

Phenotype Data Analysis Plots

PhenoData day range = 5 - 28

Analysis cutoff day = 28

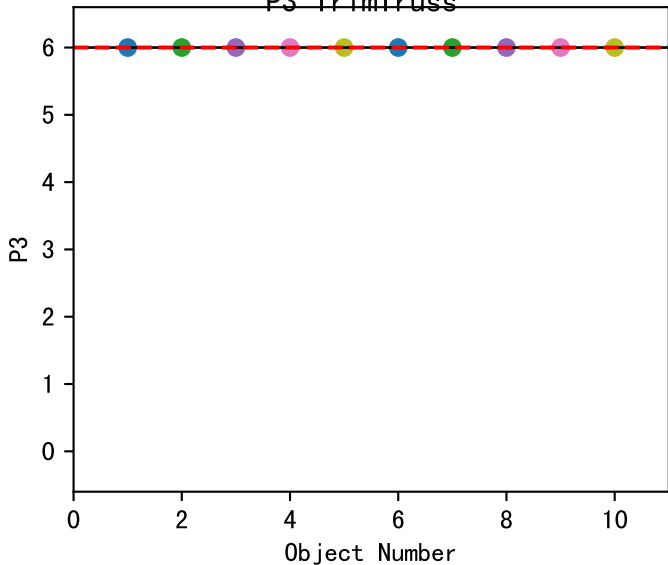
NC11 P3

2025-05-05 (Day 30)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

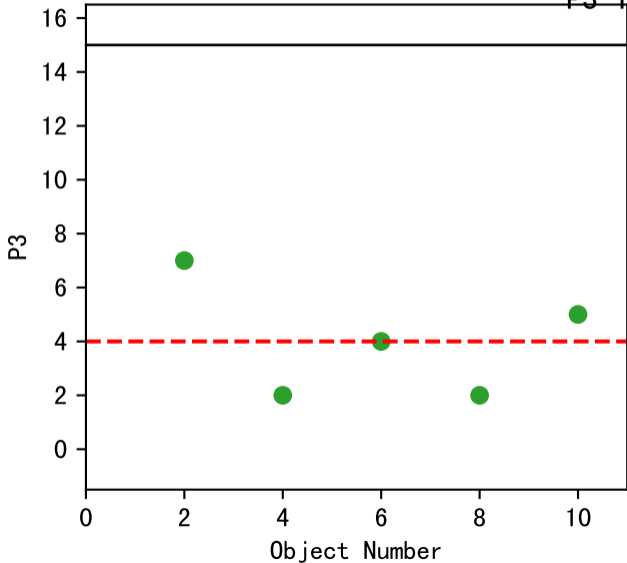
P3 TrimTruss



FruitNumAvgPerTruss (Def=15 Set=4)

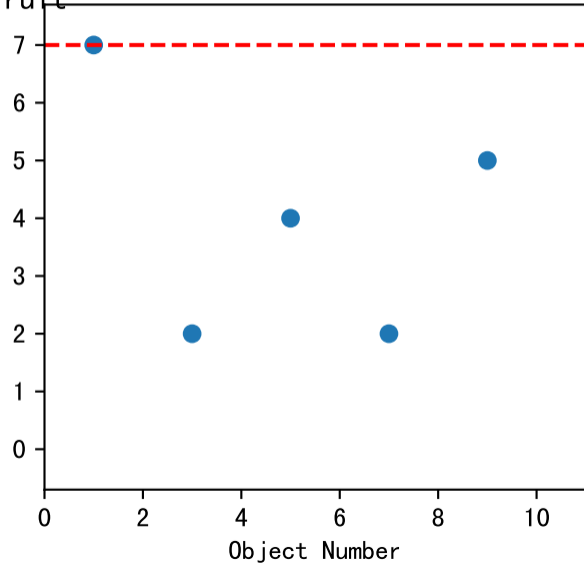
avg1=4.0~53% avg2=na

P3 TrimFruit

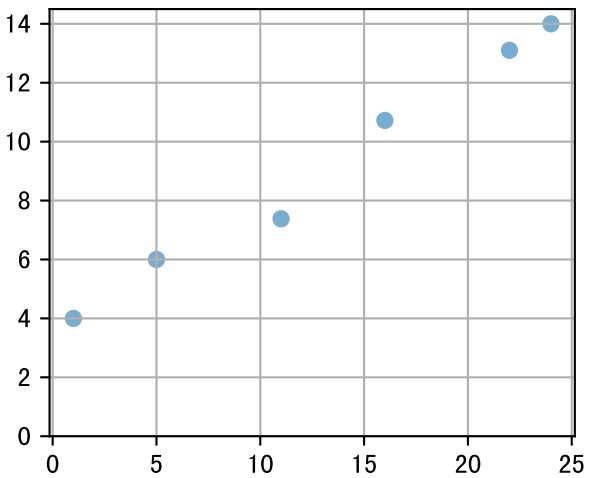


FruitNumMaxPerTruss (Def=na Set=7)

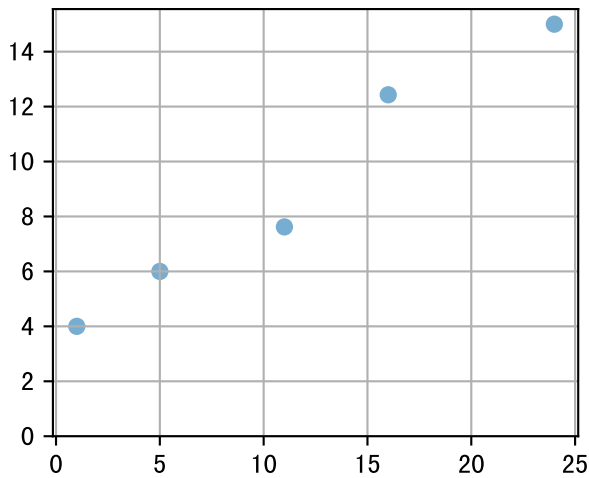
avg1=7.0~34% avg2=na



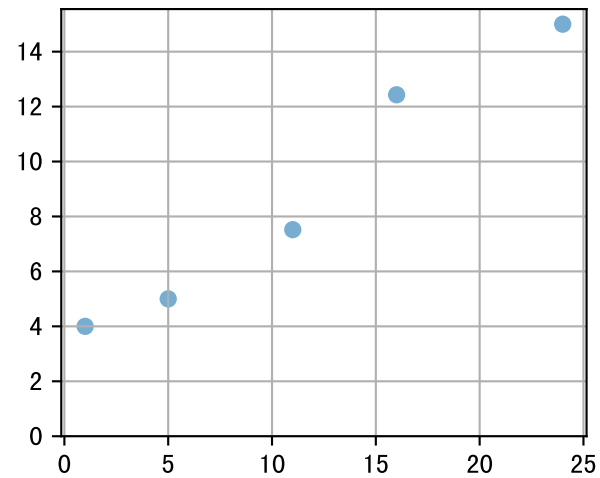
P3-009-13 (fit failed)



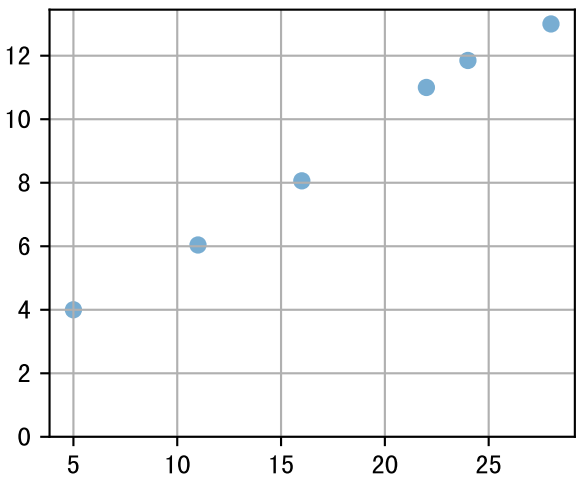
P3-021-19 (fit failed)



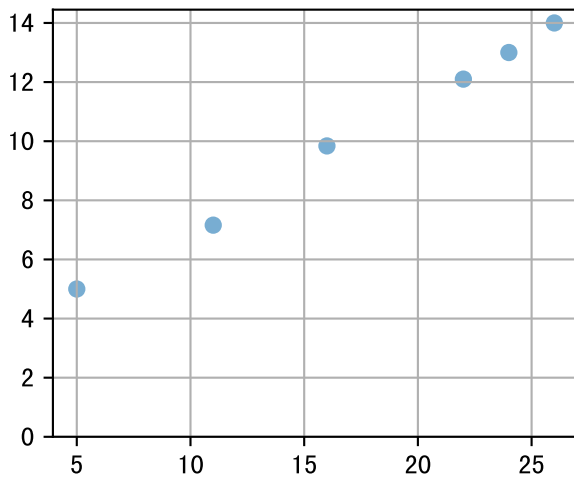
P3-034-5 (fit failed)



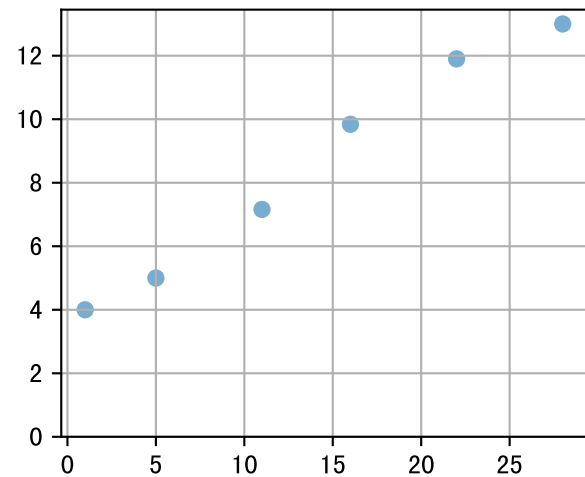
P3-045-17 (fit failed)



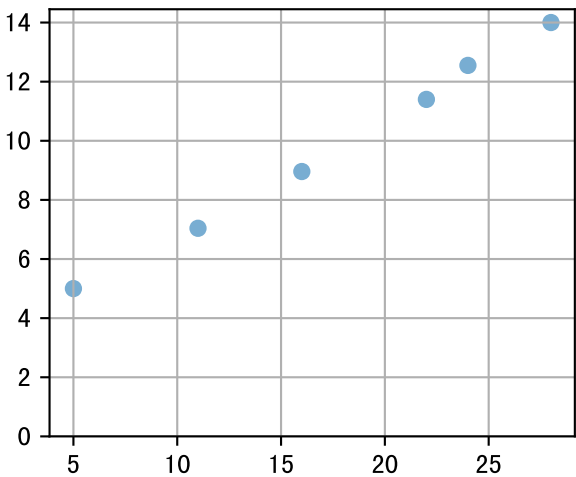
P3-054-28 (fit failed)



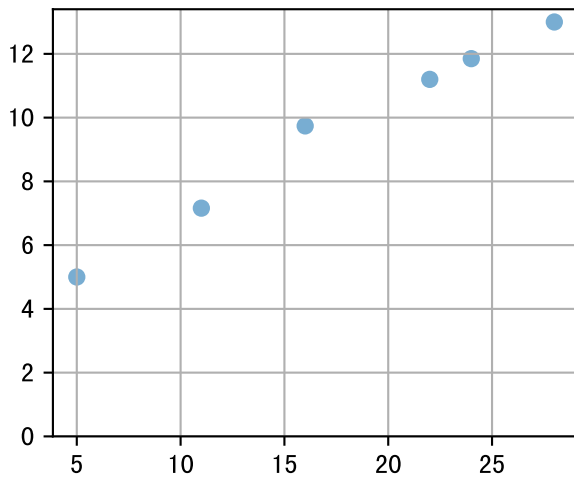
P3-068-4 (fit failed)



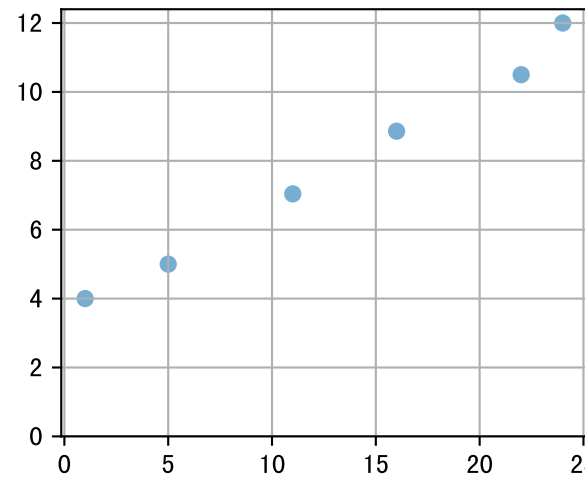
P3-075-19 (fit failed)



P3-084-11 (fit failed)

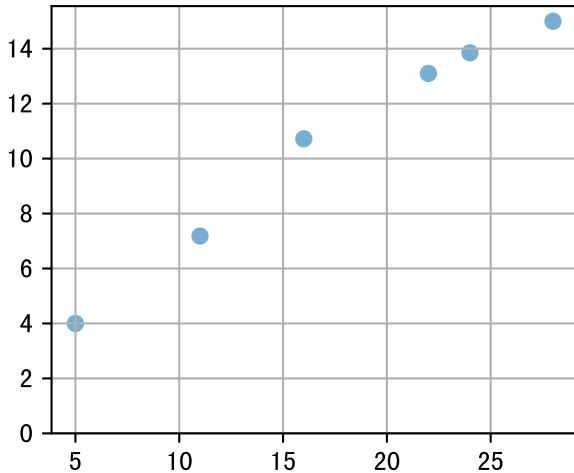


P3-099-4 (fit failed)



