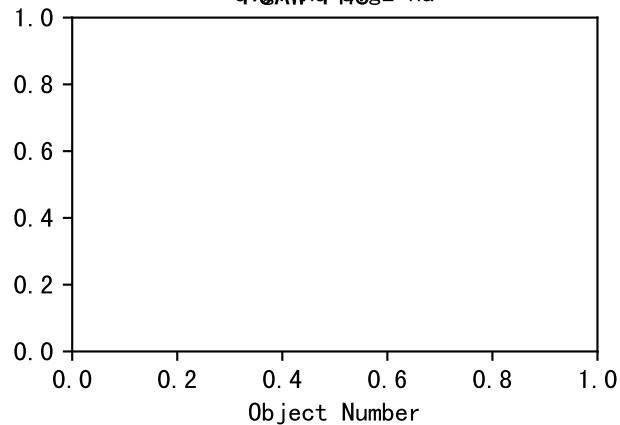




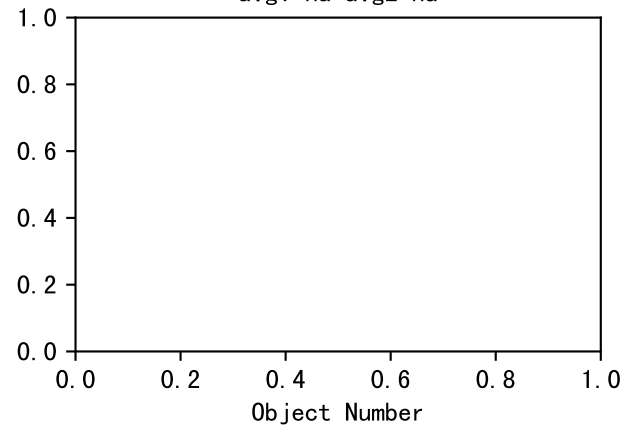
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



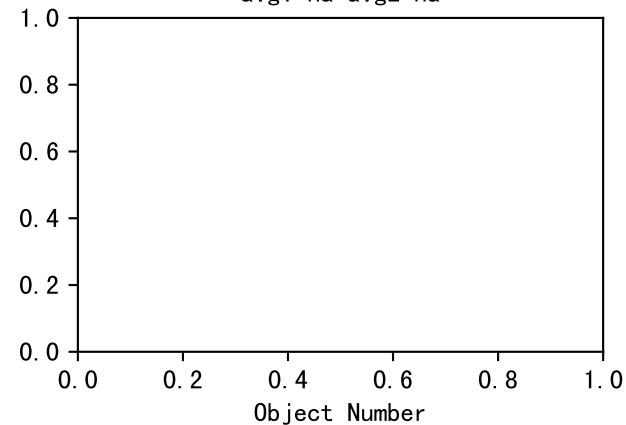
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



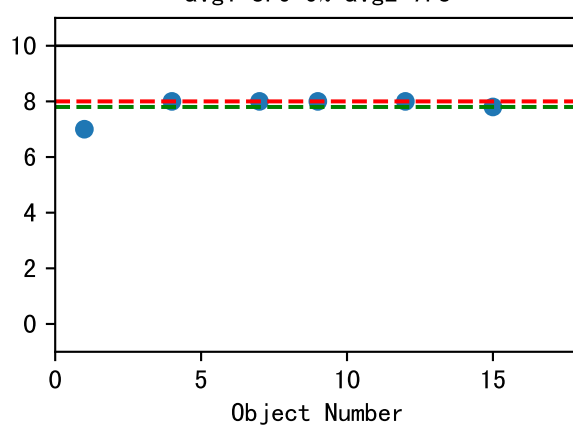
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

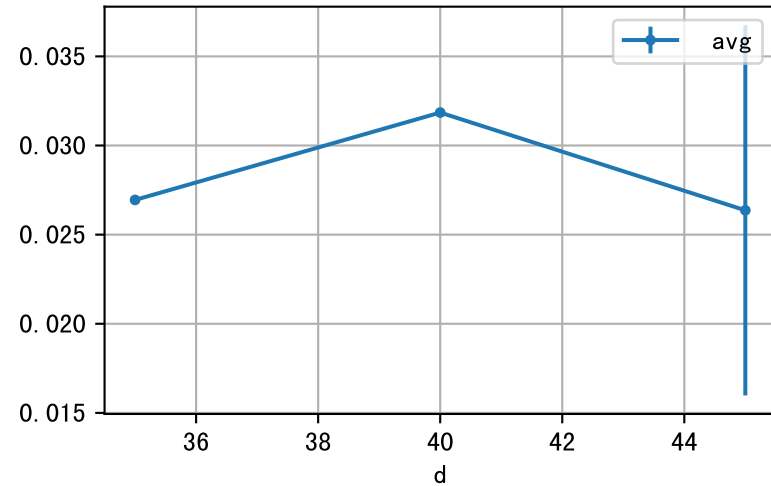


NNgen (Def=10 Set=8)
avg1=8.0~0% avg2=7.8

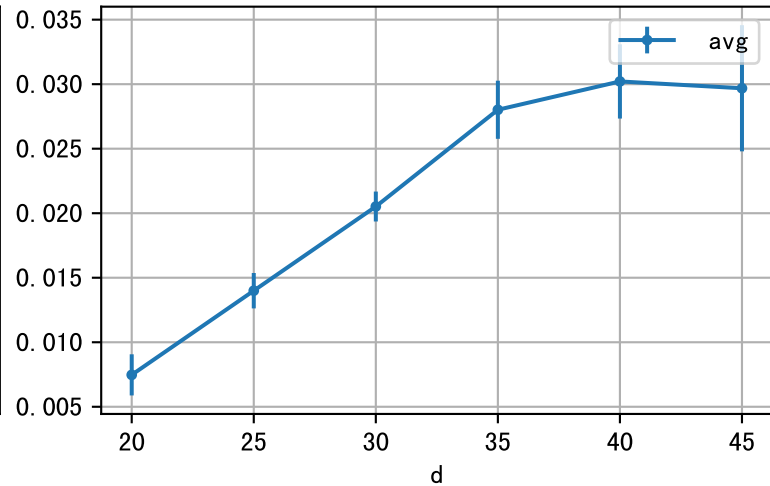


LfA: avg vs. d at each age group

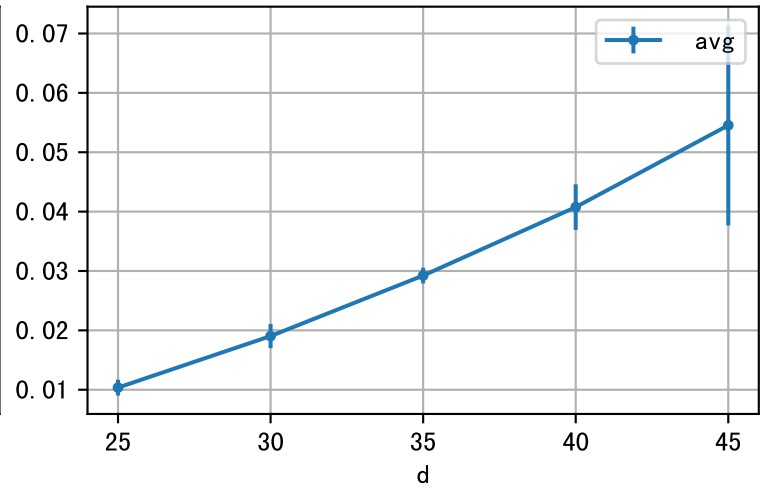
age=20



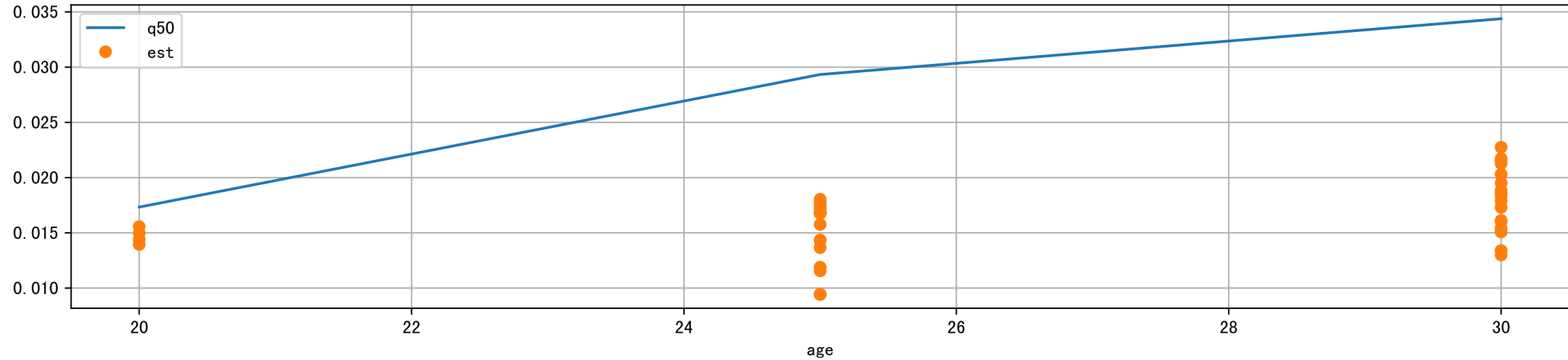
age=25



age=30

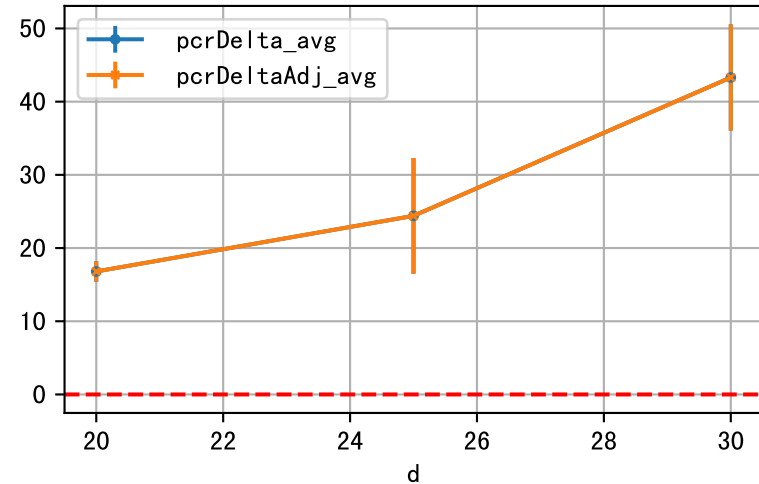


LfA: model est vs obs0v@Q50

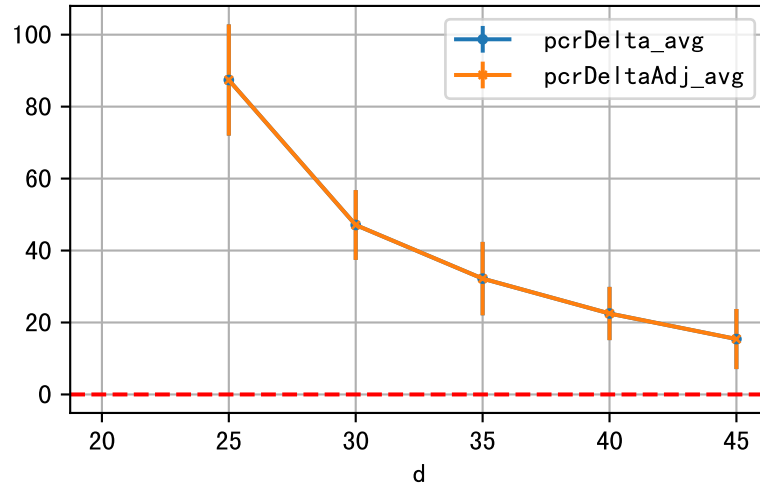


P9AW LfA: D_5d_LfA

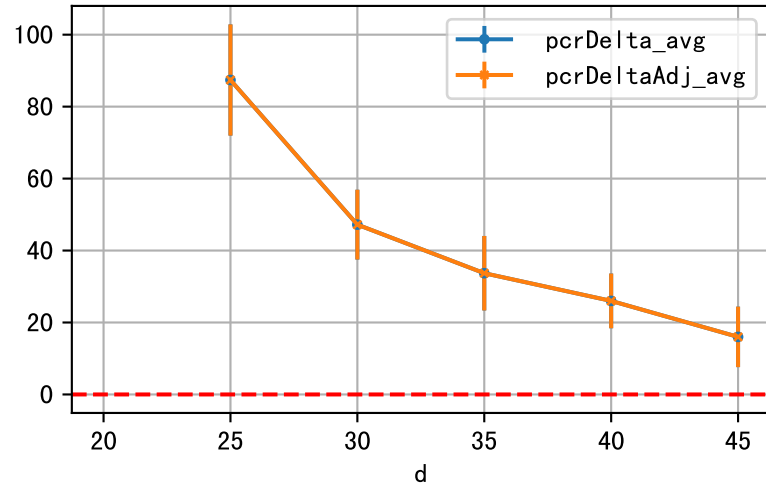
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

