

Phenotype Data Analysis Plots

PhenoData day range = 5 - 37

Analysis cutoff day = 37

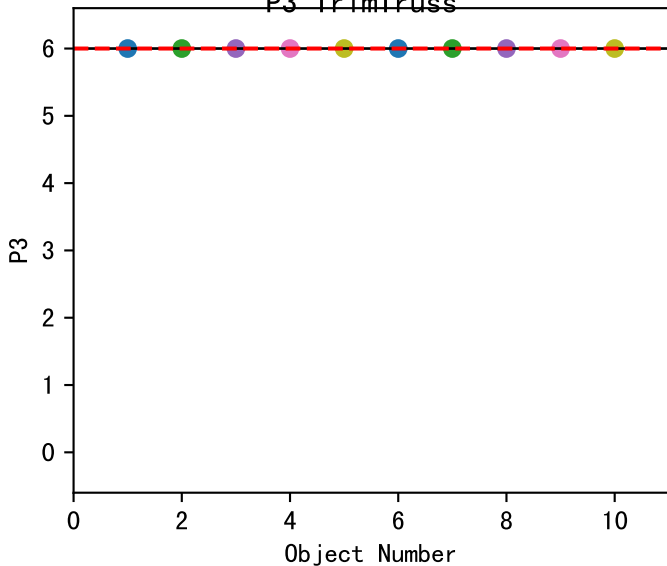
NC11 P3

2025-05-13 (Day 38)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

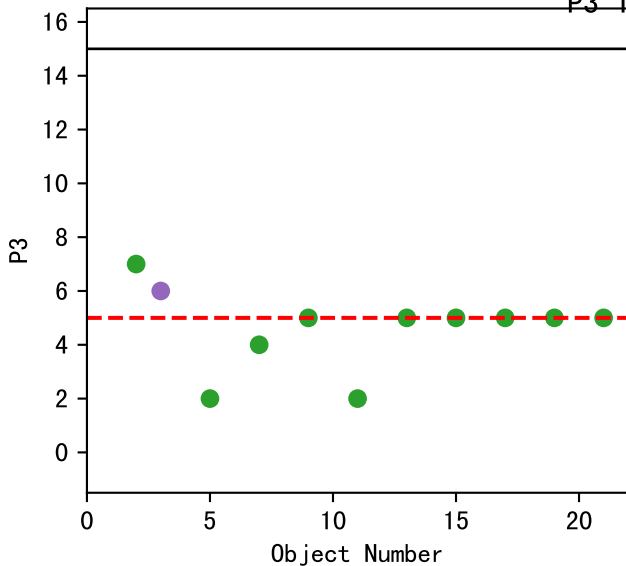
P3 TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

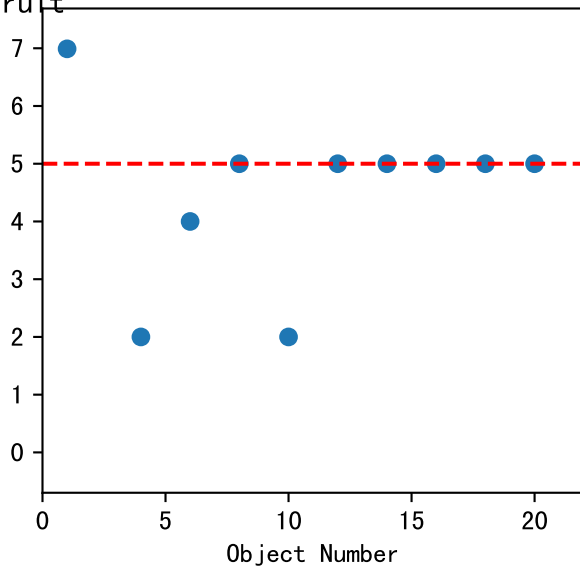
avg1=5.0~8% avg2=na

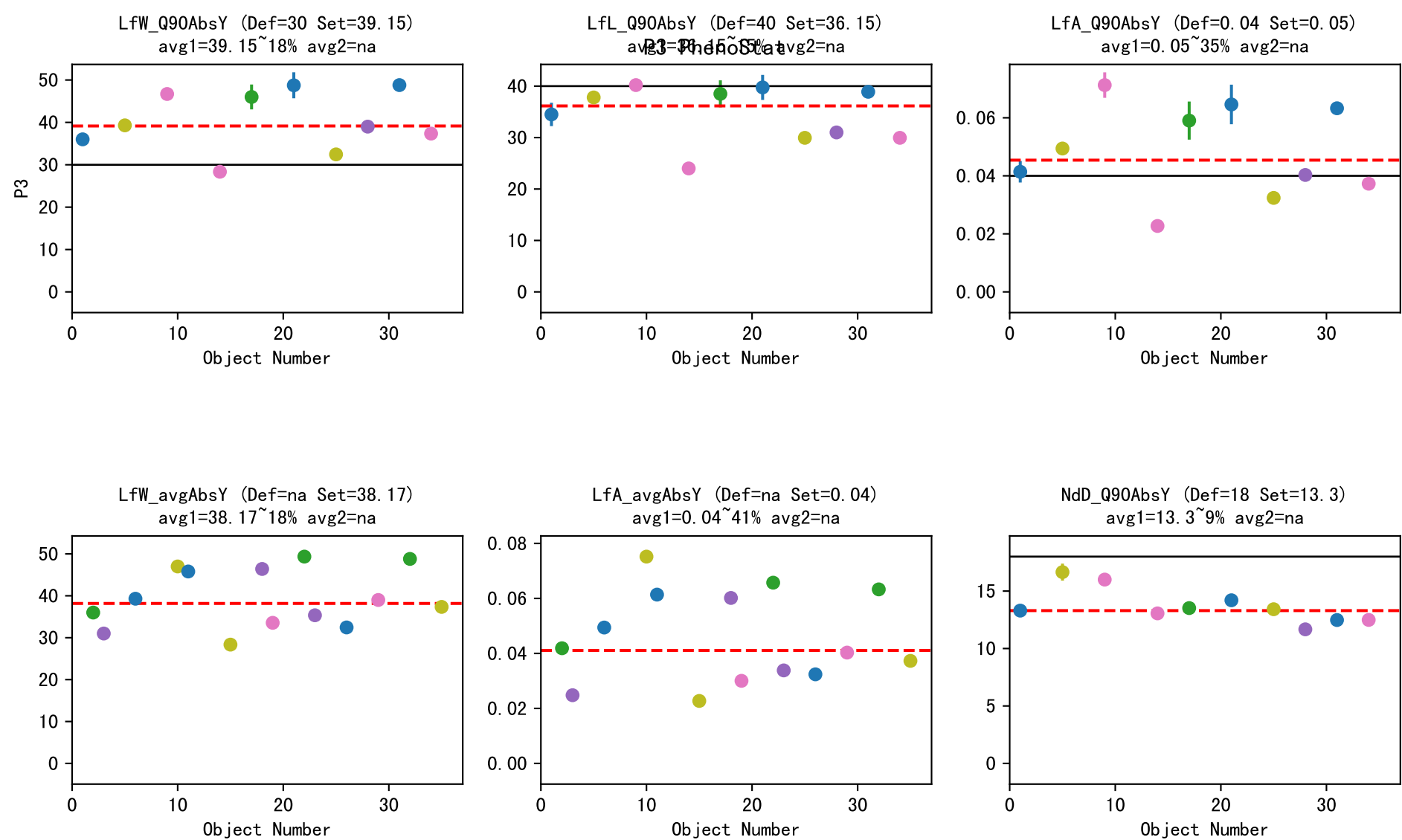
P3 TrimFruit



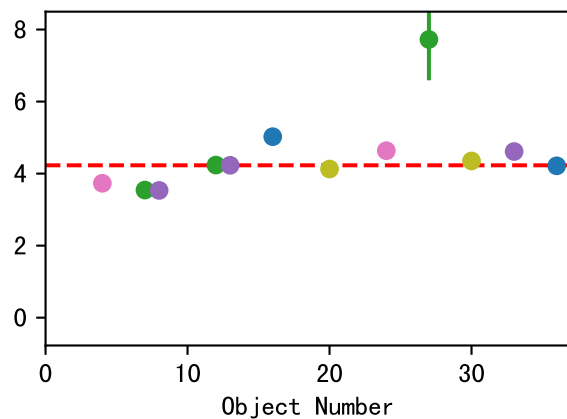
FruitNumMaxPerTruss (Def=na Set=5)

avg1=5.0~8% avg2=na

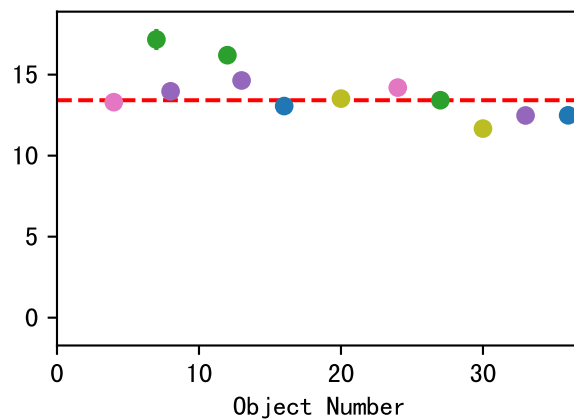




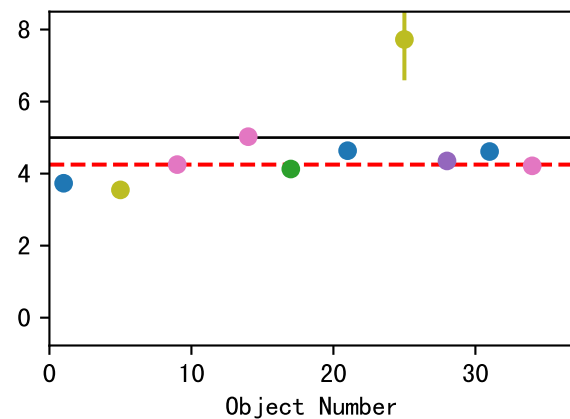
NdL_avgAbsY (Def=na Set=4.23)
avg1=4.23~11% avg2=na



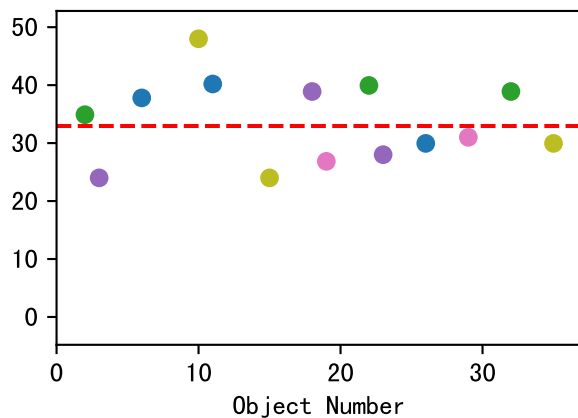
NdD_avgAbsY (Def=na Set=13.42)
avg1=13.42~9% avg2=na



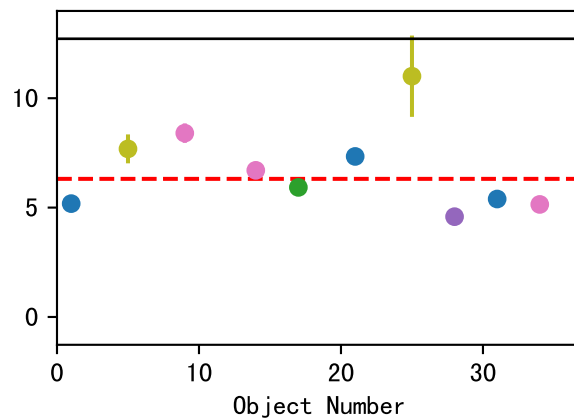
NdL_Q90AbsY (Def=5 Set=4.25)
avg1=4.25~11% avg2=na



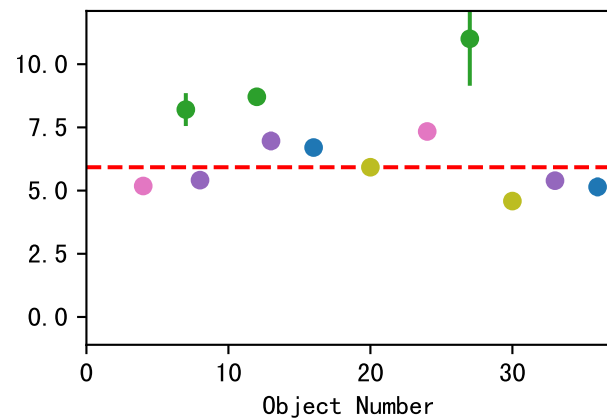
LfL_avgAbsY (Def=na Set=32.95)
avg1=32.95~22% avg2=na



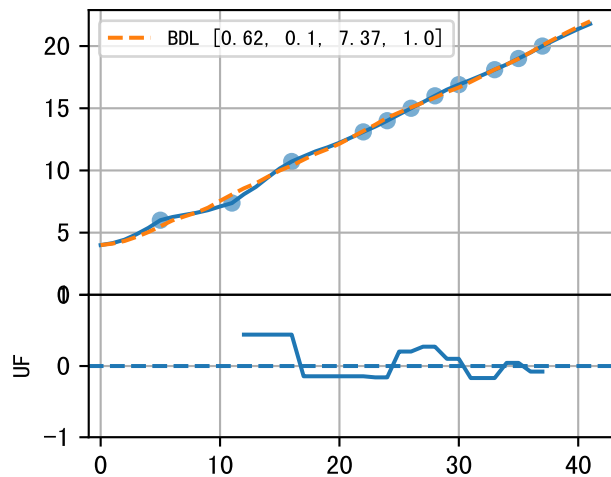
NdV_Q90AbsY (Def=12.72 Set=6.31)
avg1=6.31~31% avg2=na



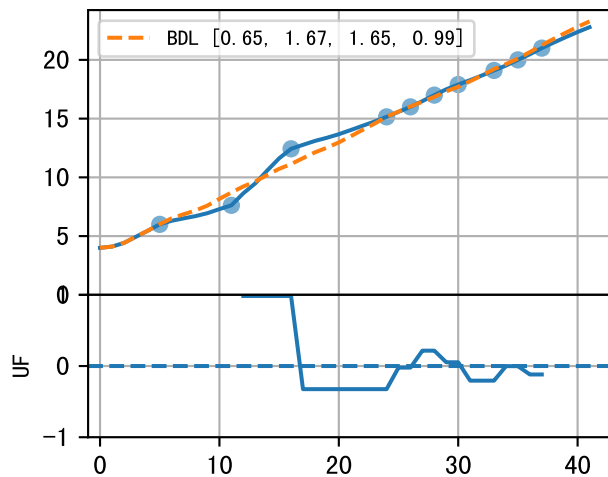
NdV_avgAbsY (Def=na Set=5.92)
avg1=5.92~23% avg2=na



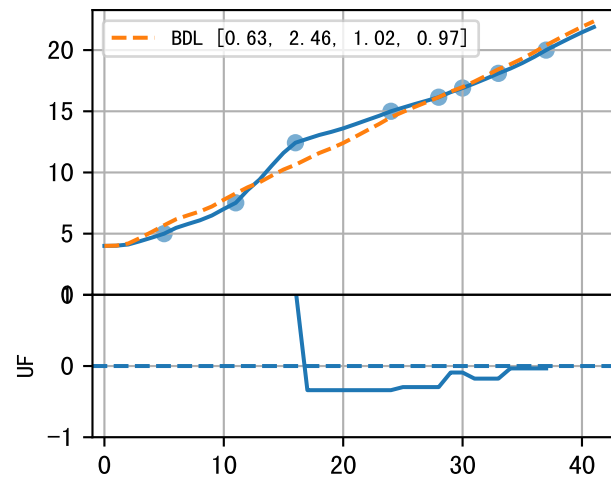
P3-009-13 (fit failed)



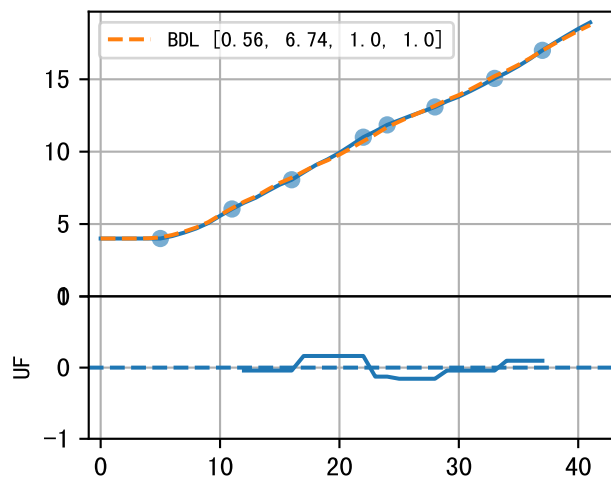
P3-021-19 (fit failed)



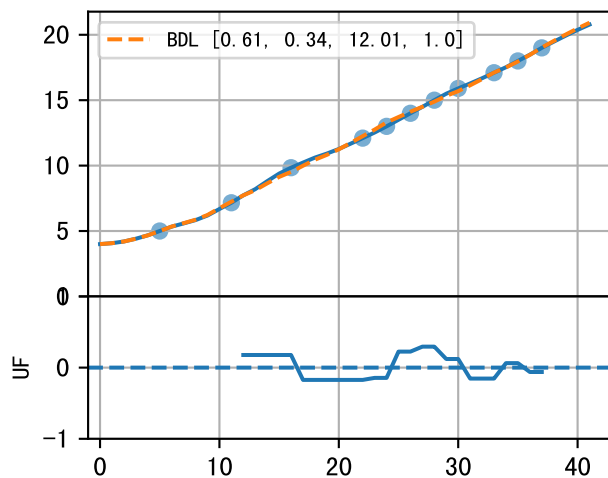
P3-034-5 (fit failed)



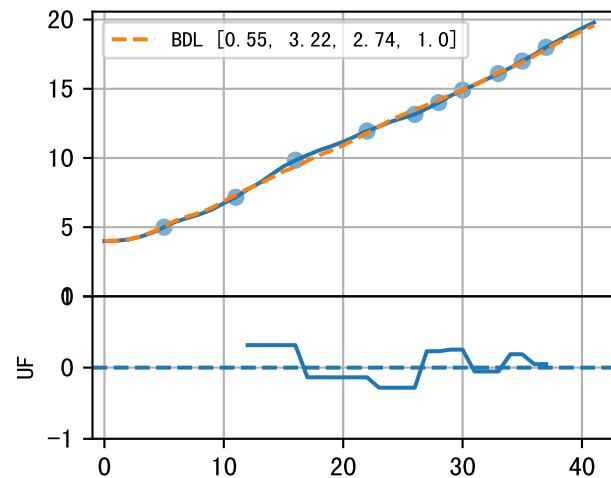
P3-045-17 (fit failed)



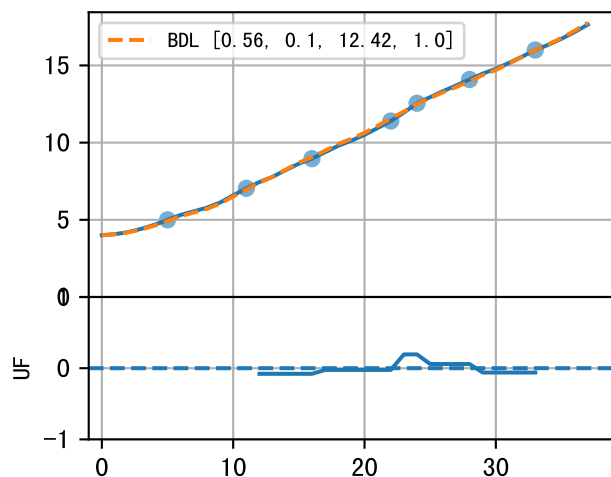
P3-054-28 (fit failed)



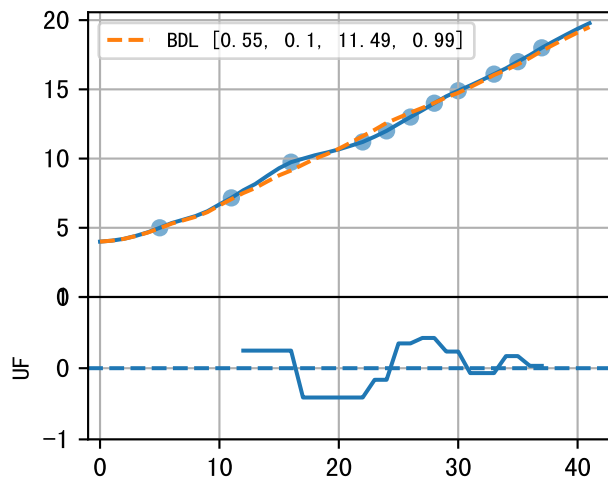
P3-068-4 (fit failed)



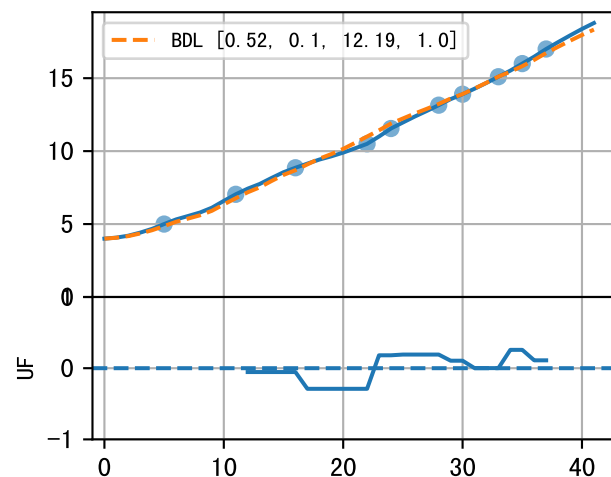
P3-075-19 (fit failed)



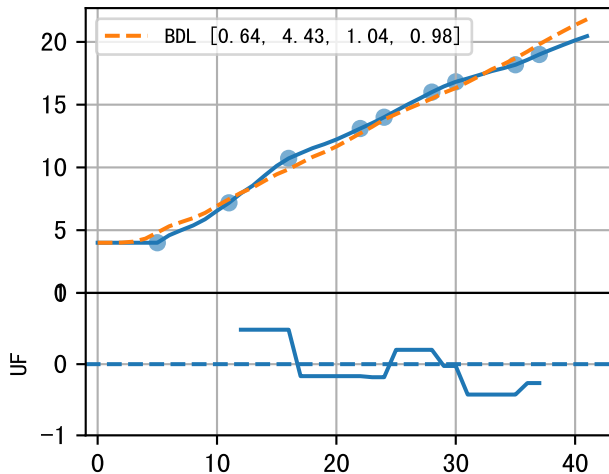
P3-084-11 (fit failed)



P3-099-4 (fit failed)



P3-110-23 (fit failed)

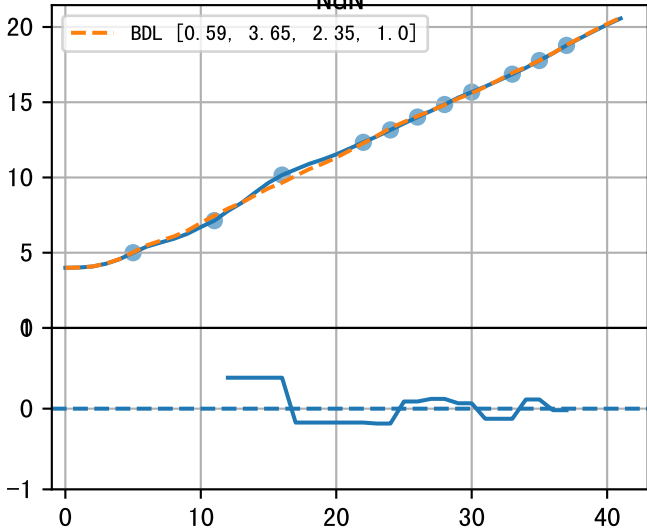


P3avg (fit failed)

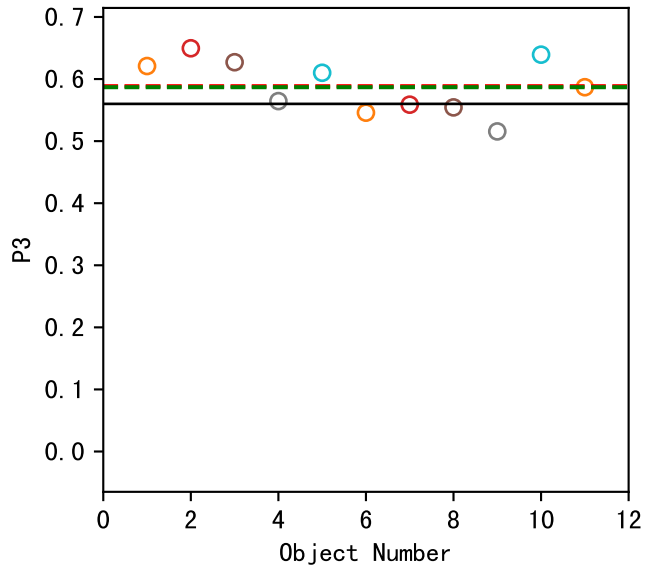
NdN

BDL [0.59, 3.65, 2.35, 1.0]

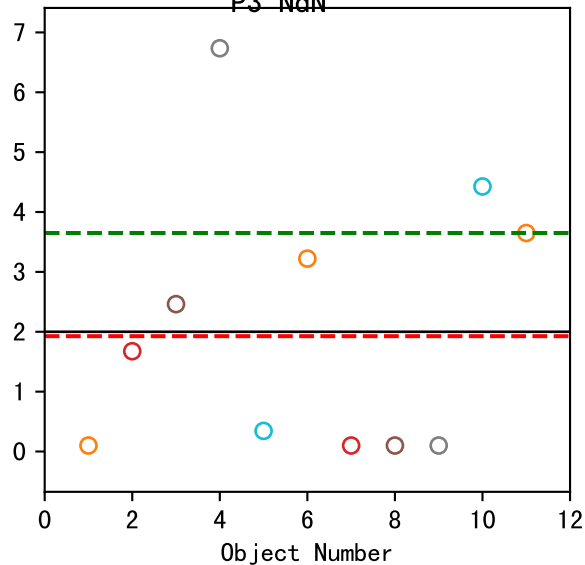
UF



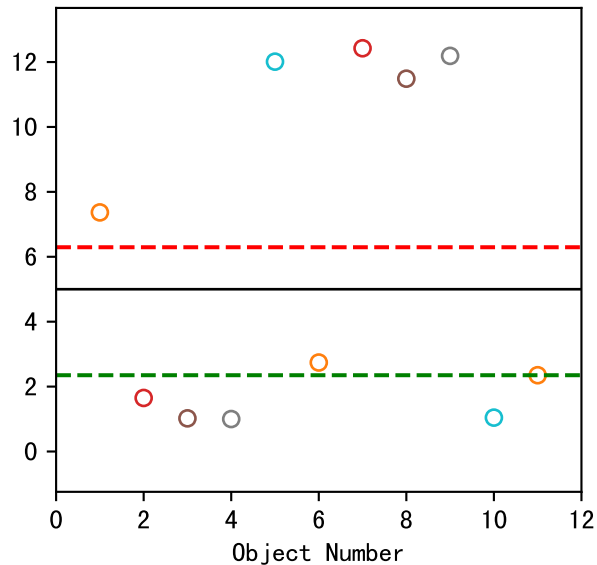
a (Def=0.56 Set=0.59)
avg1=0.59(fail) avg2=0.59



dm (Def=2 Set=3.65)
avg1=1.93(fail) avg2=3.65



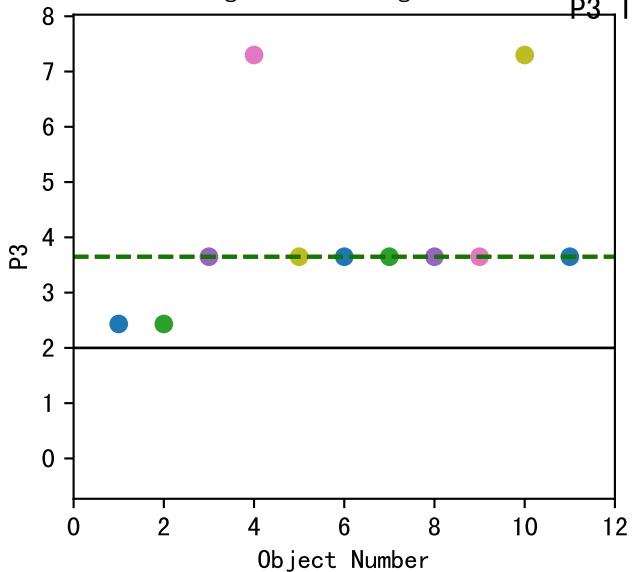
de (Def=5 Set=2.35)
avg1=6.29(fail) avg2=2.35



InitDev_dm (Def=2 Set=3.65)

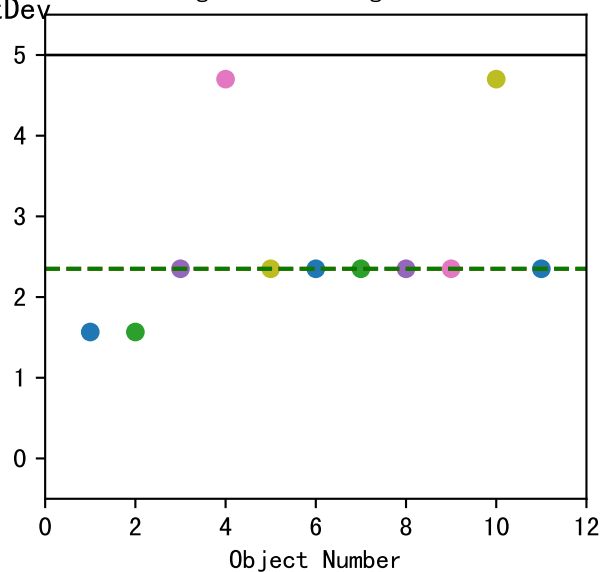
avg1=3.65~0% avg2=3.65

P3 InitDev

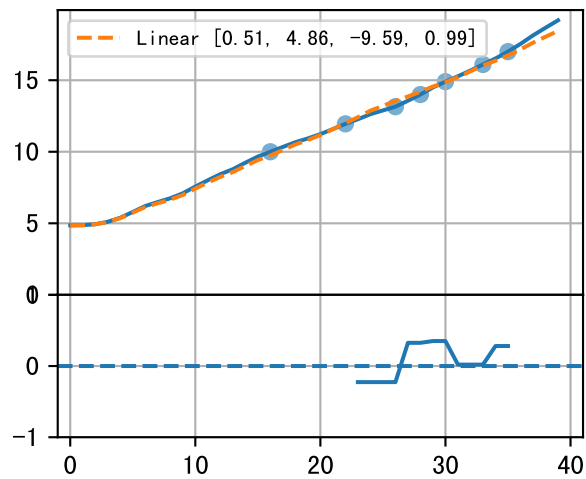


InitDev_de (Def=5 Set=2.35)