P3-110-23 (fit failed)

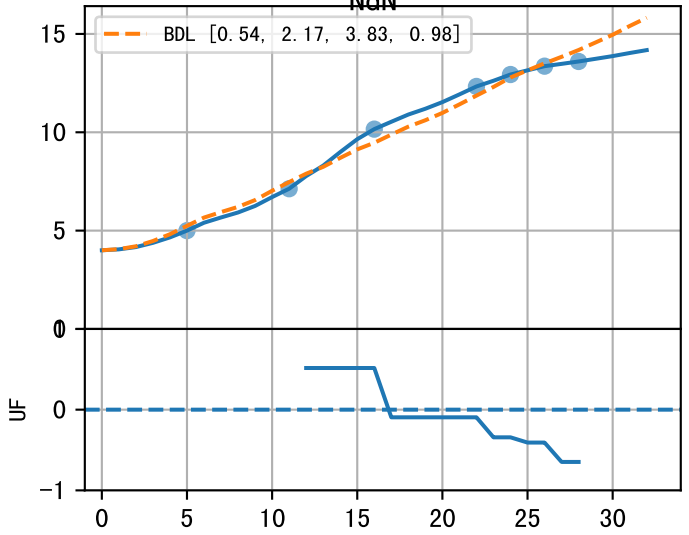
NdN



# P3avg (fit failed)

NdN

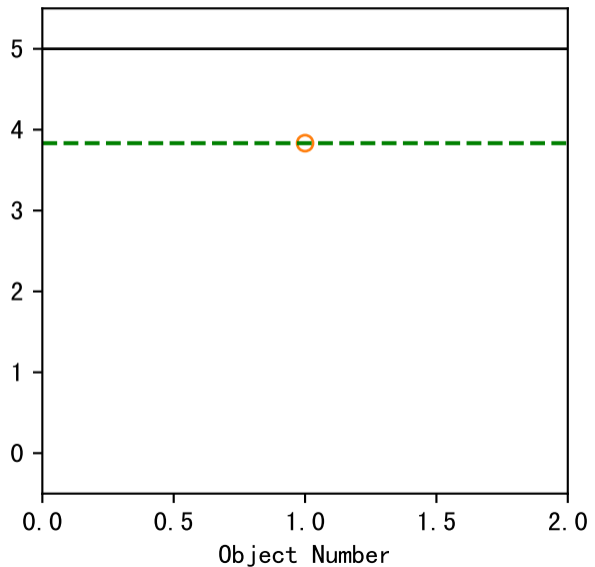
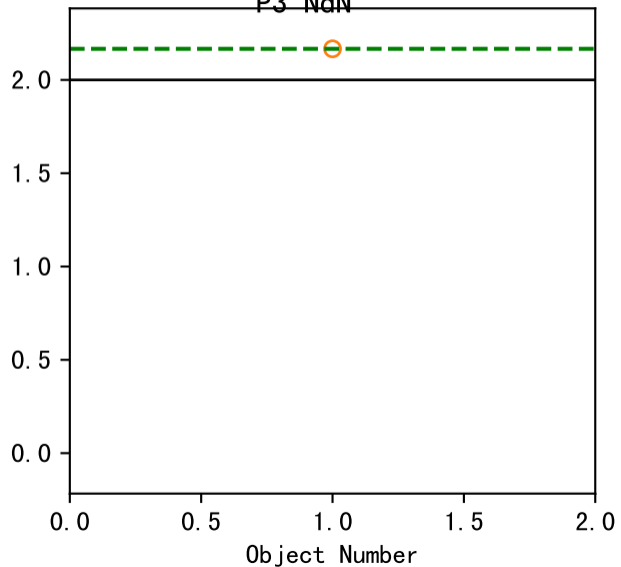
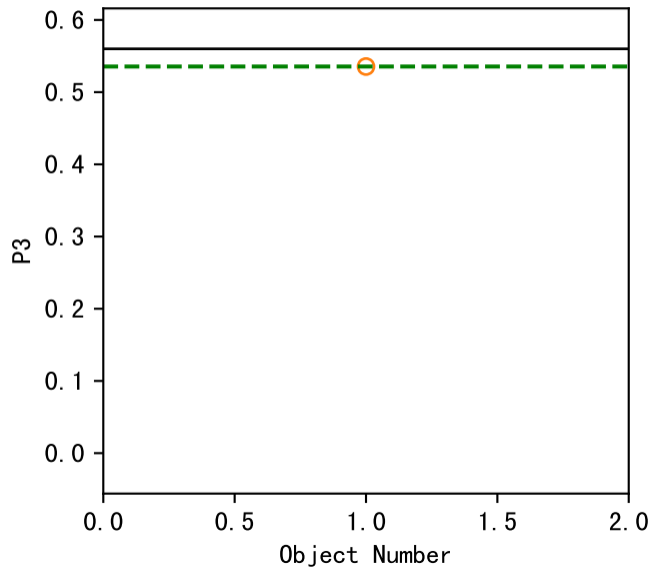
BDL [0.54, 2.17, 3.83, 0.98]



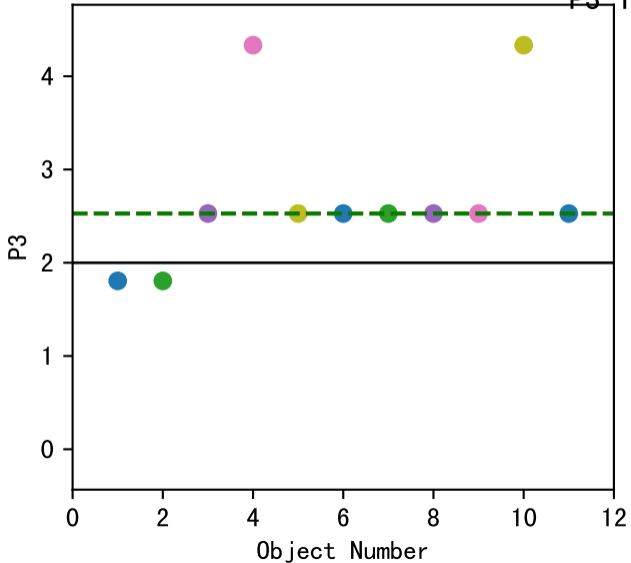
a (Def=0.56 Set=0.54)  
avg1=na avg2=0.54