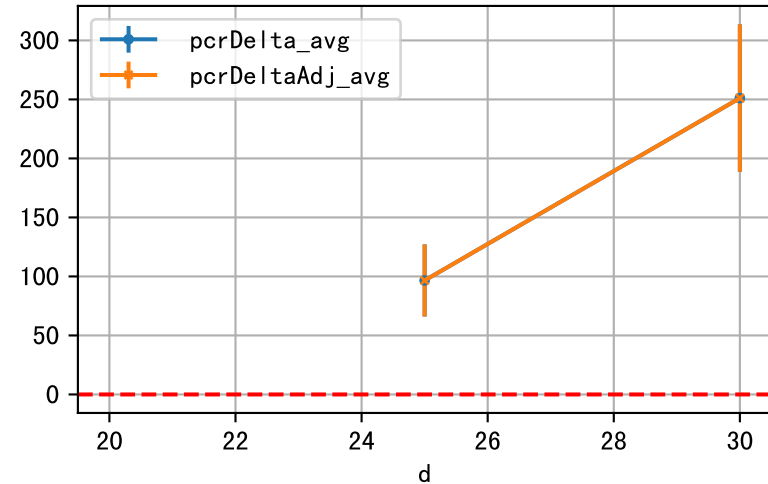


DeltaTypeAbbr=Wei AvgByD

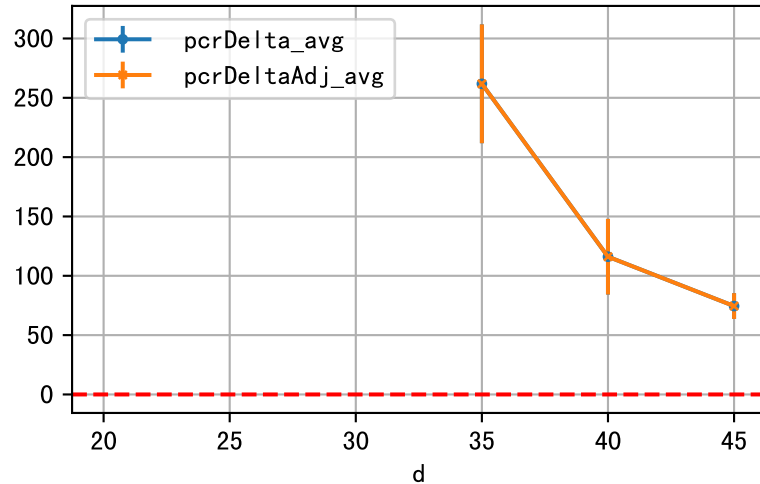


P9AW LfA: D_15d_LfA

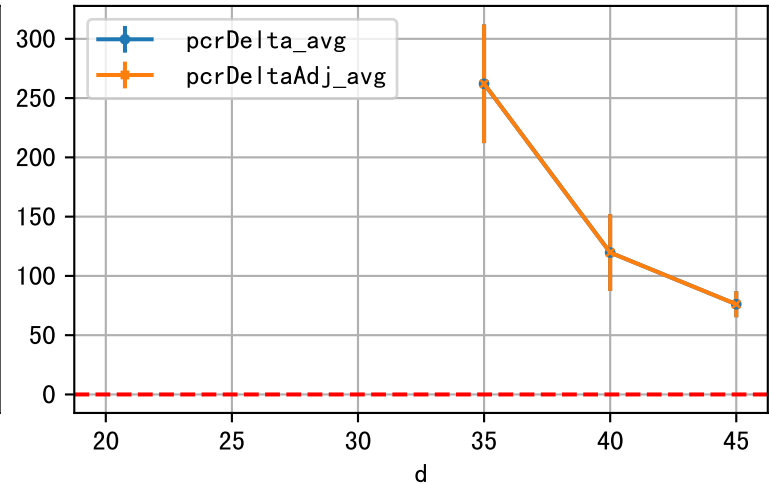
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

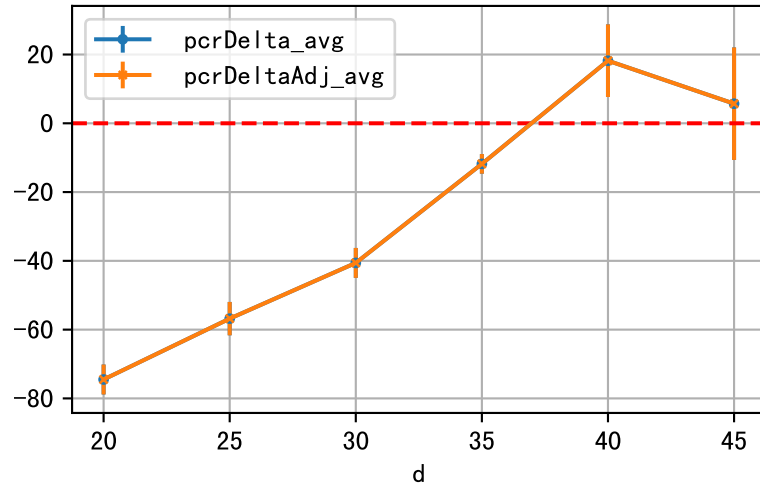


DeltaTypeAbbr=Wei AvgByD

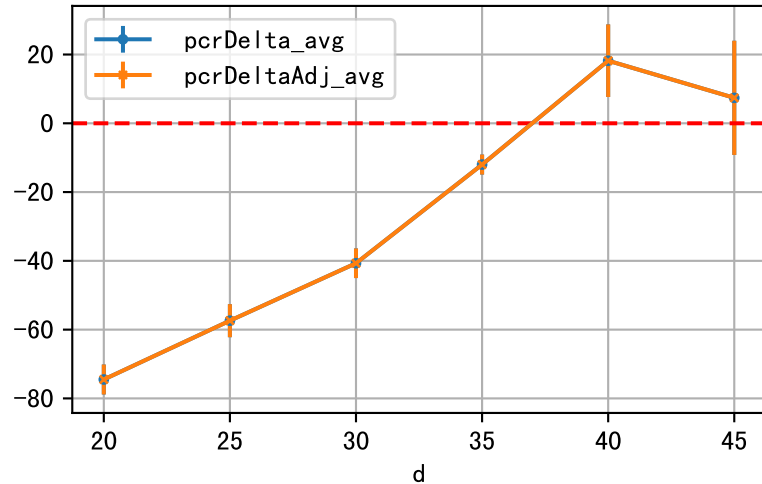


P9AW LfA: D_Q50_LfA

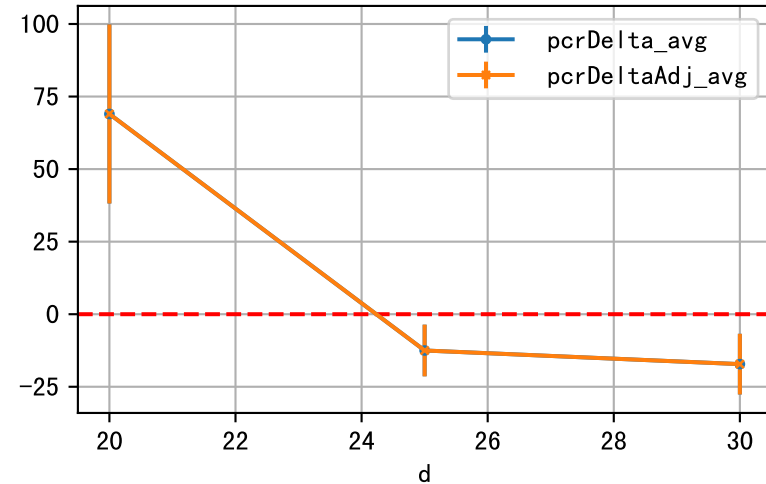
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