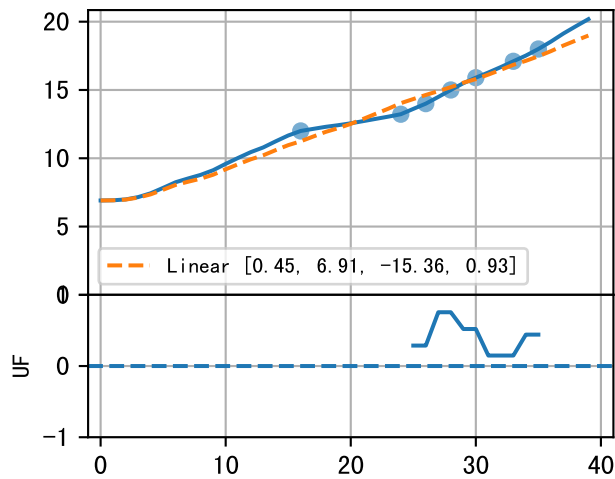
avg1=2.35~0% avg2=2.35



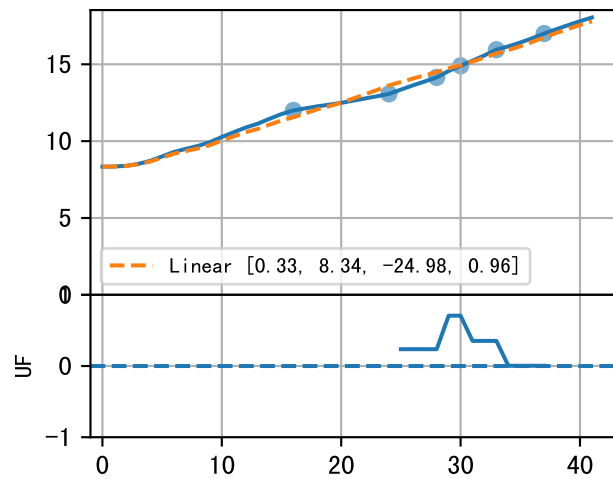
P3-009-13



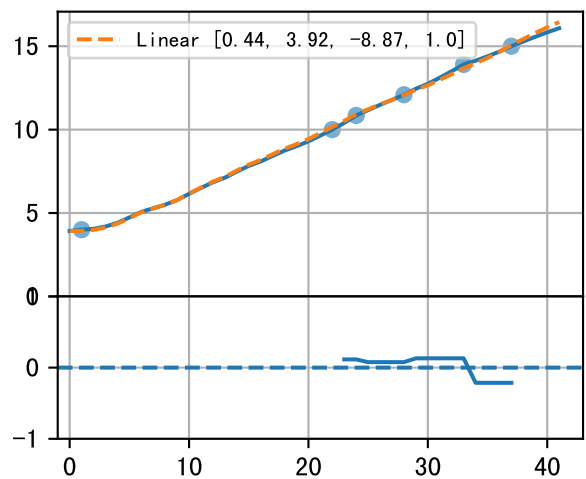
P3-021-19



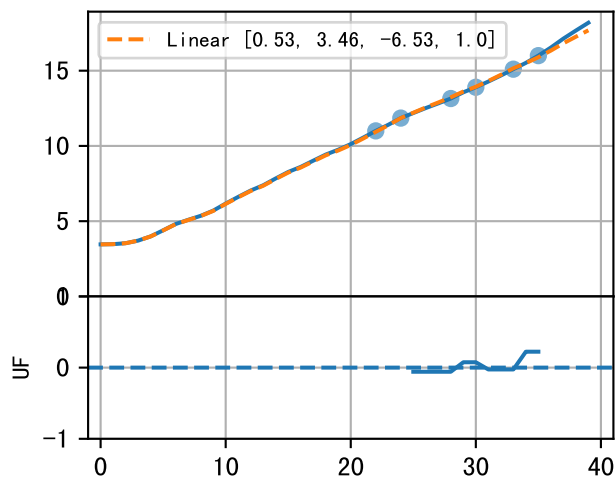
P3-034-5



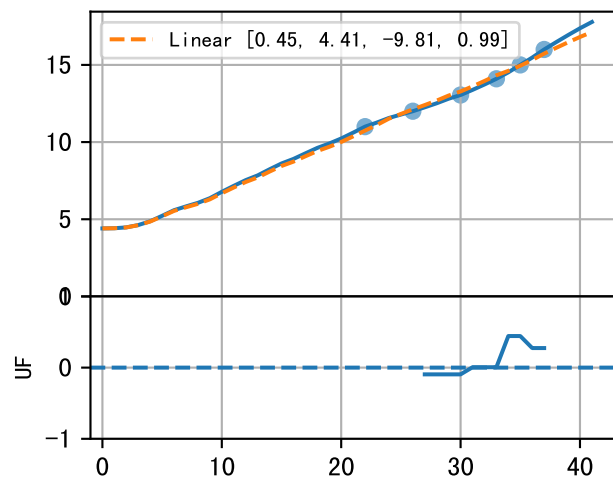
P3-045-17



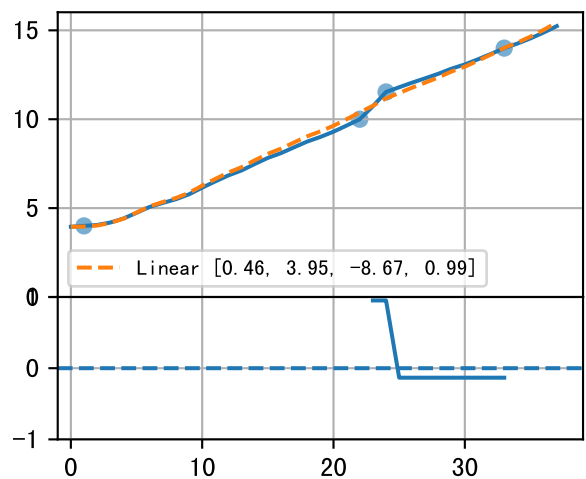
P3-054-28



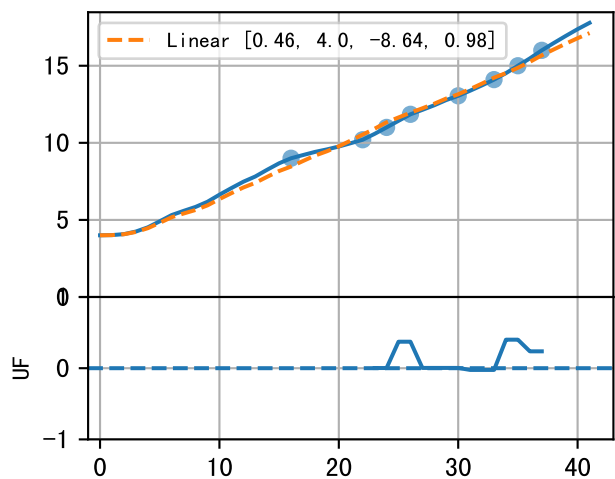
P3-068-4



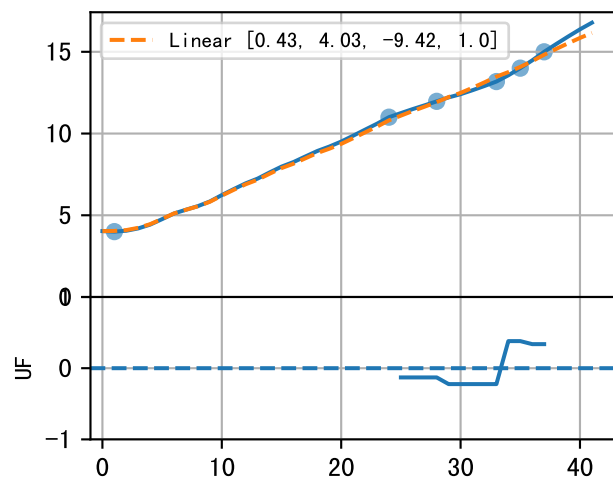
P3-075-19



P3-084-11

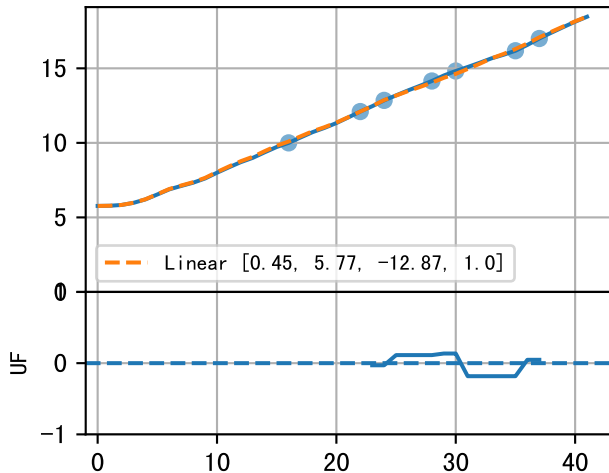


P3-099-4



P3-110-23

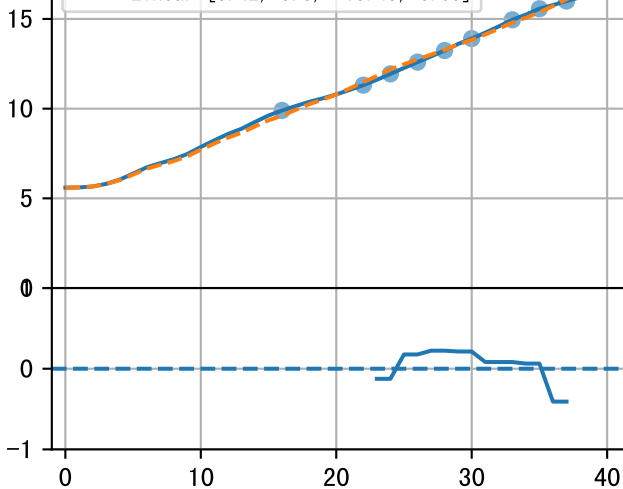
LfN



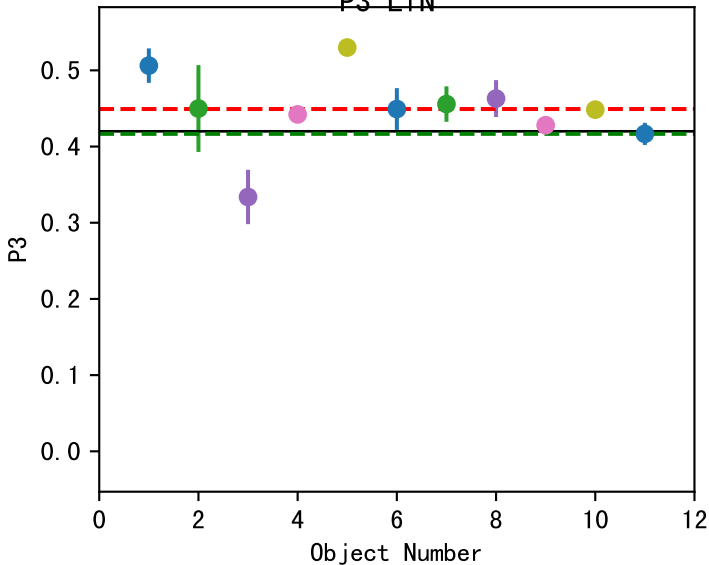
P3avg
LfN

Linear [0.42, 5.6, -13.43, 0.99]

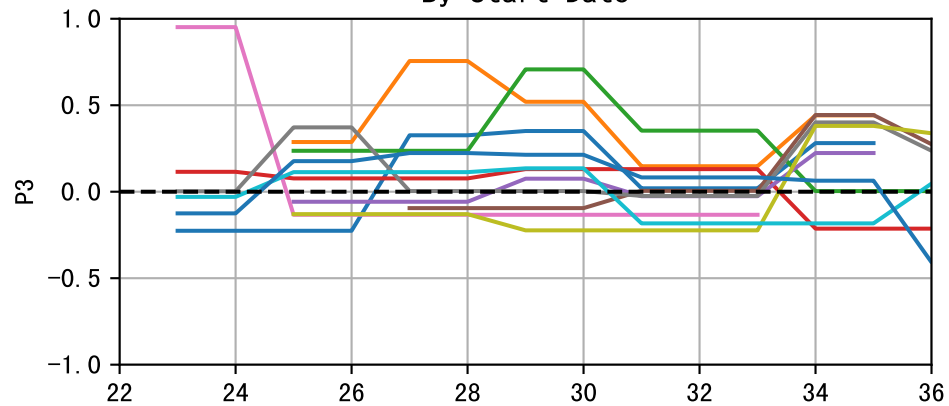
UF



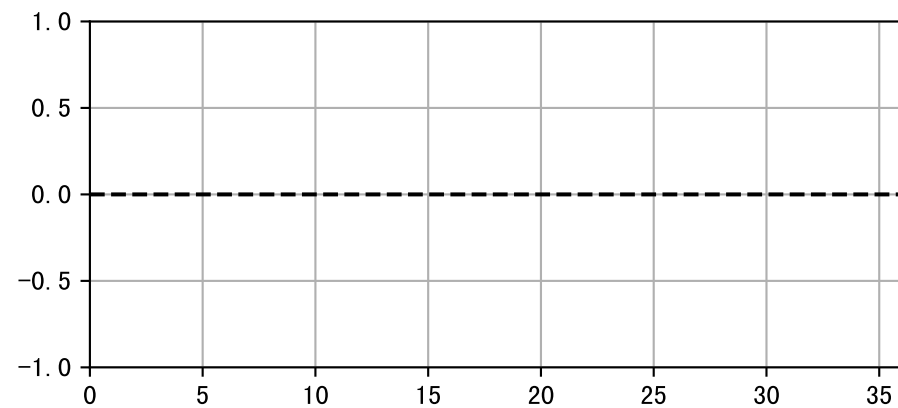
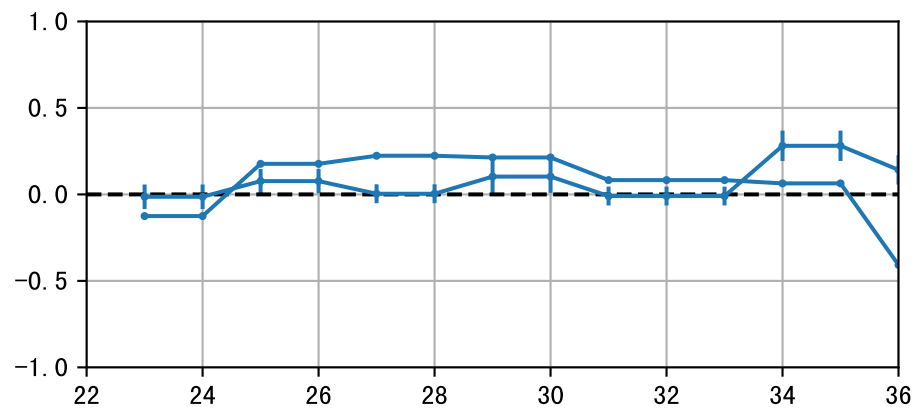
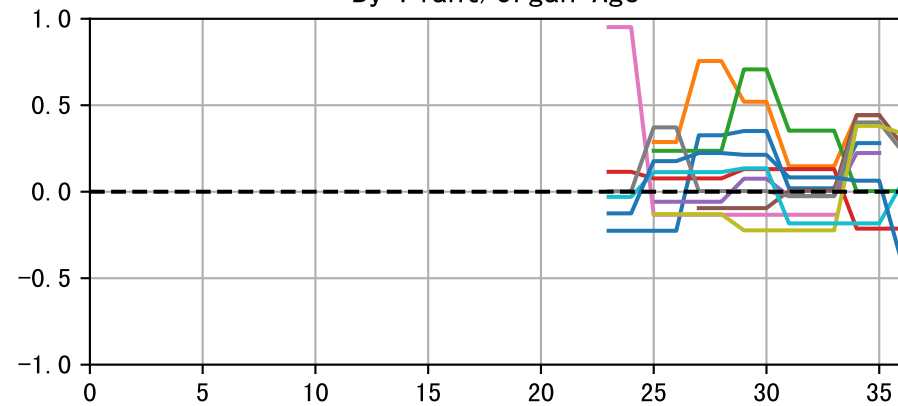
a (Def=0.42 Set=0.42)
avg1=0.45 $\sim$ 2% avg2=0.42 $\sim$ 11%
P3 LfN



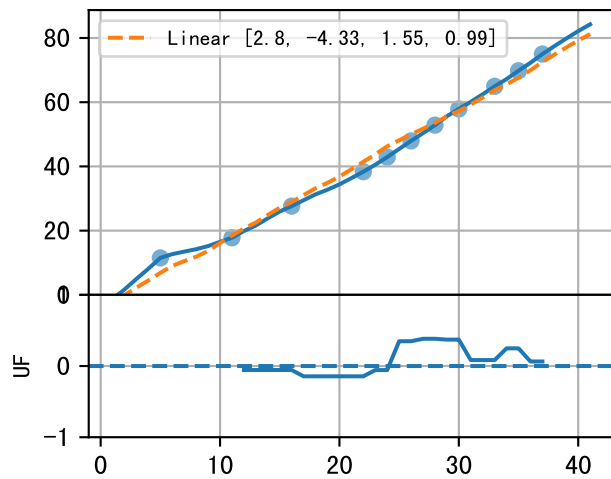
By Start Date



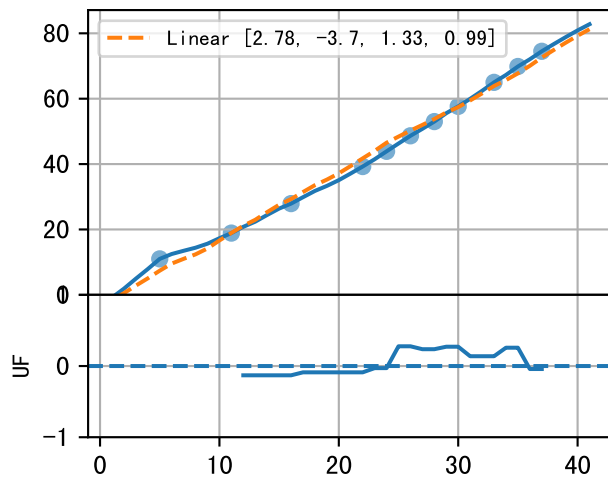
By Plant/Organ Age



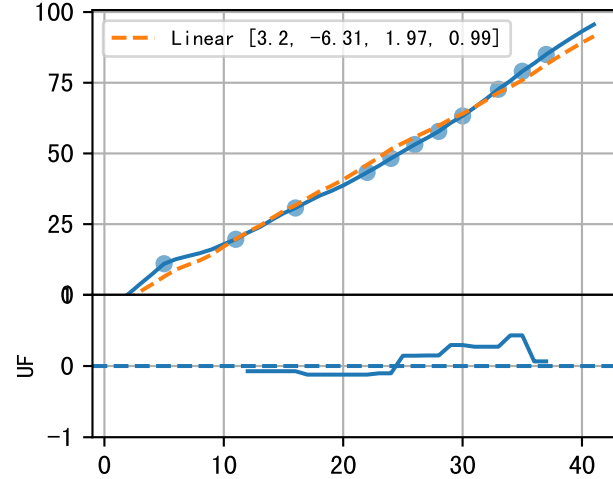
P3-009-13



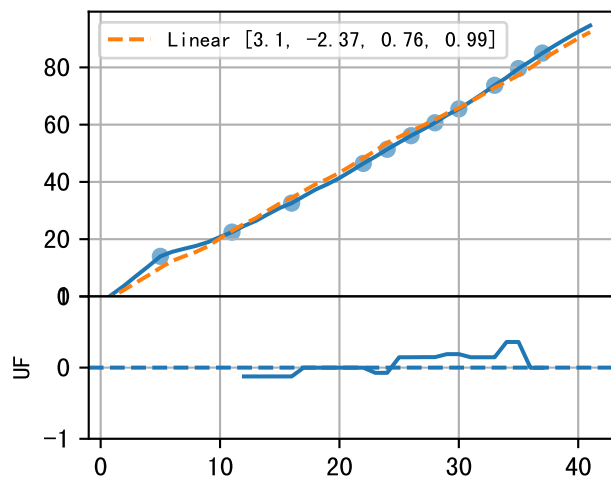
P3-021-19



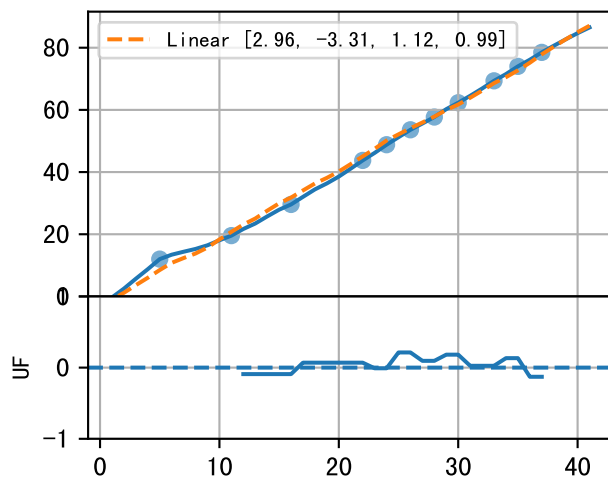
P3-034-5



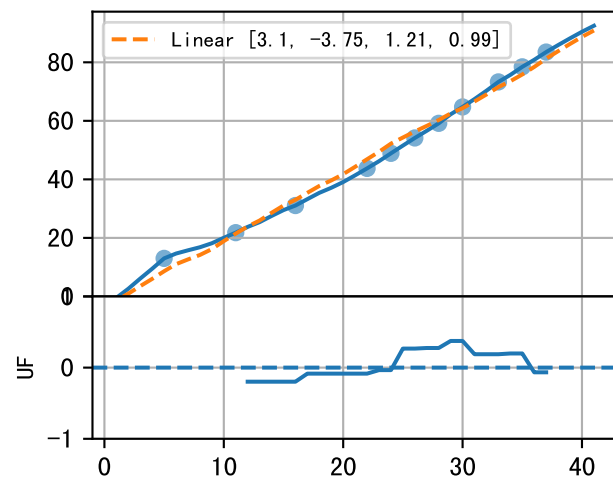
P3-045-17



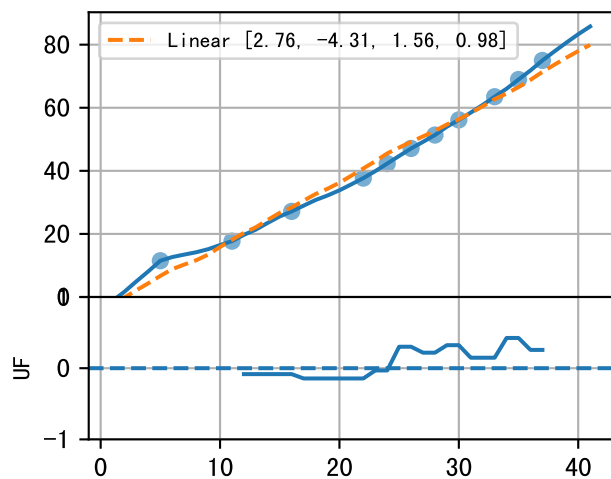
P3-054-28



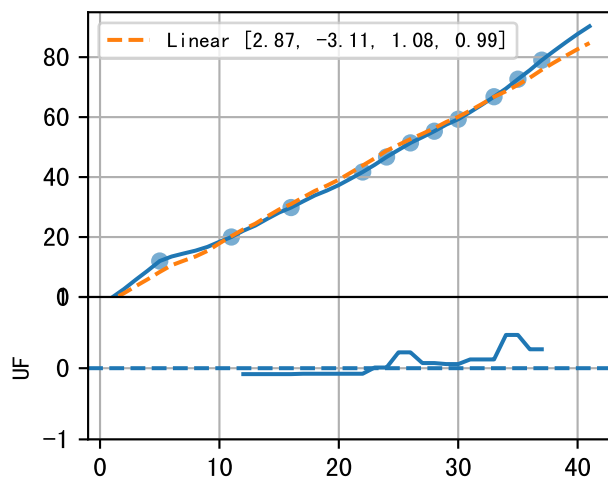
P3-068-4



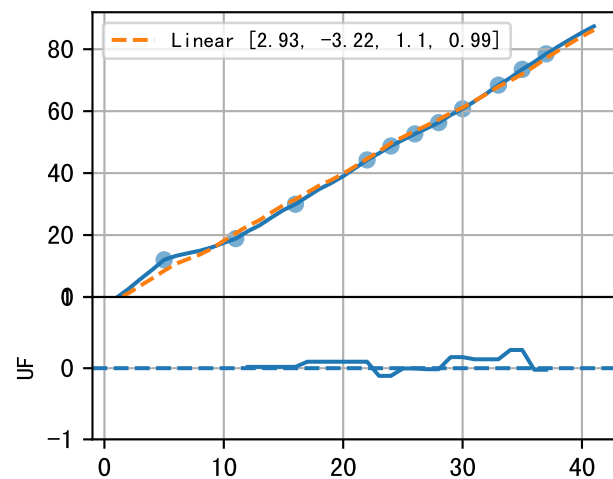
P3-075-19



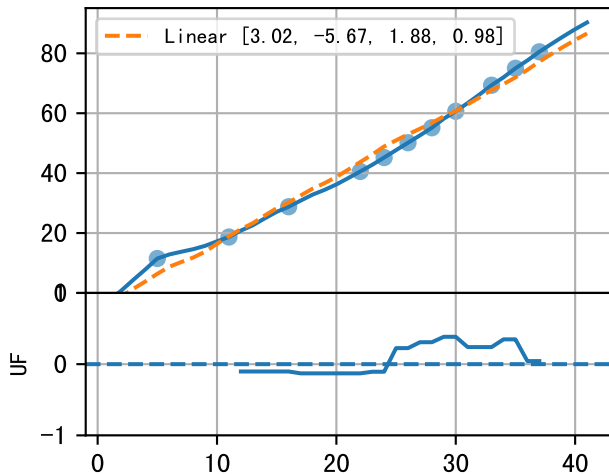
P3-084-11



P3-099-4

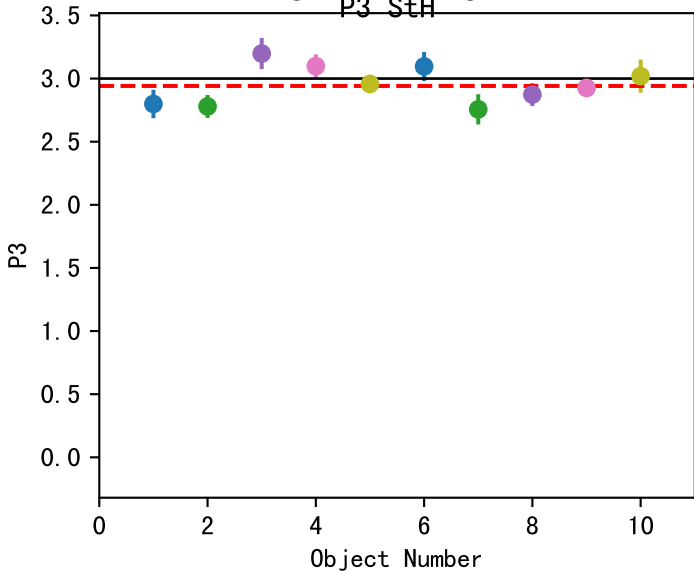


P3-110-23



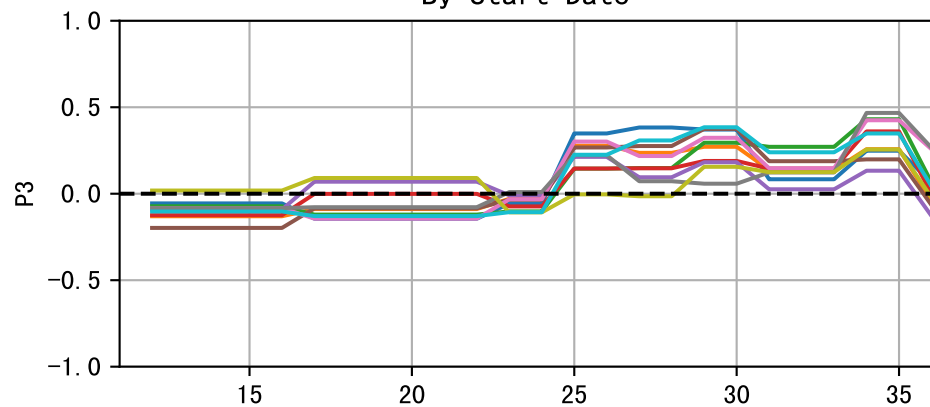
a (Def=3 Set=2.94)
avg1=2.94~5% avg2=na

P3 StH

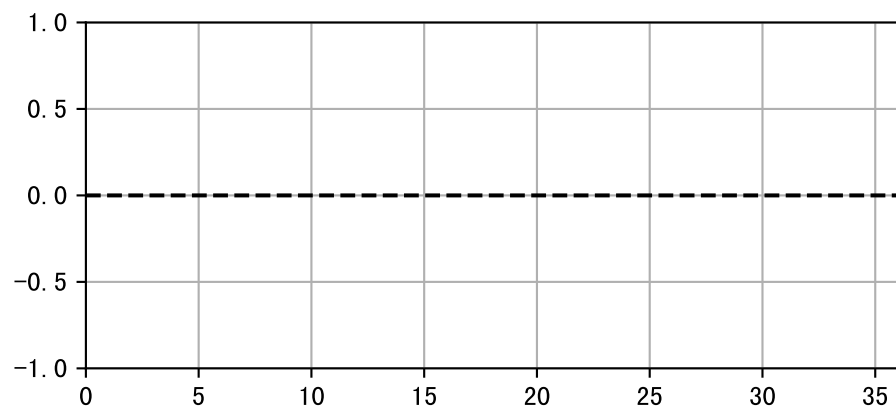
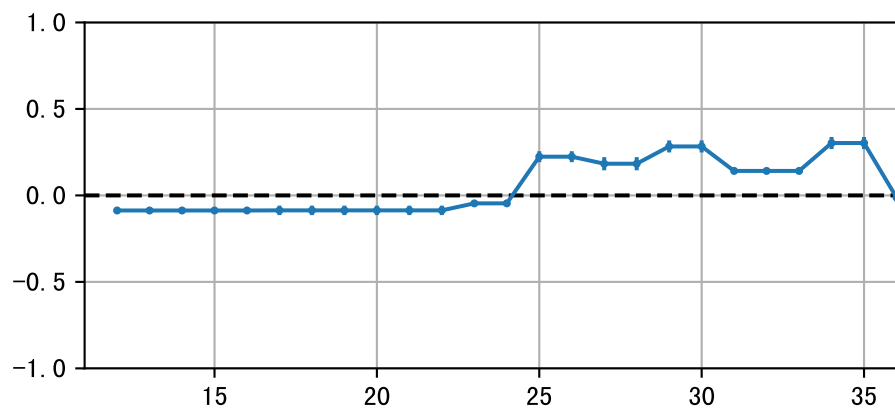
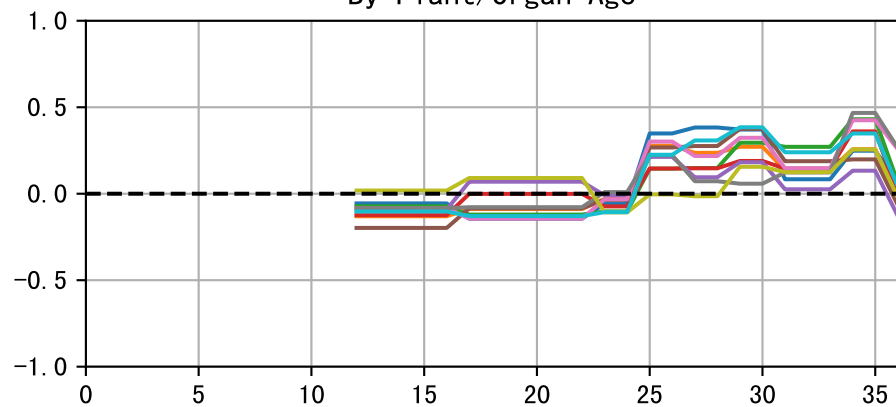