dm (Def=2 Set=2.17)  
avg1=na avg2=2.17

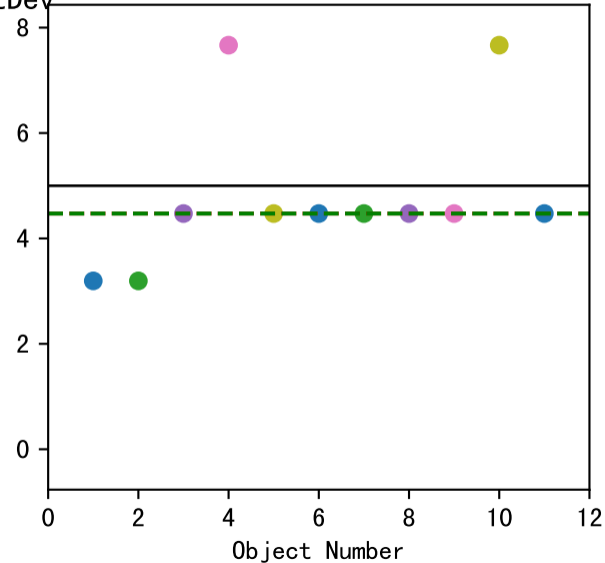
de (Def=5 Set=3.83)  
avg1=na avg2=3.83



InitDev\_dm (Def=2 Set=2.53)  
avg1=2.53~0% avg2=2.53

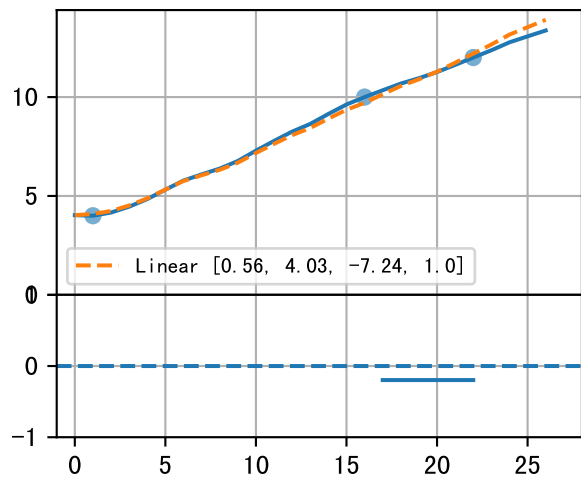


InitDev\_de (Def=5 Set=4.47)  
avg1=4.47~0% avg2=4.47

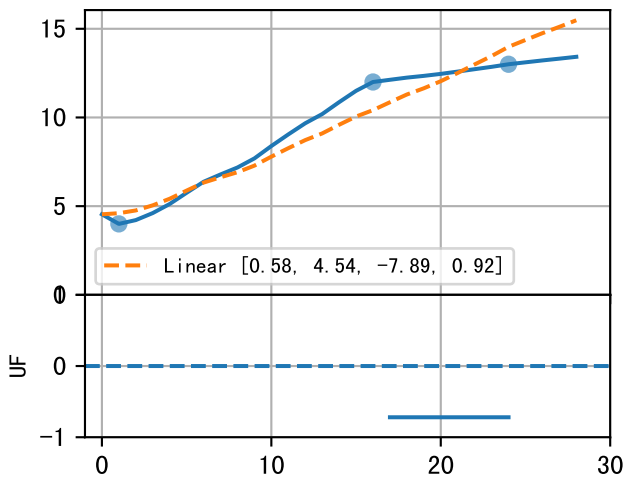




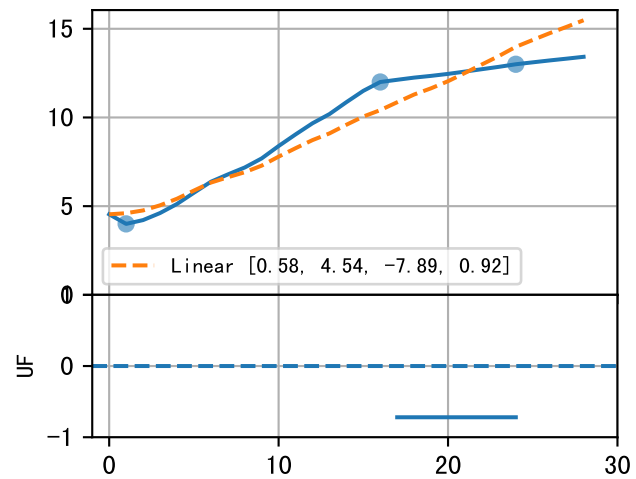
P3-009-13



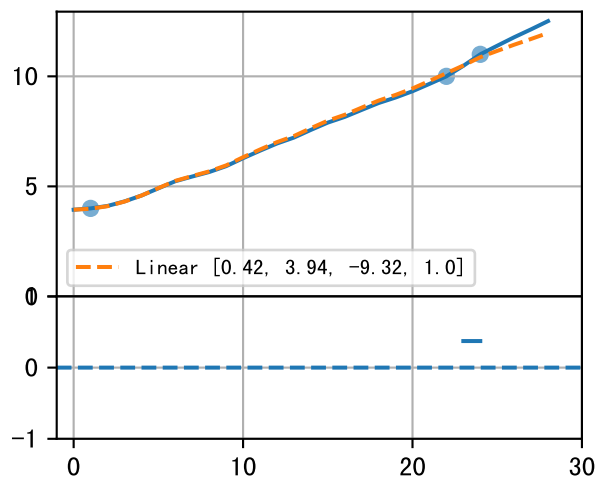
P3-021-19



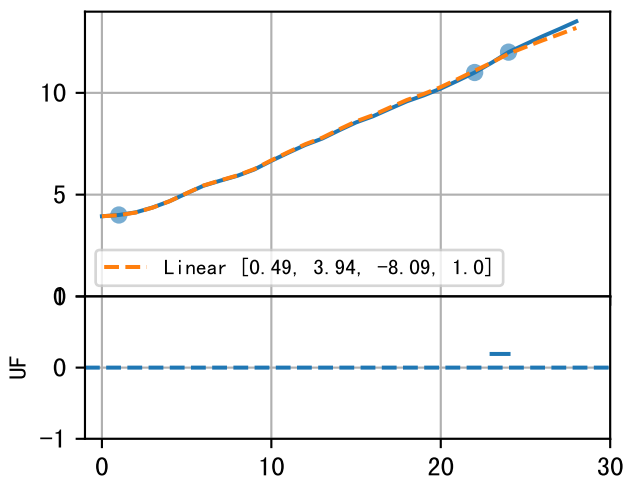
P3-034-5



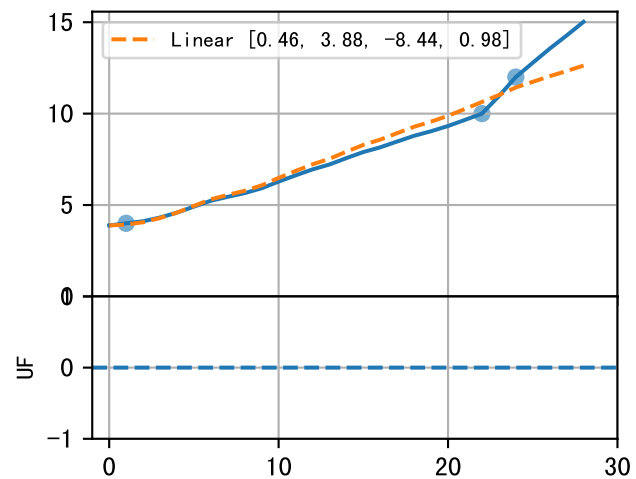
P3-045-17



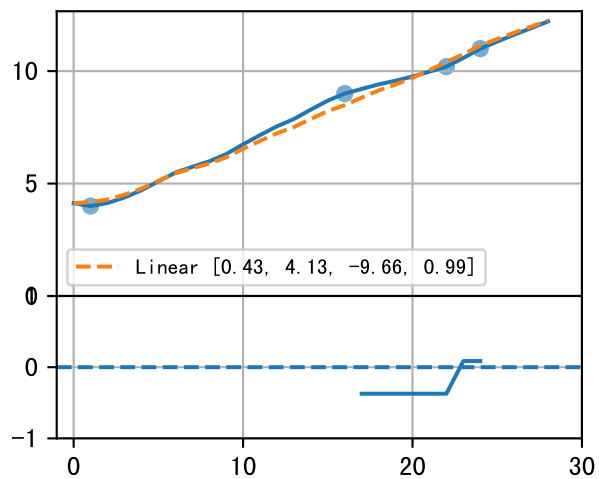
P3-054-28



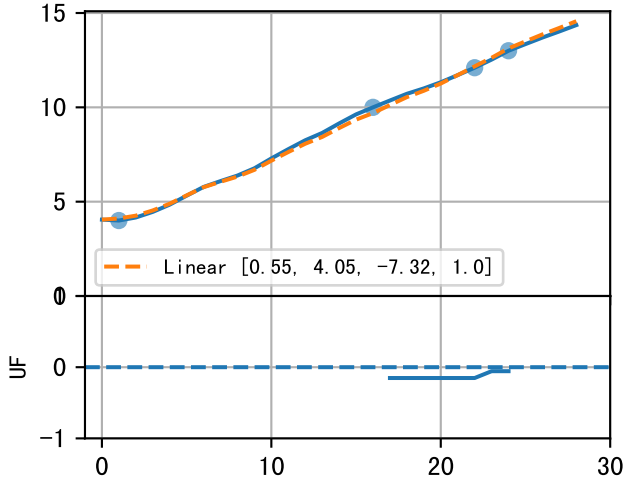
P3-075-19



P3-084-11

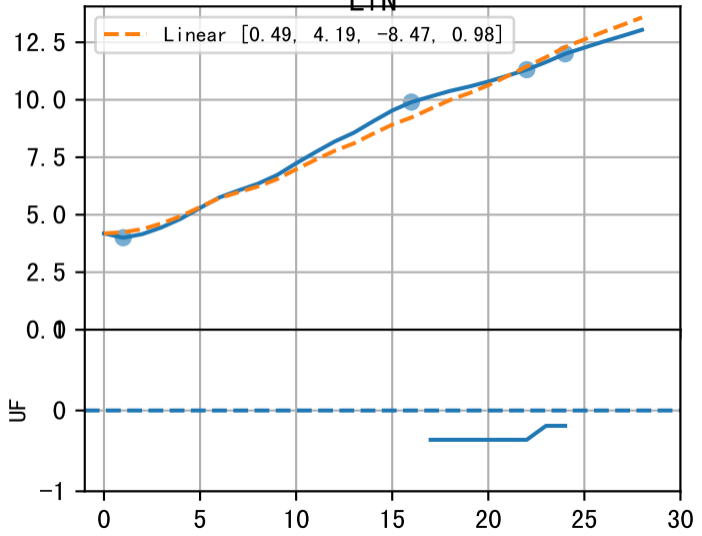


P3-110-23

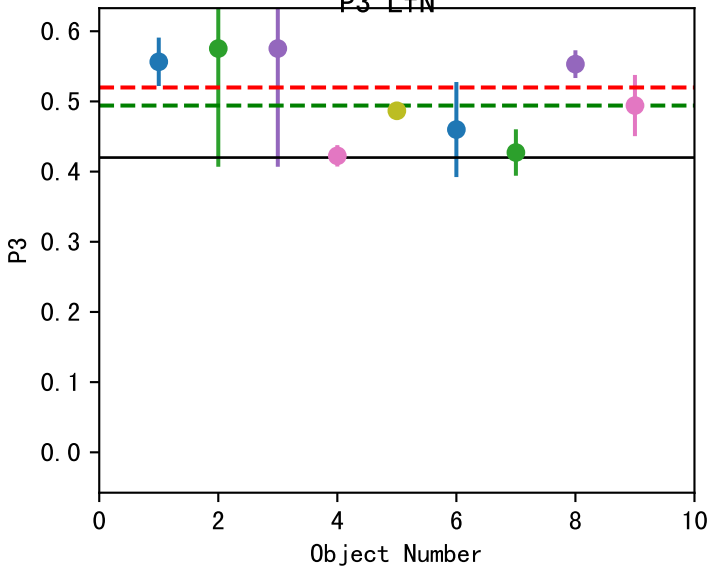


P3avg  
Lfn

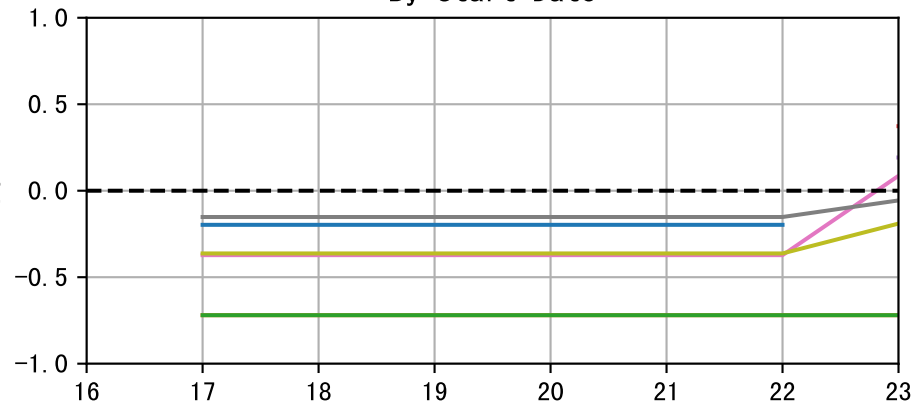
Linear [0.49, 4.19, -8.47, 0.98]



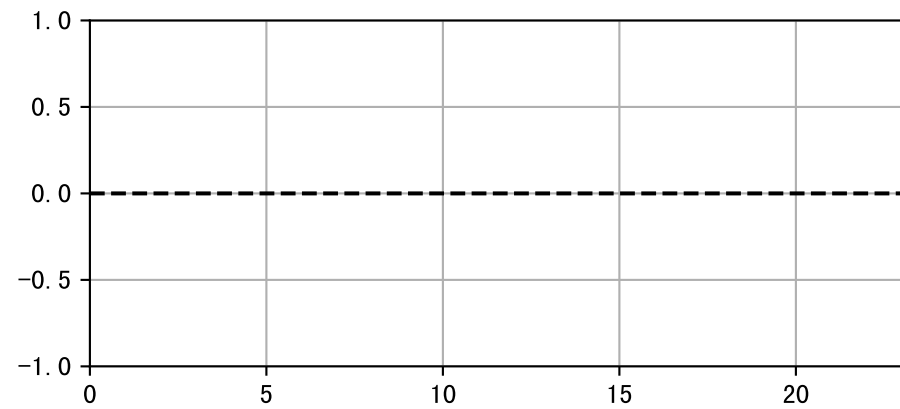
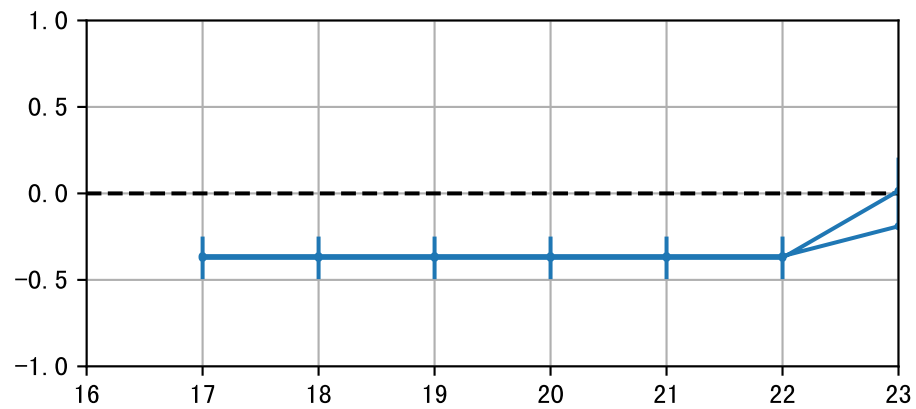
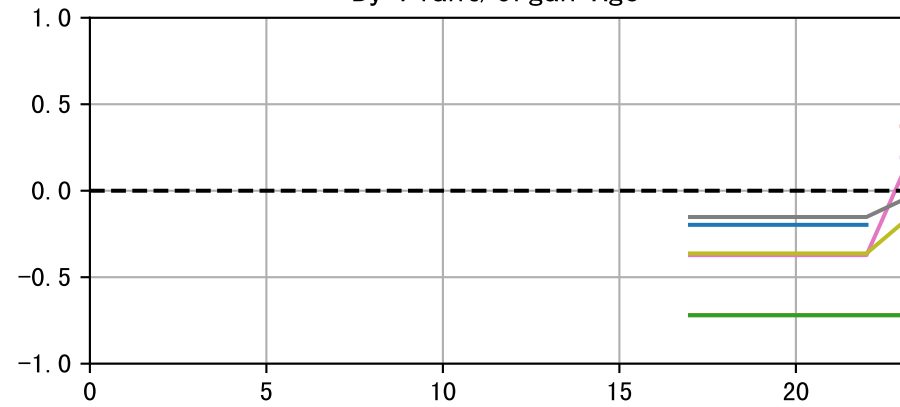
a (Def=0.42 Set=0.49)  
avg1=0.52 $\sim$ 13% avg2=0.49 $\sim$ 28%