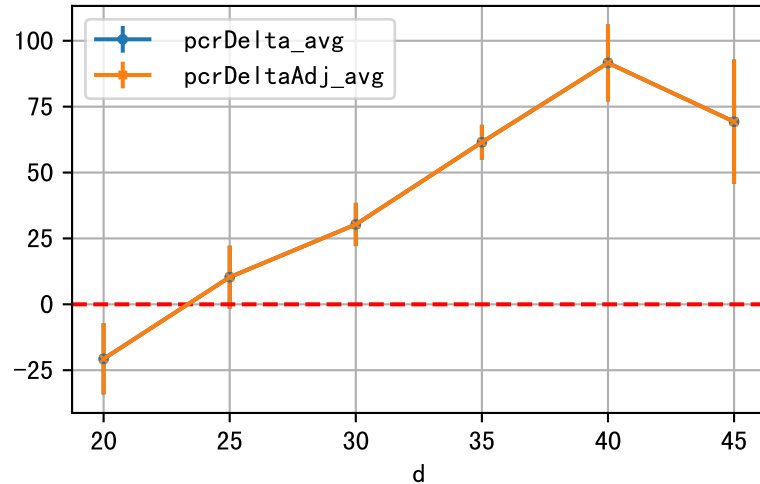


DeltaTypeAbbr=GrpByAge

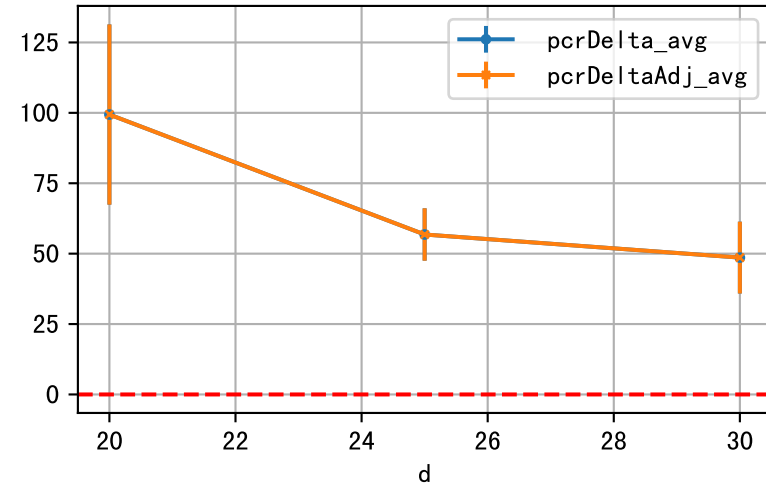


P9AW LfA: D_Est_LfA

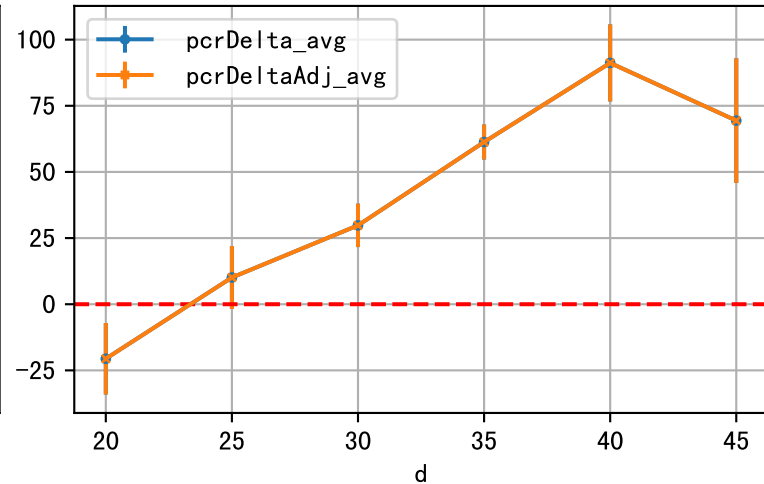
DeltaTypeAbbr=GrpByDay



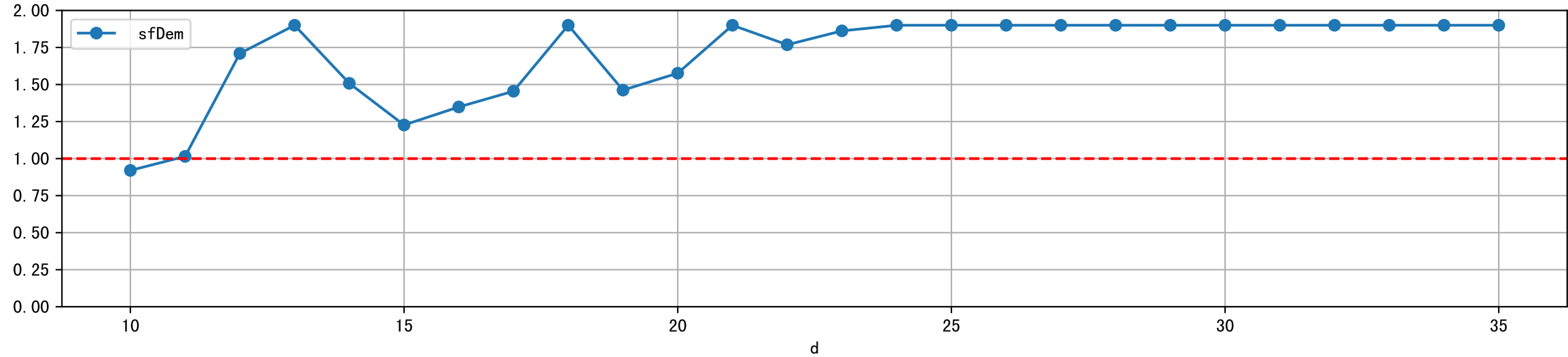
DeltaTypeAbbr=GrpByAge

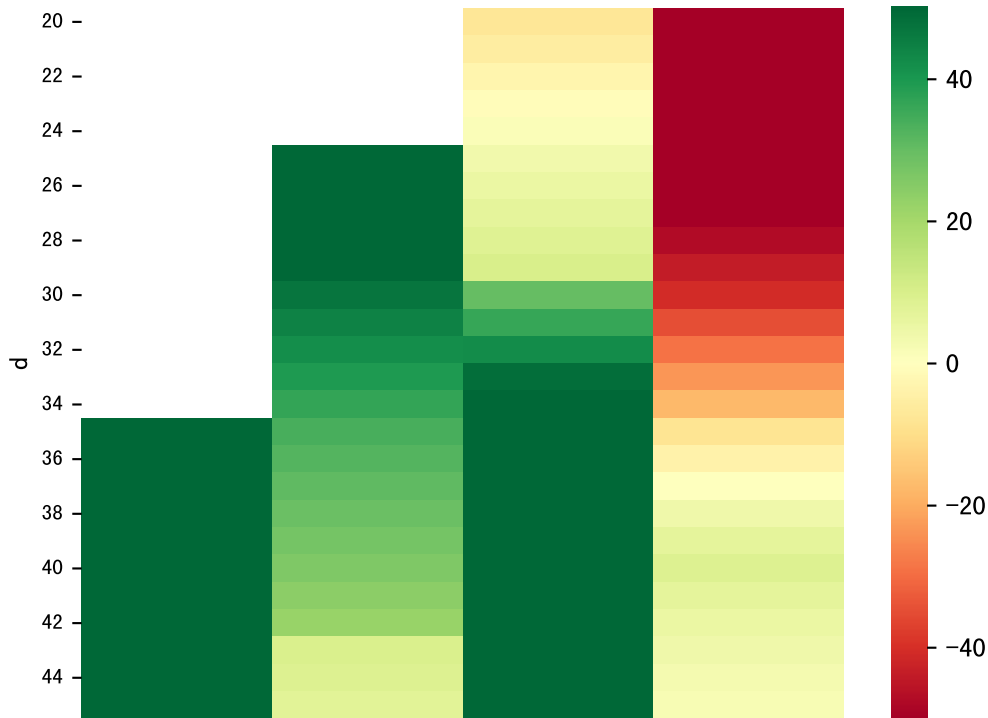


DeltaTypeAbbr=Wei AvgByD



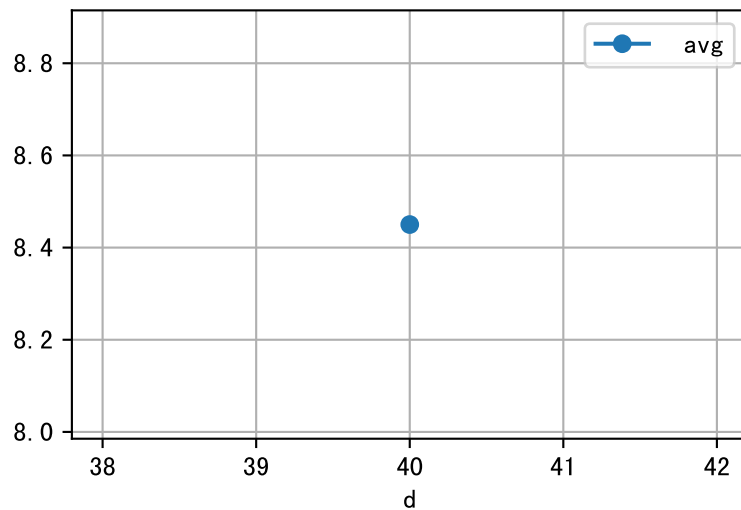
LfA: sfDem



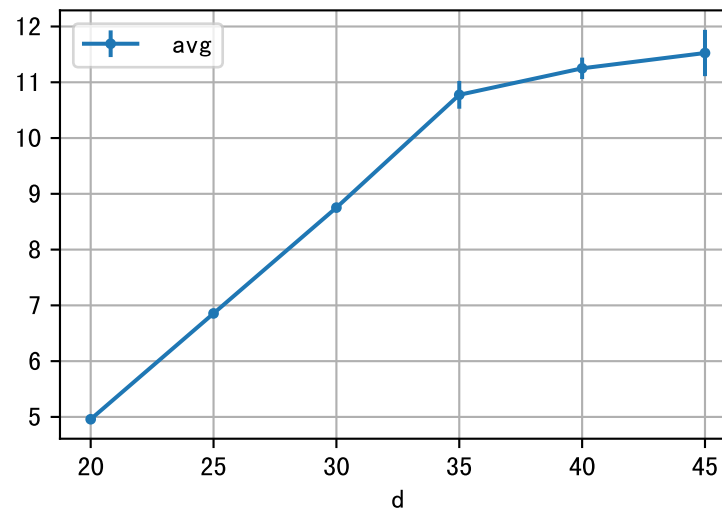


NdD: avg vs. d at each age group

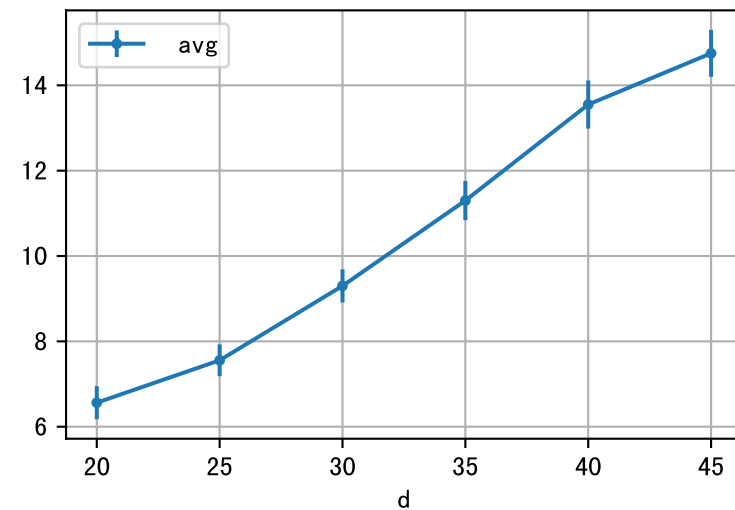
age=15



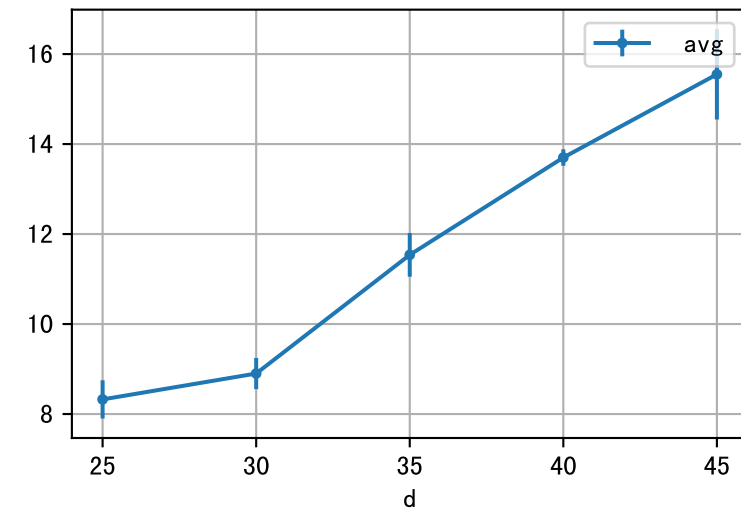
age=20



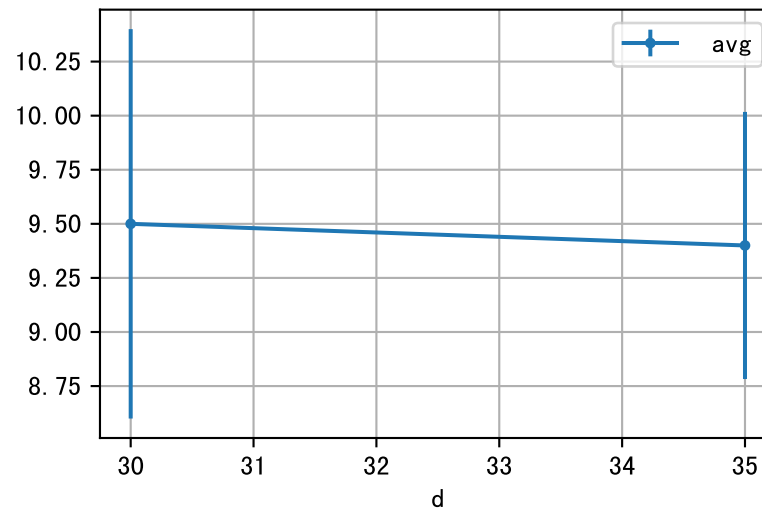
age=25



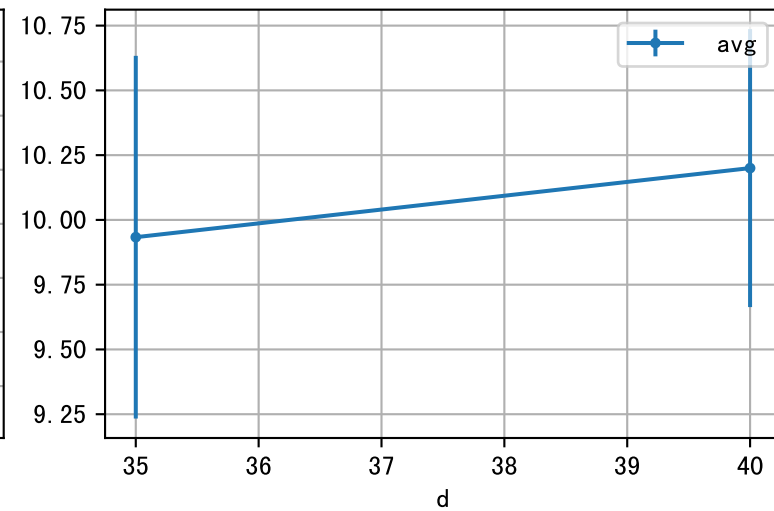
age=30



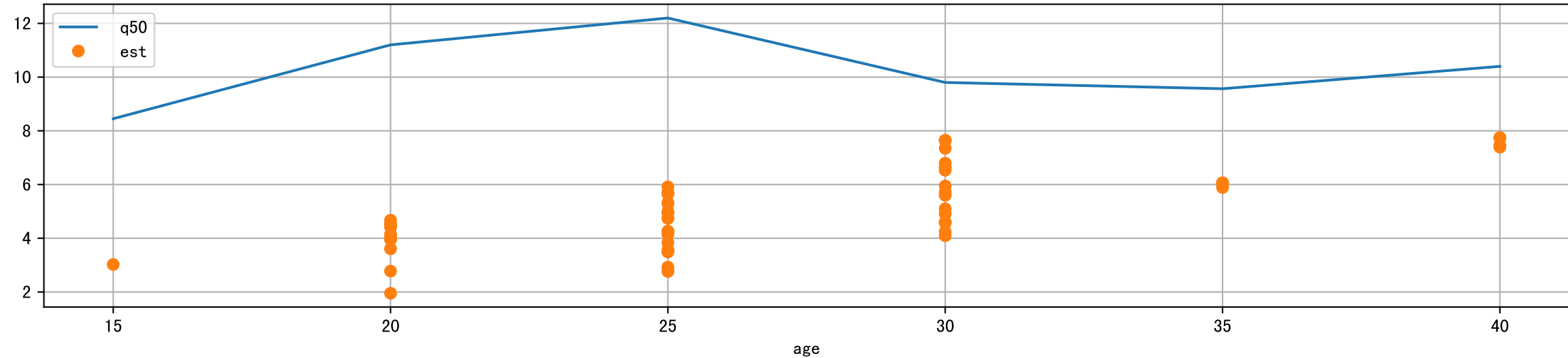