StH

By Start Date

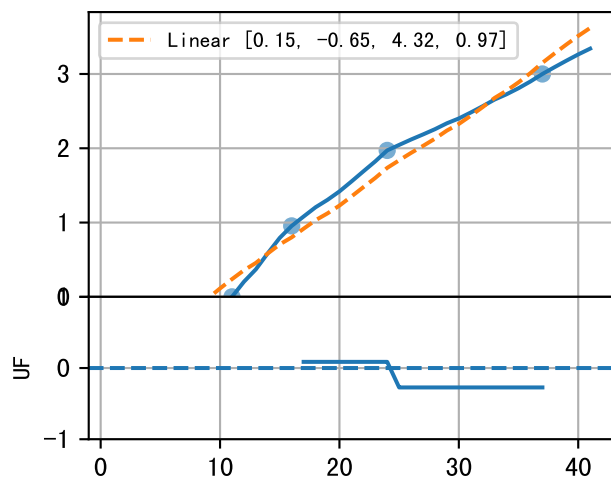


By Plant/Organ Age

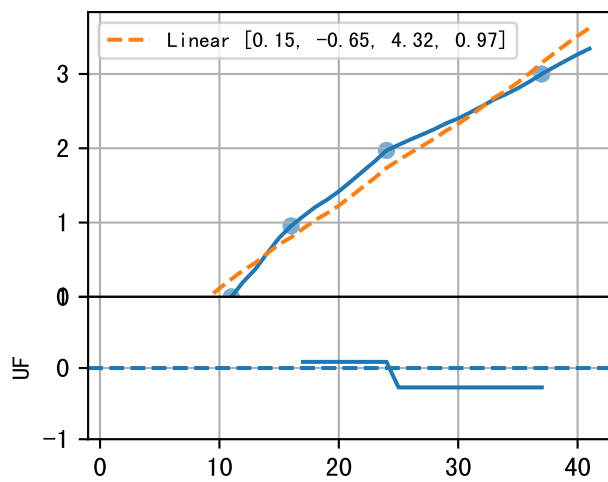


T_{SN}

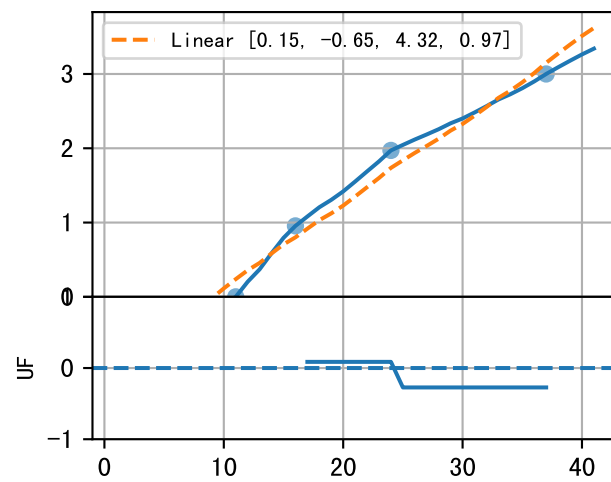
P3-009-13



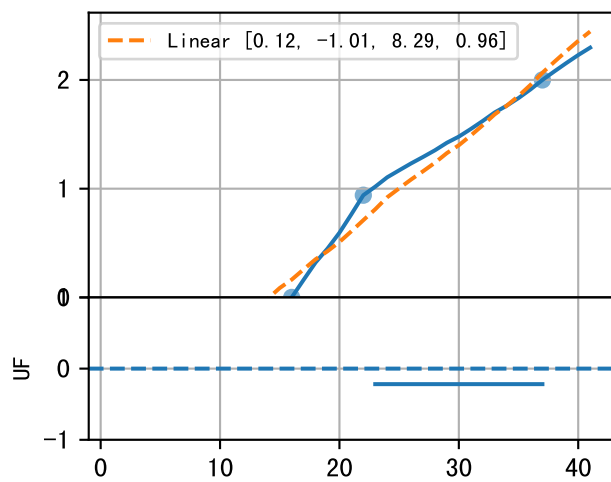
P3-021-19



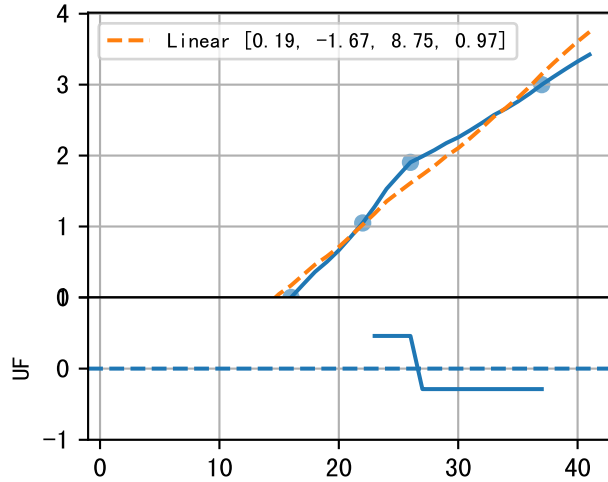
P3-034-5



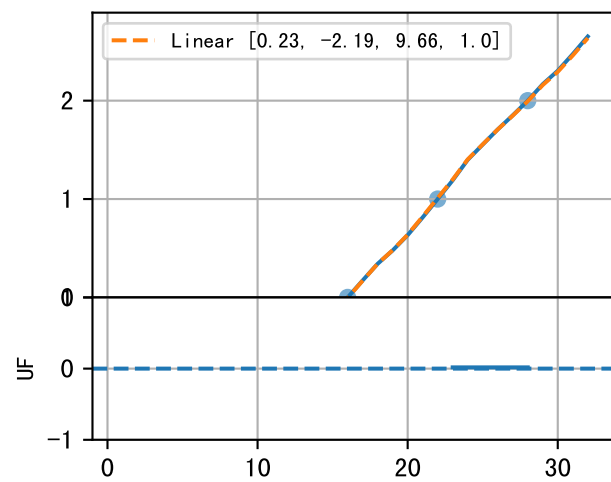
P3-045-17



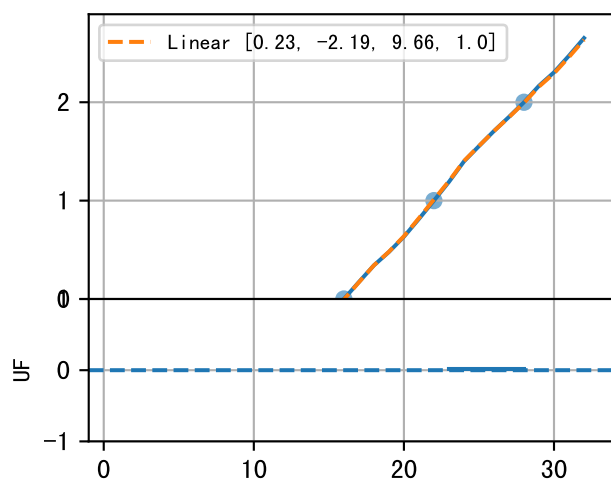
P3-054-28



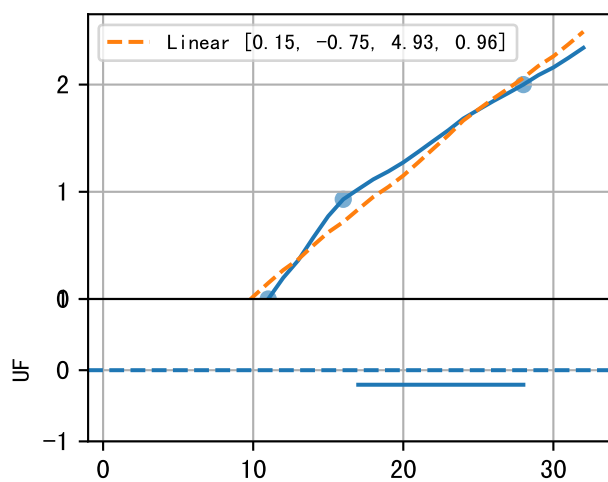
P3-068-4



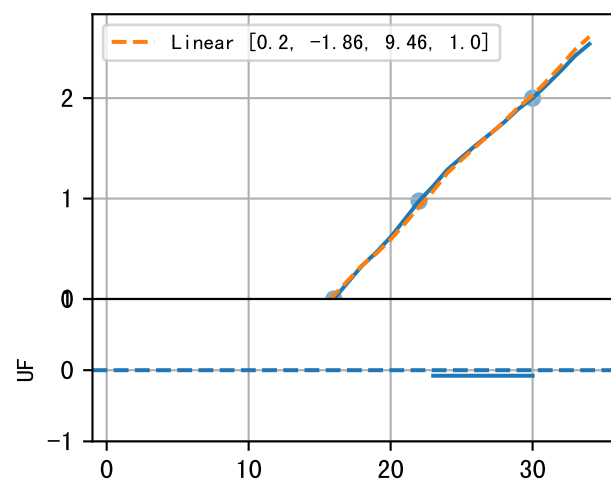
P3-075-19



P3-084-11

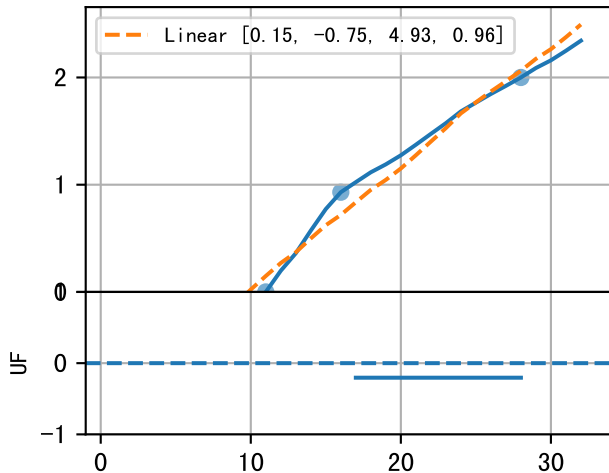


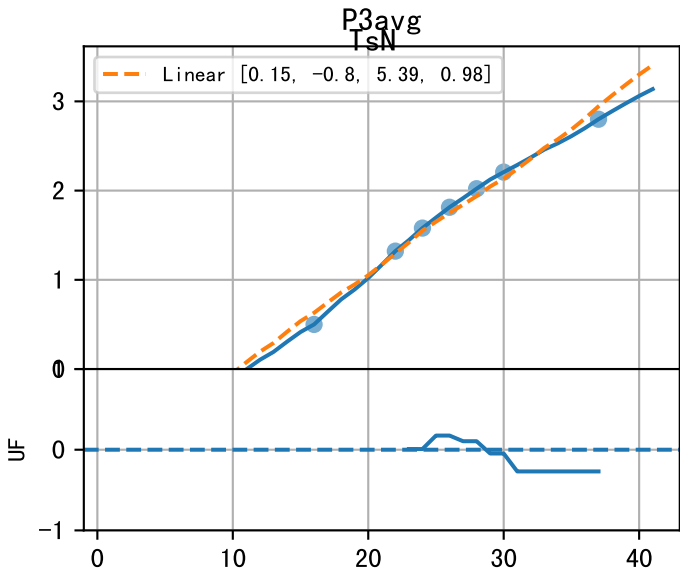
P3-099-4



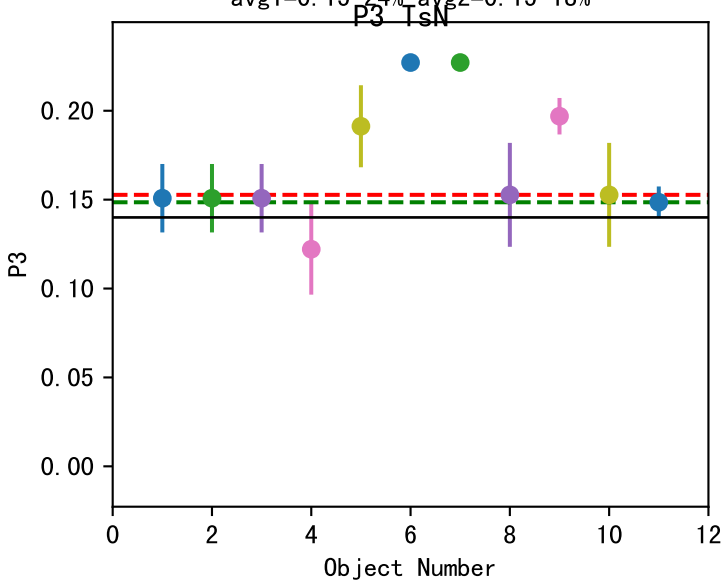
P3-110-23

TsN



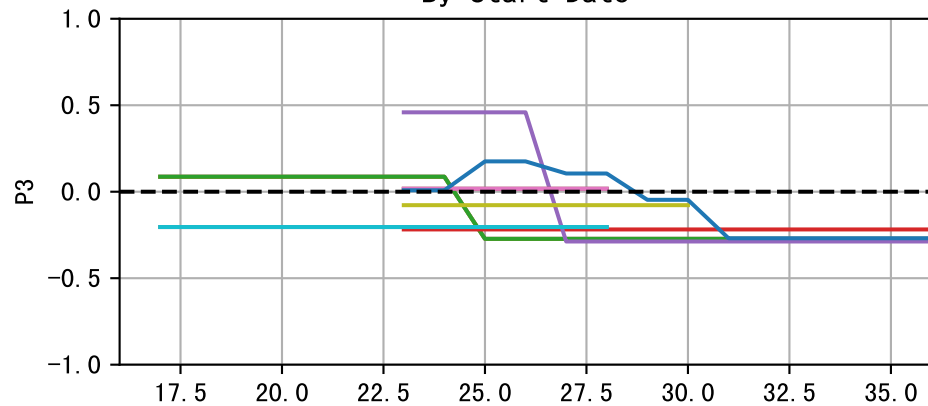


a (Def=0.14 Set=0.15)
avg1=0.15~24% avg2=0.15~18%

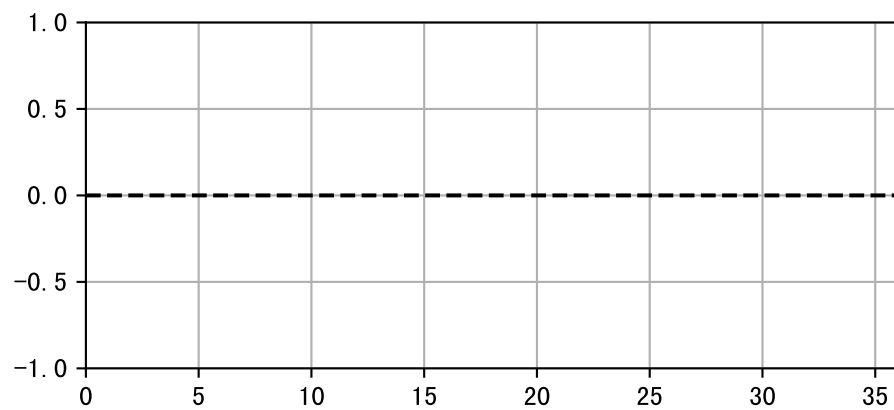
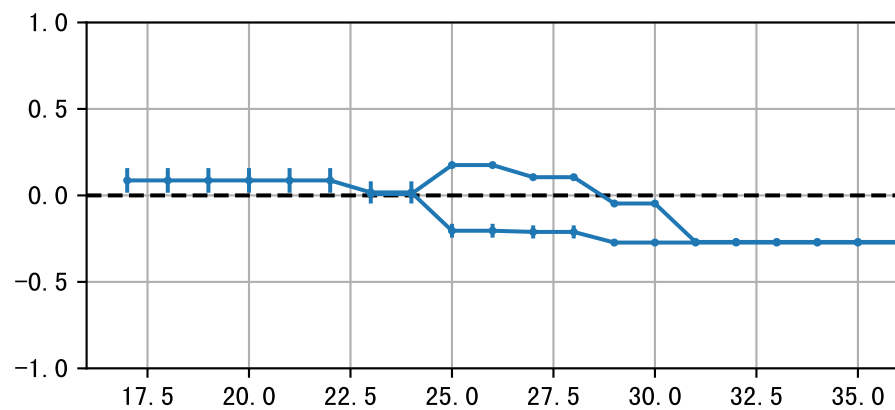
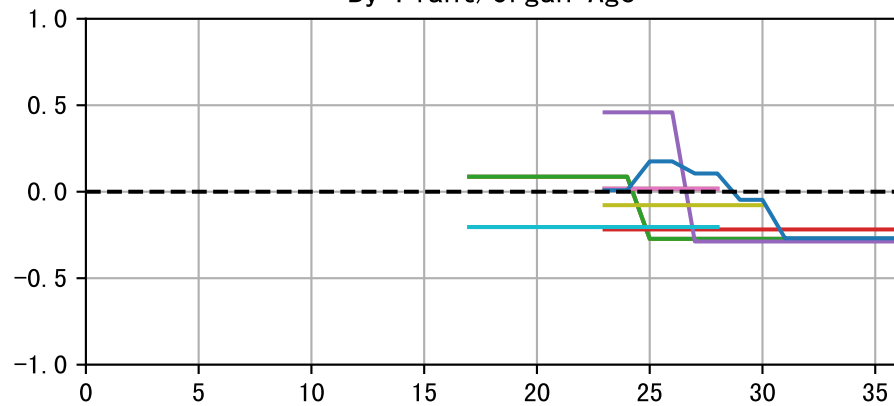


TsN

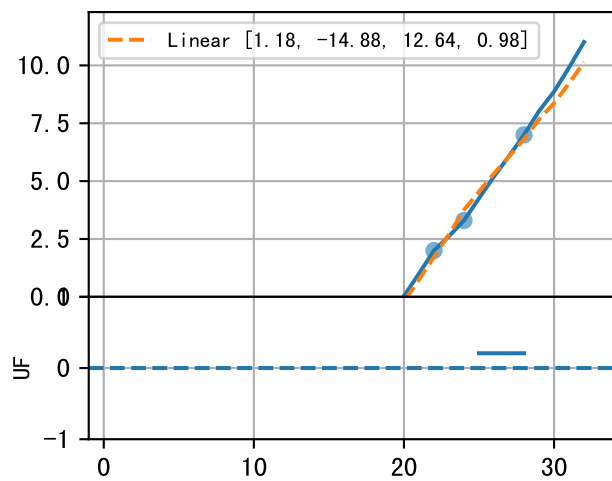
By Start Date



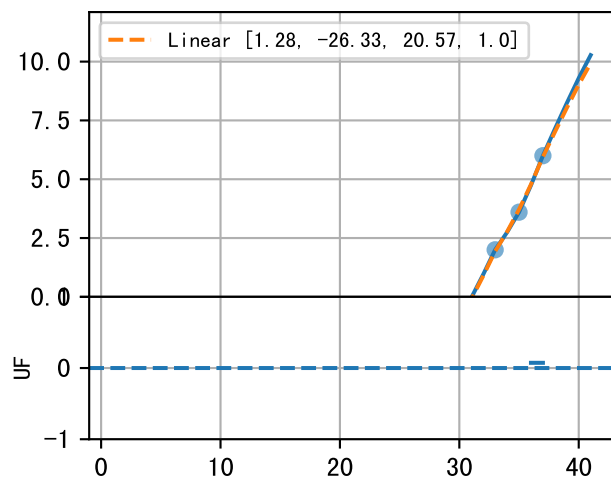
By Plant/Organ Age



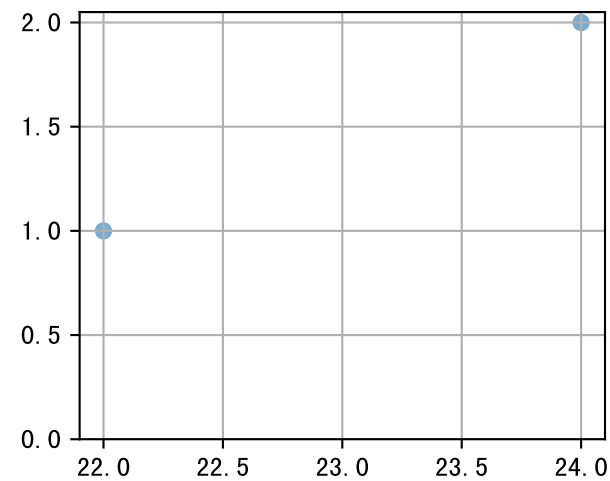
P3-009-13T1



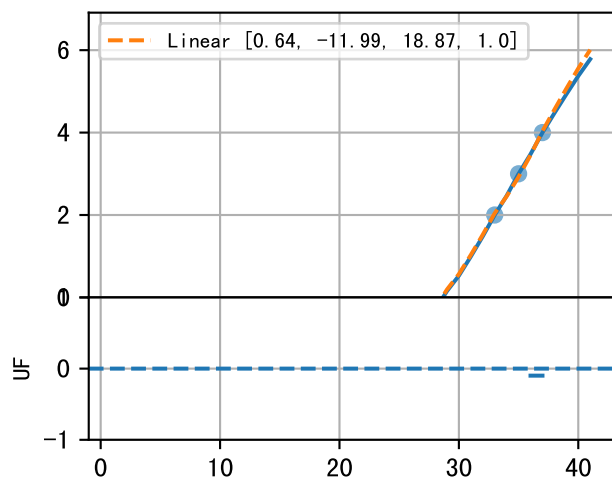
P3-009-13T2



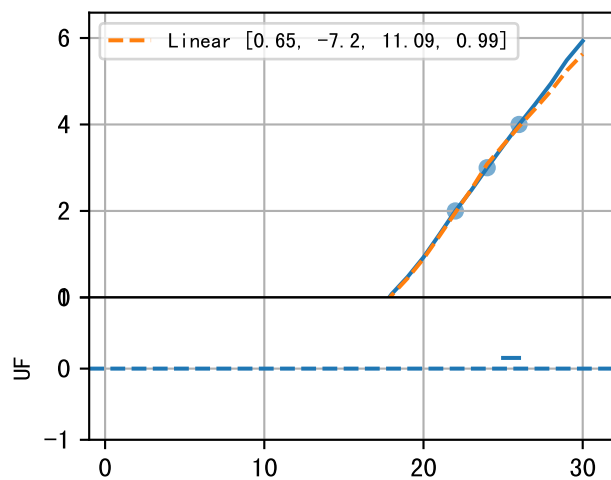
P3-021-19T1 (fit failed)



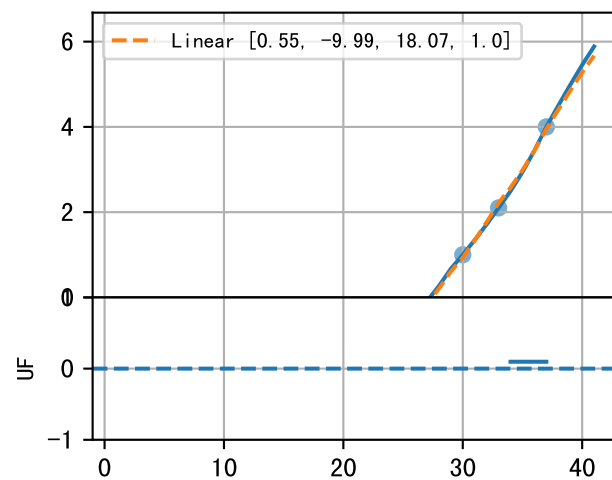
P3-021-19T2



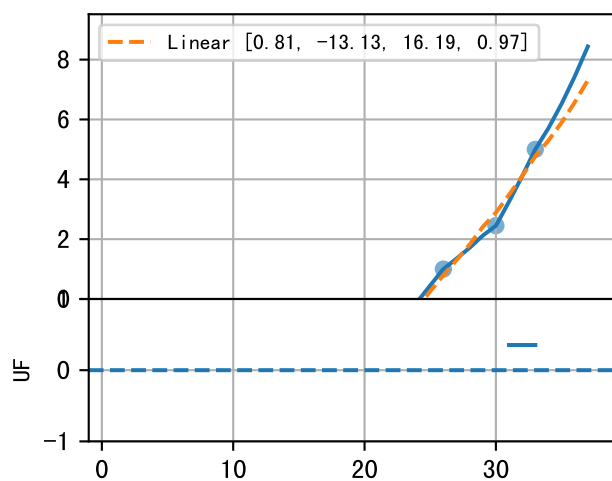
P3-034-5T1



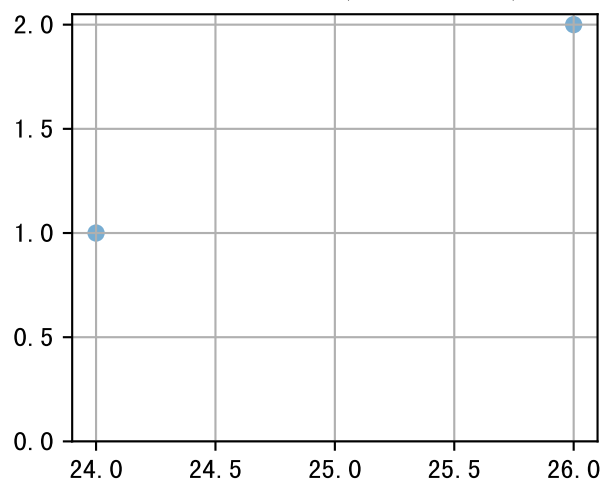
P3-034-5T2



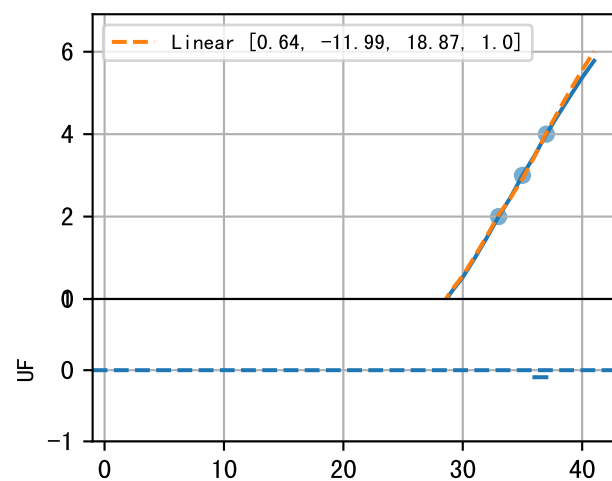
P3-045-17T1



P3-054-28T1 (fit failed)

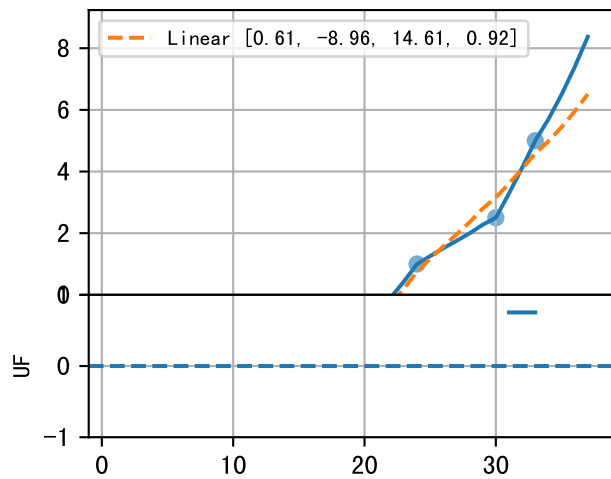


P3-054-28T2

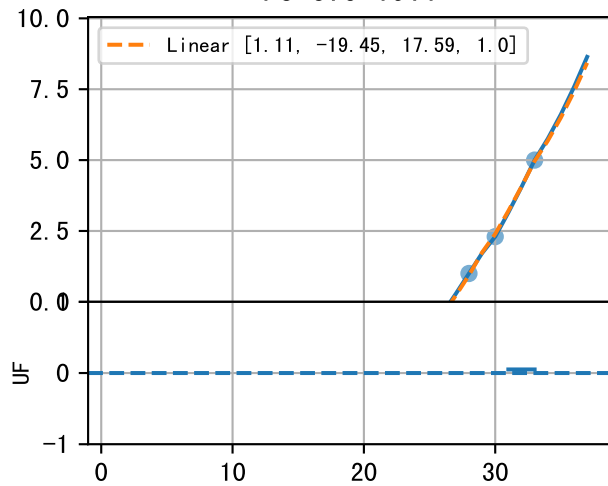


ErN

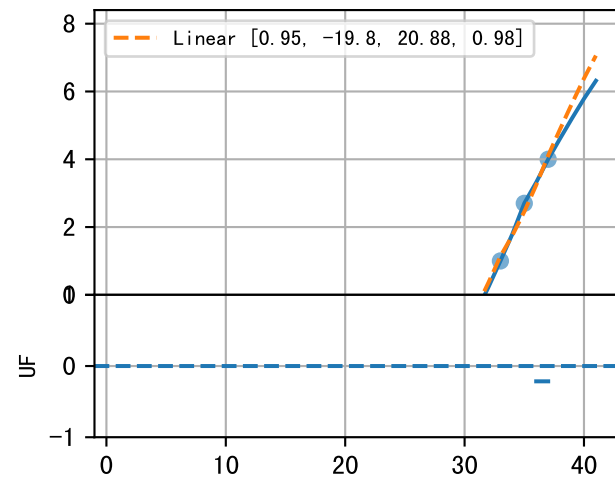
P3-068-4T1



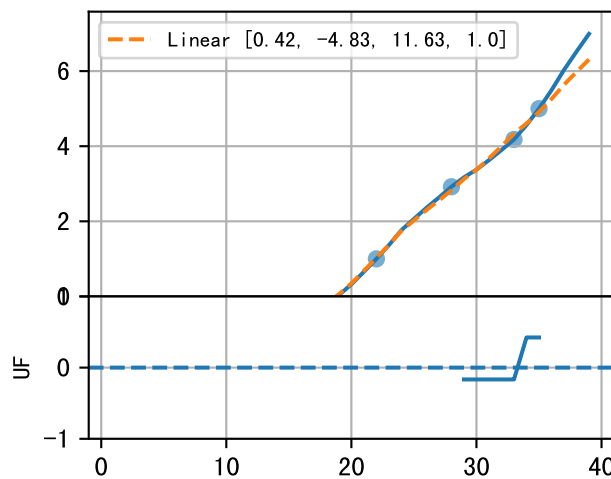
P3-075-19T1



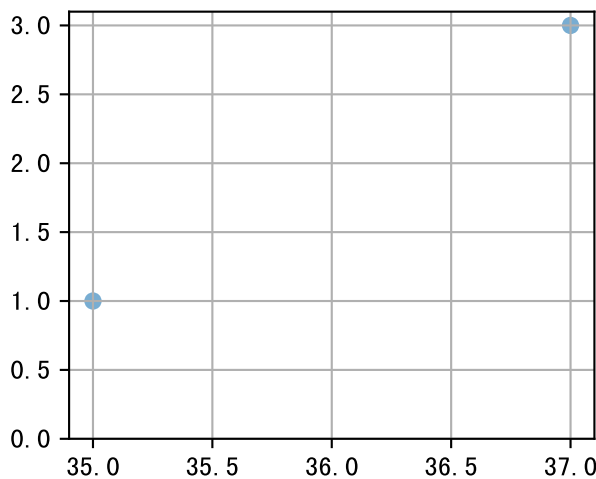
P3-075-19T2



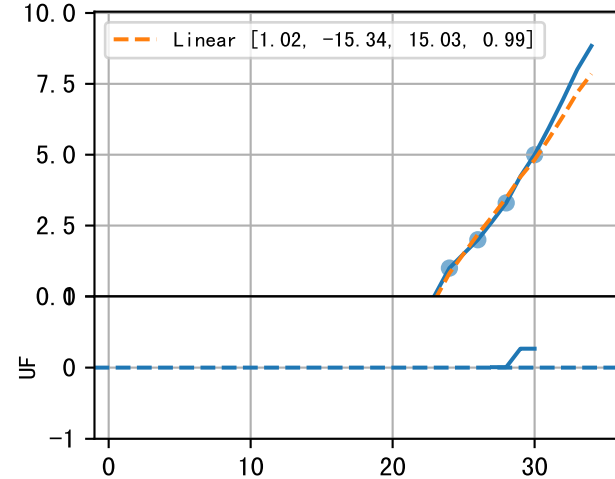
P3-084-11T1



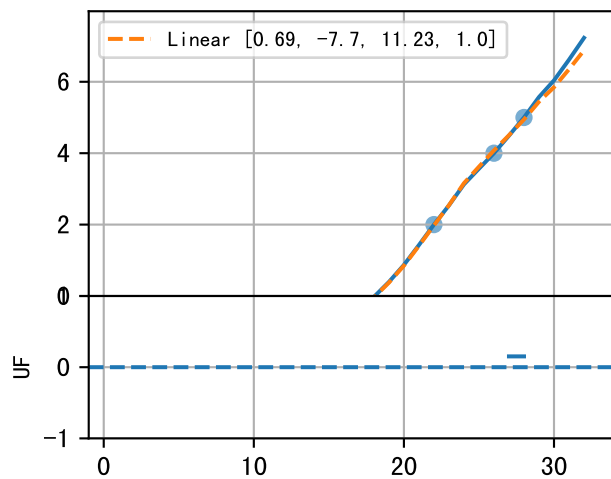
P3-084-11T2 (fit failed)