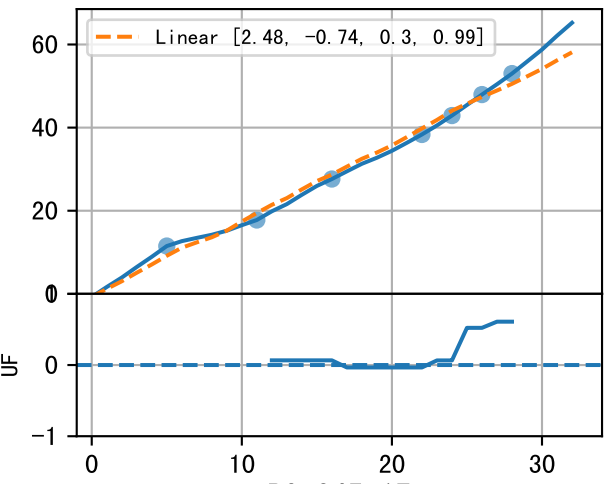
By Start Date



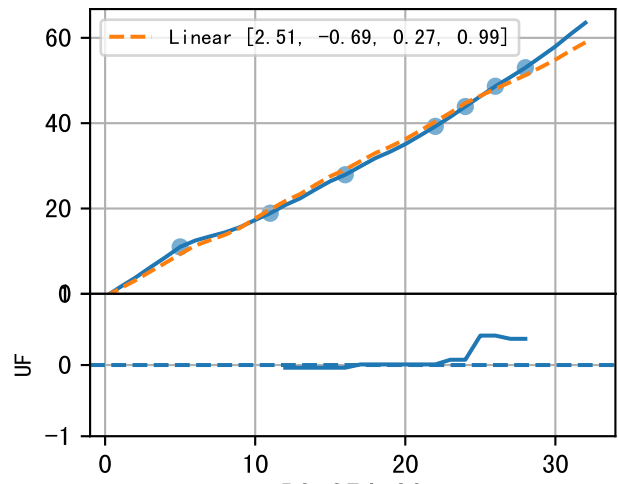
By Plant/Organ Age



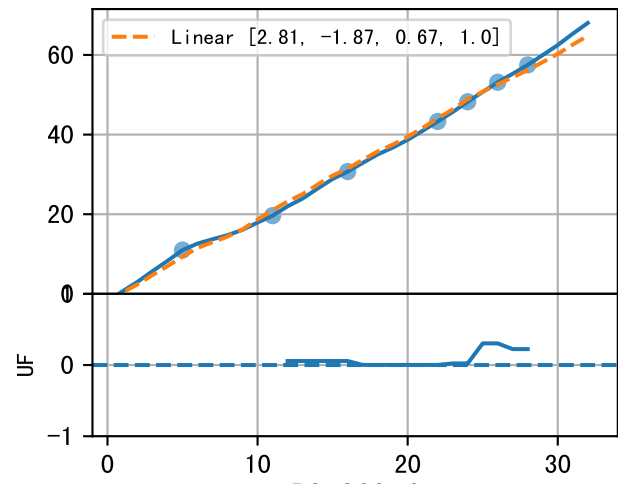
P3-009-13



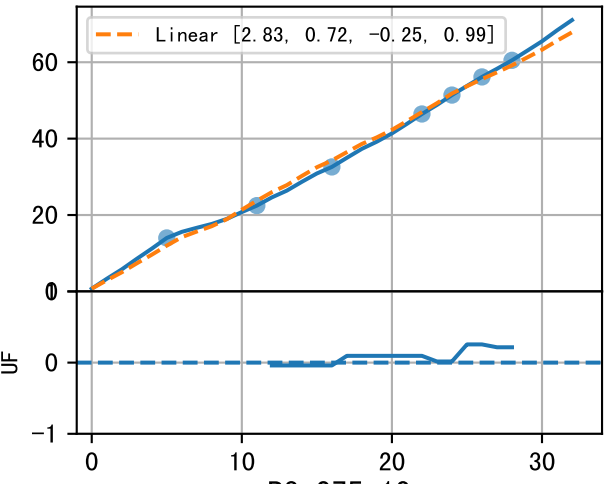
P3-021-19



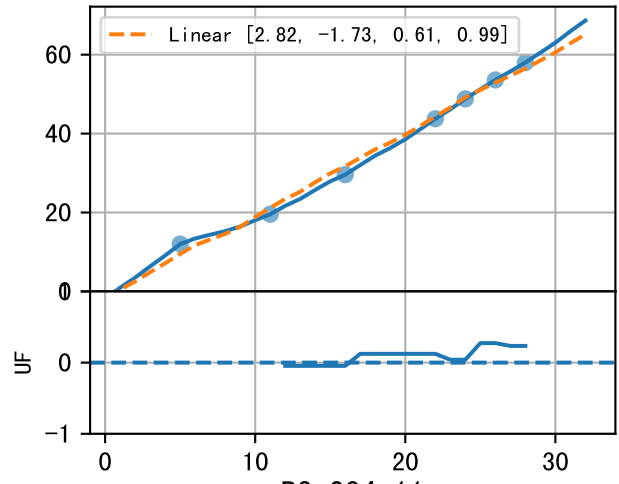
P3-034-5



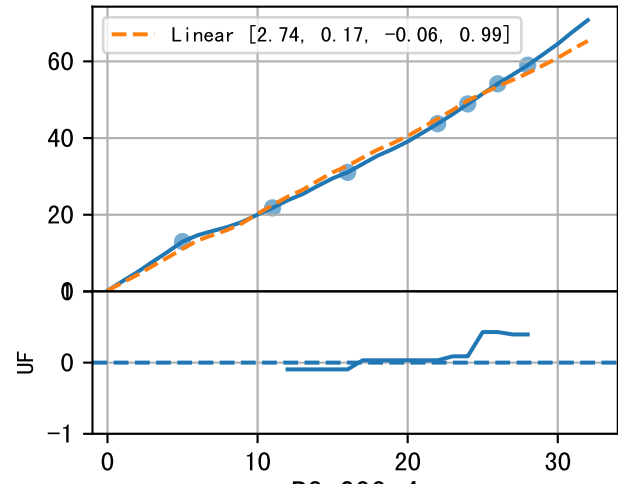
P3-045-17



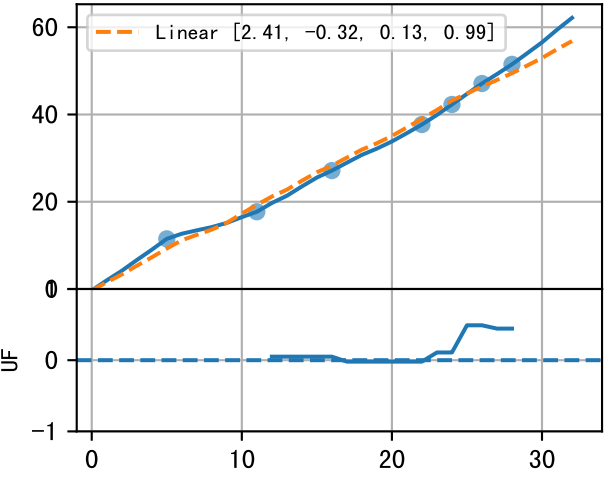
P3-054-28



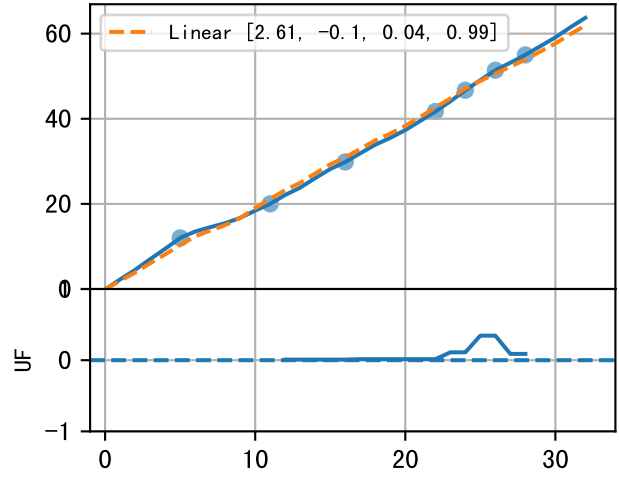
P3-068-4



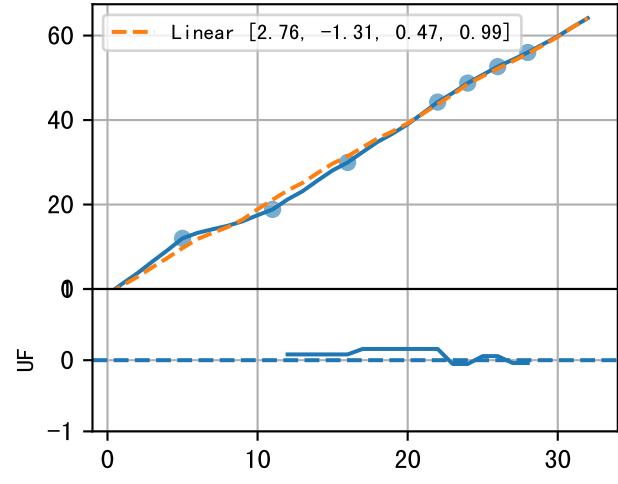
P3-075-19



P3-084-11

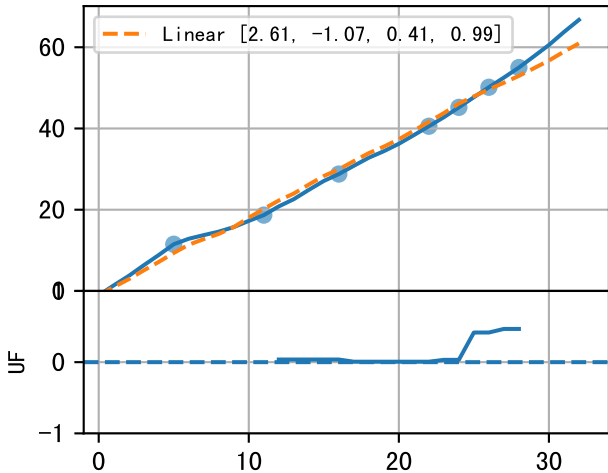


P3-099-4



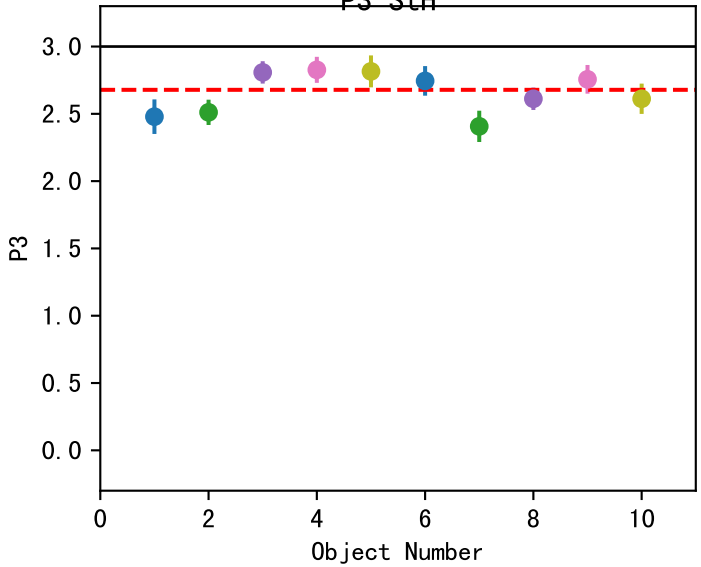
P3-110-23

StH



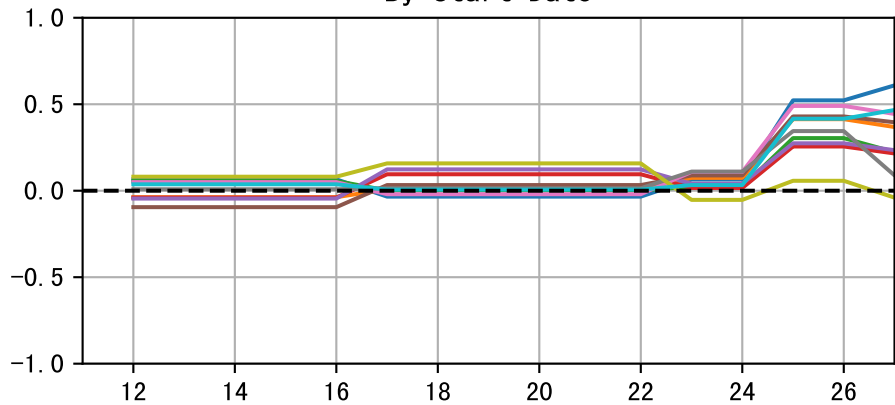
a (Def=3 Set=2.68)  
avg1=2.68<sup>~6%</sup> avg2=na

P3 Sth

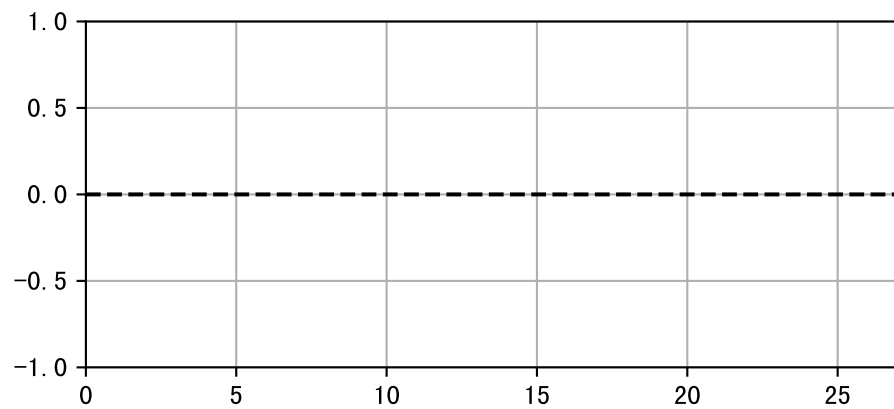
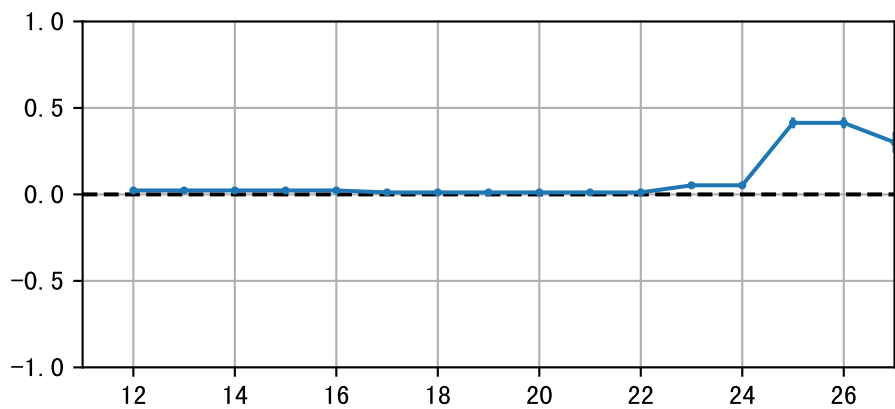
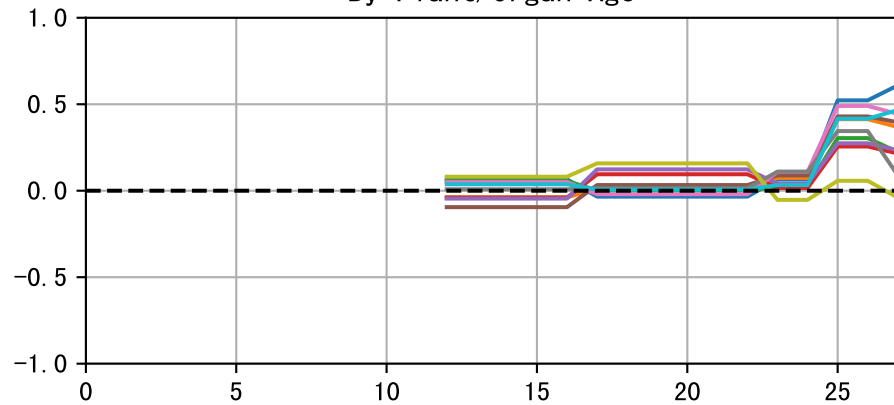