age=35



age=40

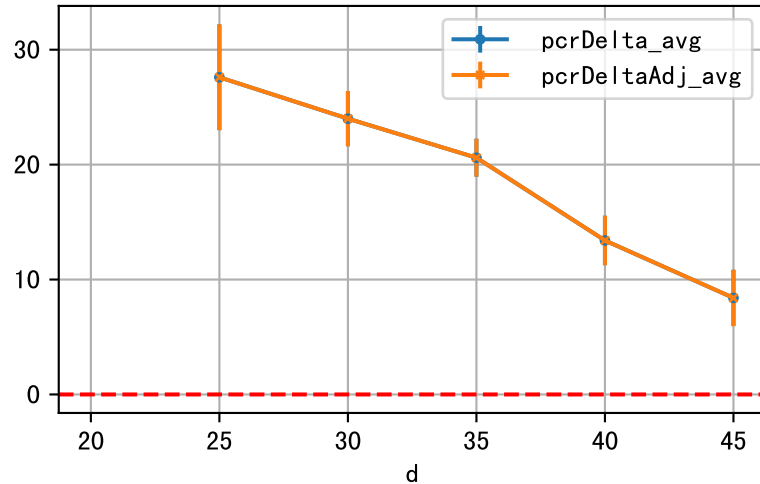


NdD: model est vs obs0v@Q50

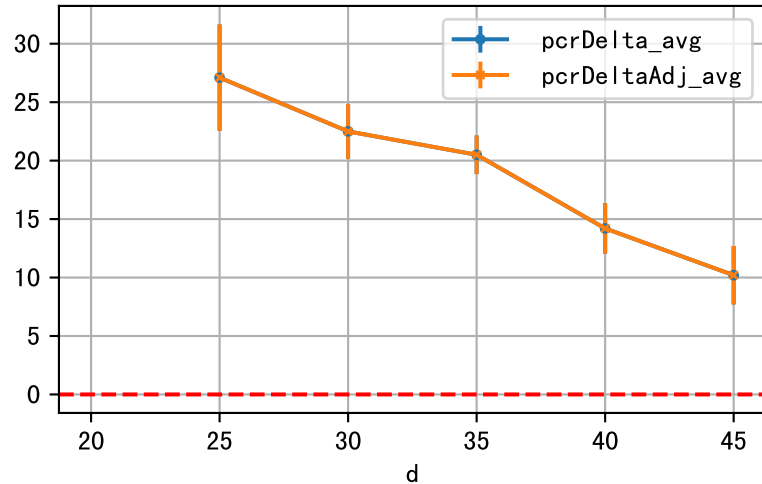


P9AW NdD: D_5d_NdD

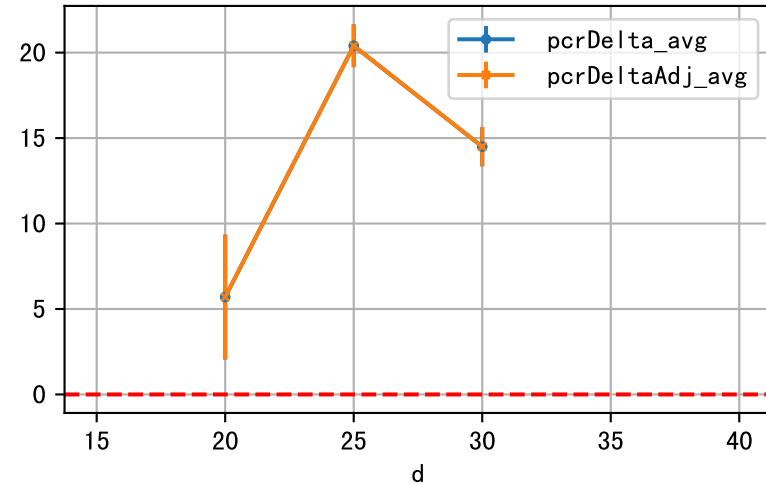
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

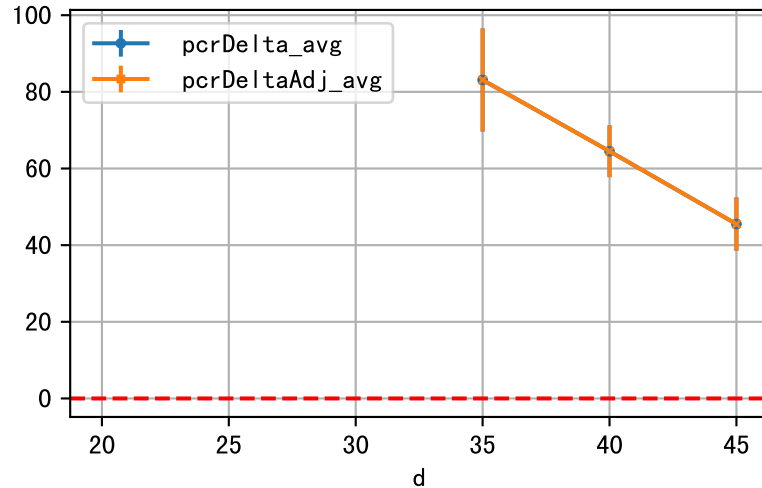


DeltaTypeAbbr=GrpByAge

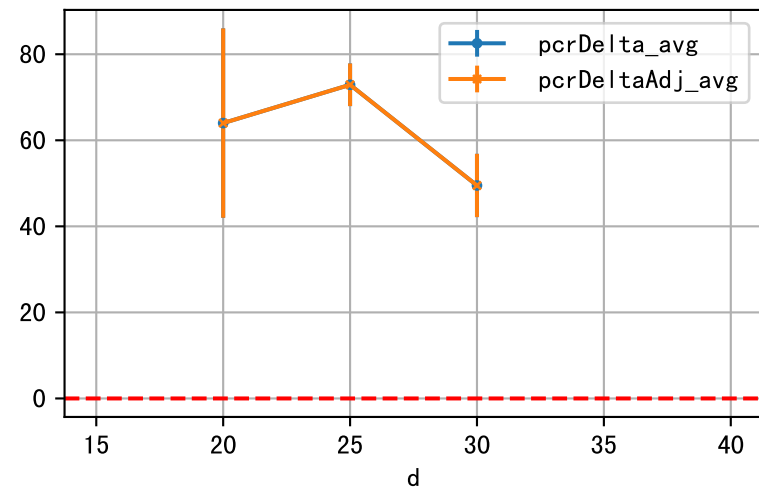


P9AW NdD: D_15d_NdD

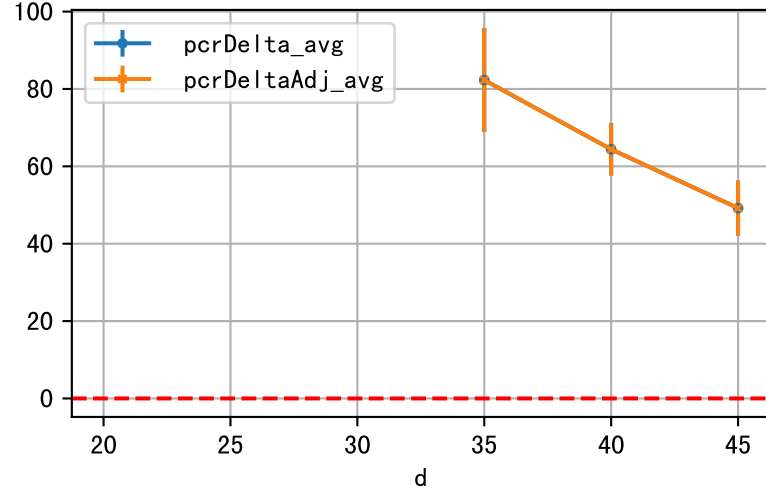
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

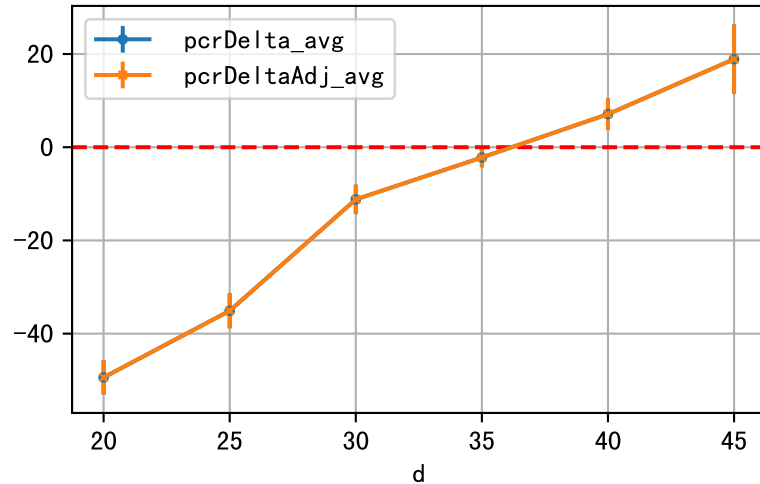


DeltaTypeAbbr=Wei AvgByD

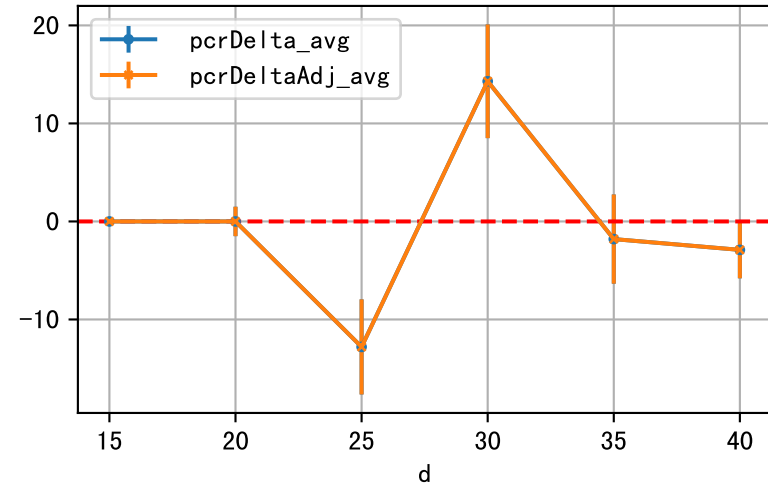


P9AW NdD: D_Q50_NdD

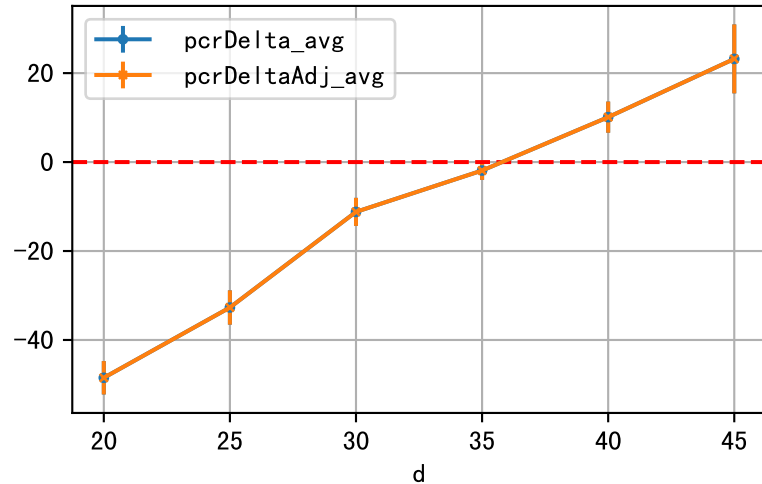
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=WeiAvgByD