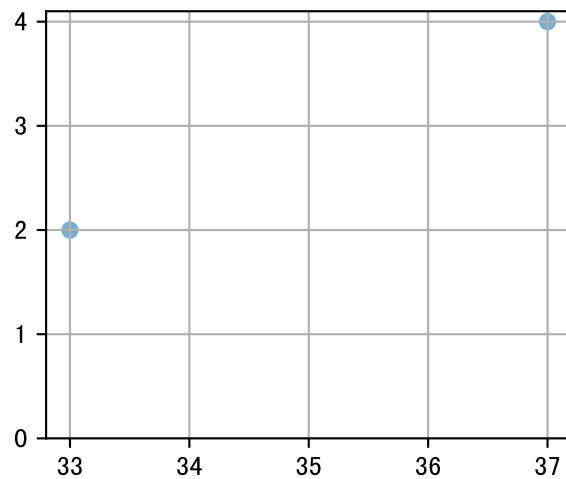
P3-099-4T1



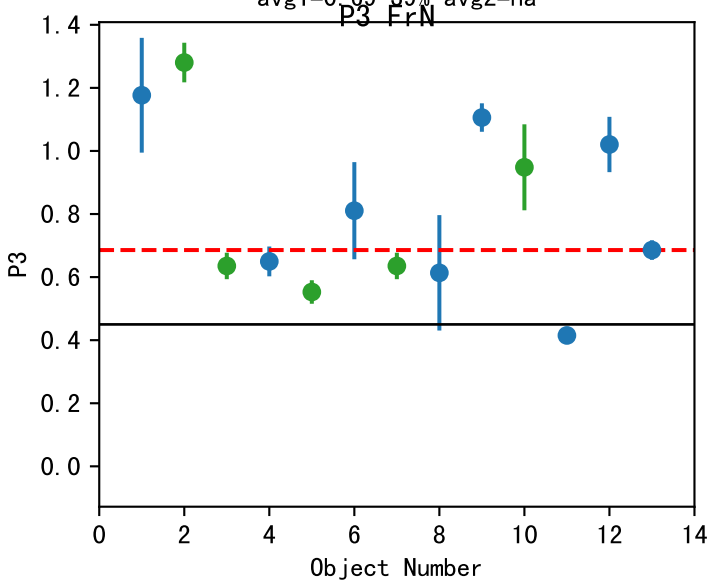
P3-110-23T1



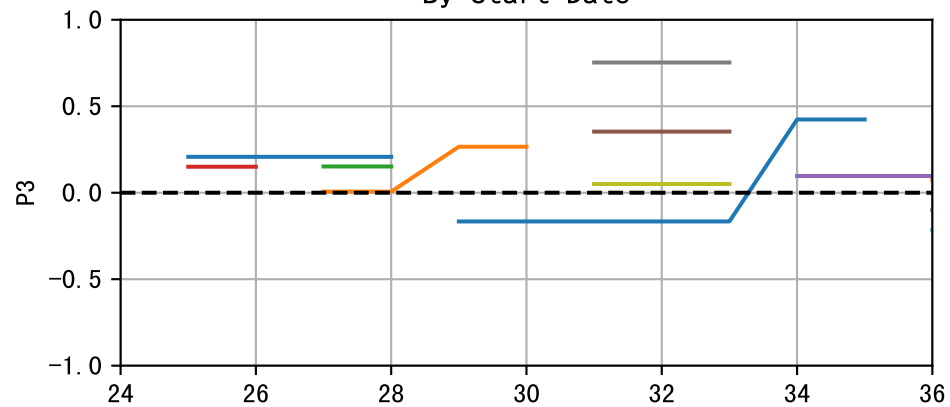
P3-110-23T2 (fit failed)



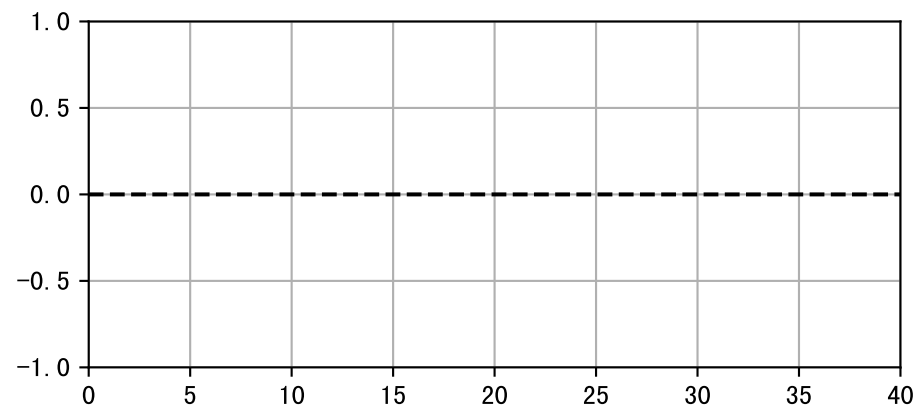
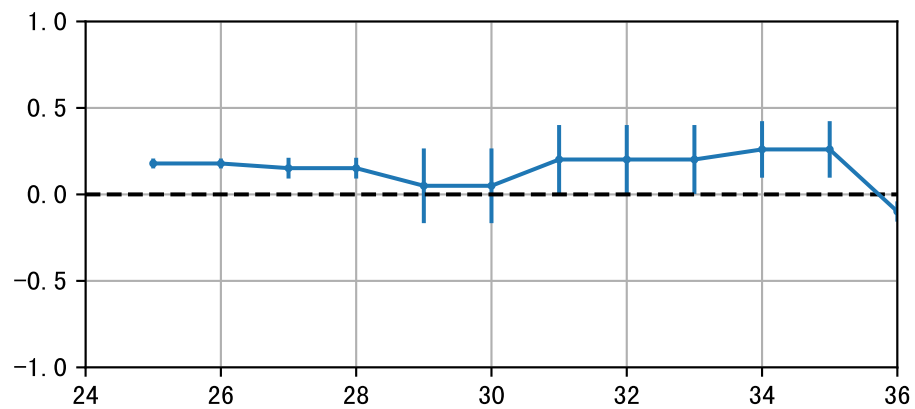
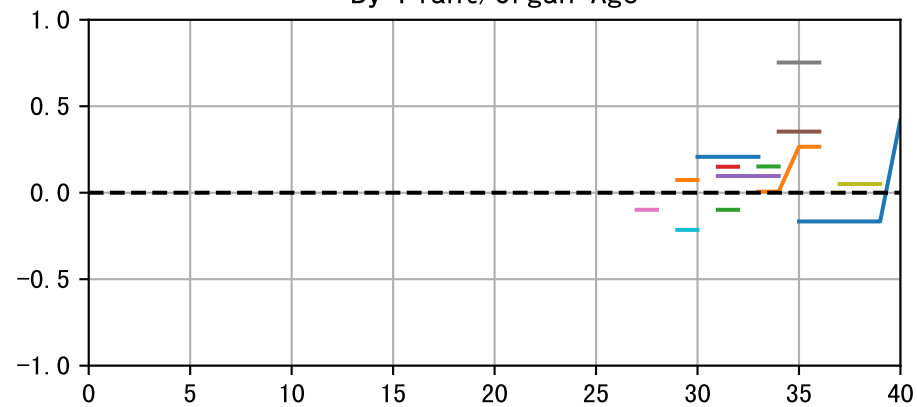
a (Def=0.45 Set=0.69)
avg1=0.69~39% avg2=na



By Start Date

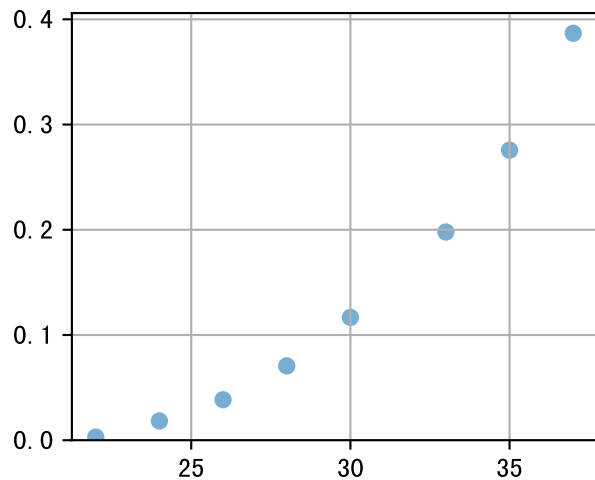


By Plant/Organ Age

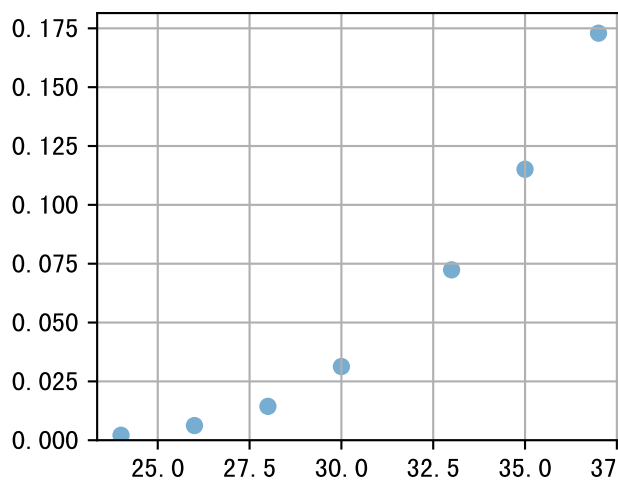


FrY

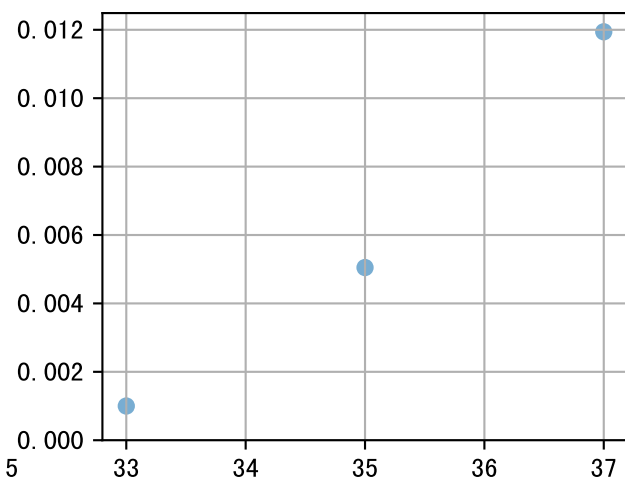
P3-009-13T1Fr1 (fit failed)



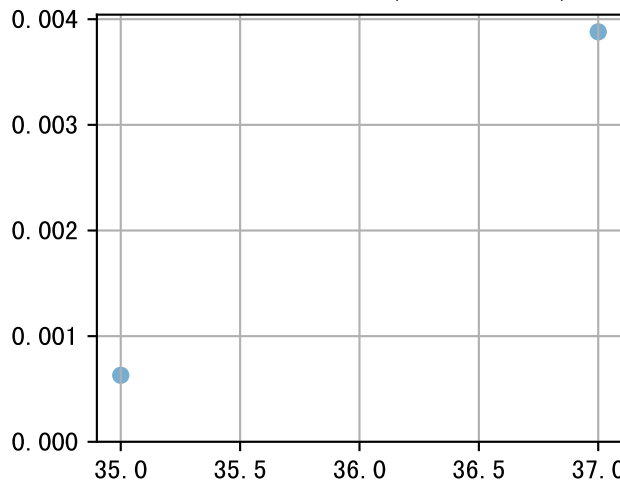
P3-009-13T1Fr5 (fit failed)



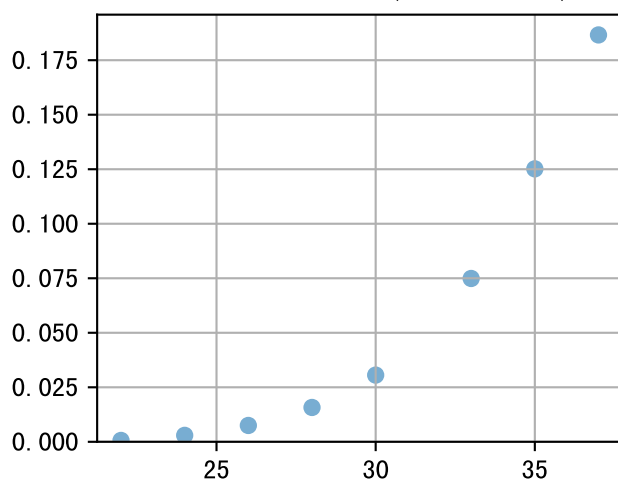
P3-009-13T2Fr1 (fit failed)



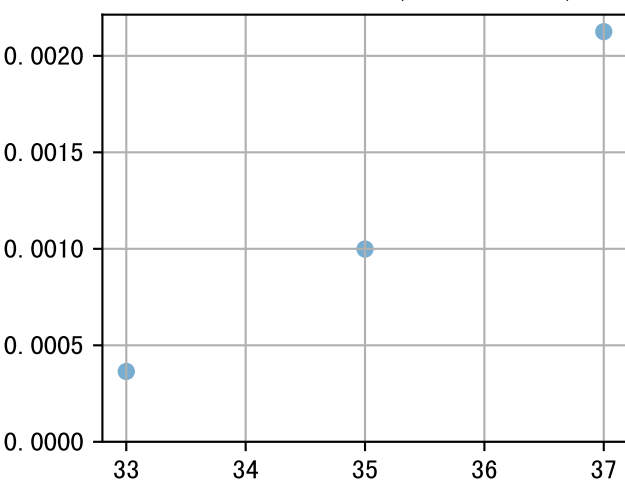
P3-009-13T2Fr5 (fit failed)



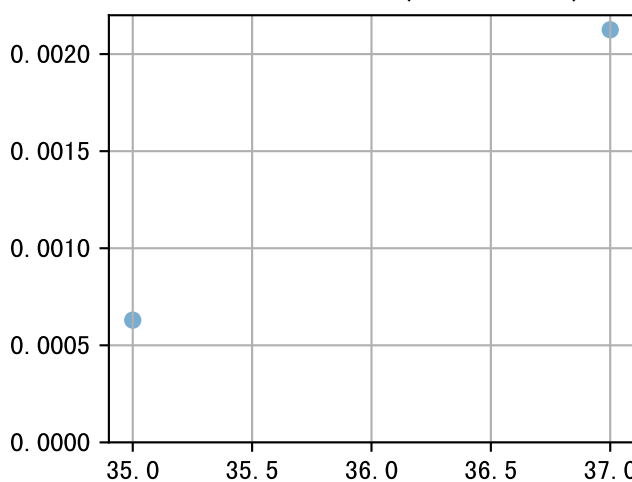
P3-021-19T1Fr1 (fit failed)



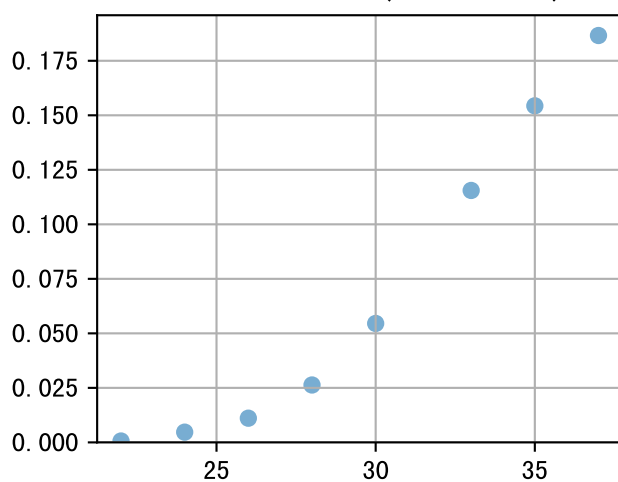
P3-021-19T2Fr1 (fit failed)



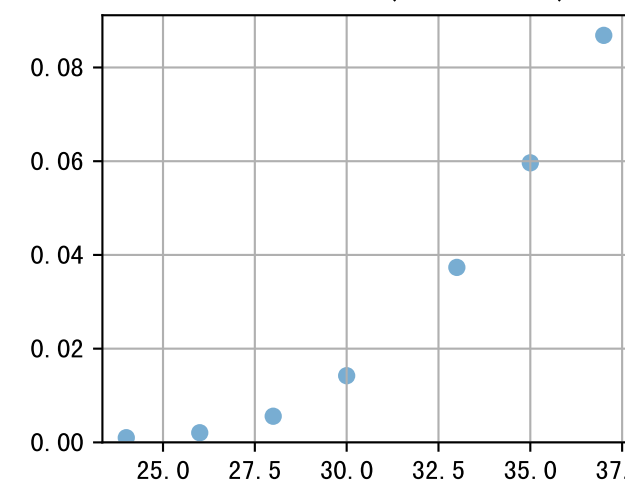
P3-021-19T2Fr5 (fit failed)



P3-034-5T1Fr1 (fit failed)

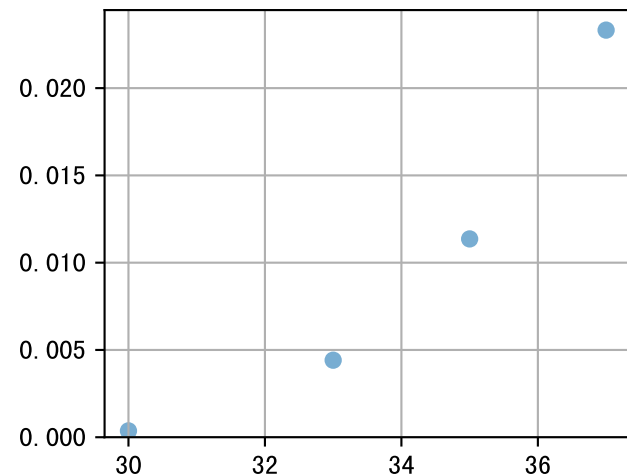


P3-034-5T1Fr5 (fit failed)

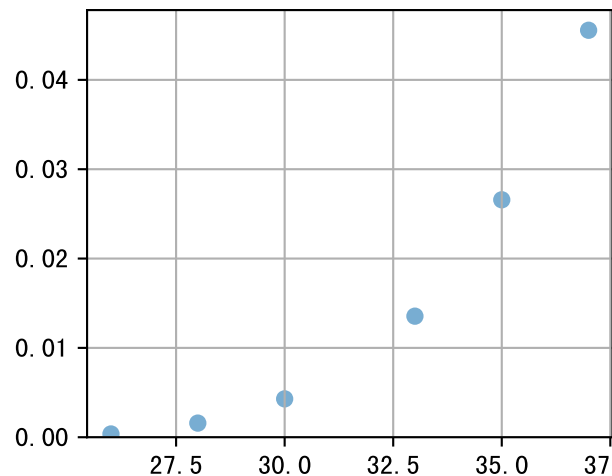


FrV

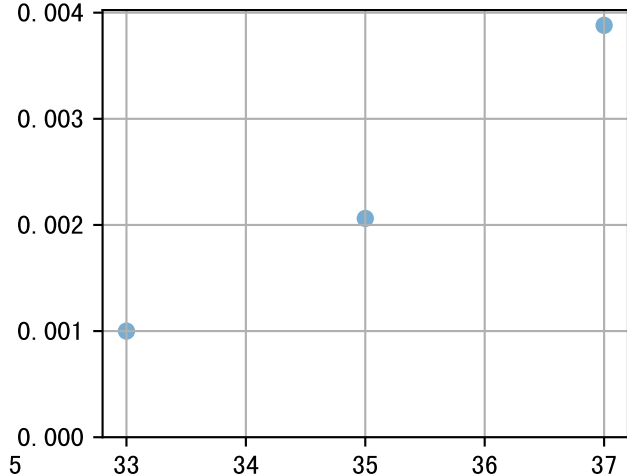
P3-034-5T2Fr1 (fit failed)



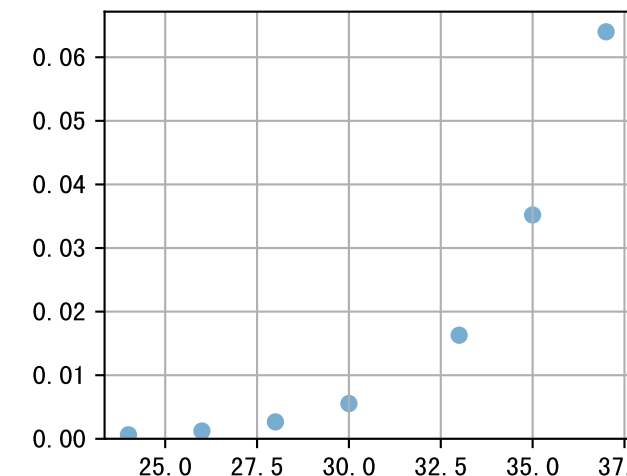
P3-045-17T1Fr1 (fit failed)



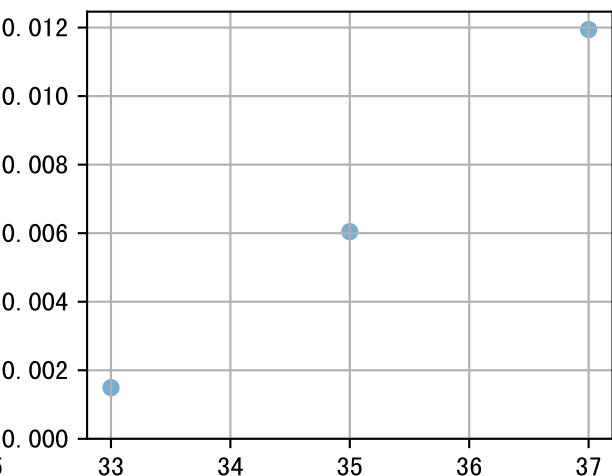
P3-045-17T1Fr5 (fit failed)



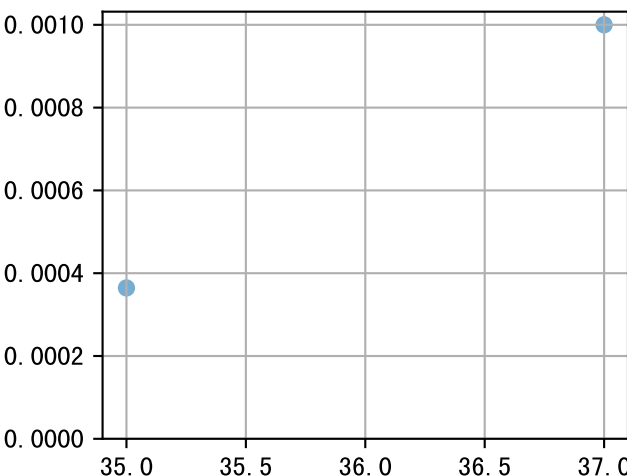
P3-054-28T1Fr1 (fit failed)



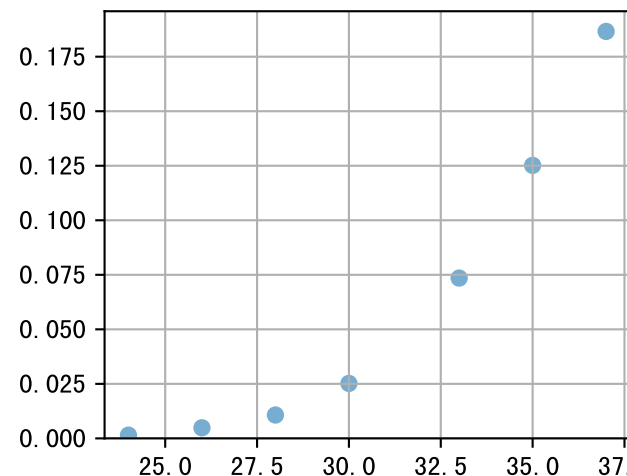
P3-054-28T2Fr1 (fit failed)



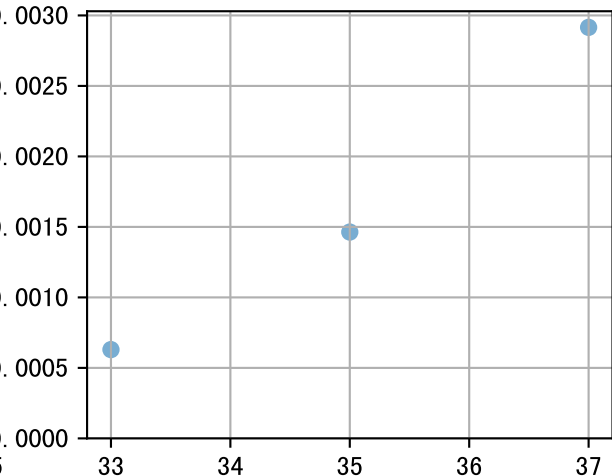
P3-054-28T2Fr5 (fit failed)



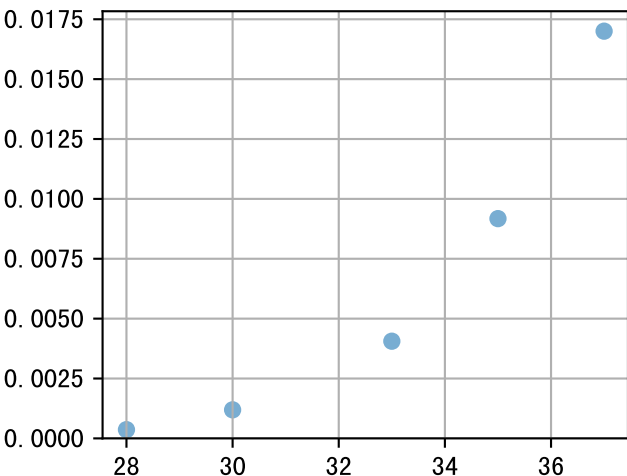
P3-068-4T1Fr1 (fit failed)



P3-068-4T1Fr5 (fit failed)



P3-075-19T1Fr1 (fit failed)

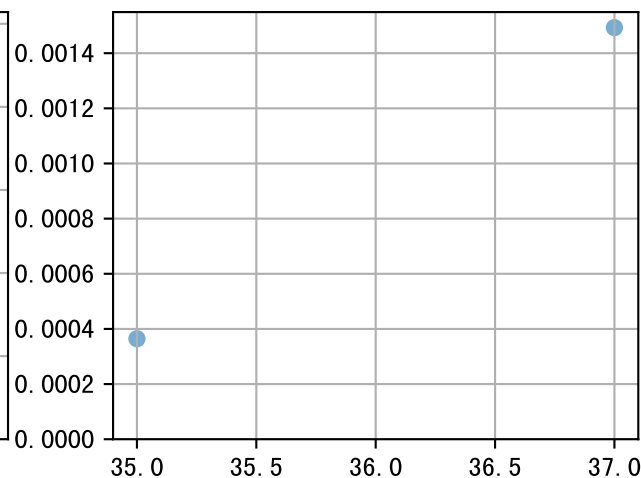
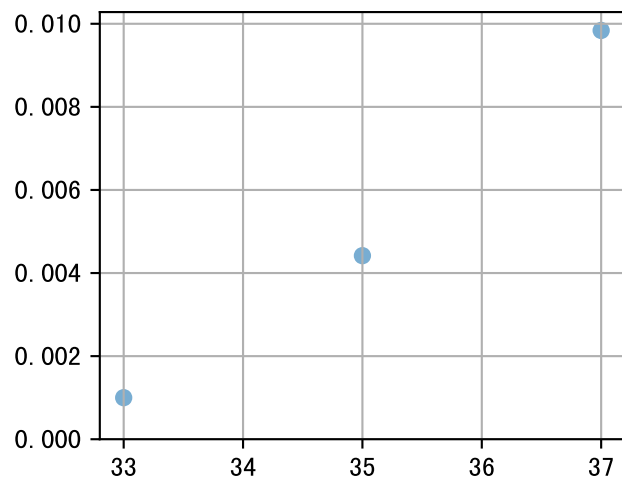
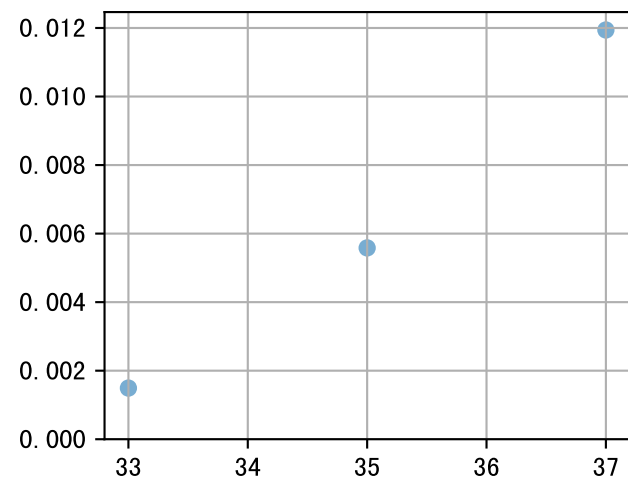


FrV

P3-075-19T1Fr5 (fit failed)

P3-075-19T2Fr1 (fit failed)

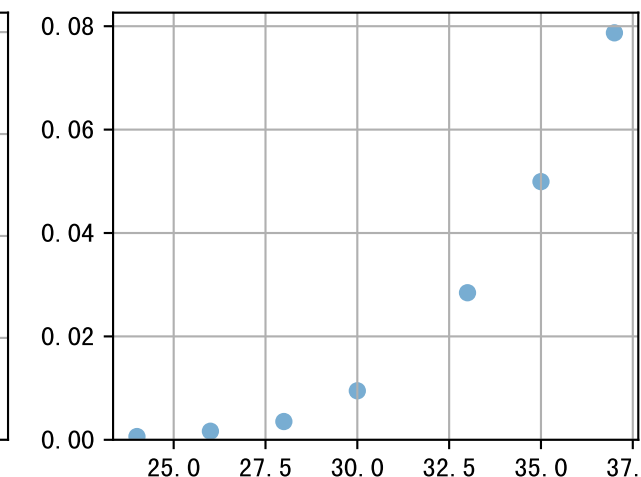
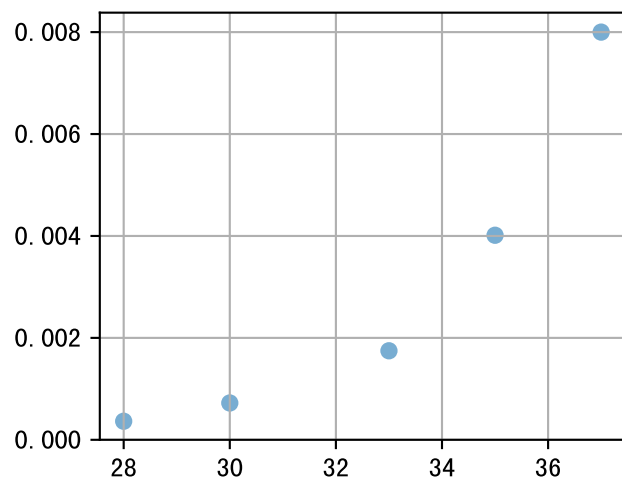
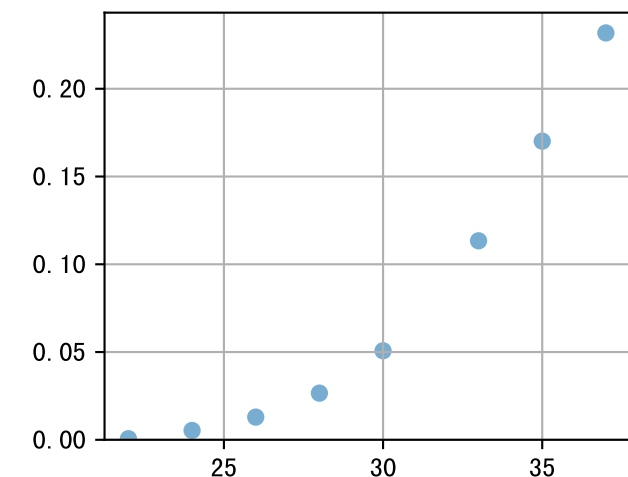
P3-075-19T2Fr5 (fit failed)