StH

By Start Date

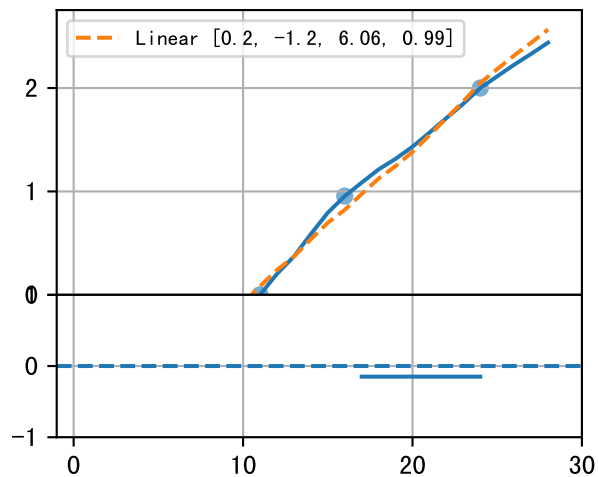


By Plant/Organ Age

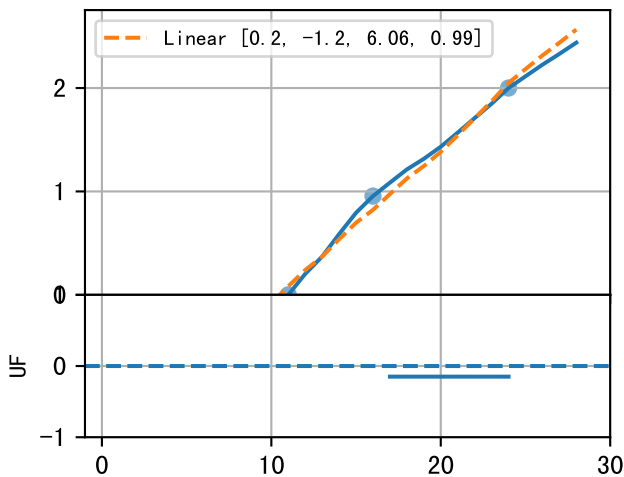




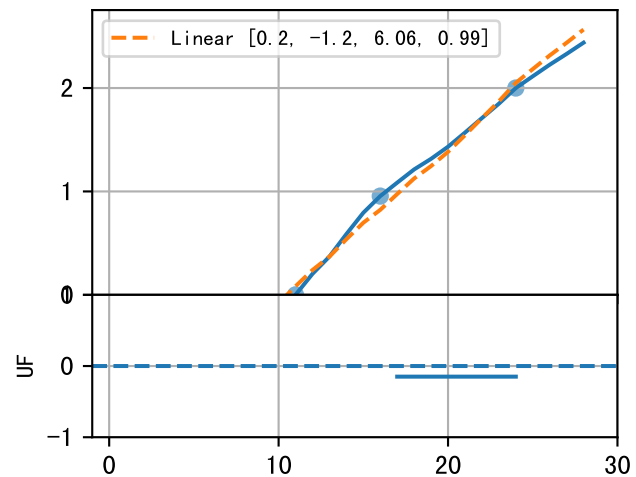
P3-009-13



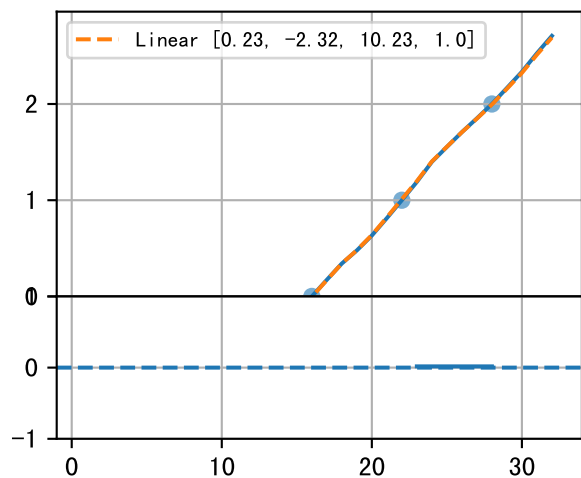
P3-021-19



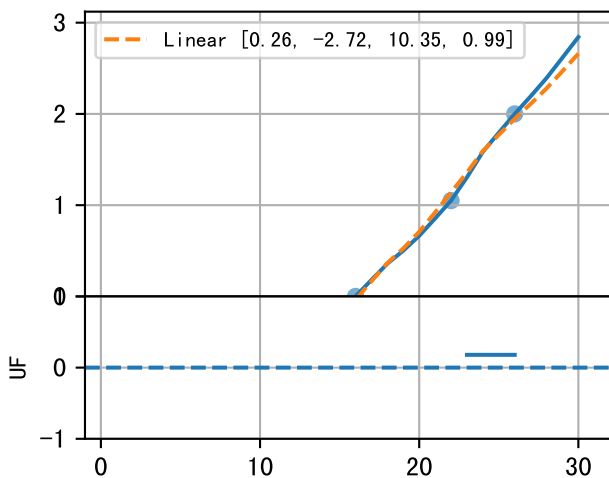
P3-034-5



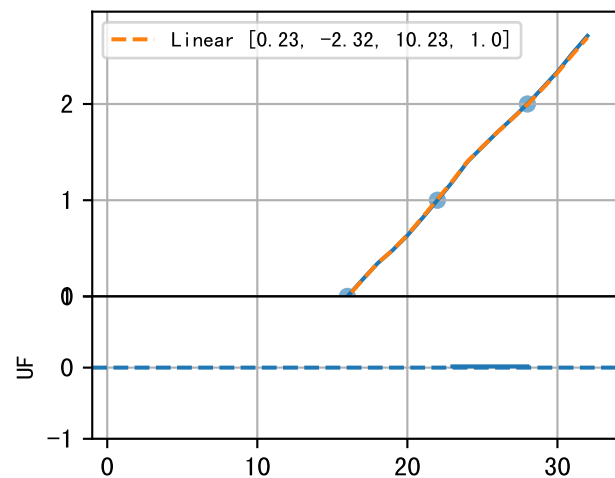
P3-045-17



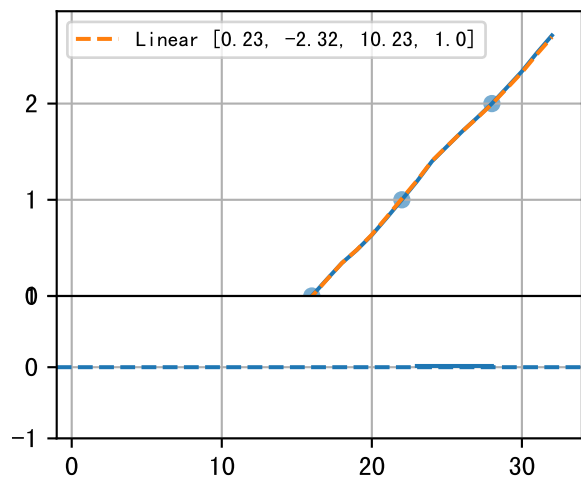
P3-054-28



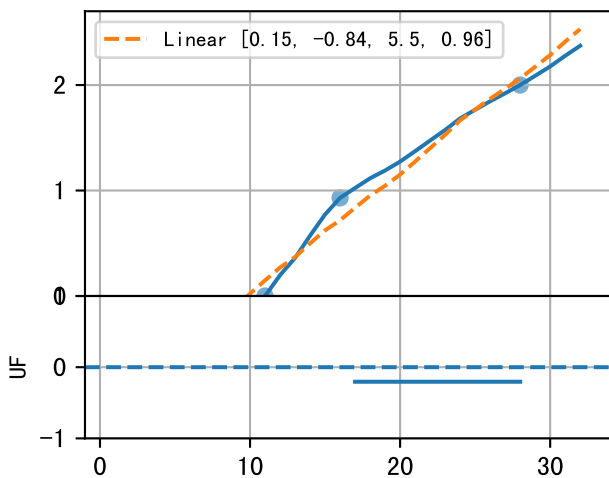
P3-068-4



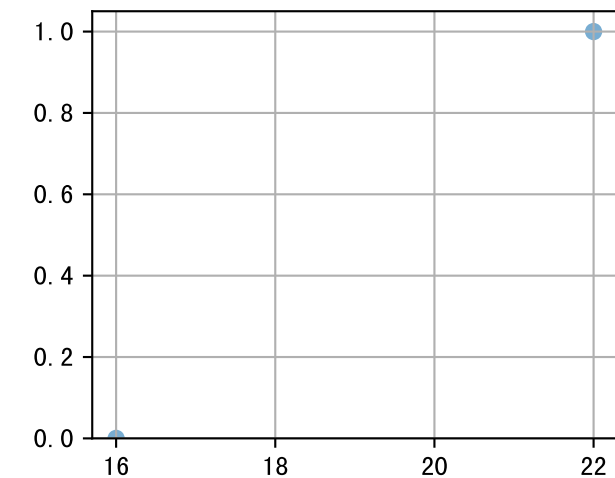
P3-075-19



P3-084-11

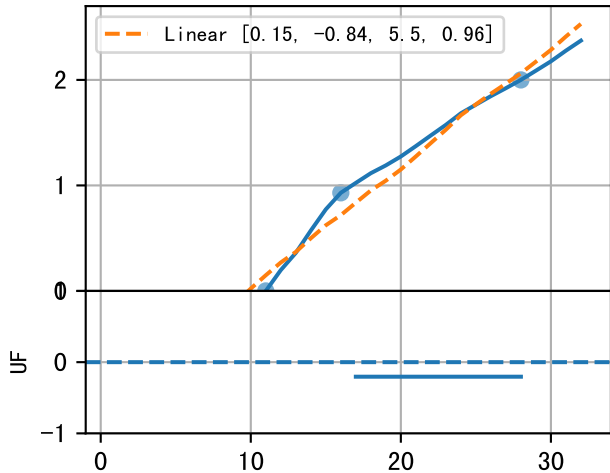


P3-099-4 (fit failed)