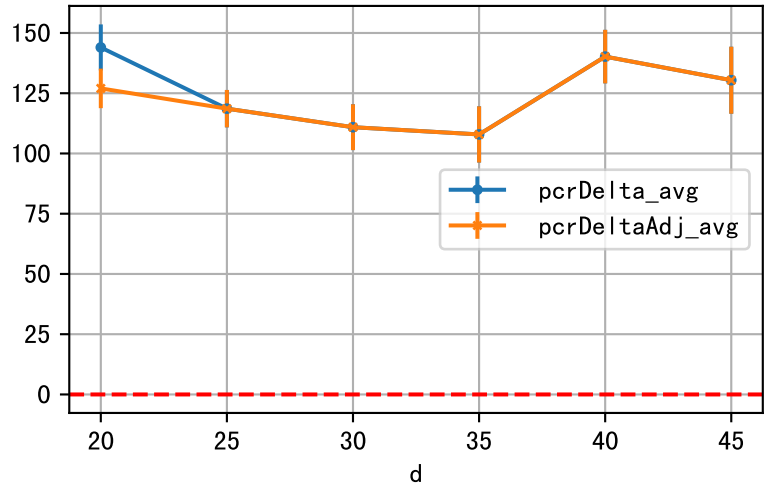
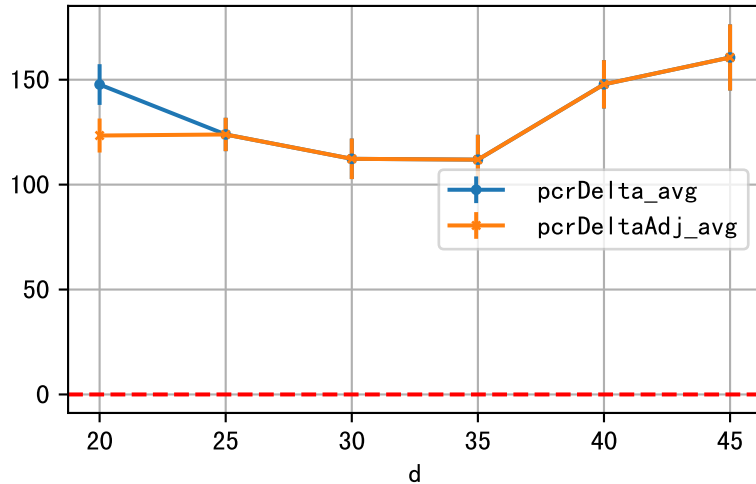
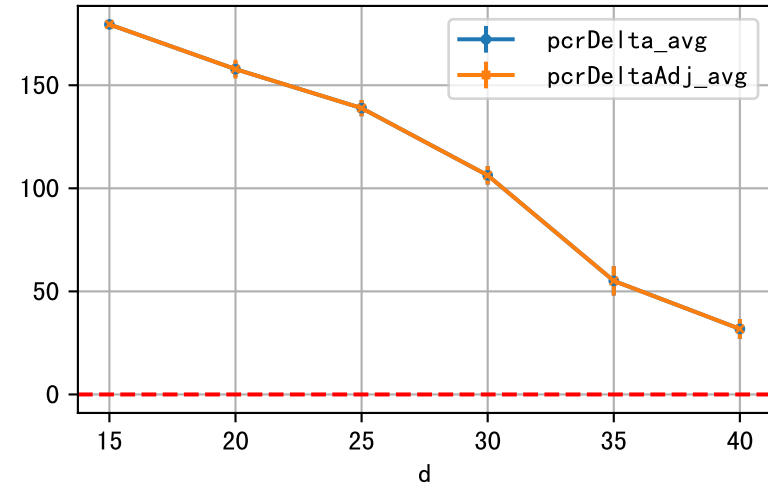


P9AW NdD: D_Est_NdD

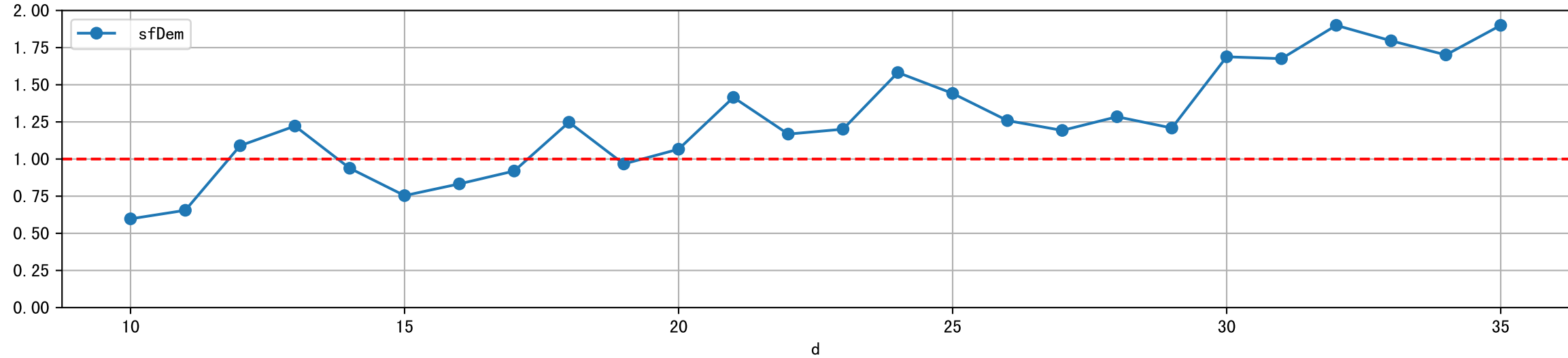
DeltaTypeAbbr=GrpByAge

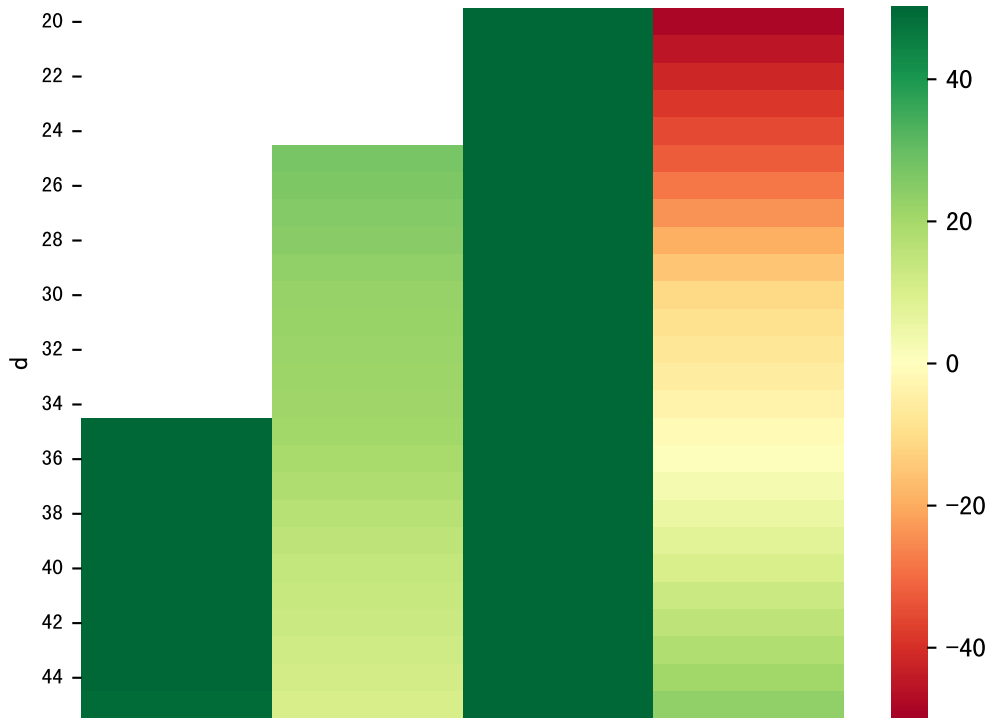
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