P3-084-11T1Fr1 (fit failed)

P3-084-11T1Fr5 (fit failed)

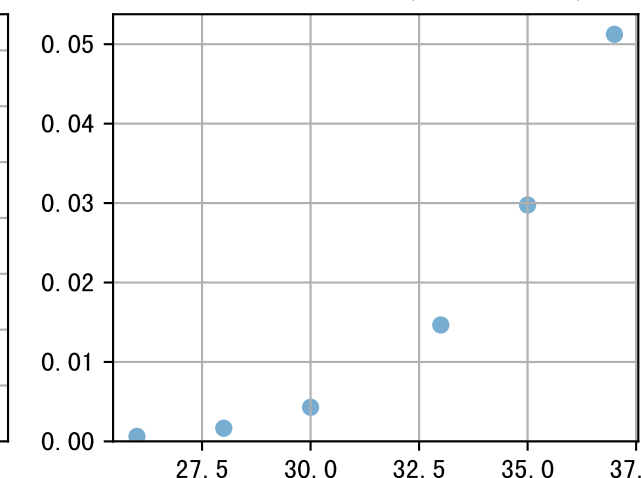
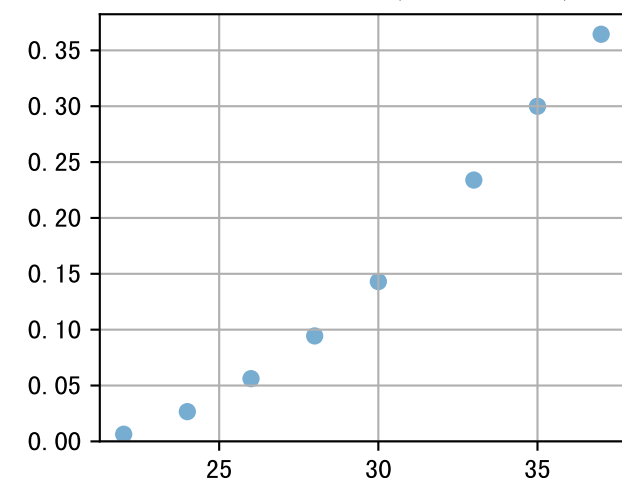
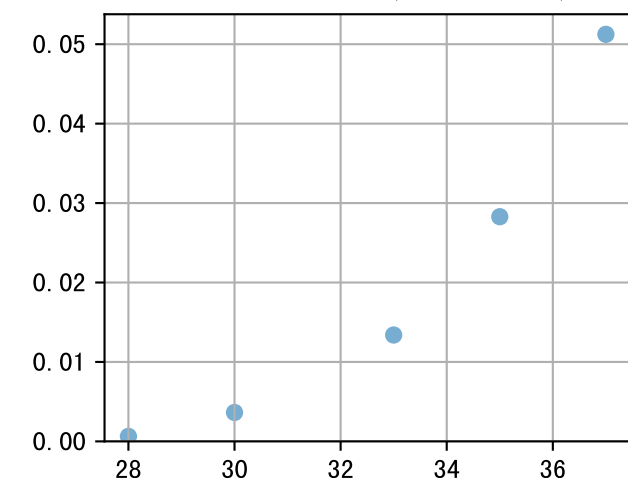
P3-099-4T1Fr1 (fit failed)



P3-099-4T1Fr5 (fit failed)

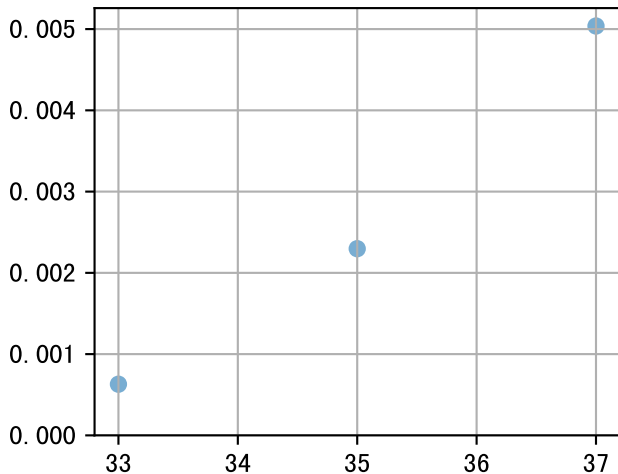
P3-110-23T1Fr1 (fit failed)

P3-110-23T1Fr5 (fit failed)

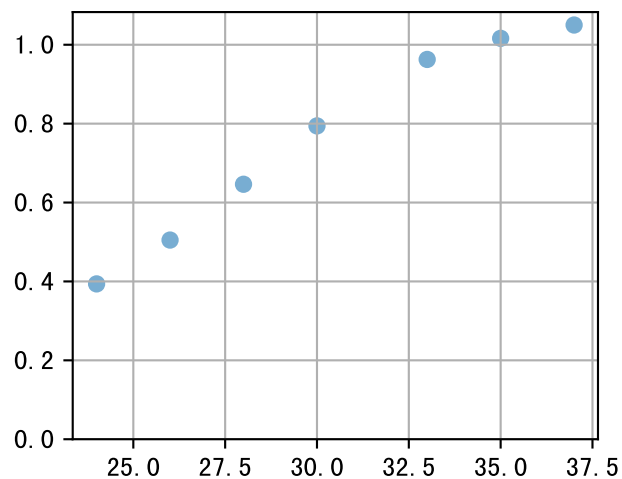


P3-110-23T2Fr1 (fit failed)

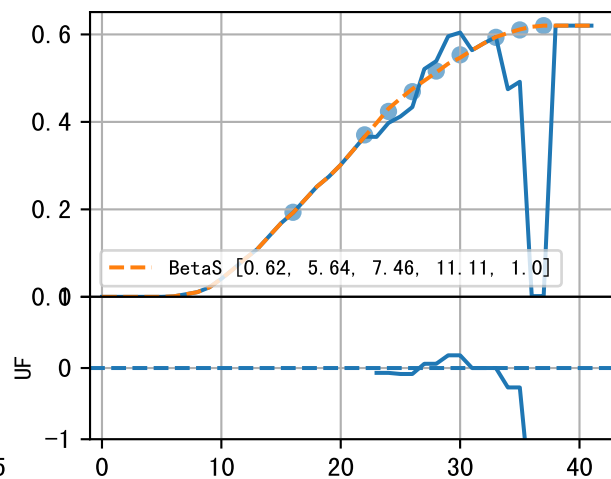
FrV



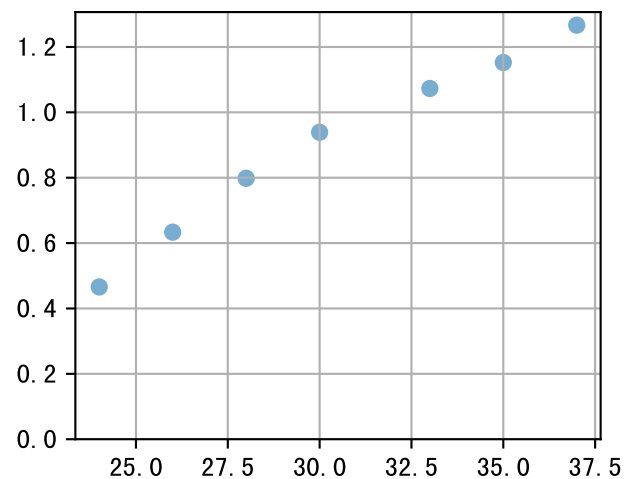
P3-009-13L10 (fit failed)



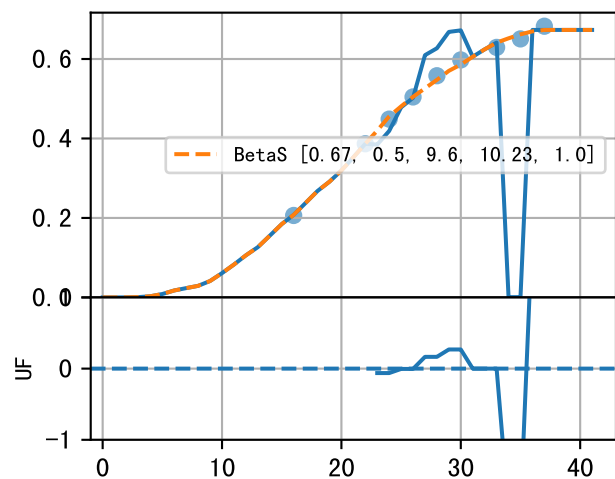
P3-009-13L7



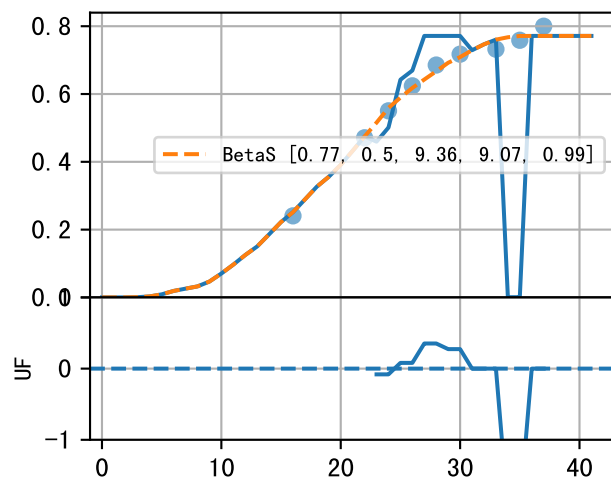
P3-021-19L10 (fit failed)



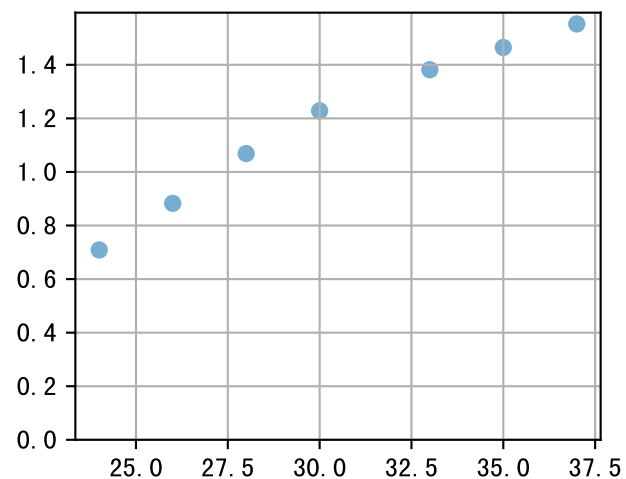
P3-021-19L6 (fit failed)



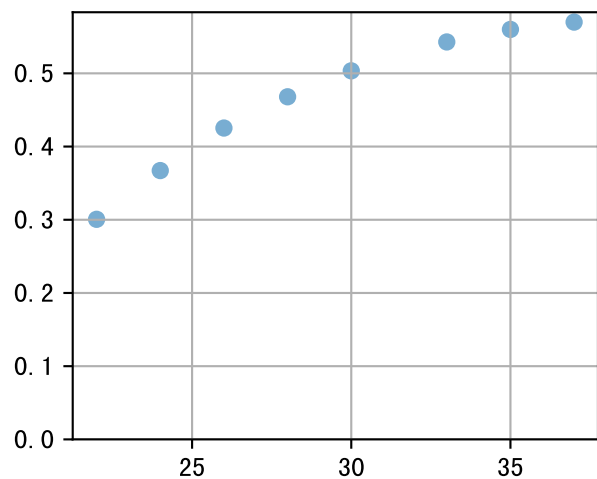
P3-034-5L6 (fit failed)



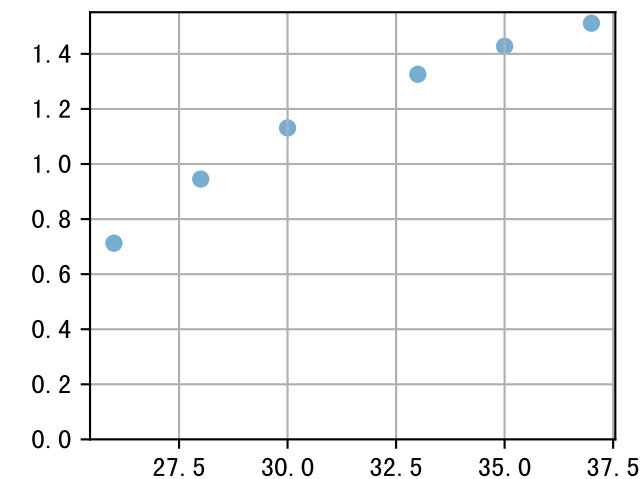
P3-034-5L9 (fit failed)



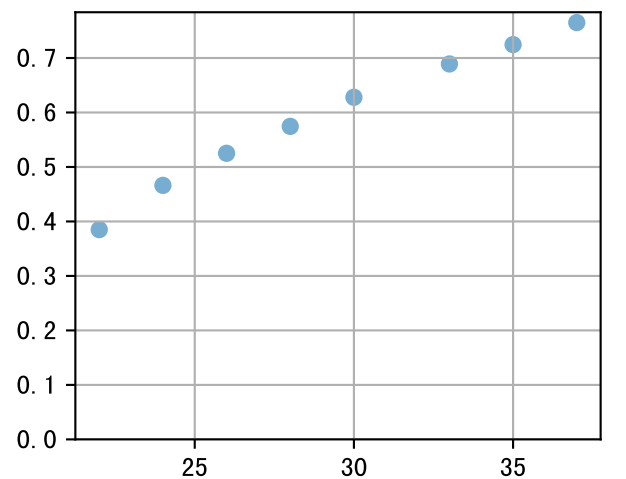
P3-045-17L6 (fit failed)



P3-054-28L10 (fit failed)

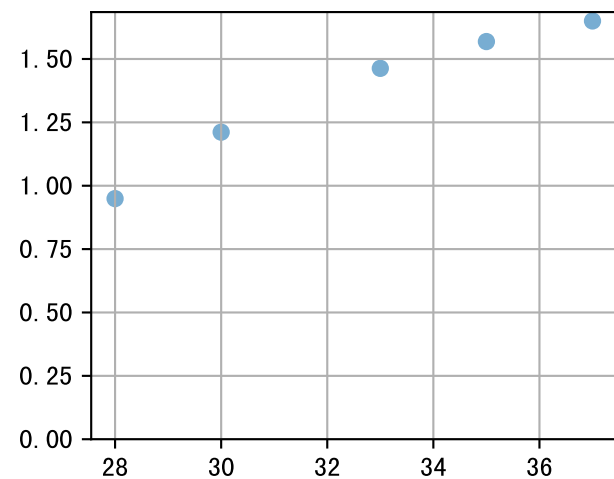


P3-054-28L7 (fit failed)

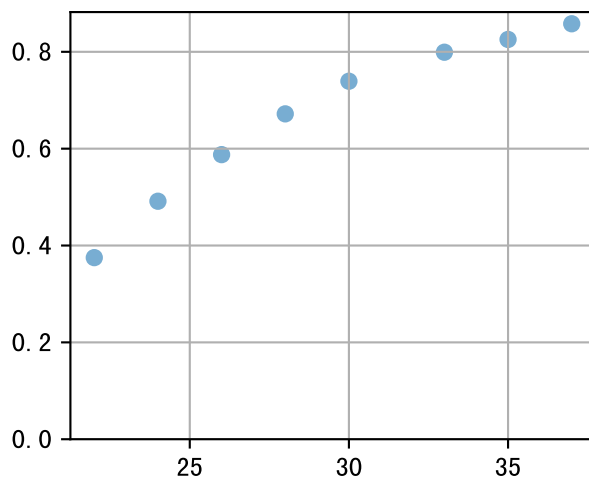


L^{FA}

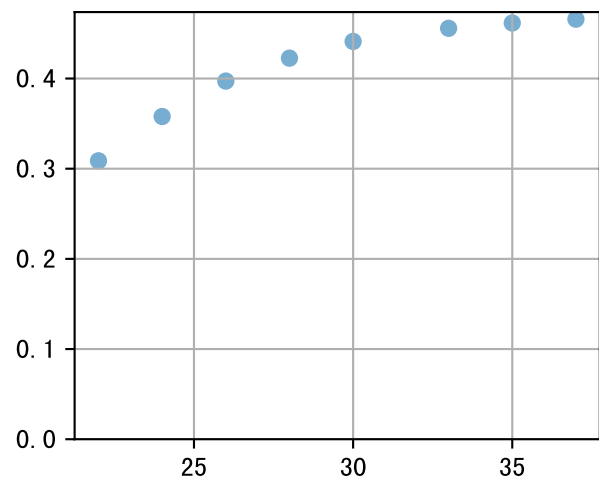
P3-068-4L10 (fit failed)



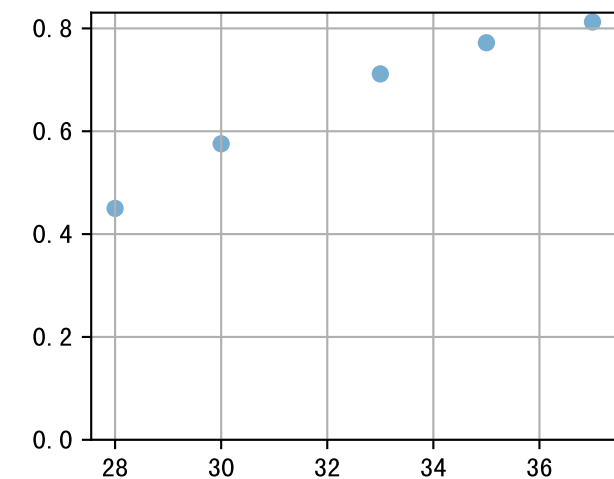
P3-068-4L7 (fit failed)



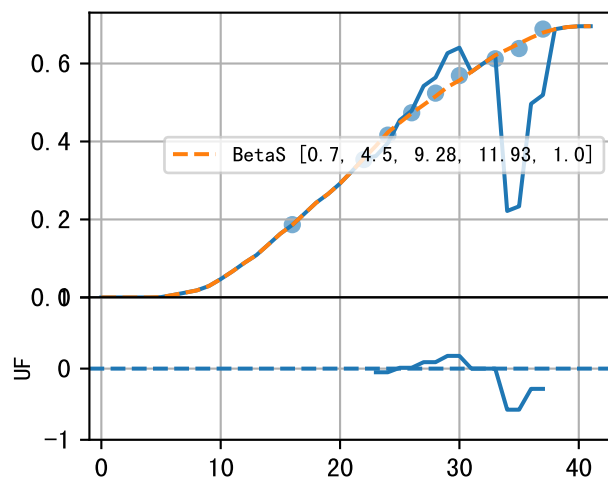
P3-075-19L6 (fit failed)



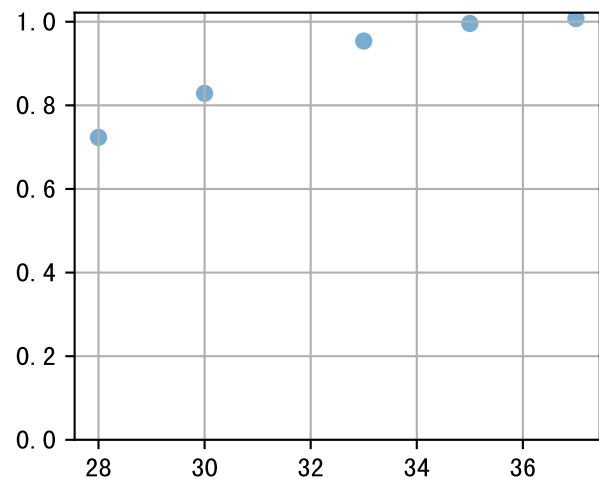
P3-075-19L9 (fit failed)



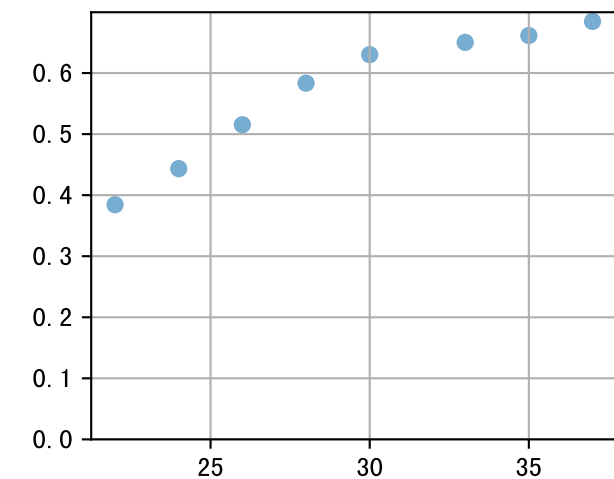
P3-084-11L6



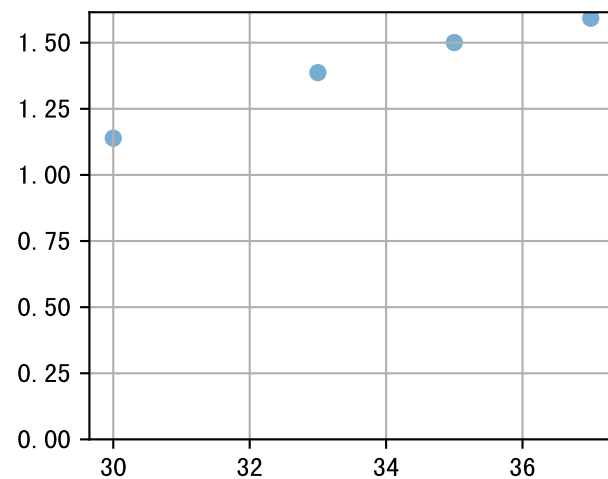
P3-084-11L9 (fit failed)



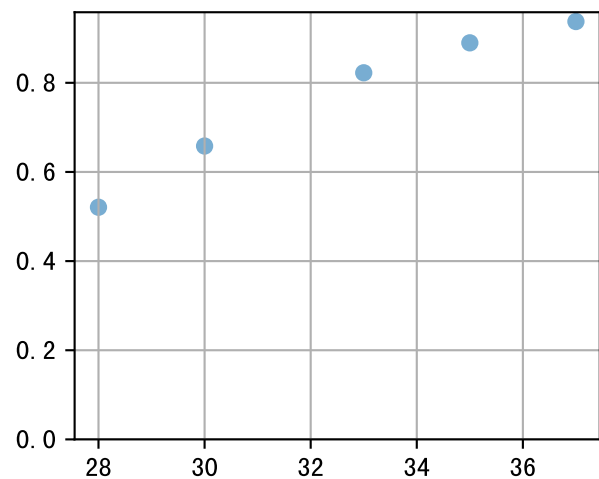
P3-099-4L6 (fit failed)



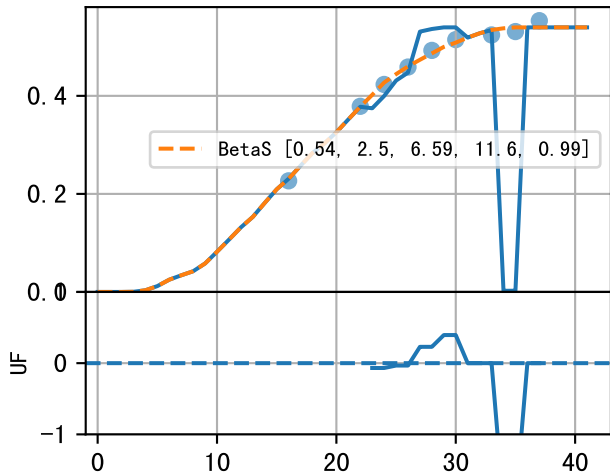
P3-099-4L9 (fit failed)

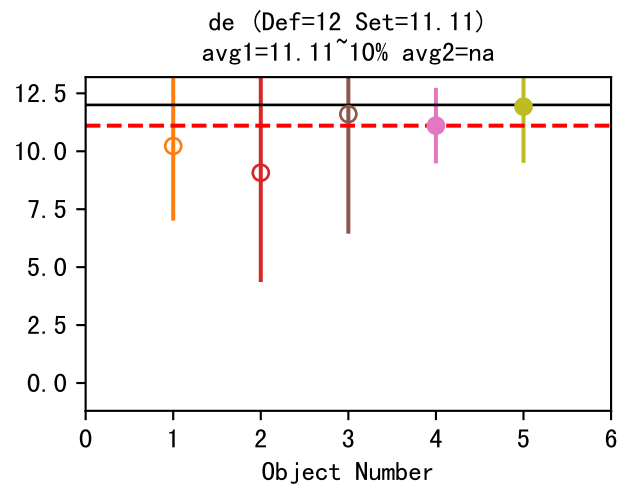
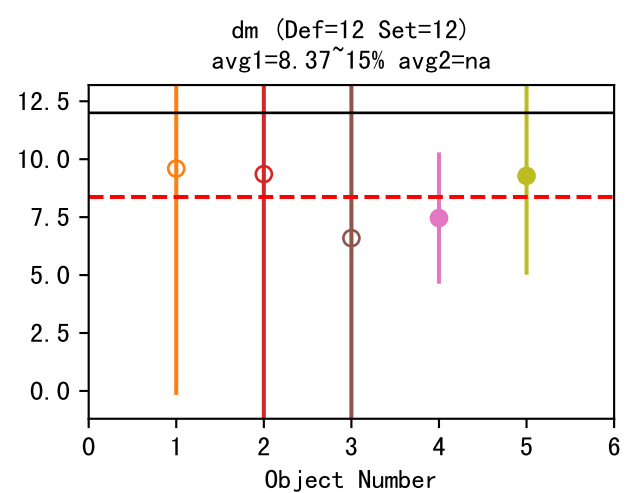
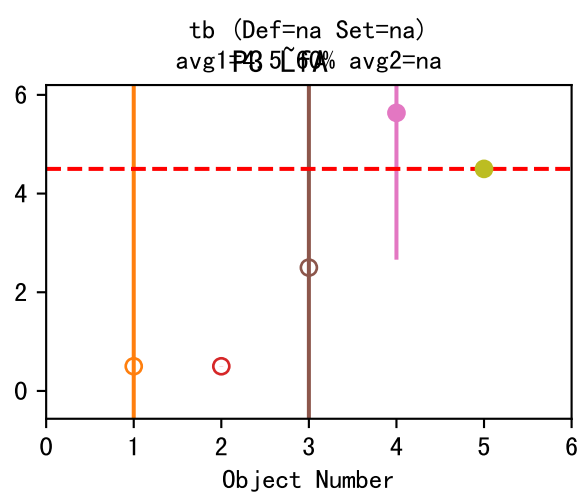
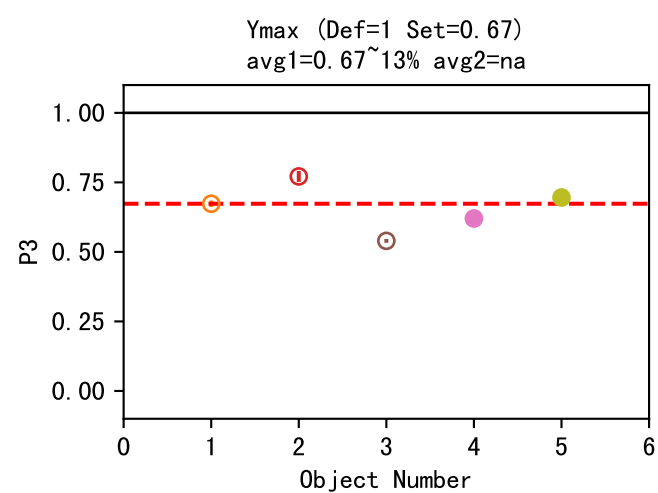


P3-110-23L10 (fit failed)

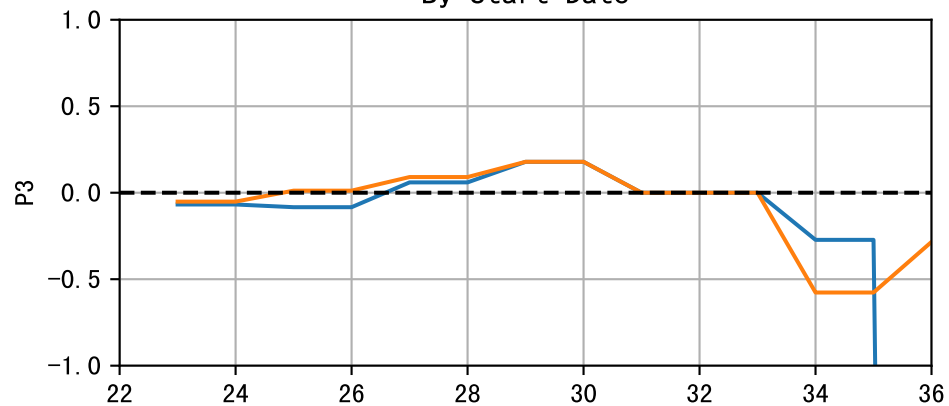


P3-110-23L6 (fit failed)