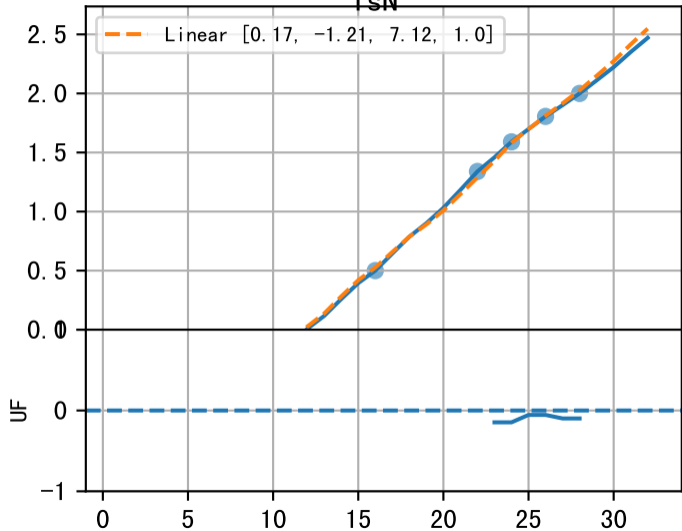


P3-110-23

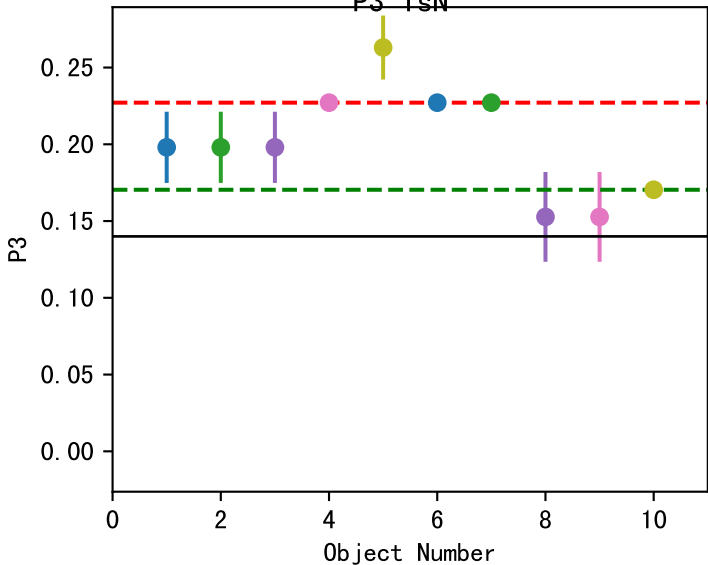
TsN



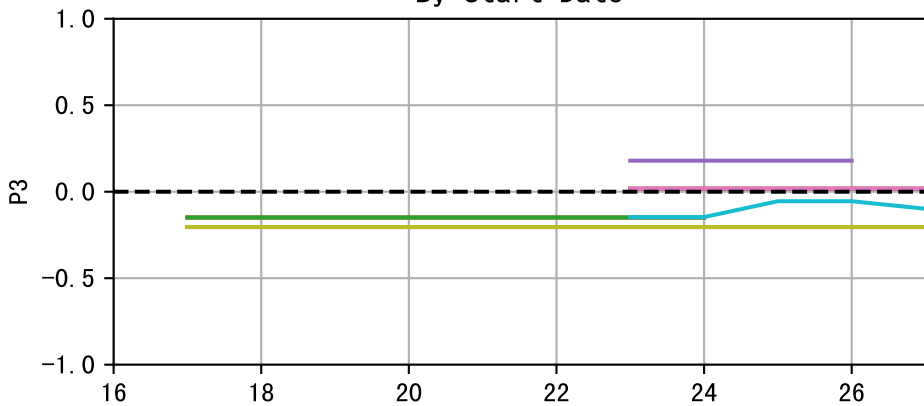
P3avg  
TSN



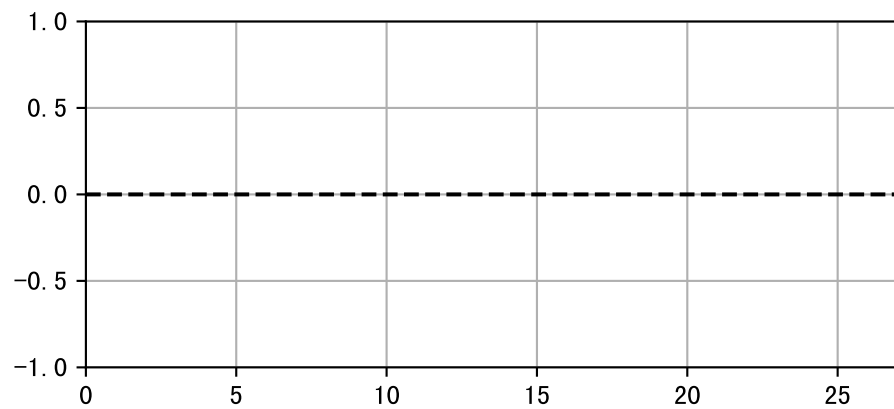
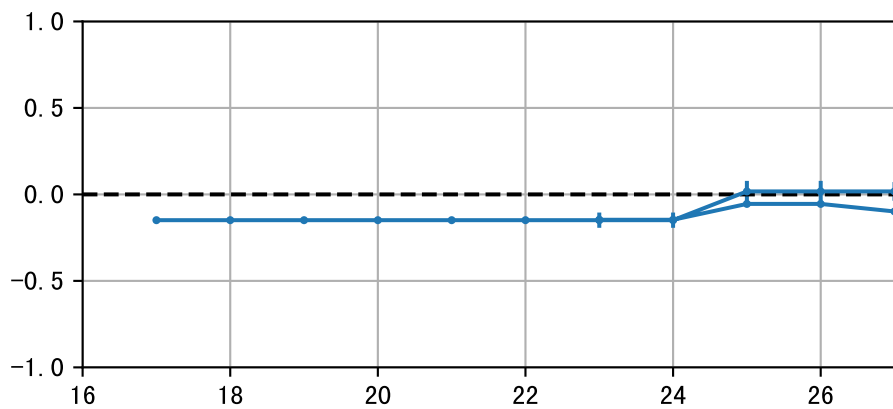
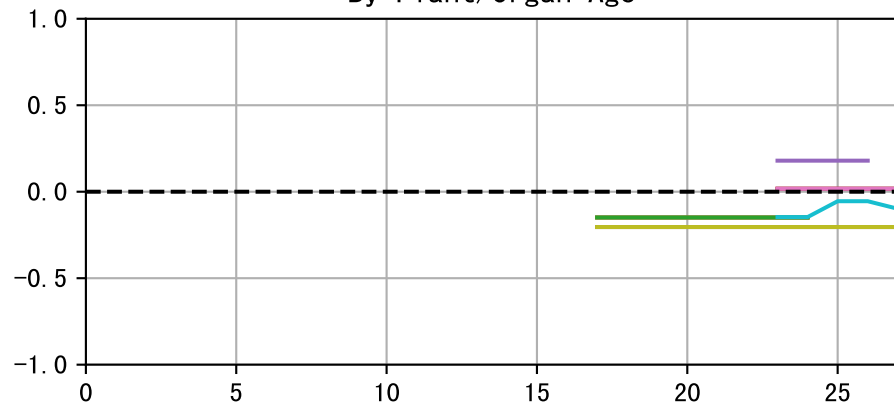
a (Def=0.14 Set=0.17)  
avg1=0.23 $\sim$ 11% avg2=0.17 $\sim$ 9%



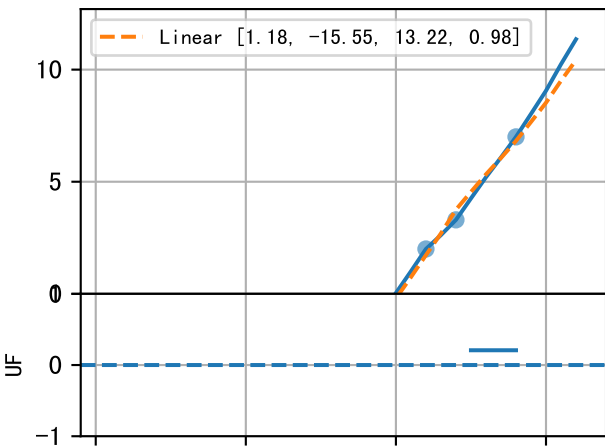
By Start Date



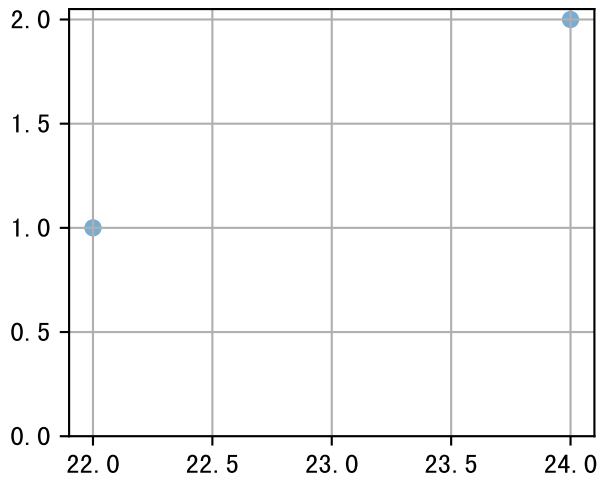
By Plant/Organ Age



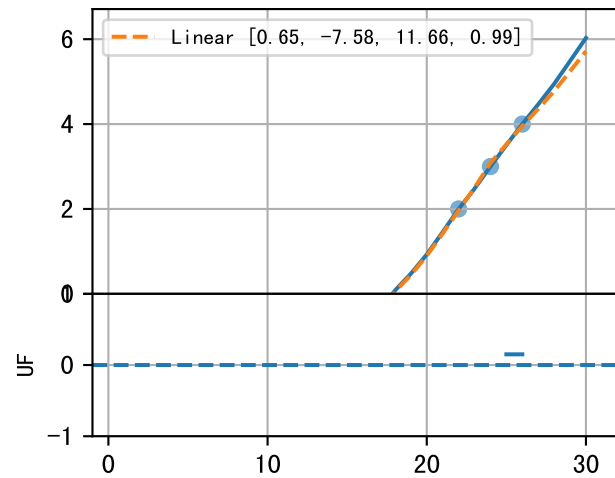
P3-009-13T1



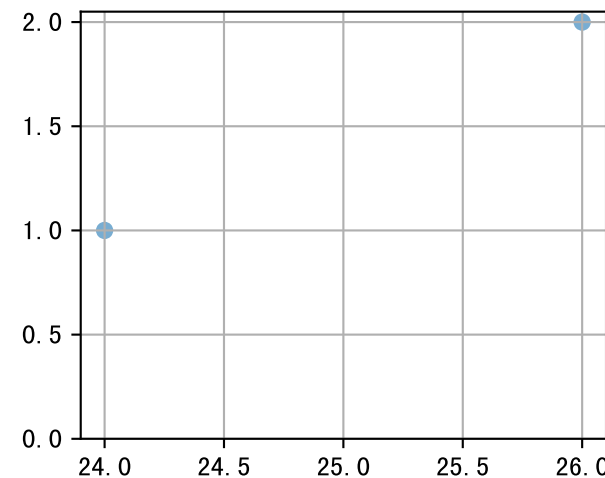
P3-021-19T1 (fit failed)



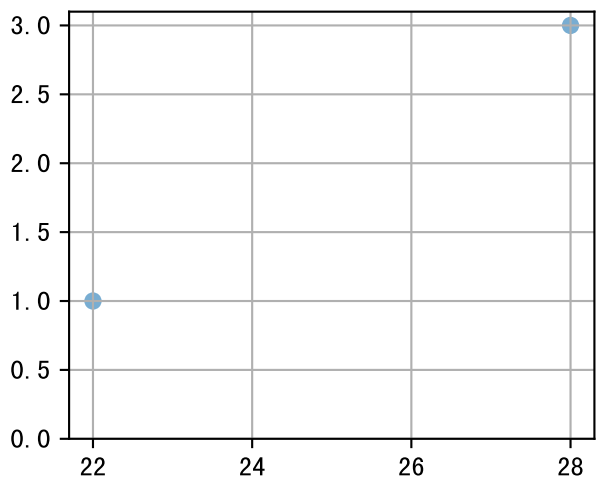
P3-034-5T1



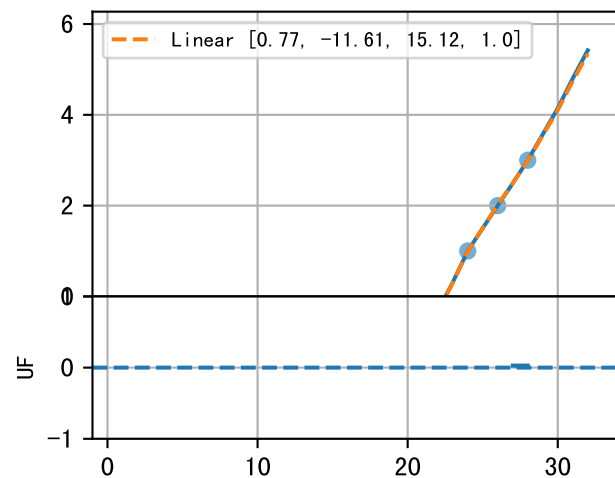
P3-054-28T1 (fit failed)



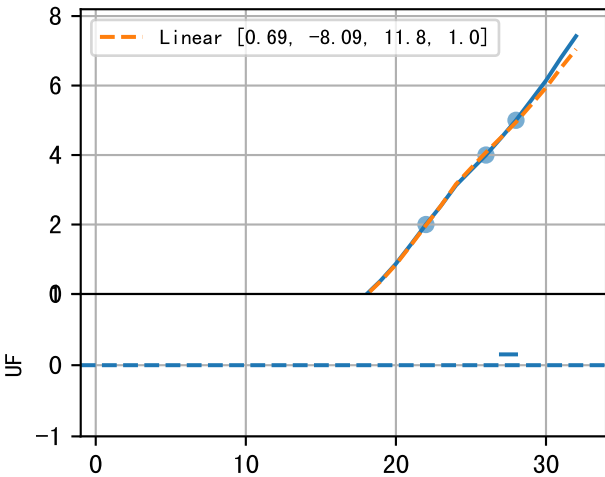
P3-084-11T1 (fit failed)