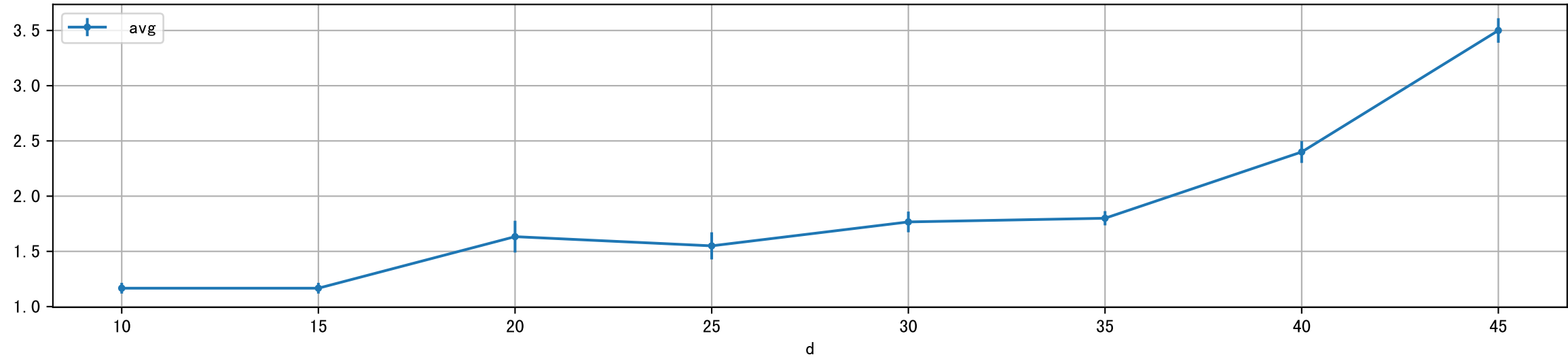


NdD: sfDem

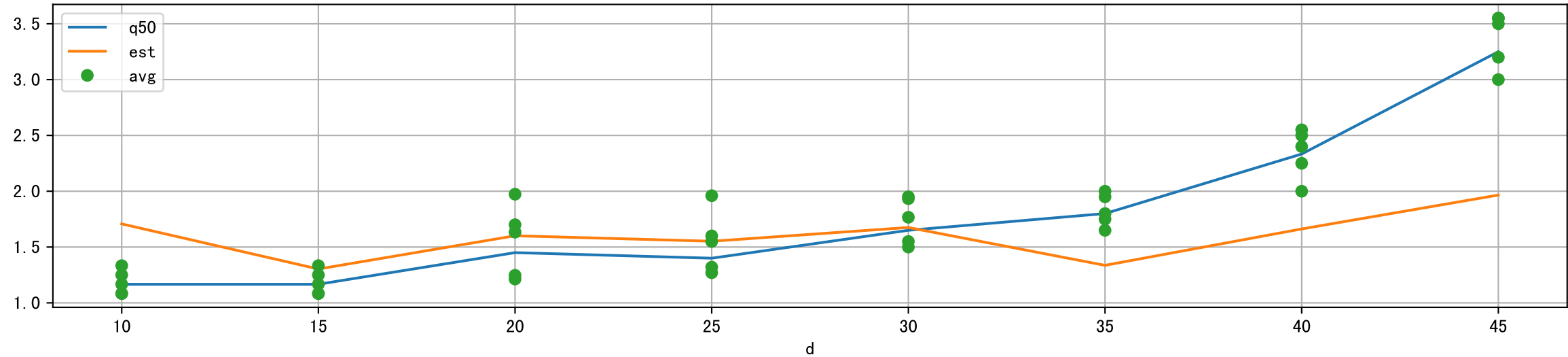




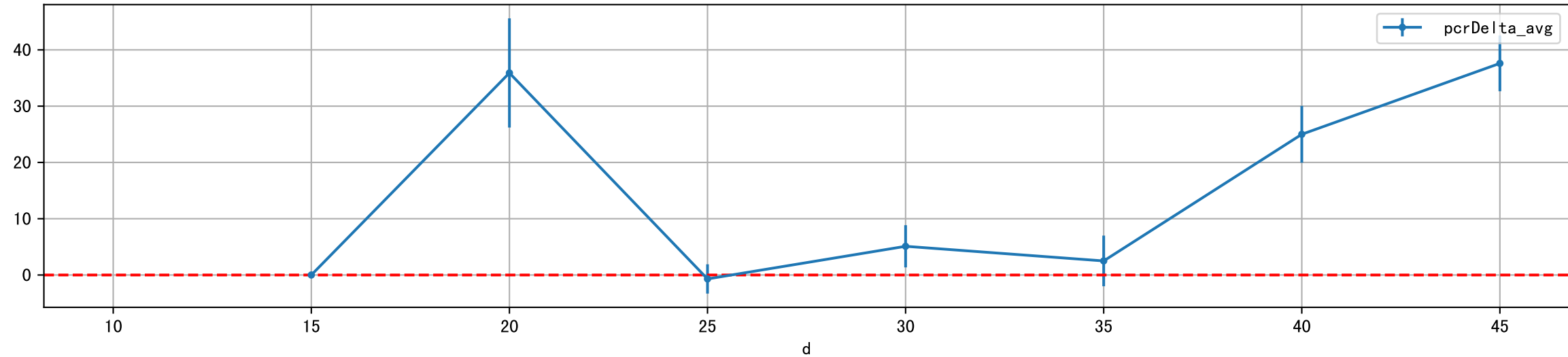
dStH: avg vs. d



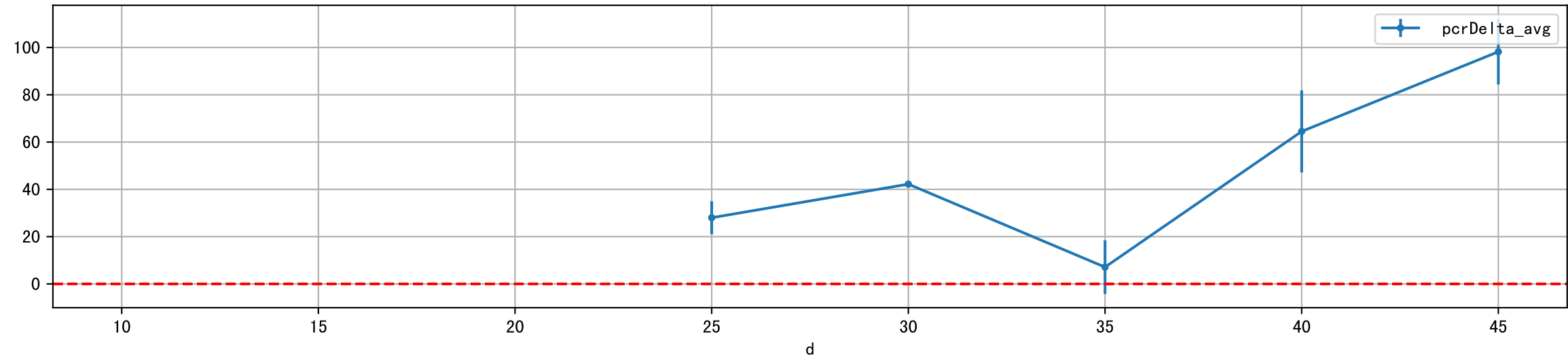
dStH: obsAvg vs obs0v@Q50



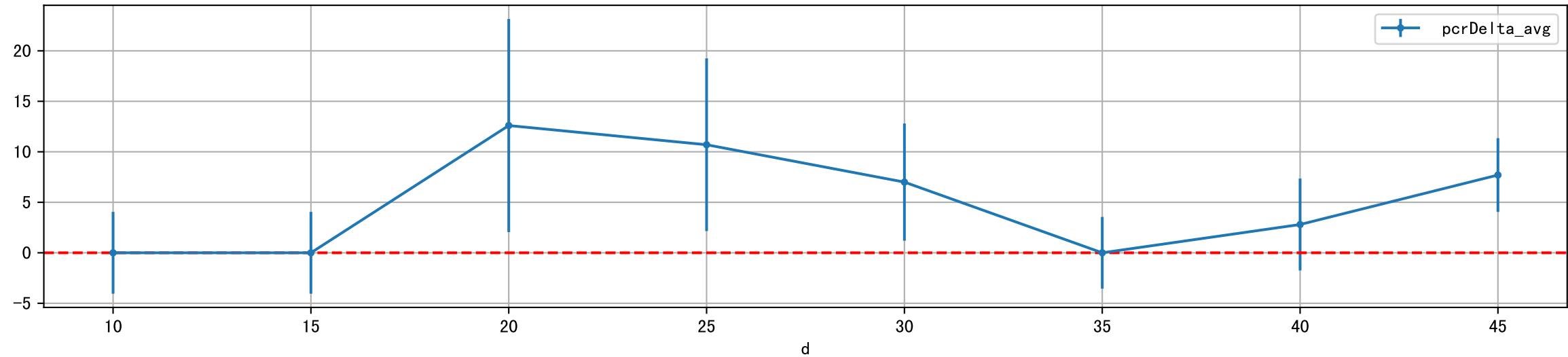
dStH: D_5d_StH



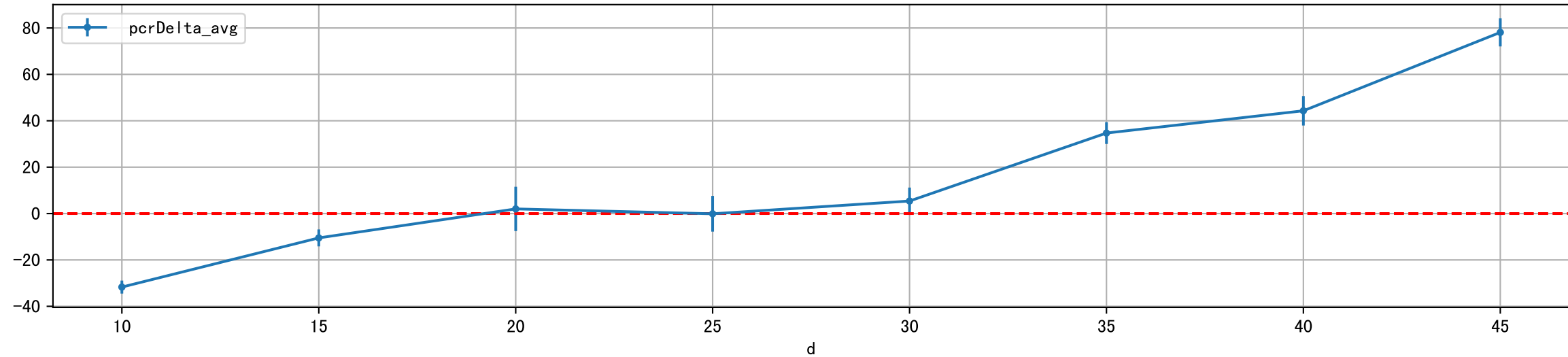
dStH: D_15d_StH



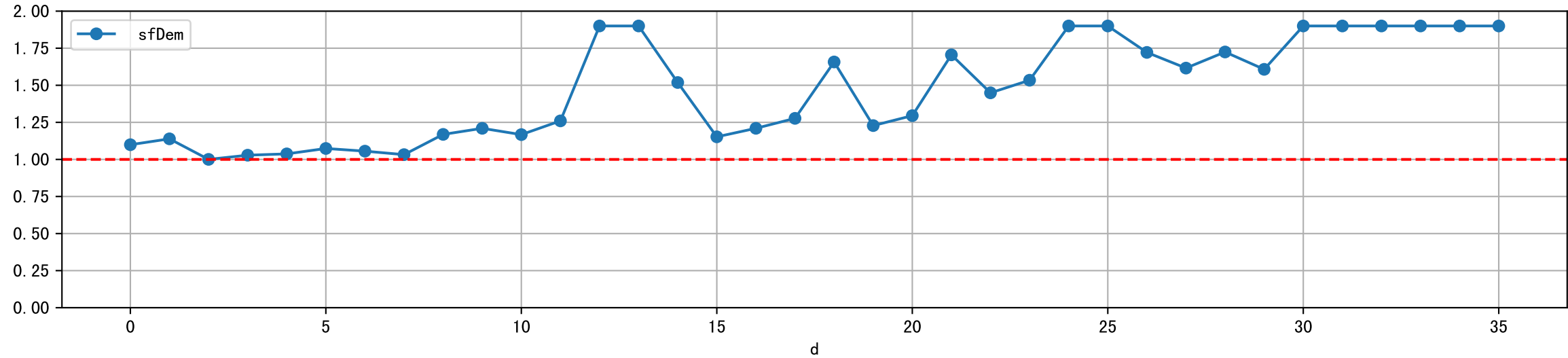
dStH: D_Q50_StH



dStH: D_Est_StH



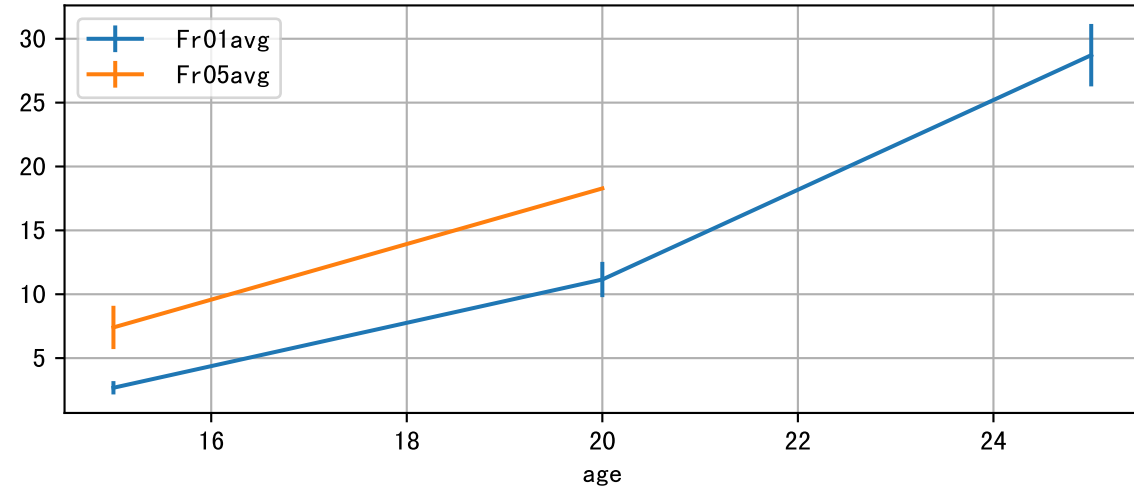
dStH: sfDem



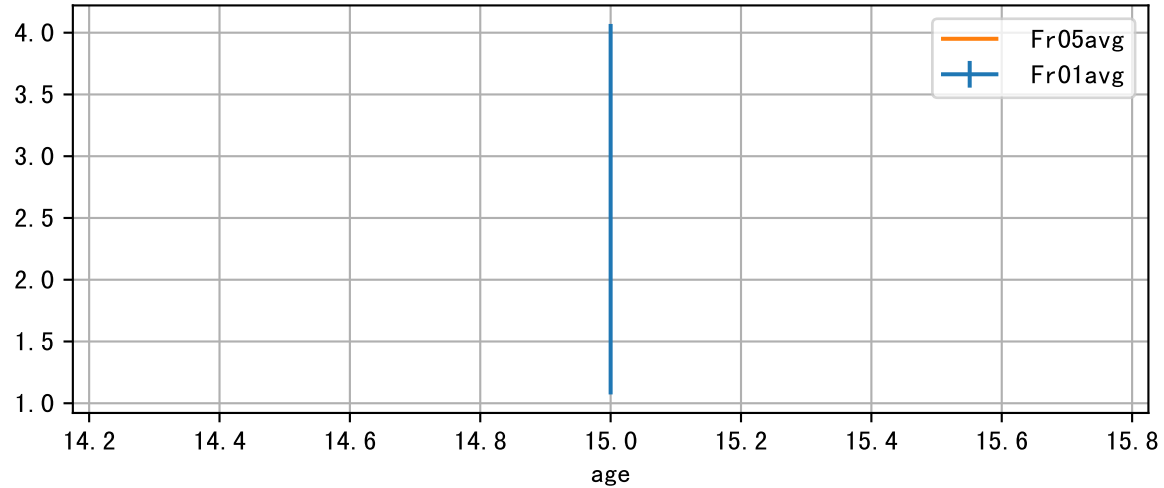