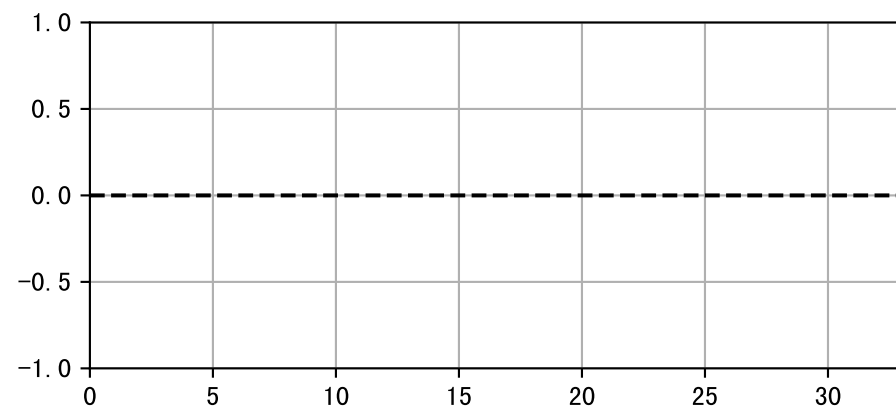
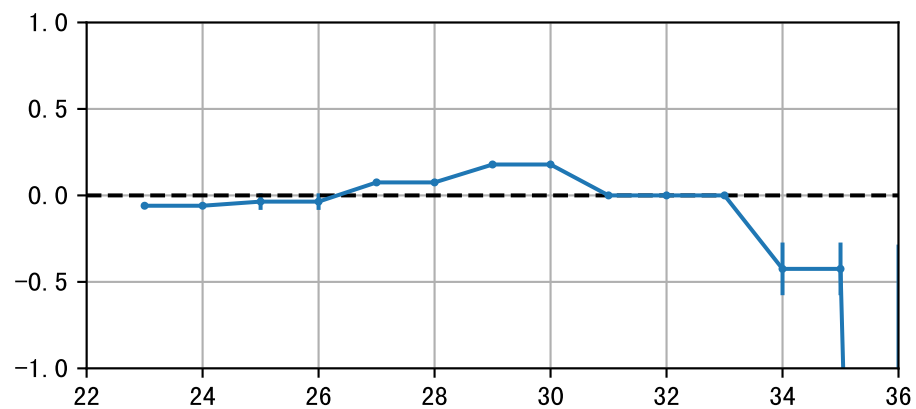
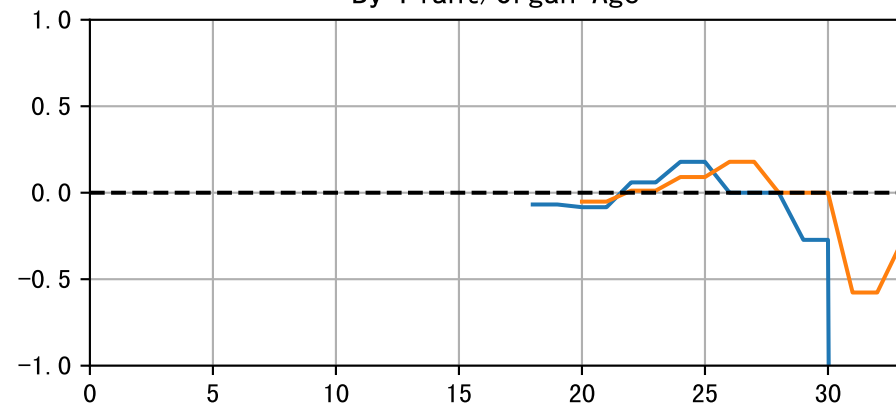




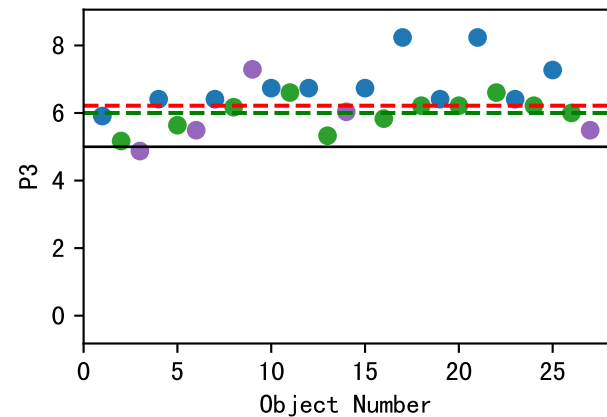
By Start Date



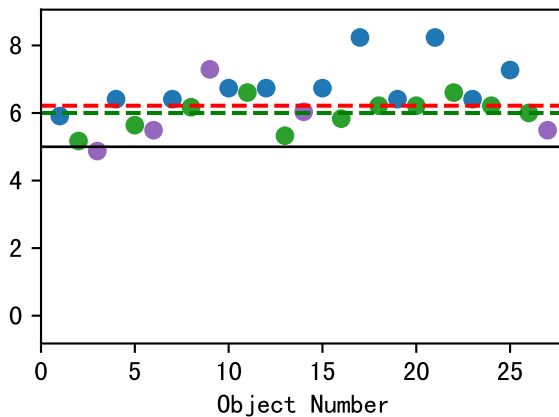
By Plant/Organ Age



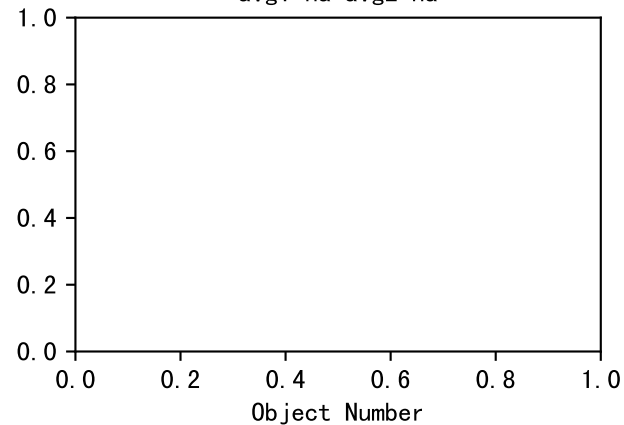
FI_dm (Def=5 Set=6.22)
avg1=6.22~9% avg2=6.0~15%



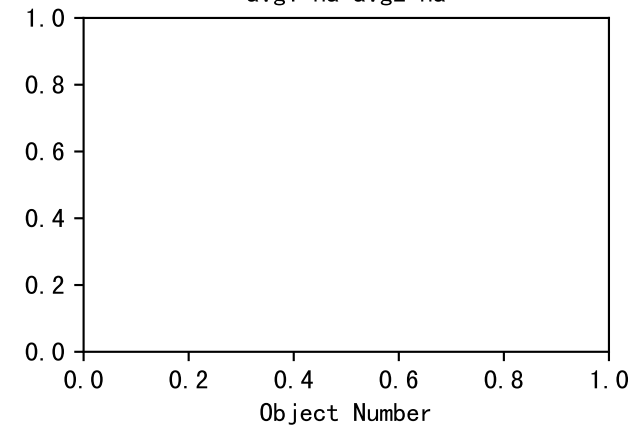
FI_de (Def=5 Set=6.22)
avg1=6.22~9% avg2=6.0~15%



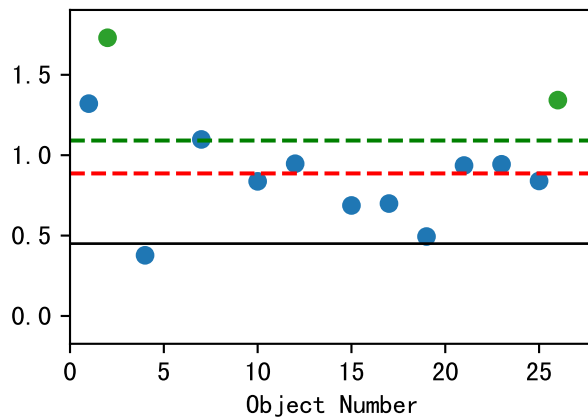
FrV_dm (Def=18 Set=18)
avg1=na avg2=na



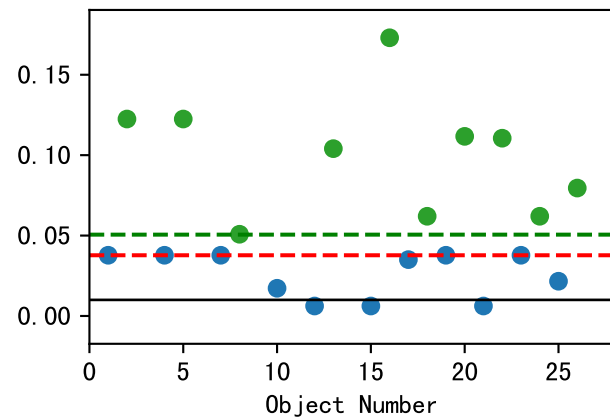
FrV_de (Def=15 Set=15)
avg1=na avg2=na



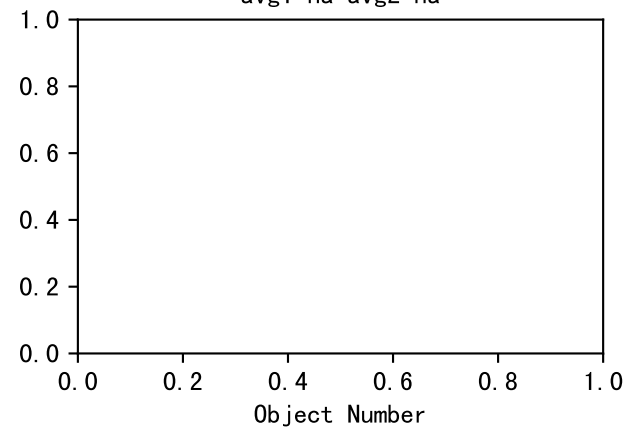
FrN_a (Def=0.45 Set=0.89)
avg1=0.89~32% avg2=1.09~33%



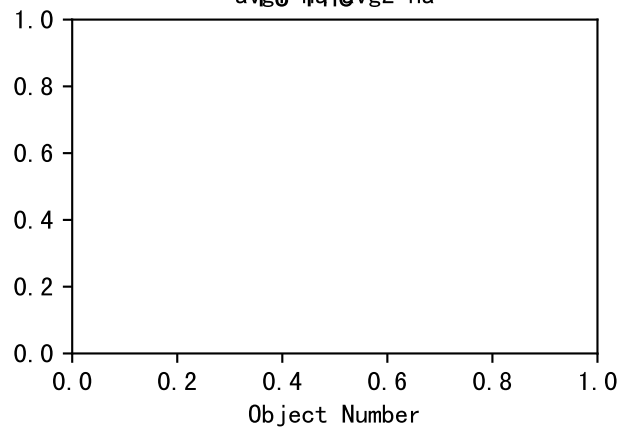
FSDdevStage (Def=0.01 Set=0.03)
avg1=0.04~127% avg2=0.05~81%



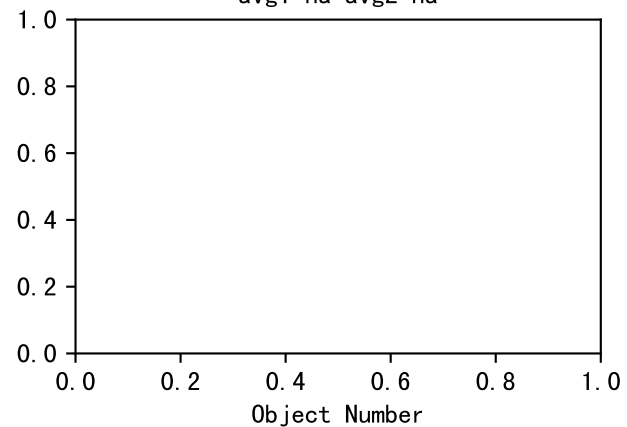
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



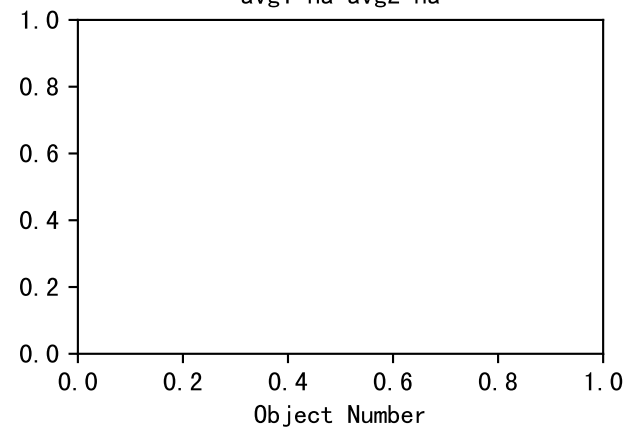
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



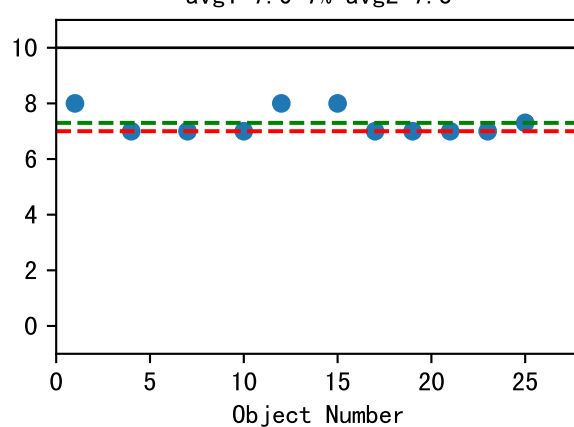
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

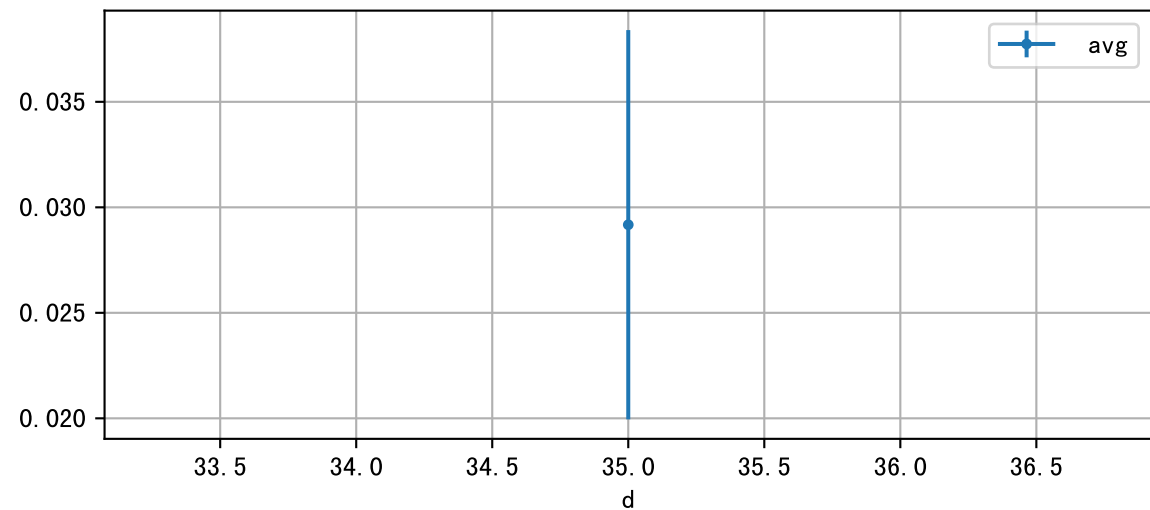


NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

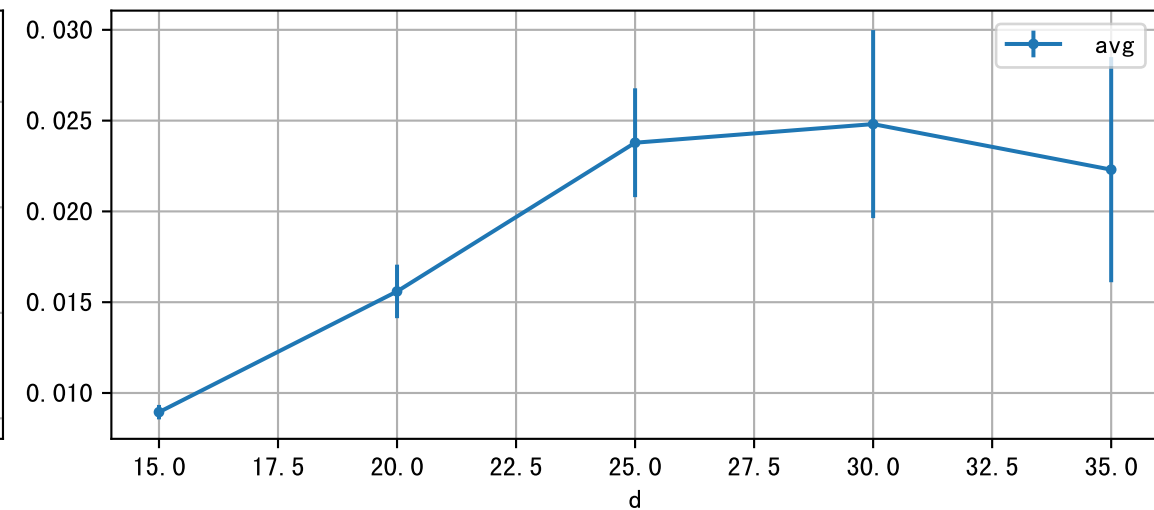


LfA: avg vs. d at each age group

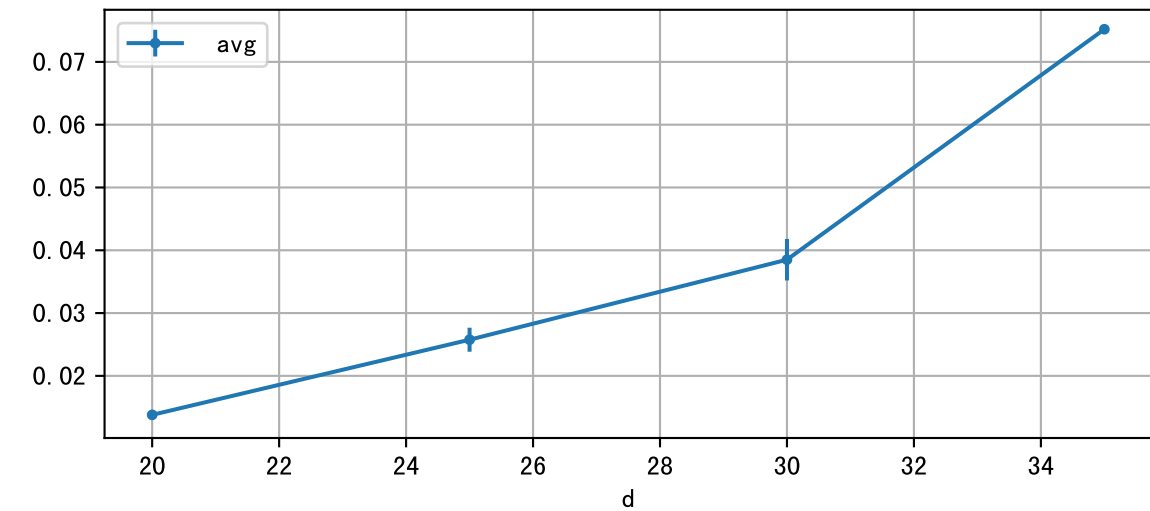
age=15



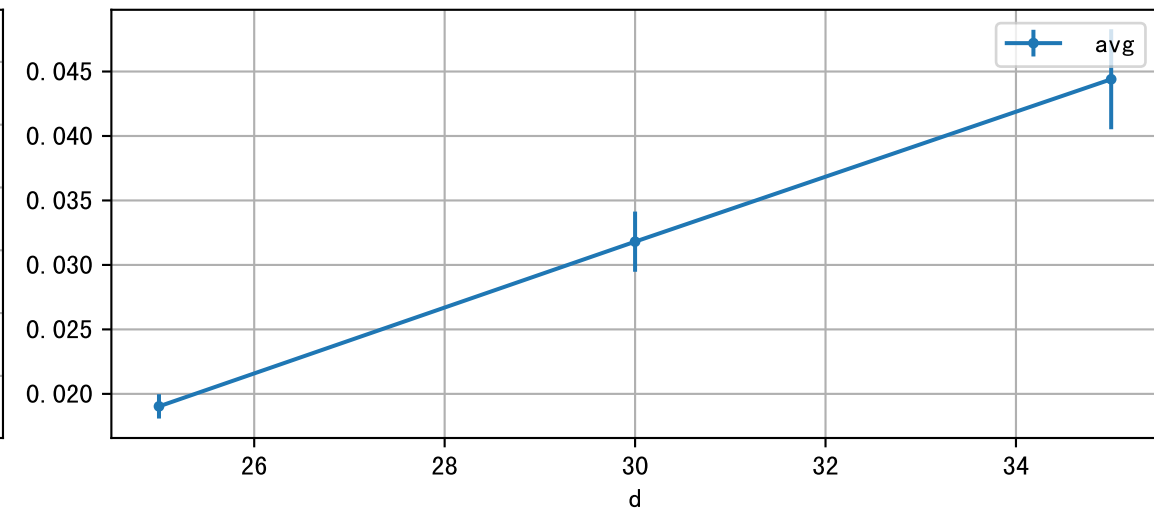
age=20



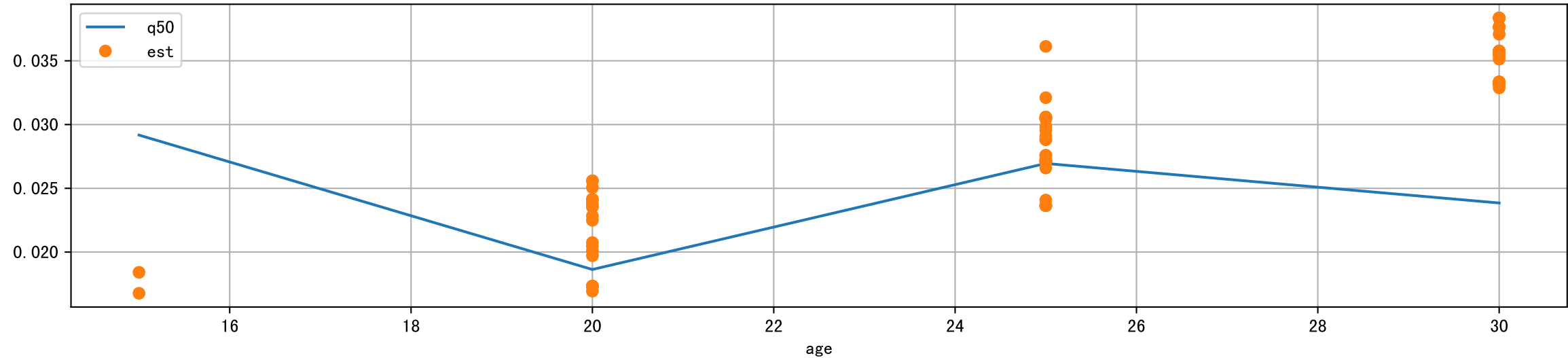
age=25



age=30

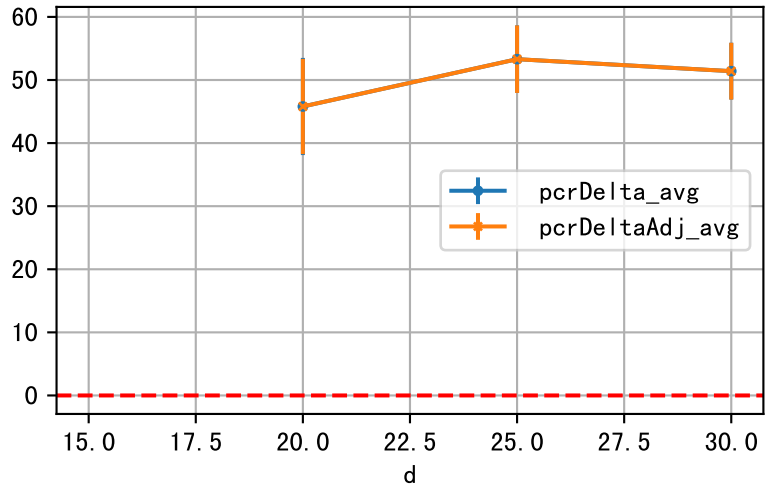


LfA: model est vs obs0v@Q50

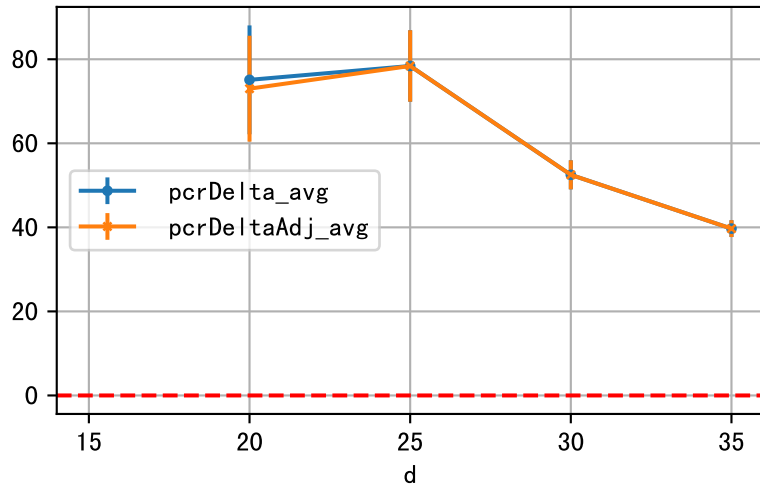


P3 LfA: D_5d_LfA

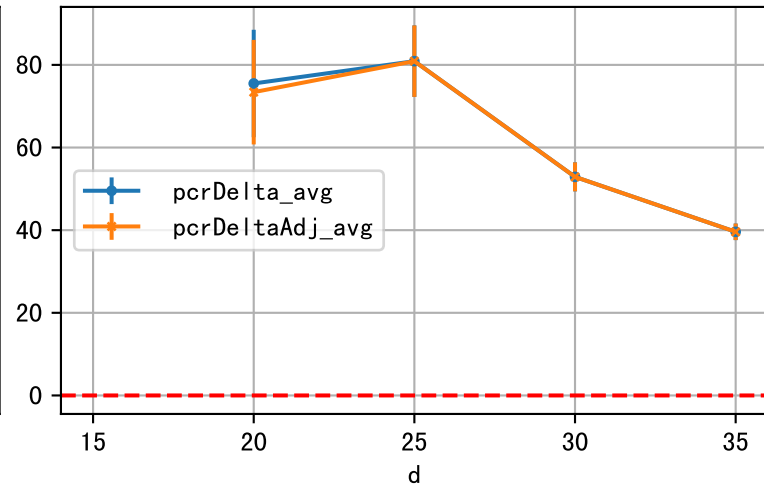
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

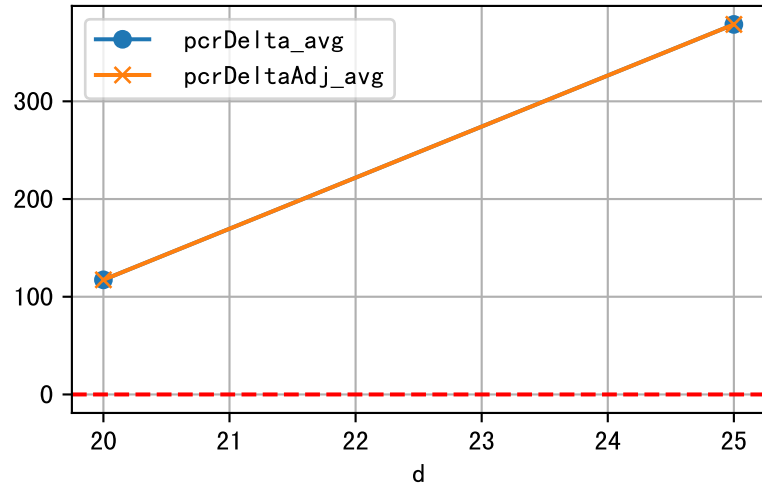


DeltaTypeAbbr=WeiAvgByD

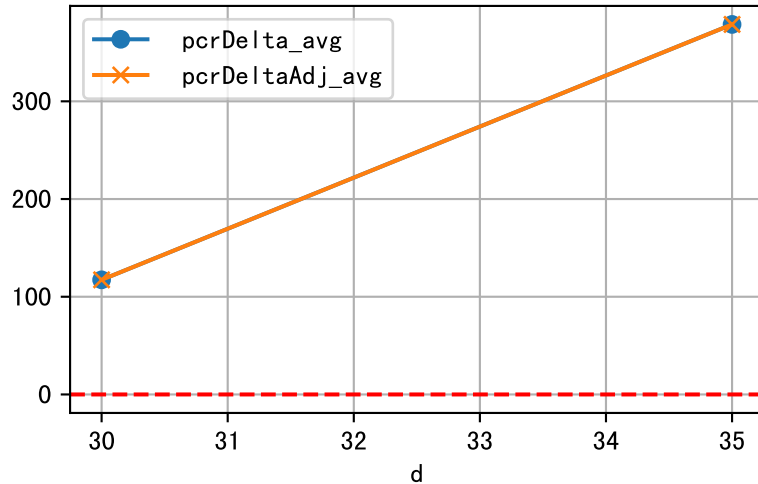


P3 LfA: D_15d_LfA

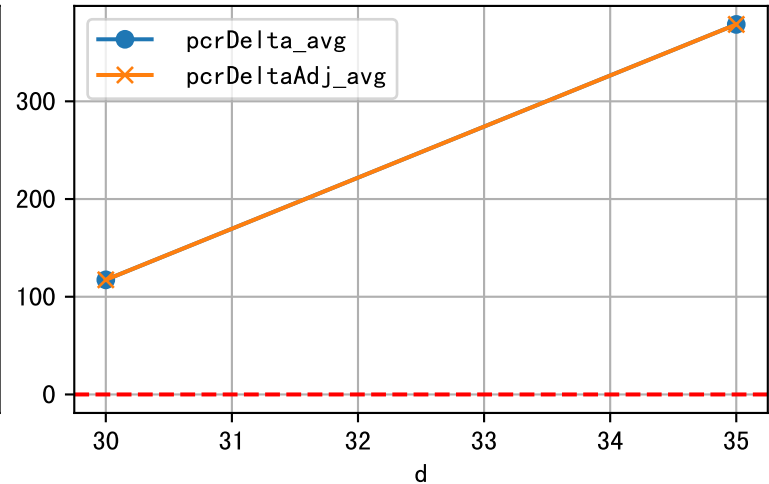
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

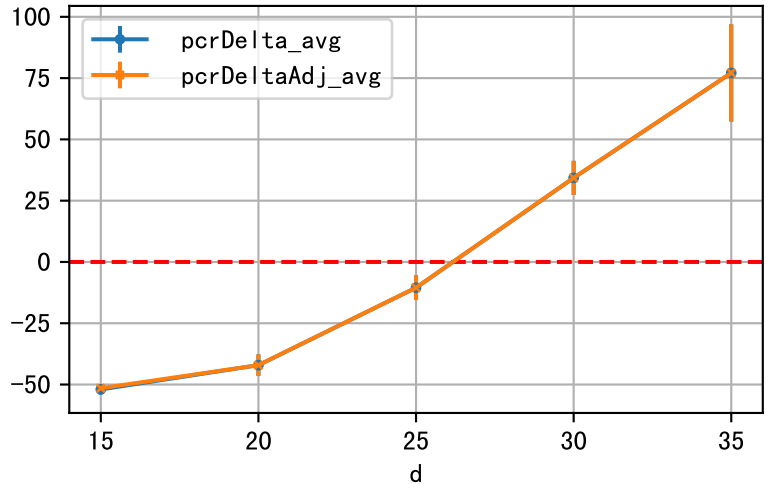
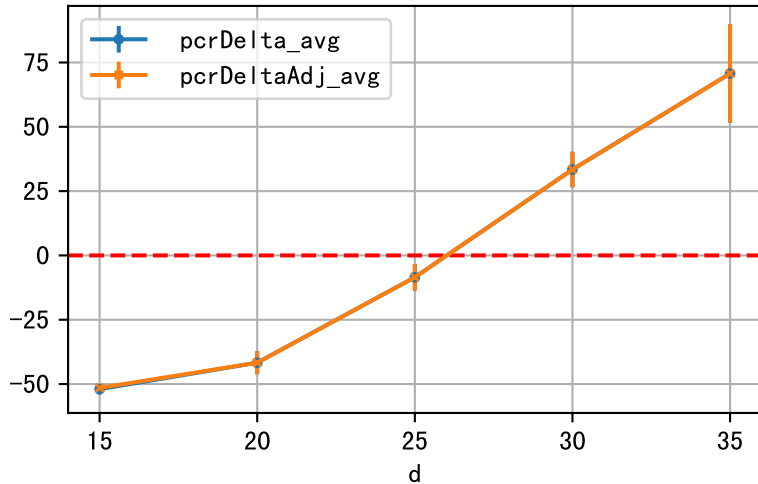
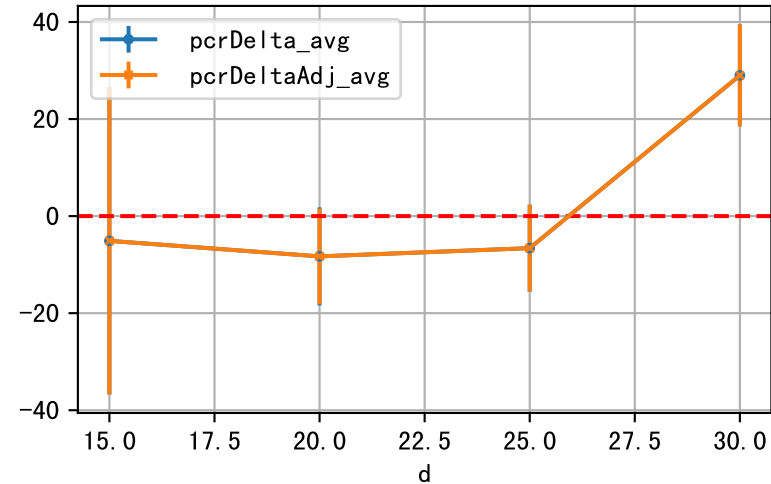