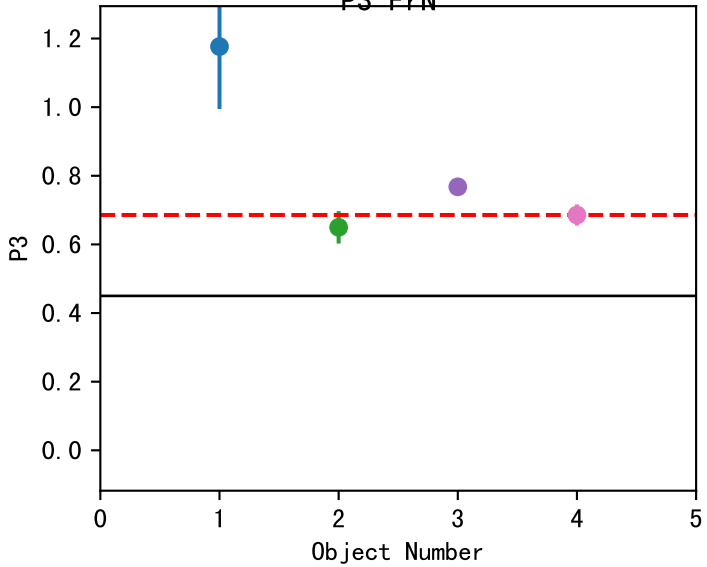
P3-099-4T1



P3-110-23T1

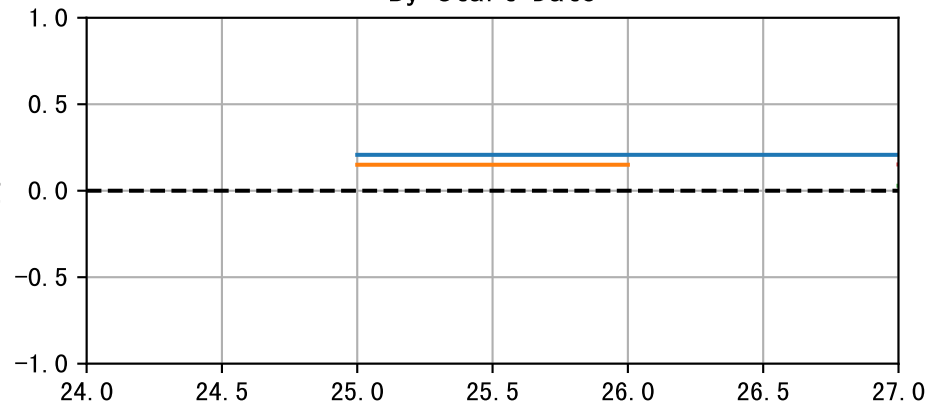


a (Def=0.45 Set=0.69)  
avg1=0.69~9% avg2=na

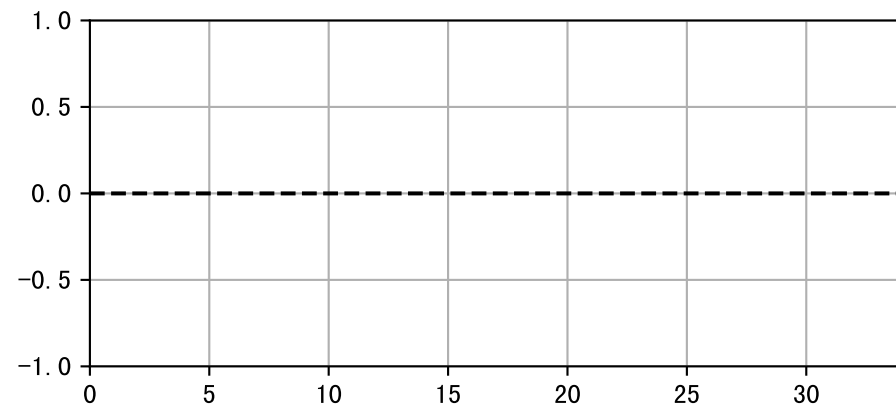
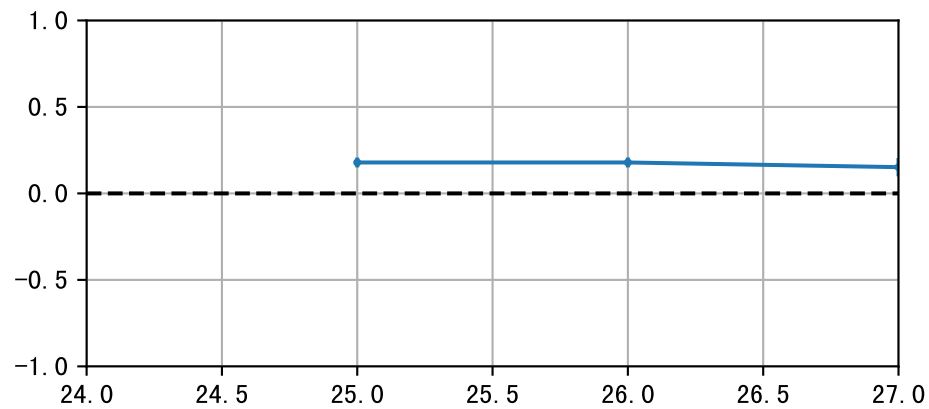
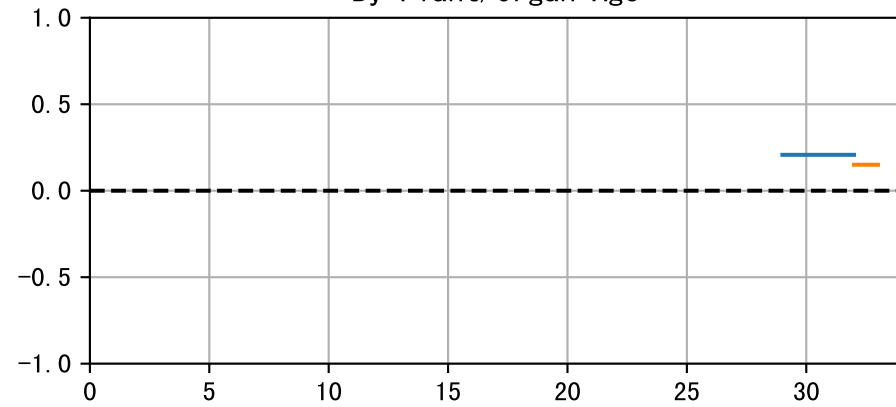


## FrN

By Start Date



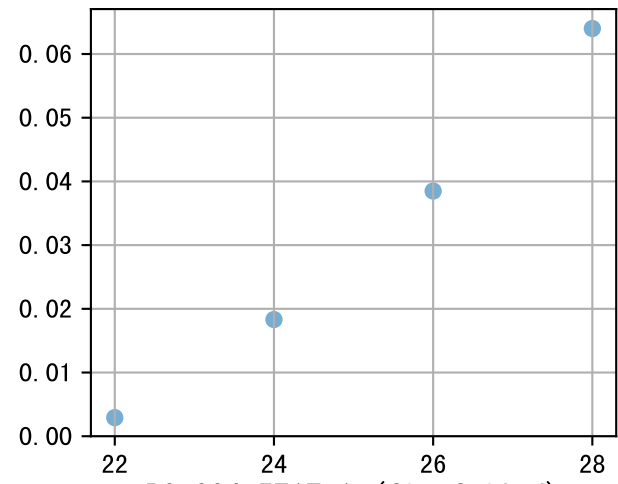
By Plant/Organ Age



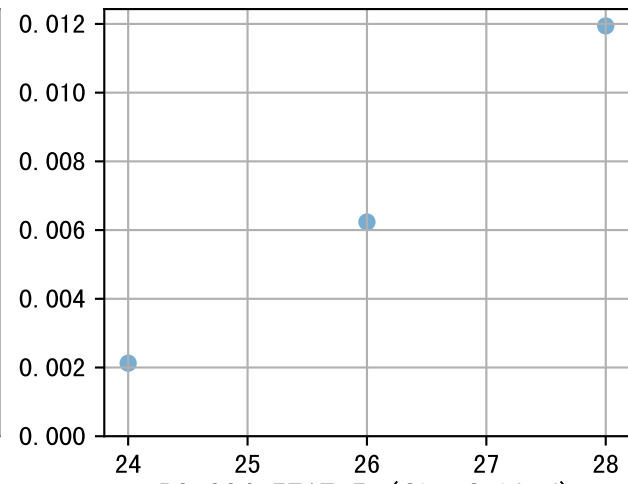


FrV

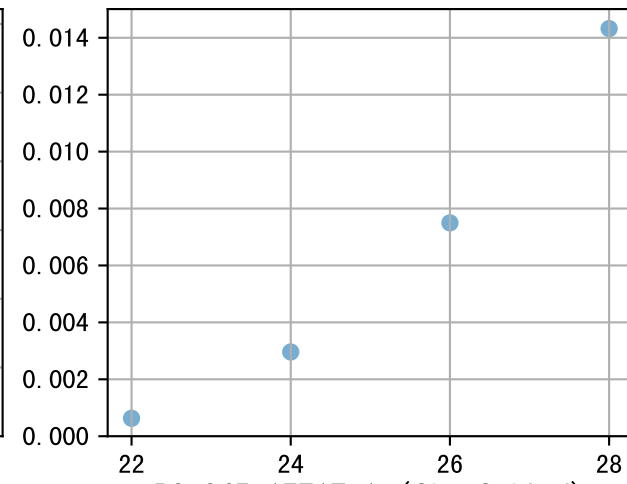
P3-009-13T1Fr1 (fit failed)



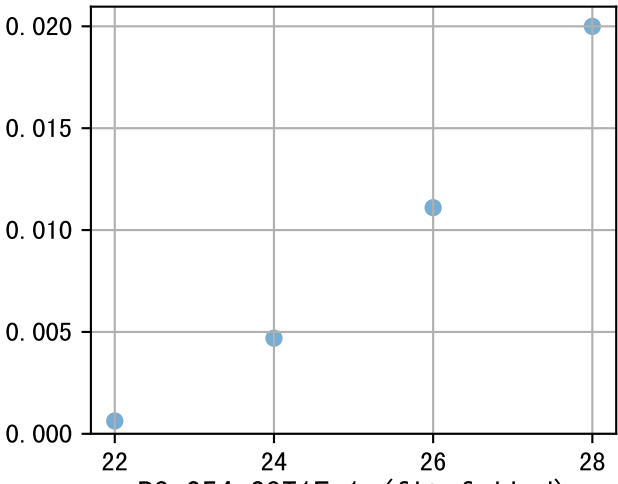
P3-009-13T1Fr5 (fit failed)



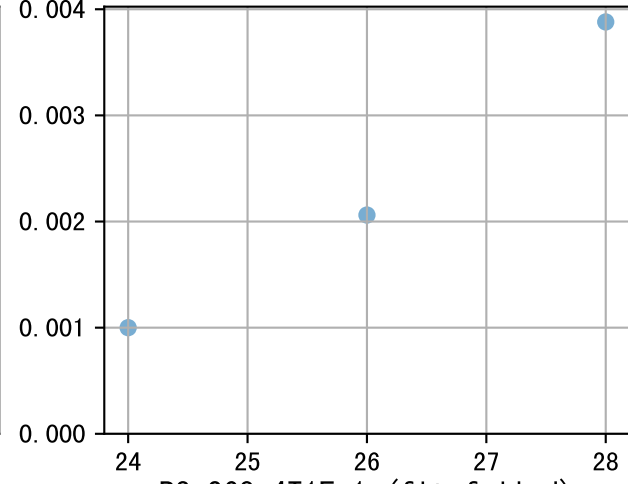
P3-021-19T1Fr1 (fit failed)



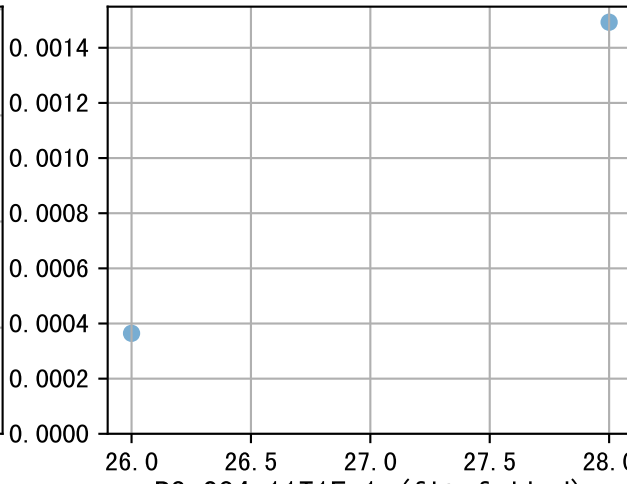
P3-034-5T1Fr1 (fit failed)



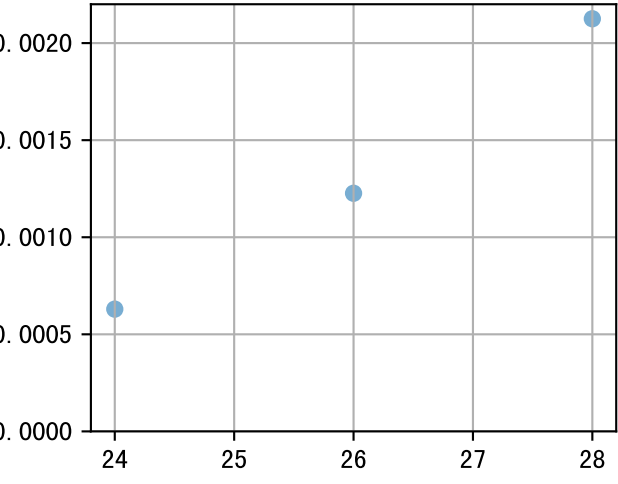
P3-034-5T1Fr5 (fit failed)



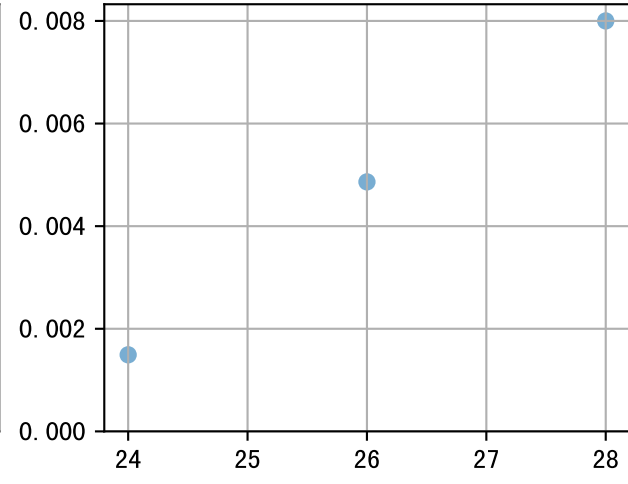
P3-045-17T1Fr1 (fit failed)



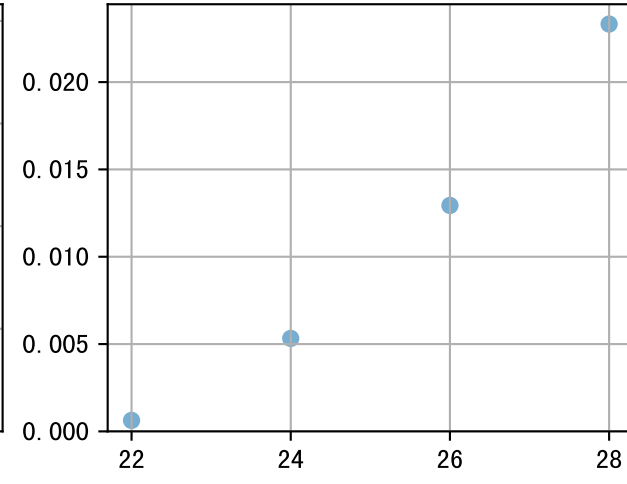
P3-054-28T1Fr1 (fit failed)



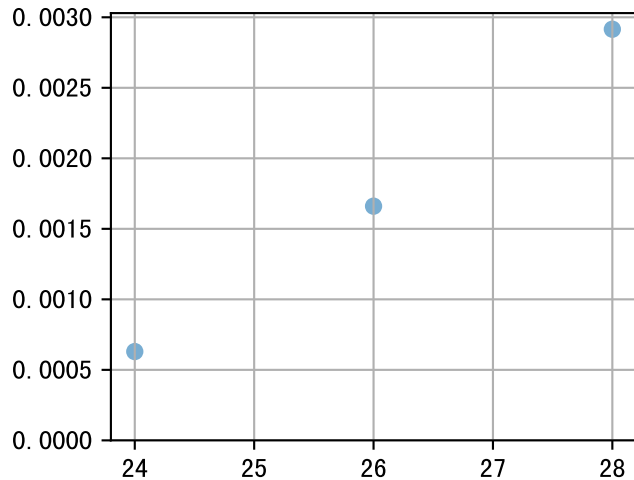
P3-068-4T1Fr1 (fit failed)