FrV: Fr01 vs Fr05 at each truss

organID=T01

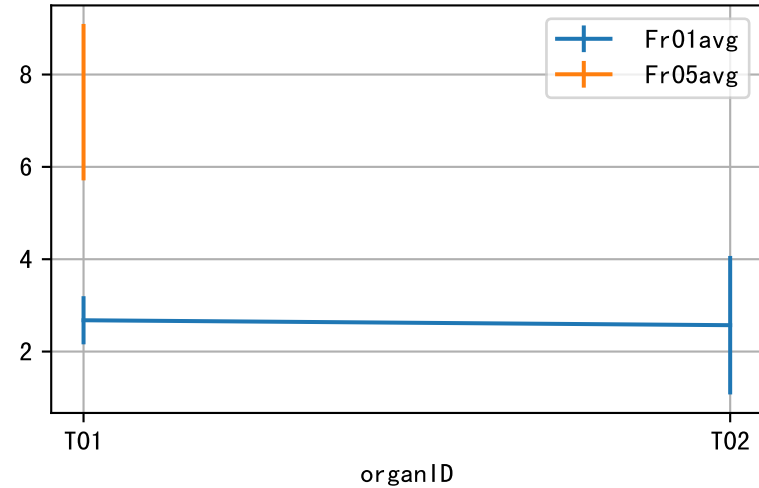


organID=T02

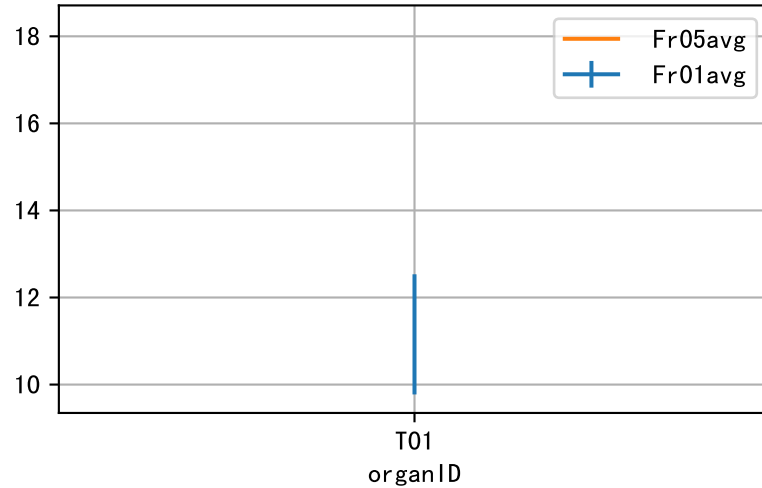


FrV trend at each age

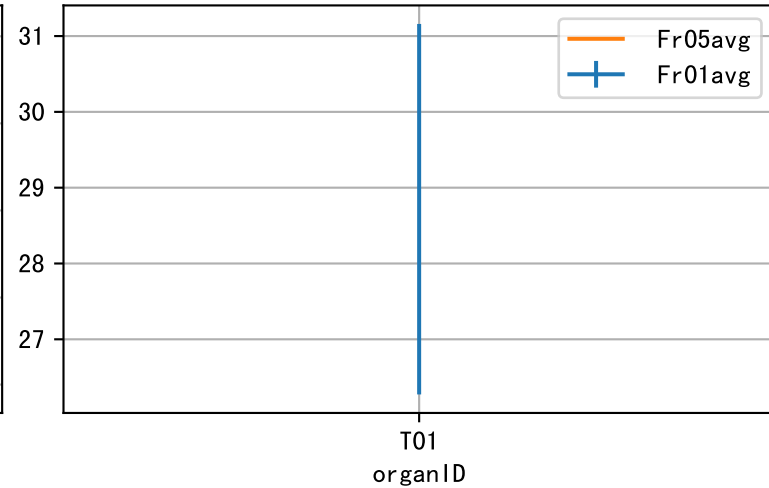
age=15



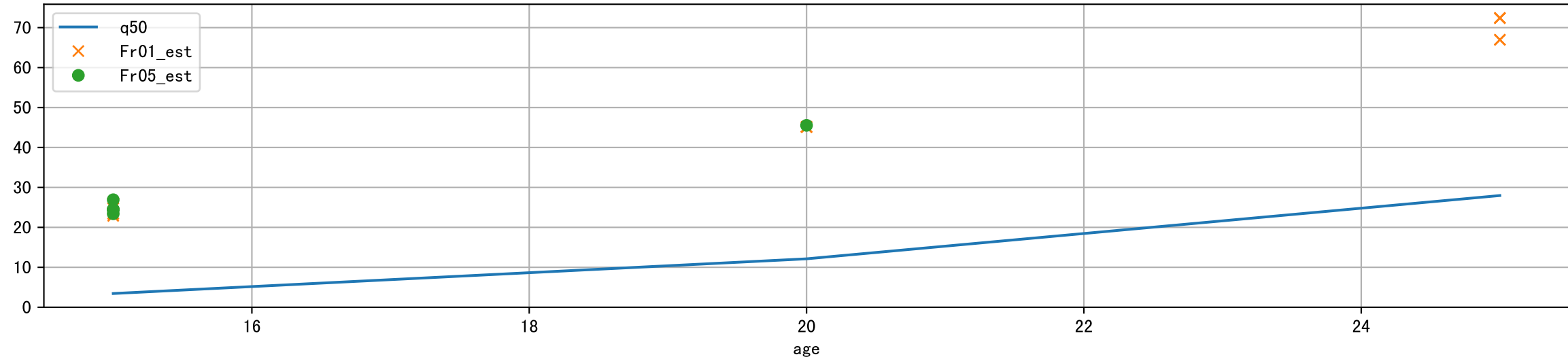
age=20



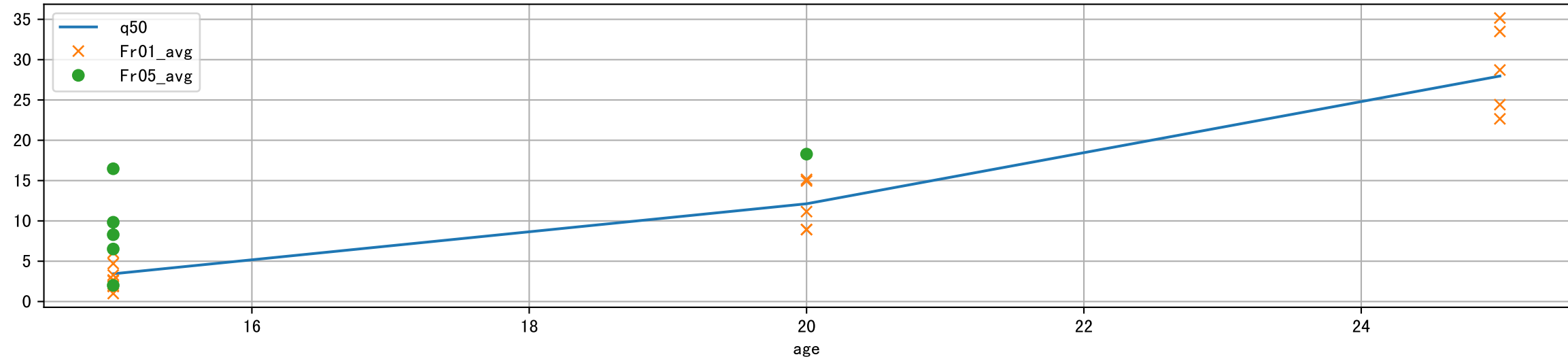
age=25



FrV: model Est vs obsFrV at Q90

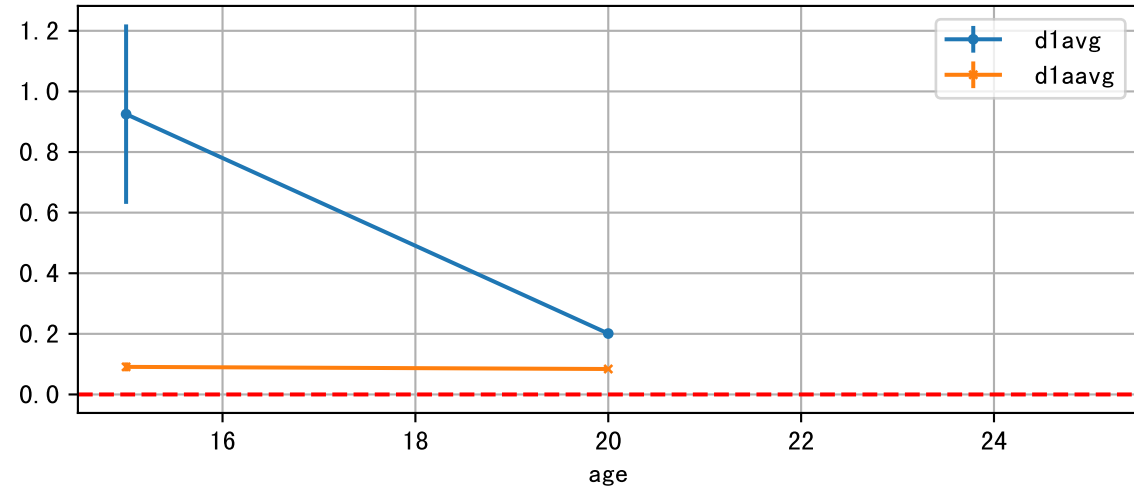


FrV: obsFrV vs obsFrV@Q90

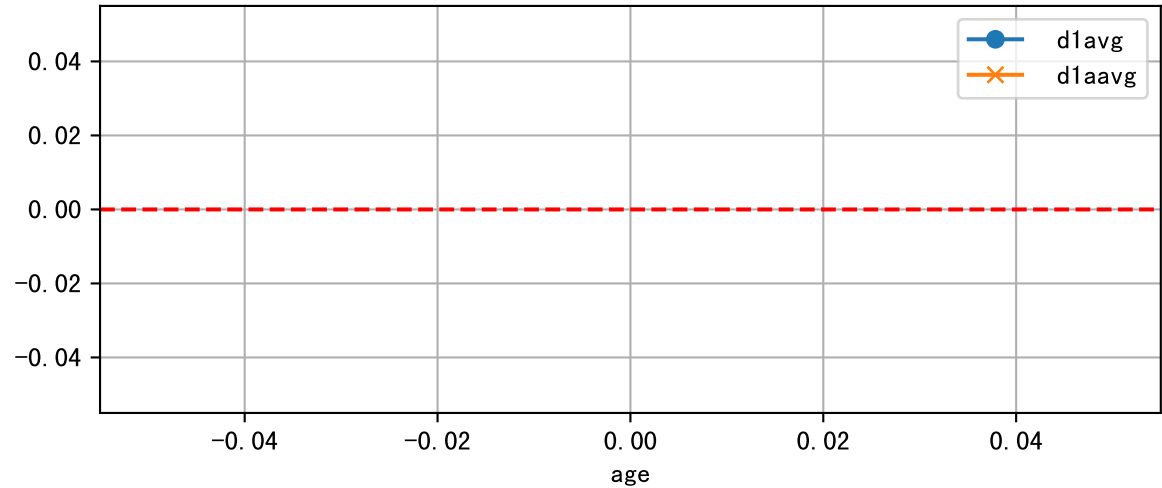


FrV: D_Fr1_FrV

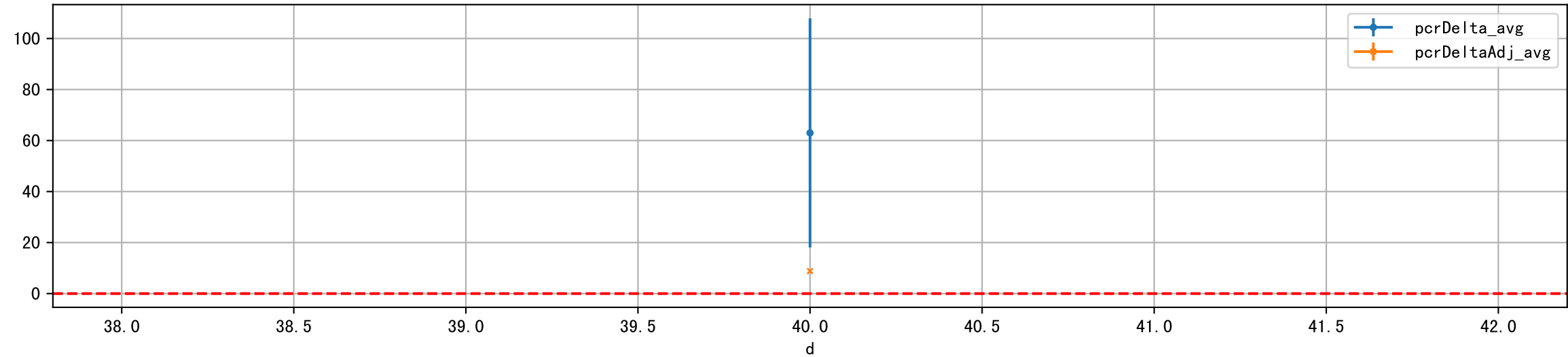