P3 LfA: D_Q50_LfA

DeltaTypeAbbr=GrpByAge

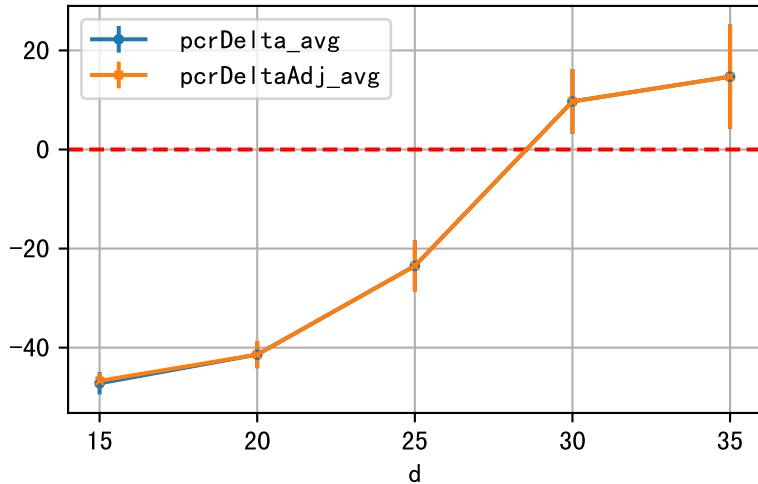
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

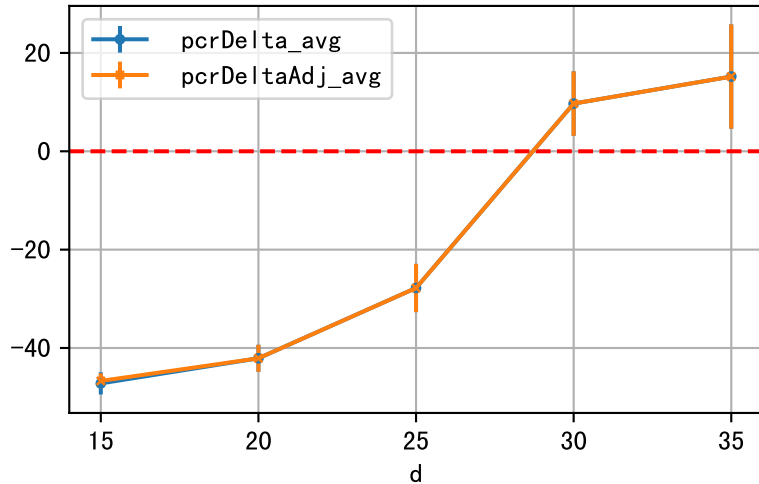


P3 LfA: D_Est_LfA

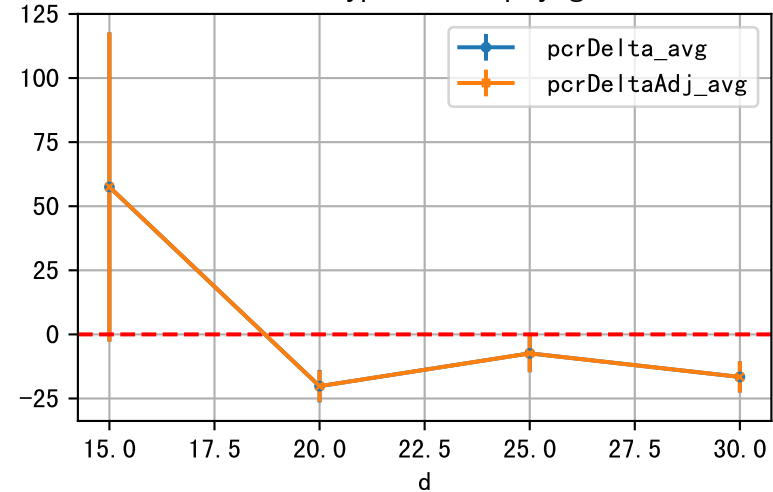
DeltaTypeAbbr=GrpByDay



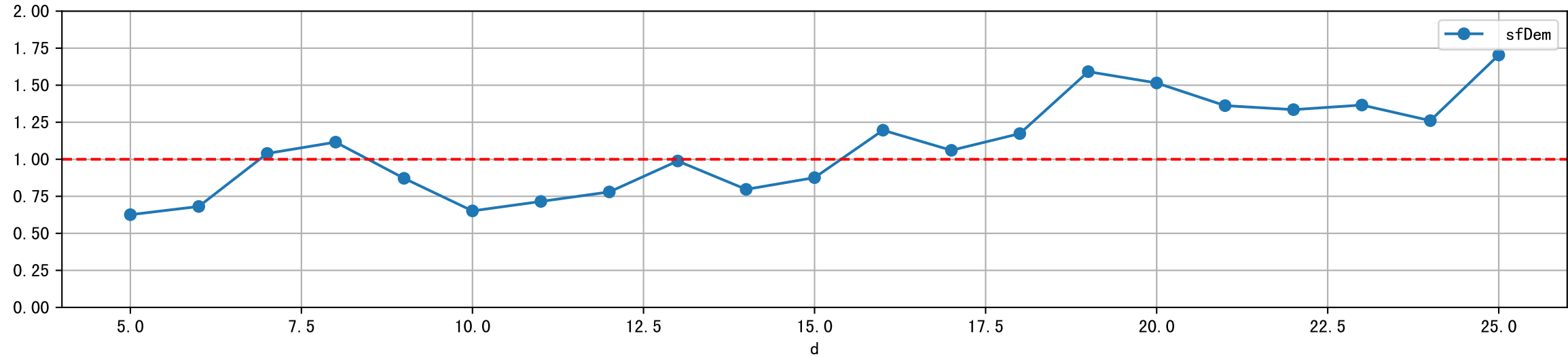
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge



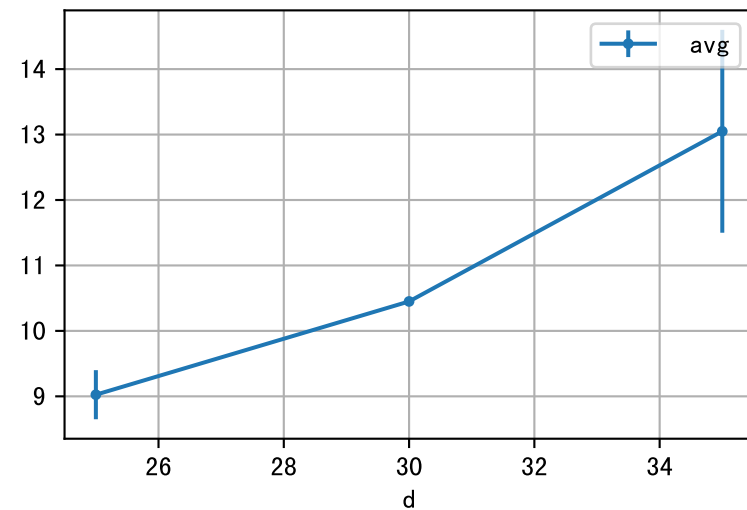
LfA: sfDem



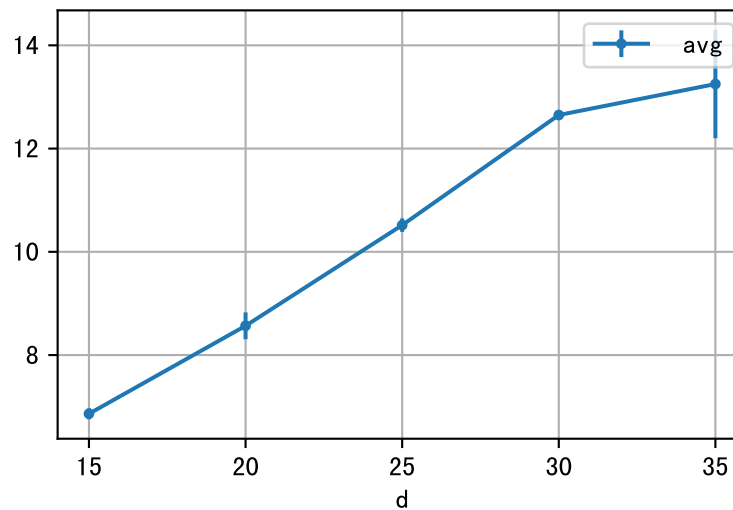


NdD: avg vs. d at each age group

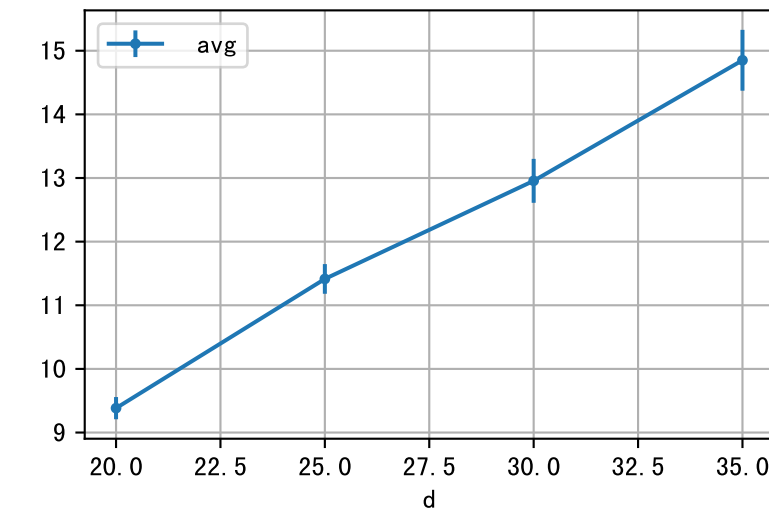
age=15



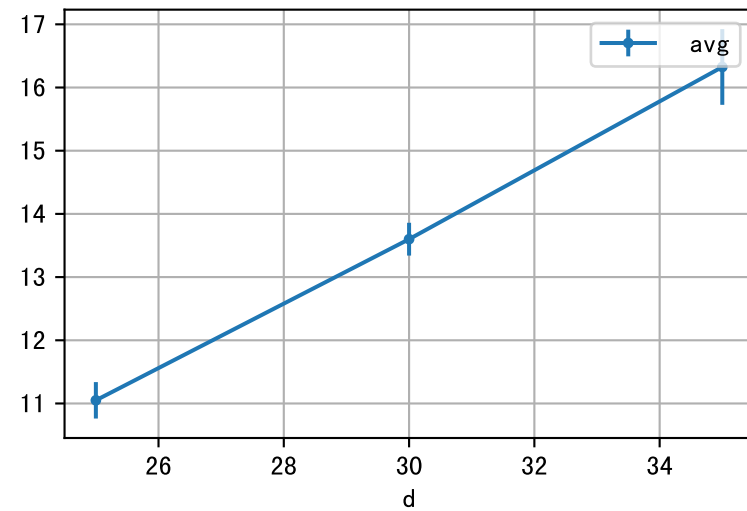
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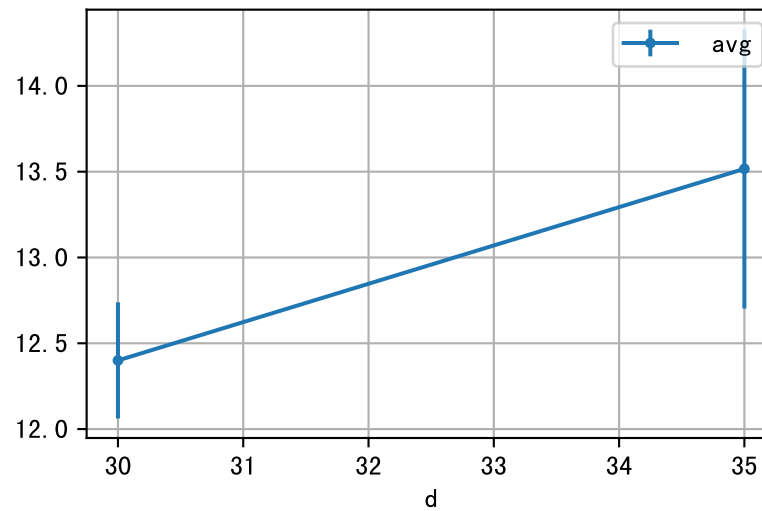
age=25



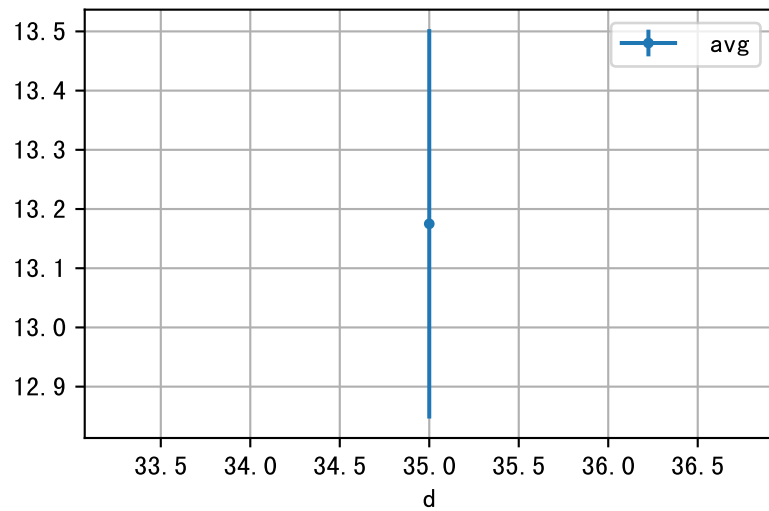
age=30



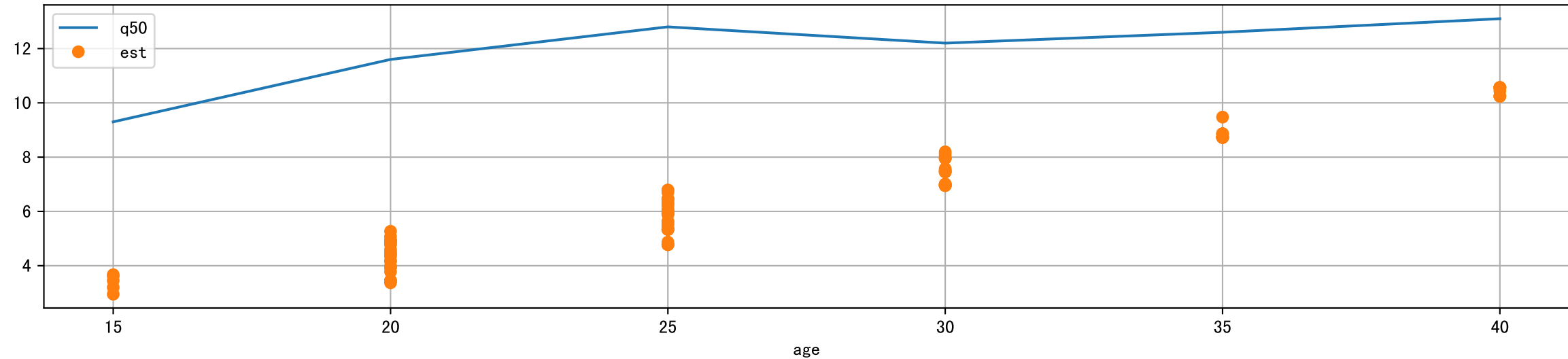
age=35



age=40

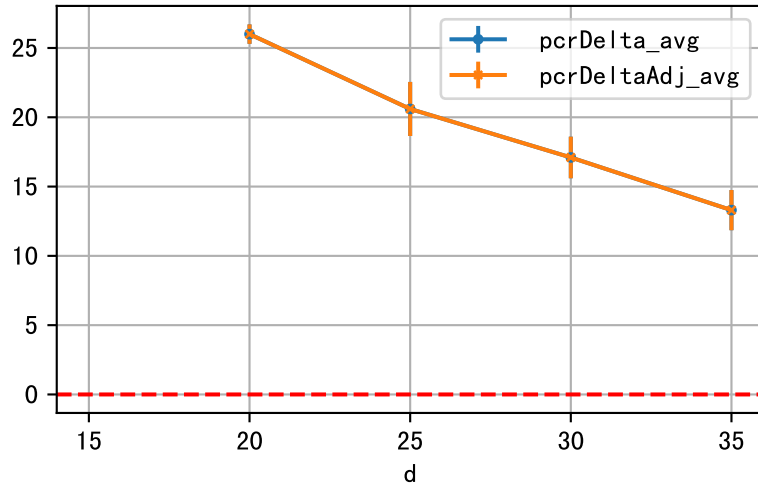


NdD: model est vs obs0v@Q50

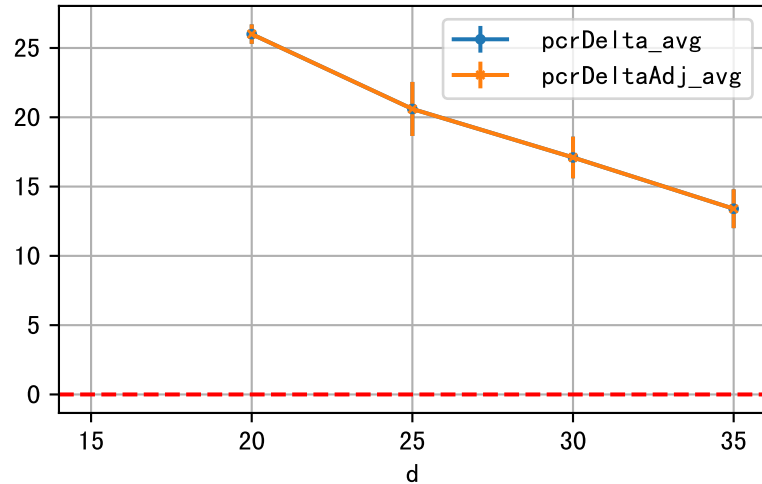


P3 NdD: D_5d_NdD

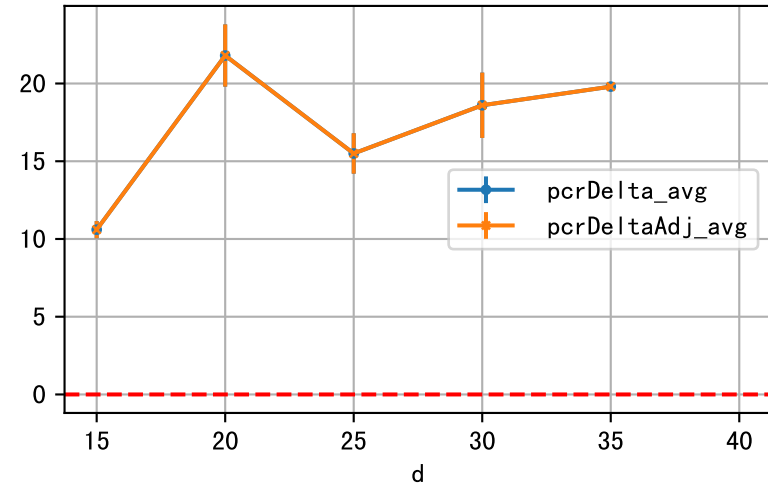
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

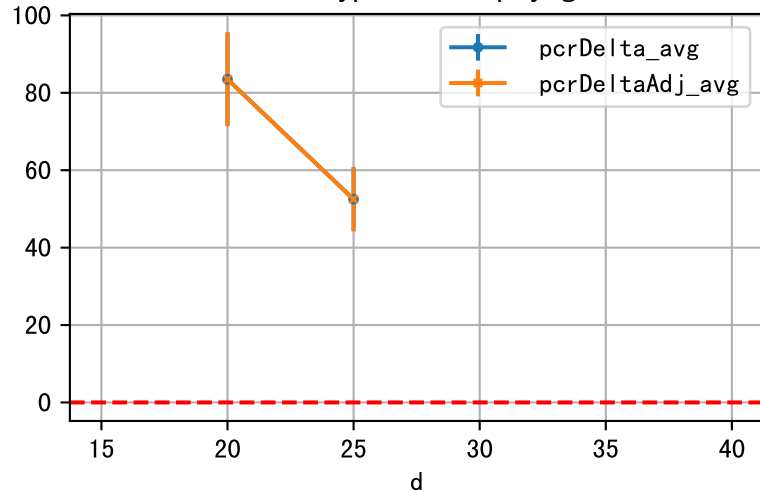


DeltaTypeAbbr=GrpByAge

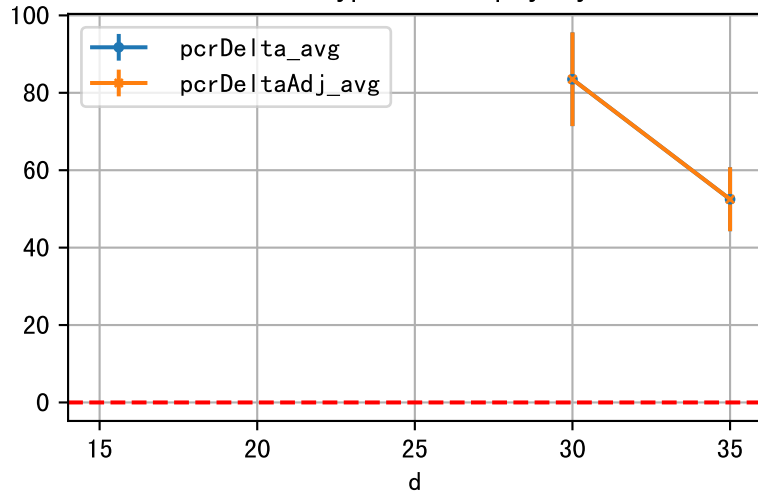


P3 NdD: D_15d_NdD

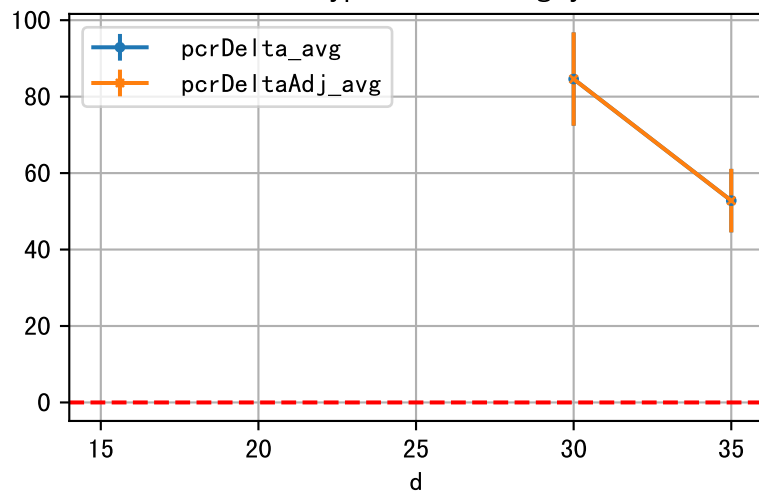
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

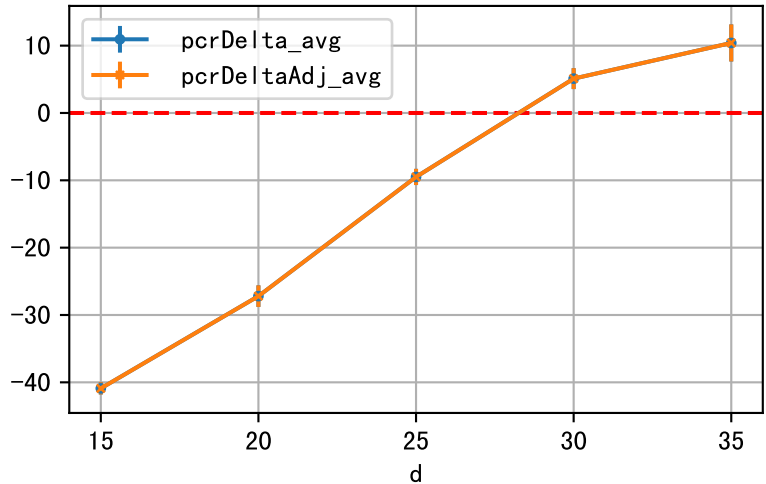
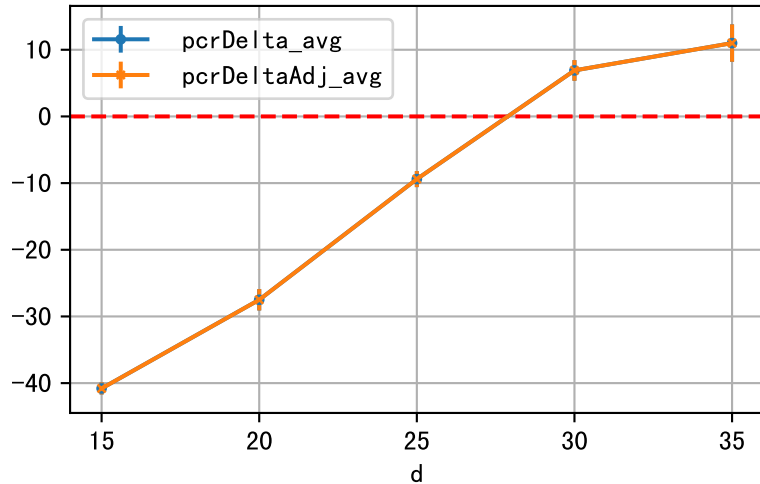
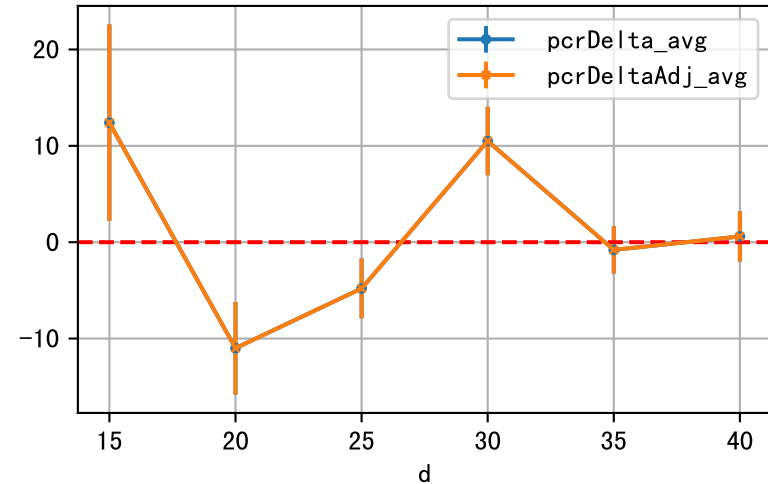


P3 NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByAge

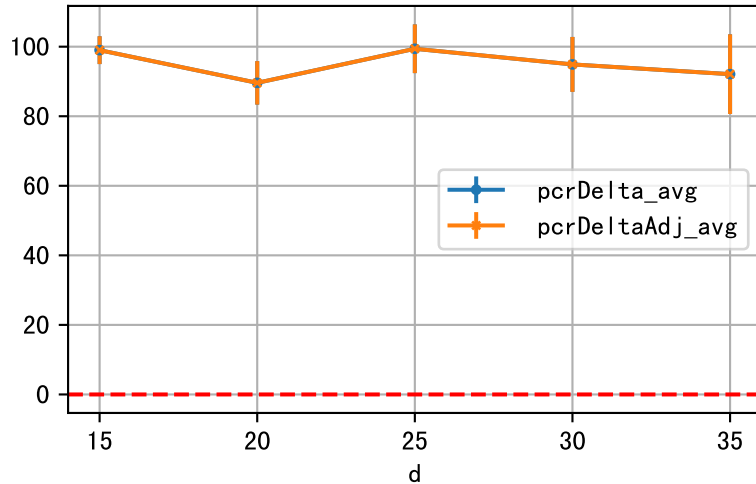
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

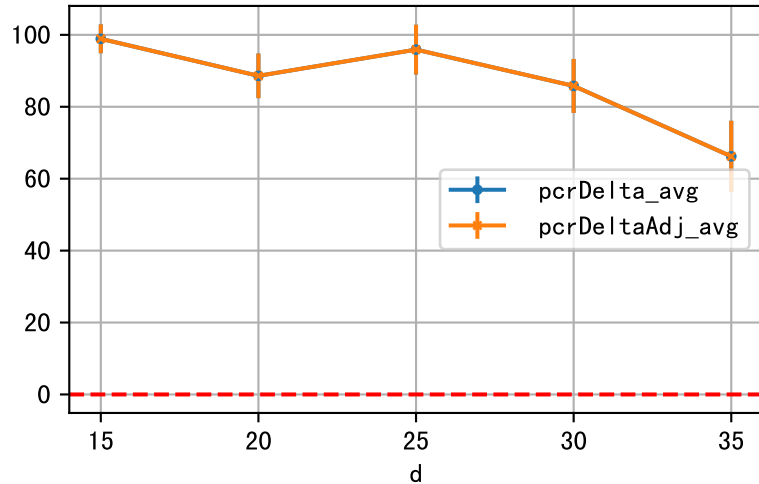


P3 NdD: D_Est_NdD

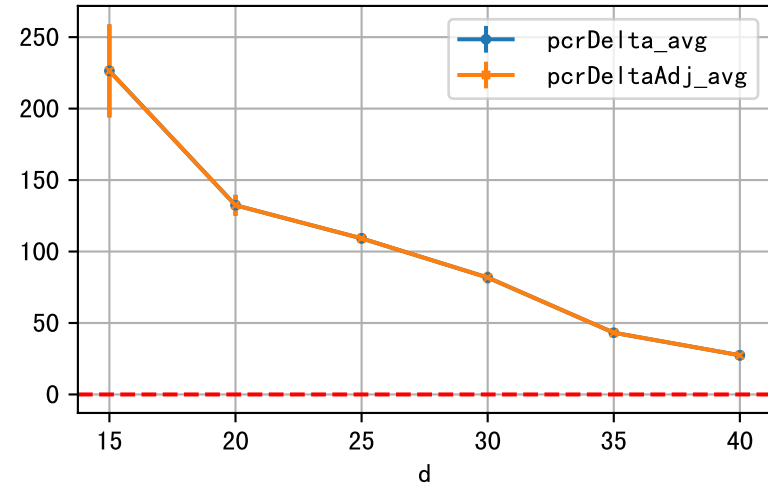
DeltaTypeAbbr=GrpByDay



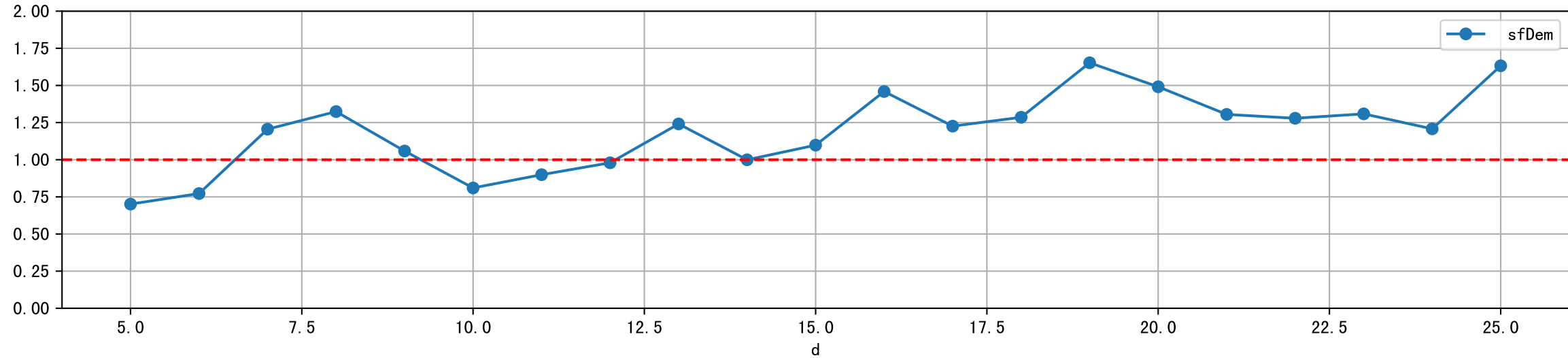
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge

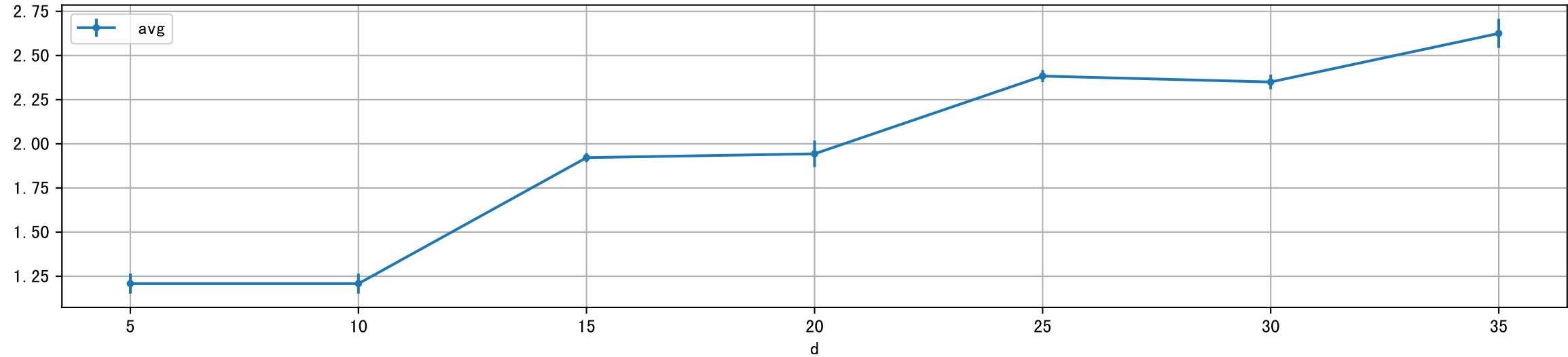


NdD: sfDem

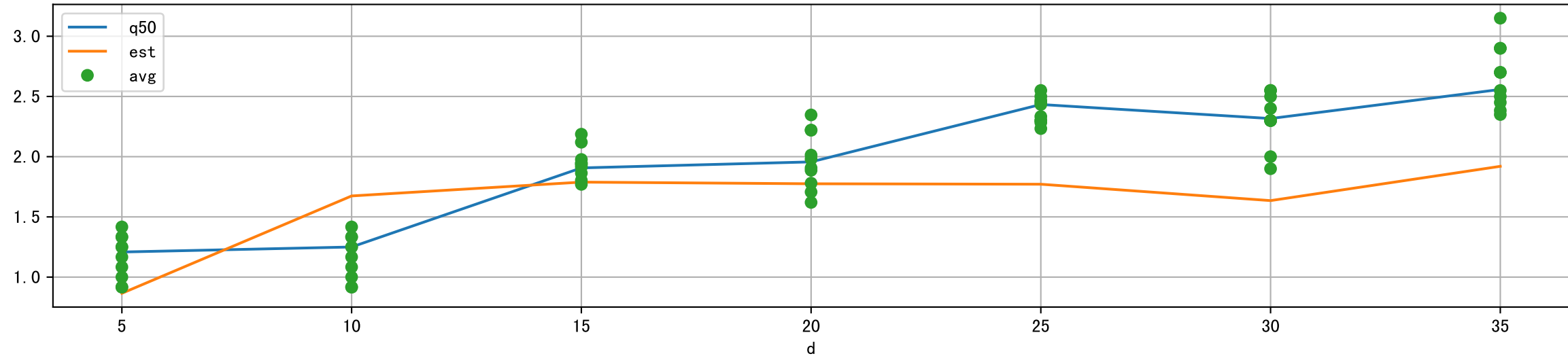




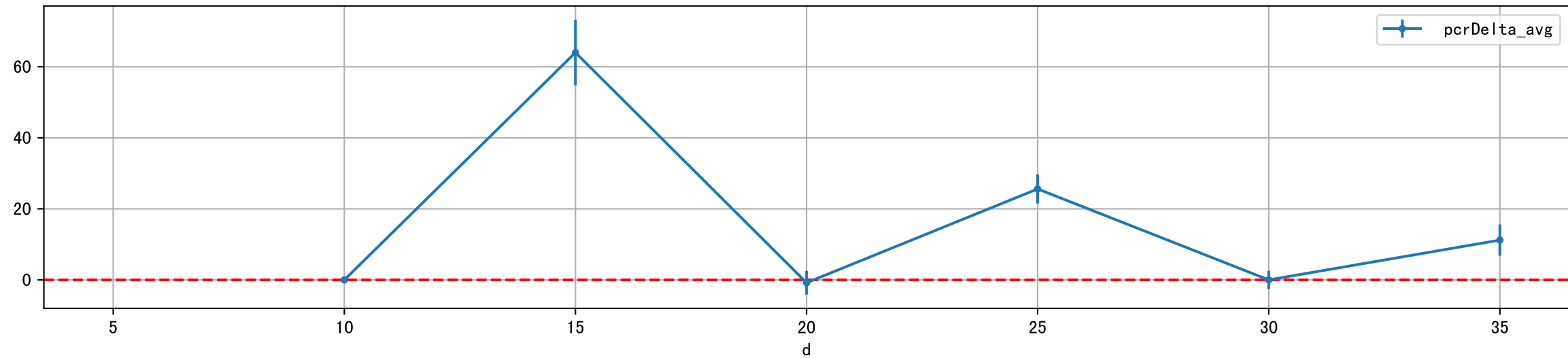
dStH: avg vs. d



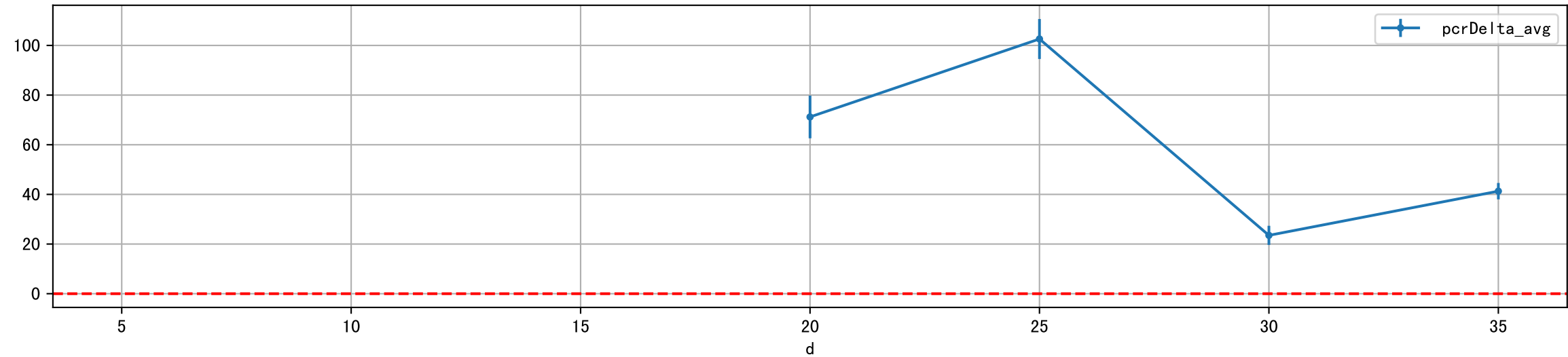
dStH: obsAvg vs obs0v@Q50



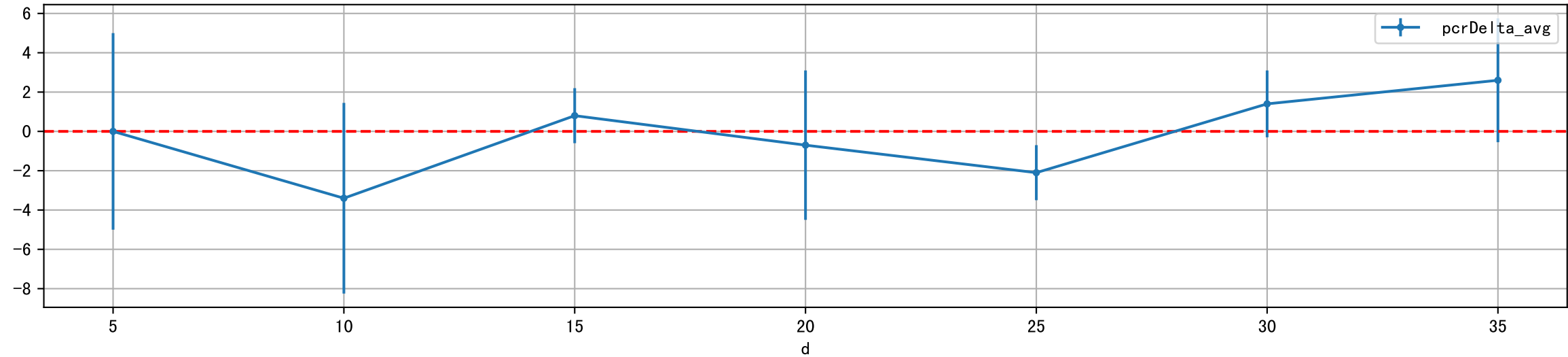
dStH: D_5d_StH



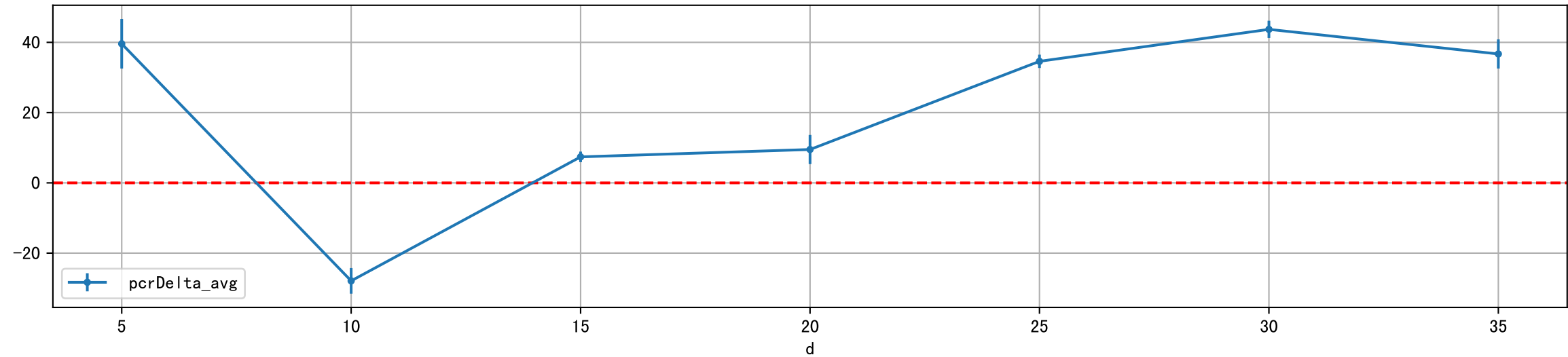
dStH: D_15d_StH



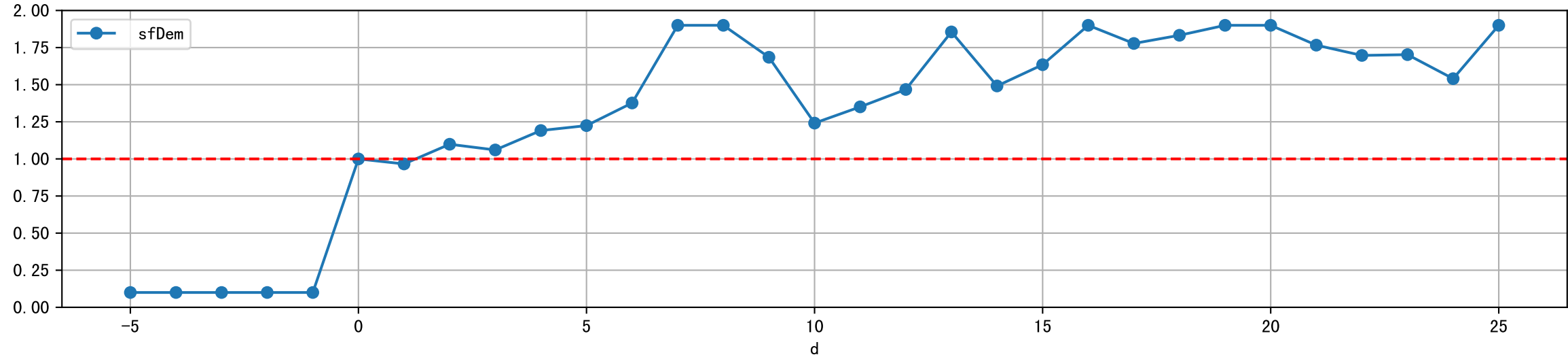
dStH: D_Q50_StH



dStH: D_Est_StH

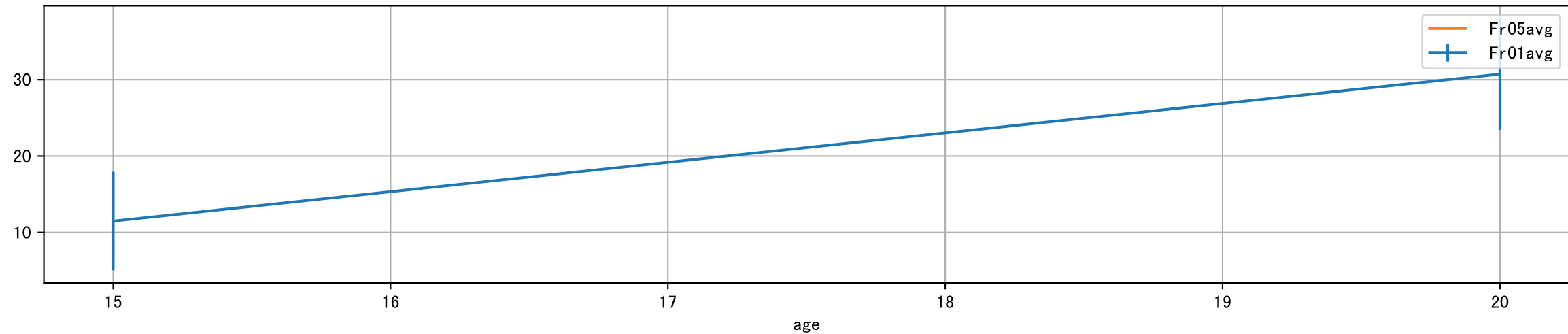


dStH: sfDem



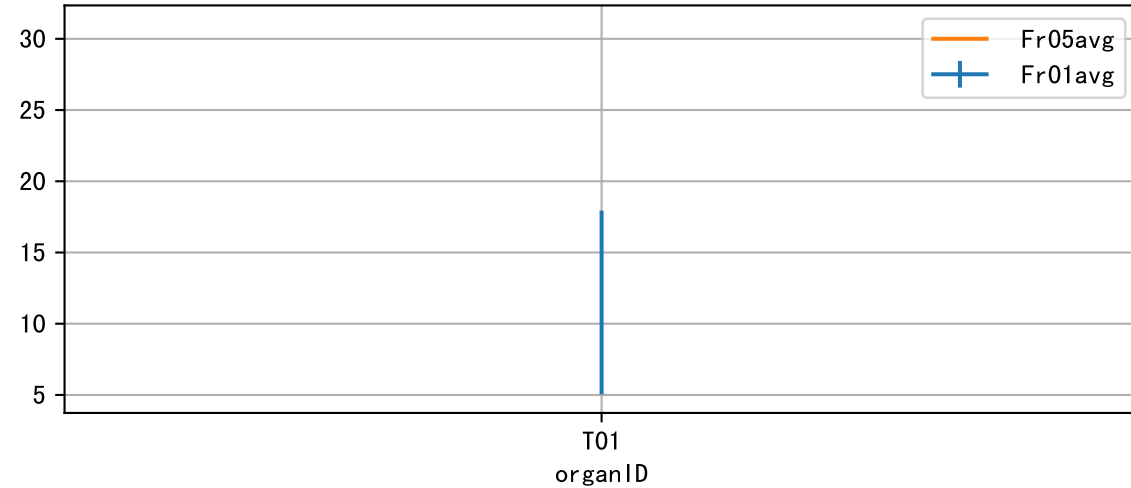


FrV: Fr01 vs Fr05 at each truss
organID=T01

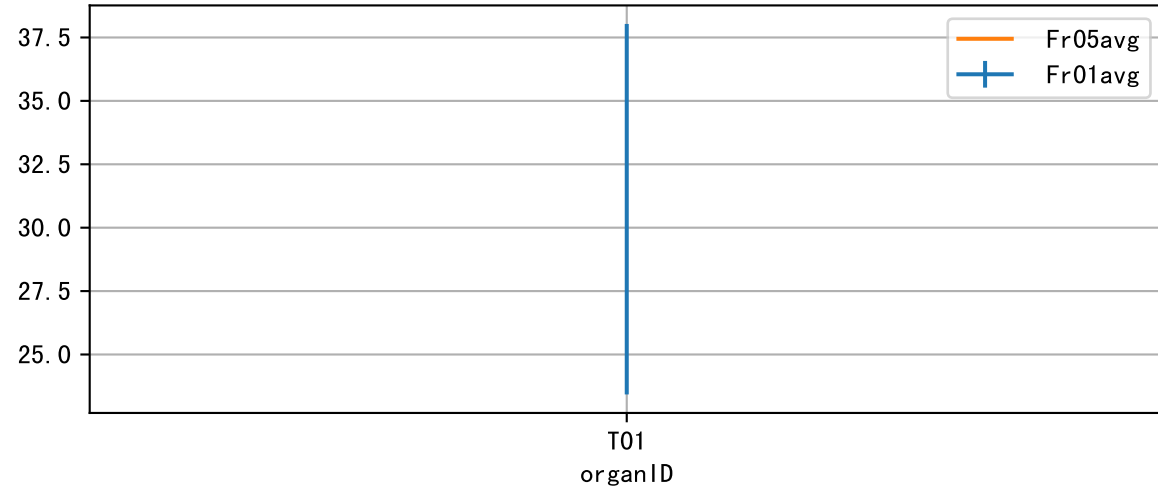


FrV trend at each age

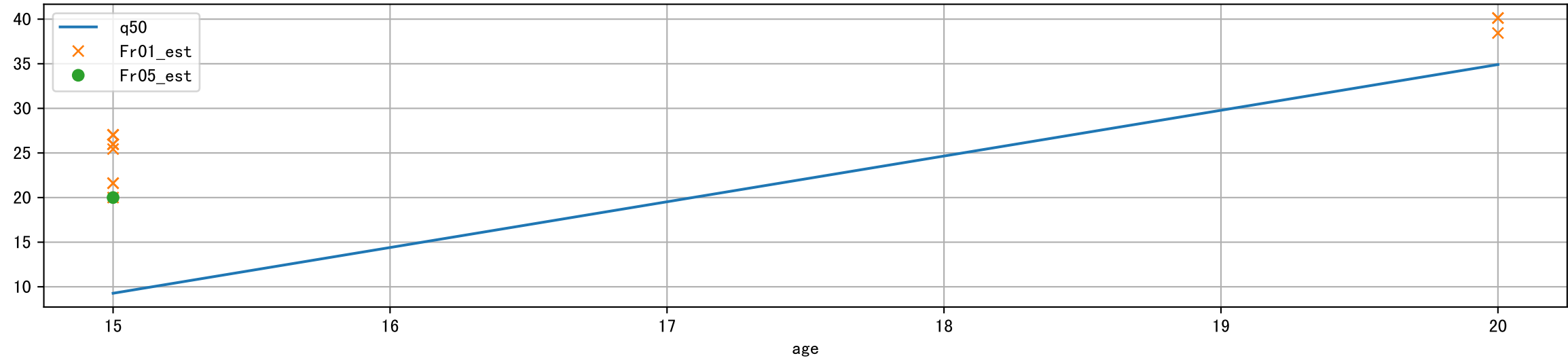
age=15



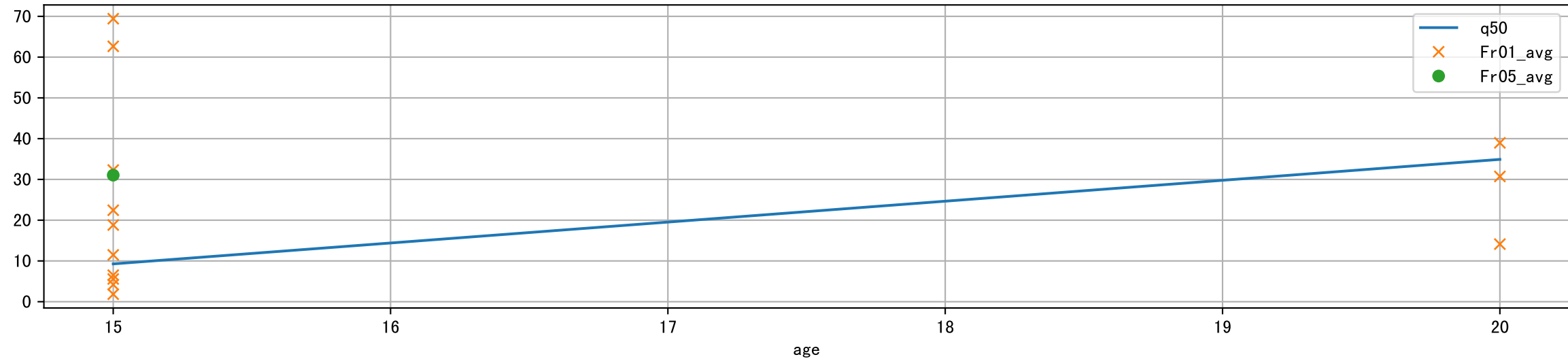
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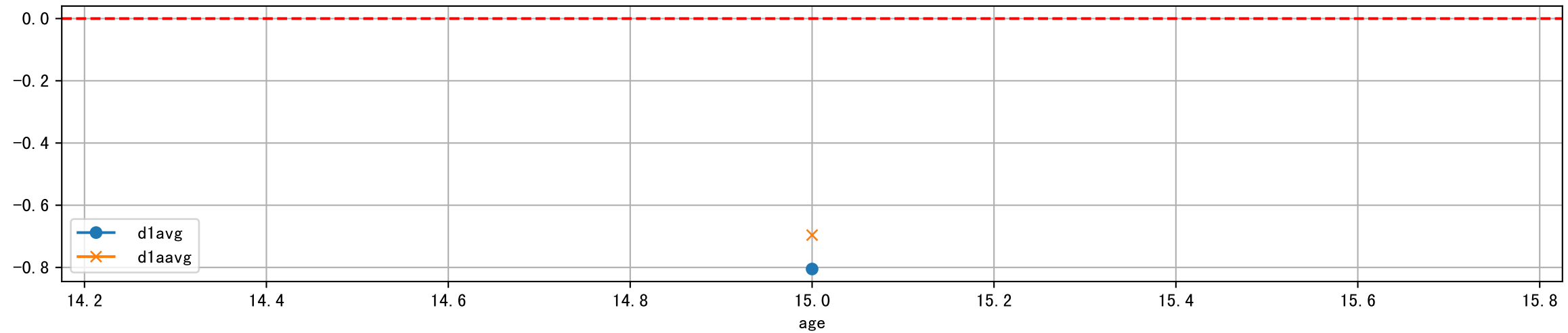
FrV: model Est vs obsFrV at Q90



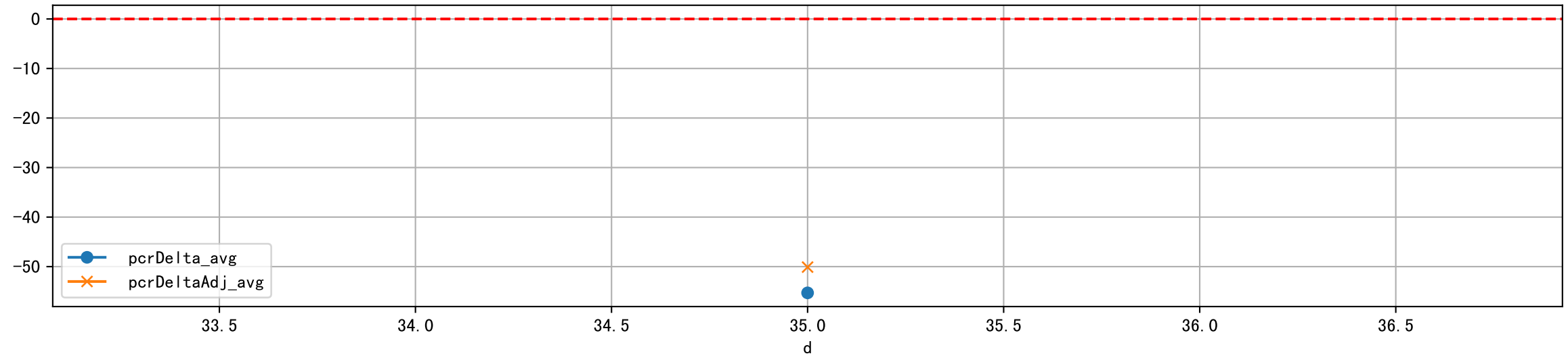
FrV: obsFrV vs obsFrV@Q90



FrV: D_Fr1_FrV
organID=1

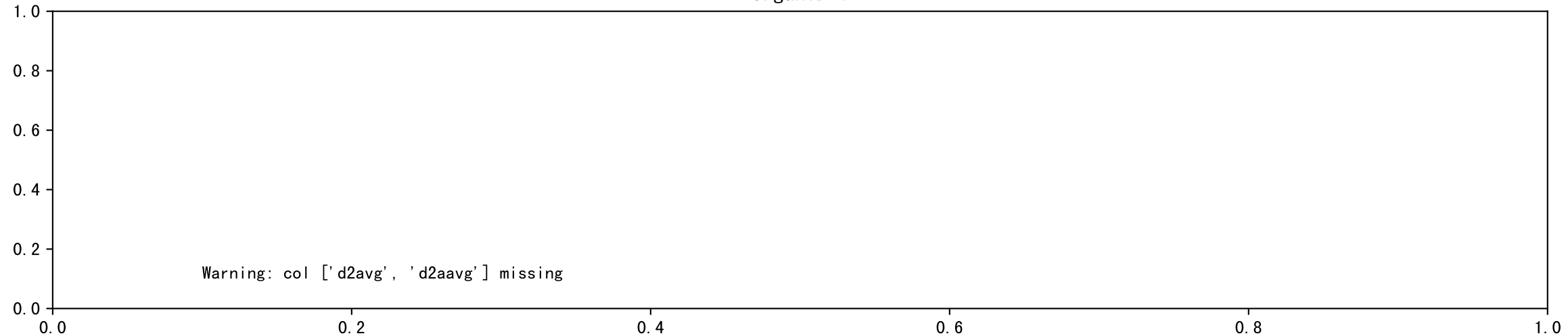


P3 FrV: D_Fr1_FrV

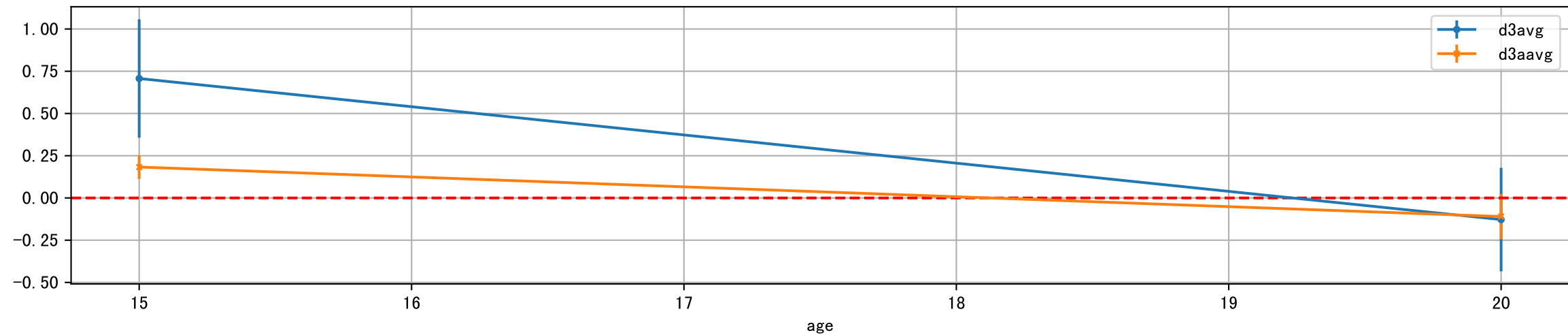


FrV: D_Ts_FrV
organID=1

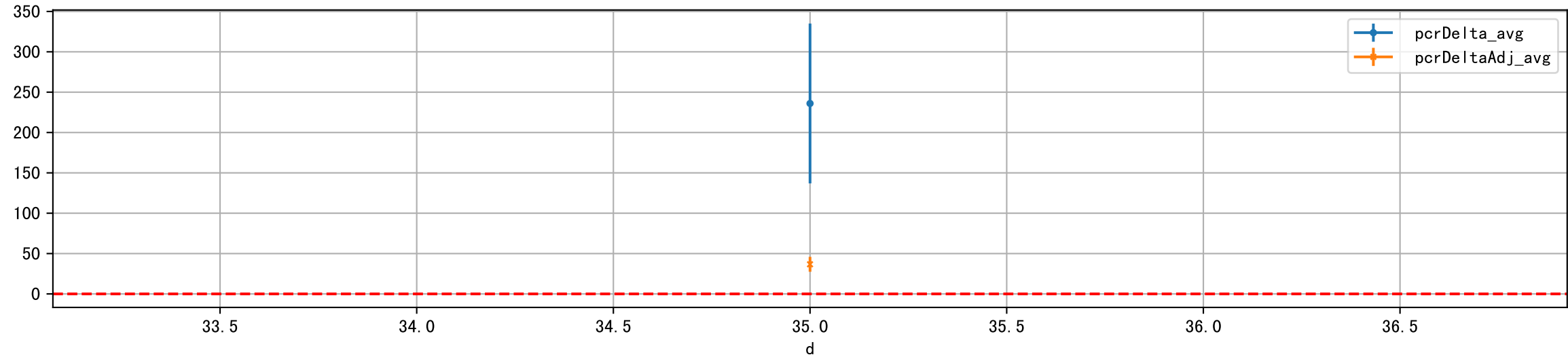
Warning: col ['d2avg', 'd2aavg'] missing



FrV: D_Q50_FrV
organID=1



P3 FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=1