organID=1



organID=2

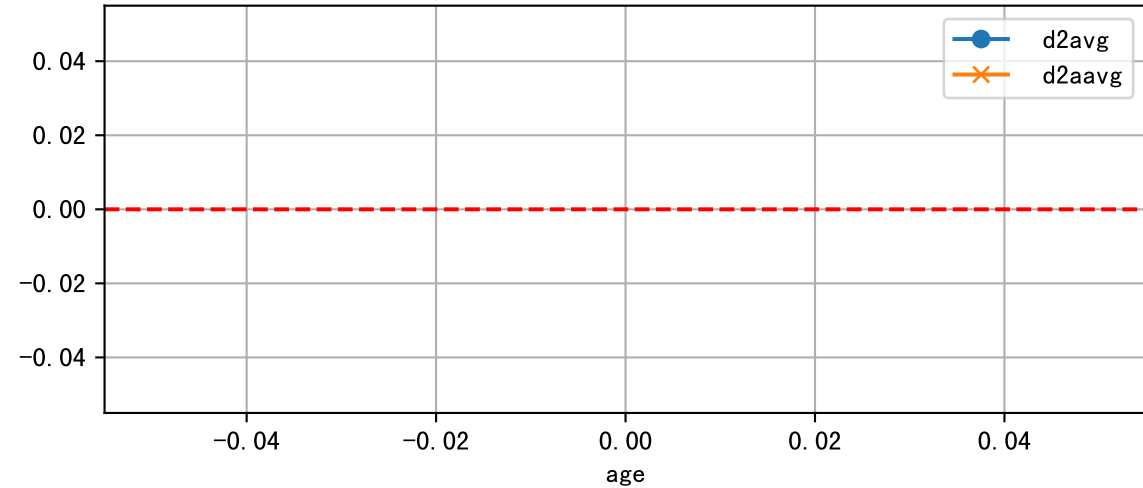


P9AW FrV: D_Fr1_FrV

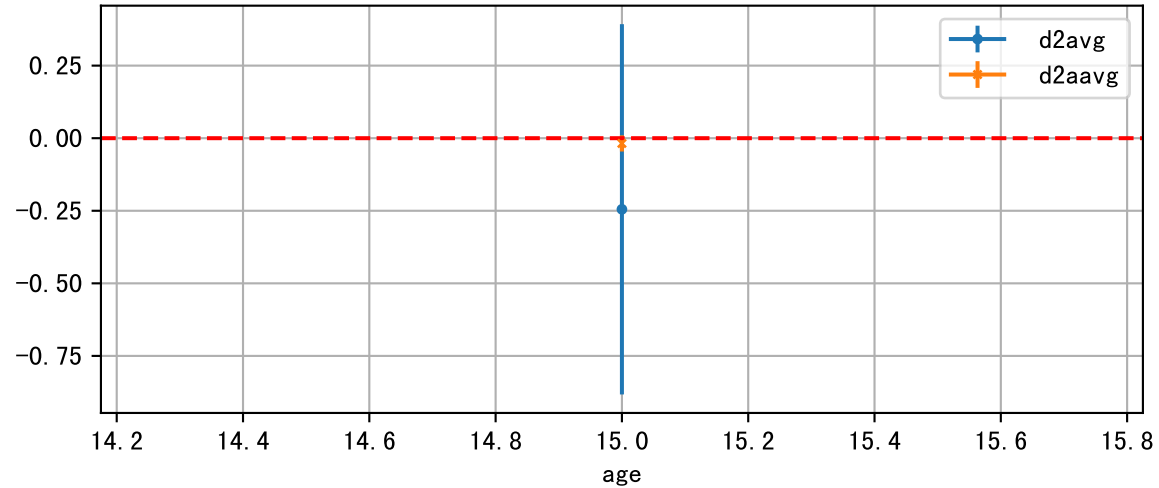


FrV: D_Ts_FrV

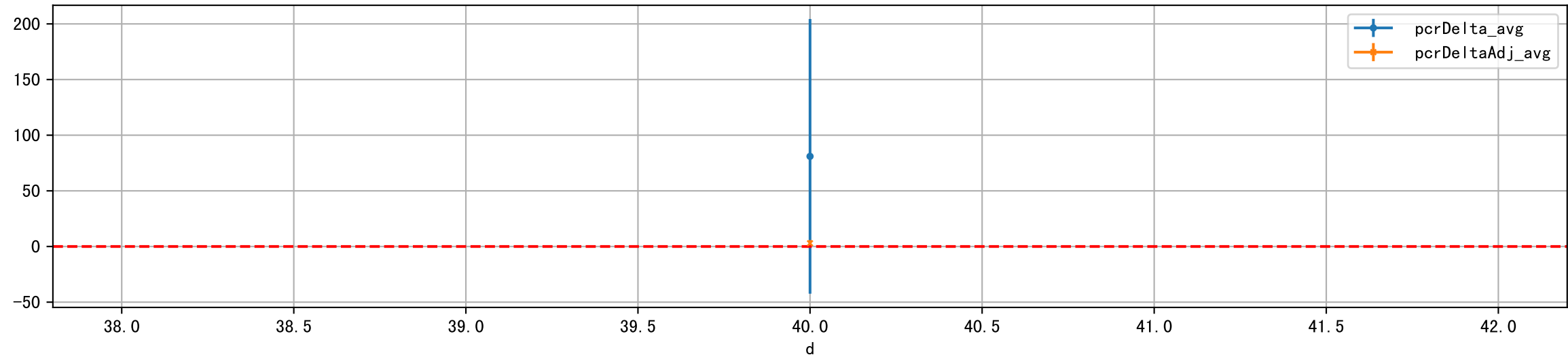
organID=1



organID=2

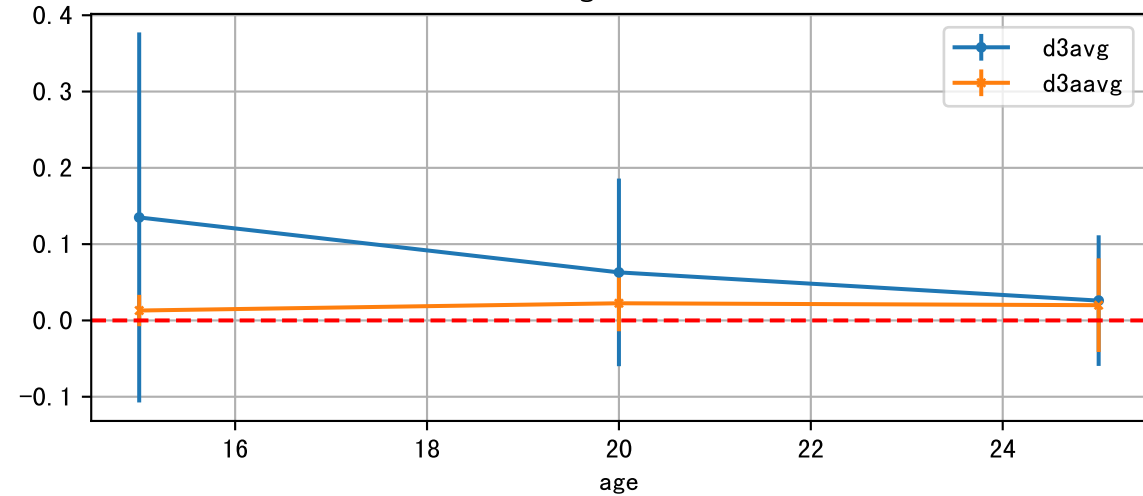


P9AW FrV: D_Ts_FrV

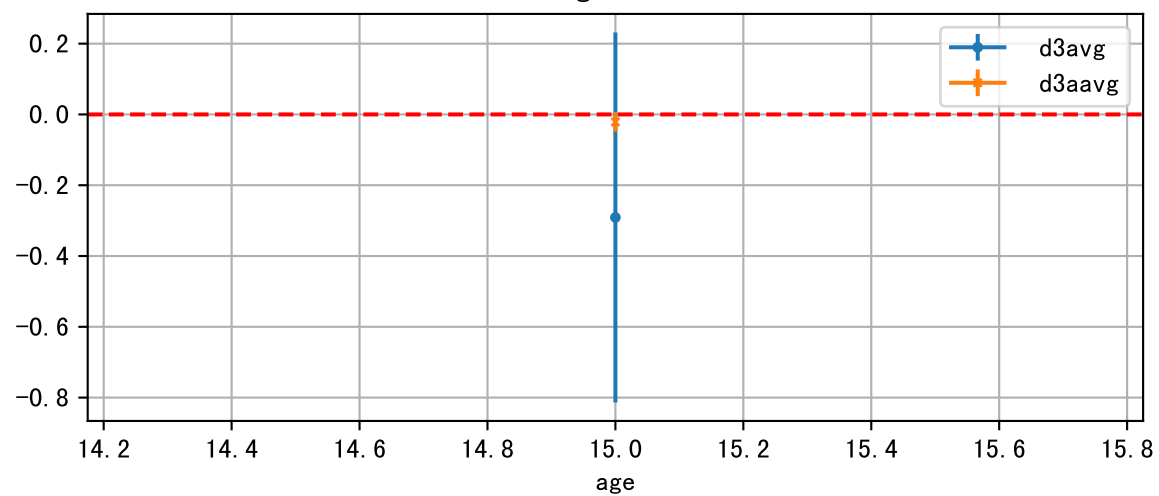


FrV: D_Q50_FrV

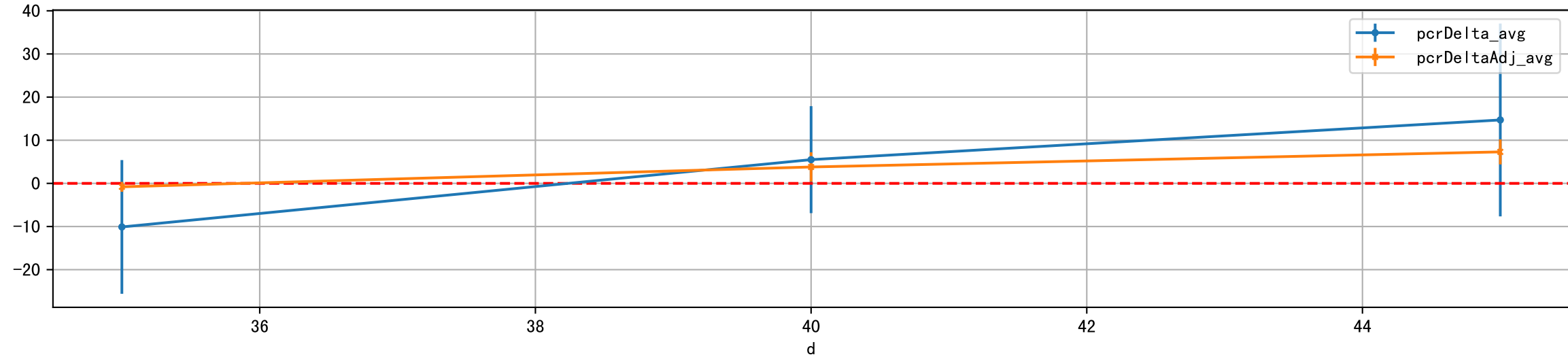
organID=1



organID=2

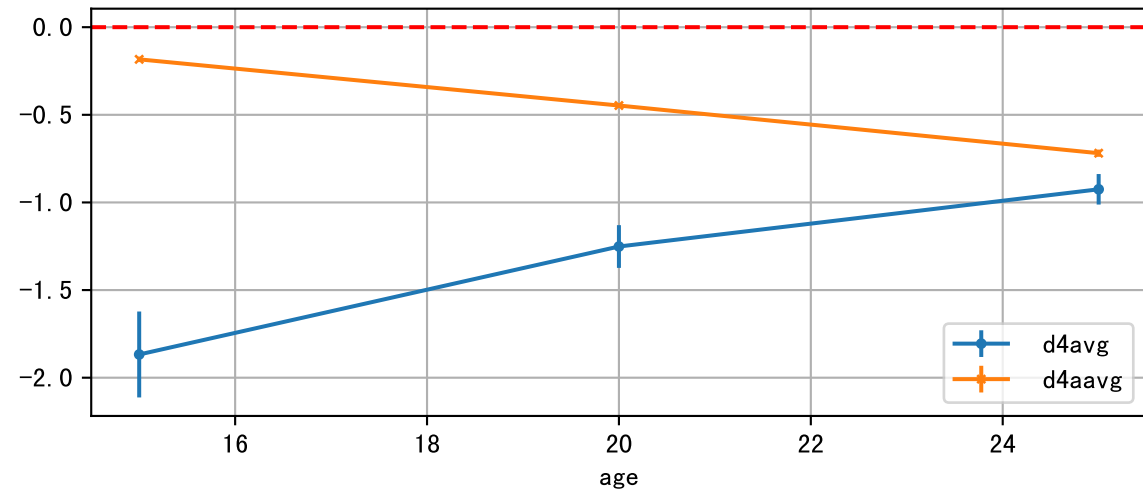


P9AW FrV: D_Q50_FrV



FrV: D_Est_FrV

organID=1



organID=2