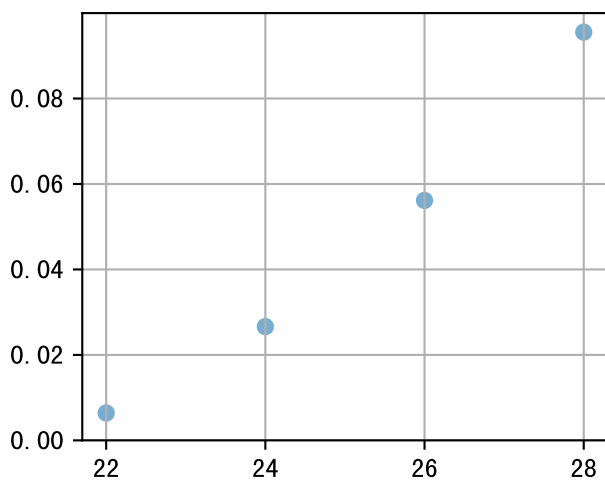
P3-084-11T1Fr1 (fit failed)



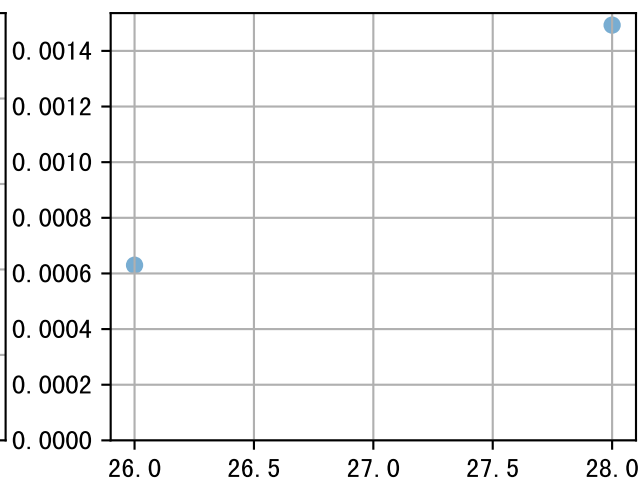
P3-099-4T1Fr1 (fit failed)



P3-110-23T1Fr1 (fit failed)

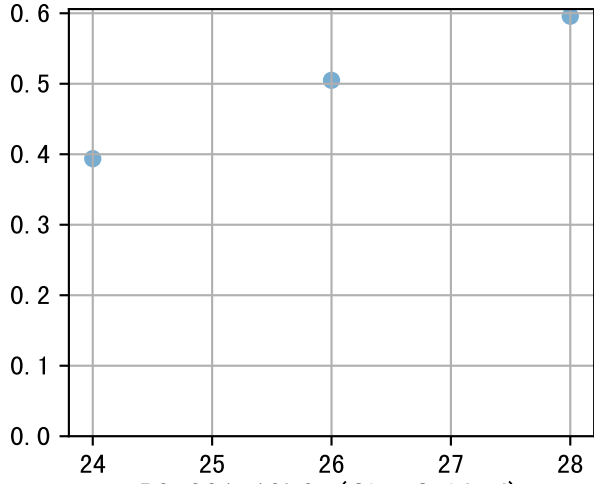


P3-110-23T1Fr5 (fit failed)

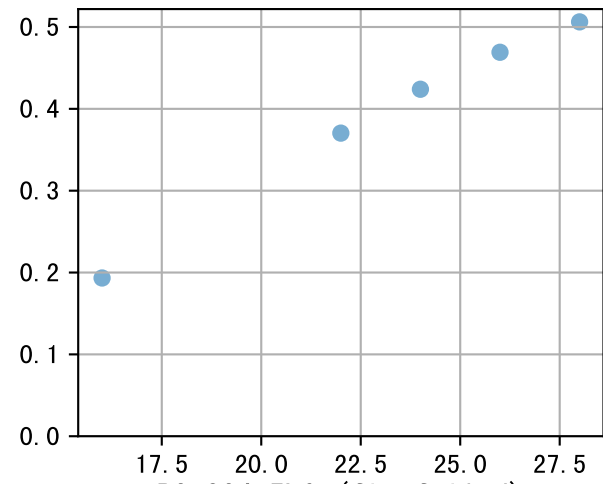


1.4A

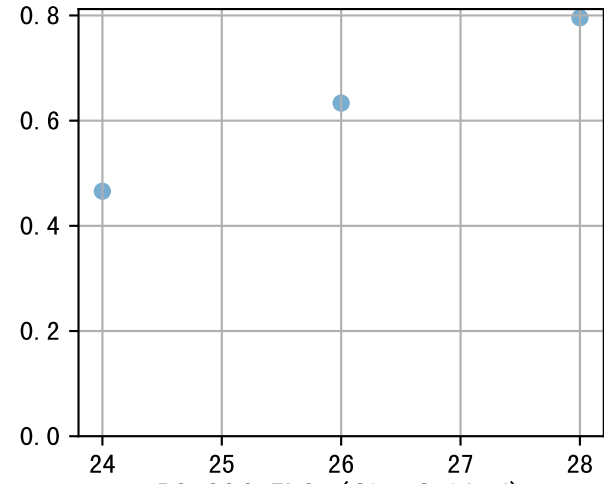
P3-009-13L10 (fit failed)



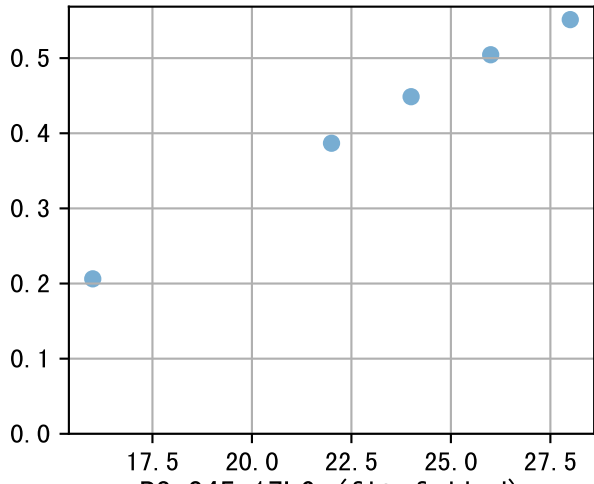
P3-009-13L7 (fit failed)



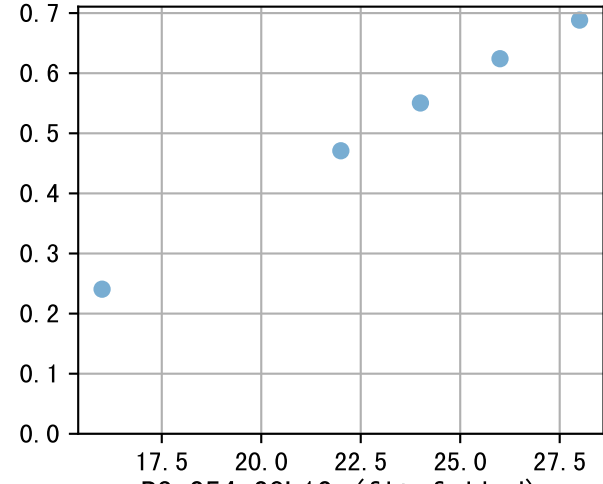
P3-021-19L10 (fit failed)



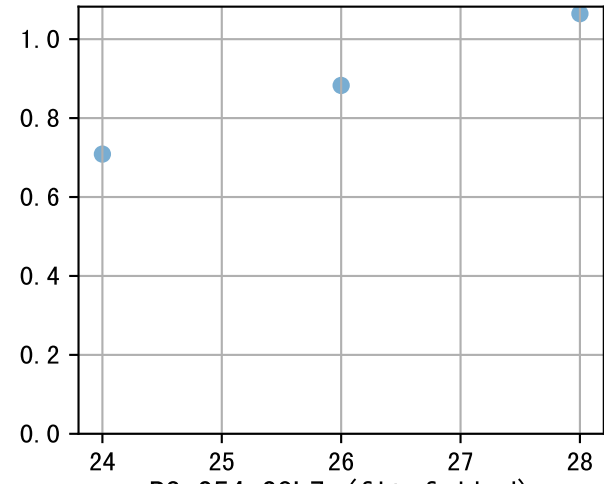
P3-021-19L6 (fit failed)



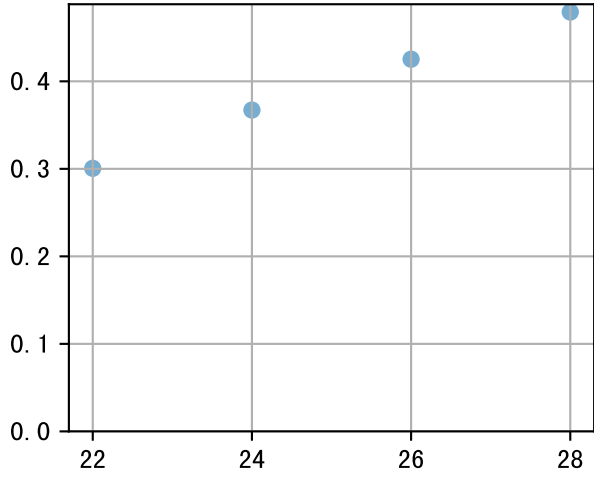
P3-034-5L6 (fit failed)



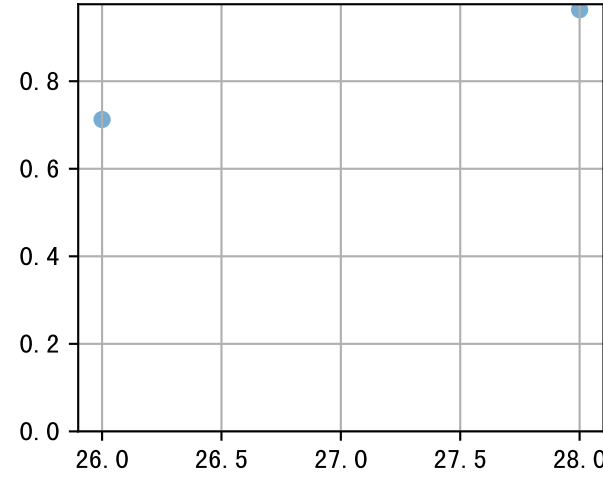
P3-034-5L9 (fit failed)



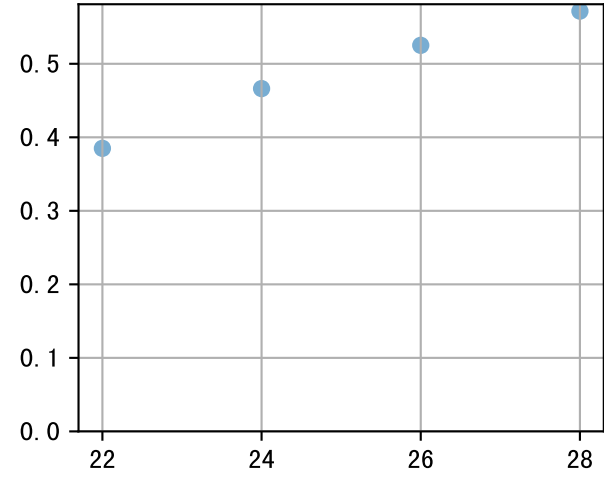
P3-045-17L6 (fit failed)



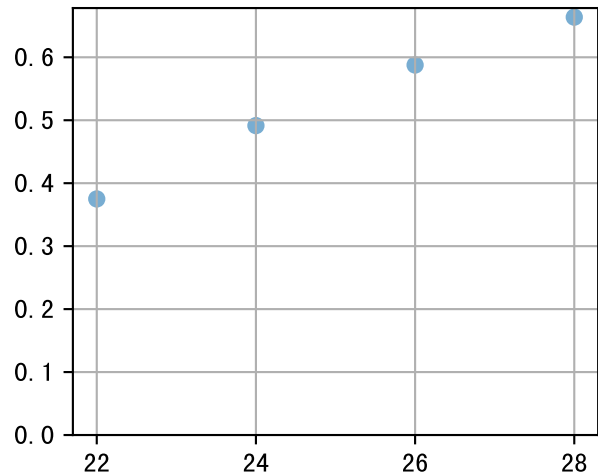
P3-054-28L10 (fit failed)



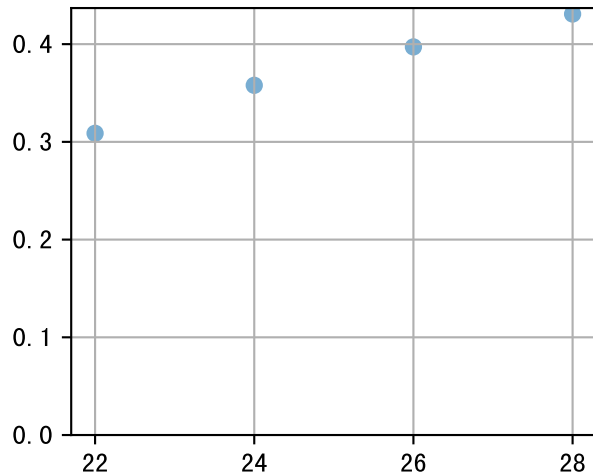
P3-054-28L7 (fit failed)



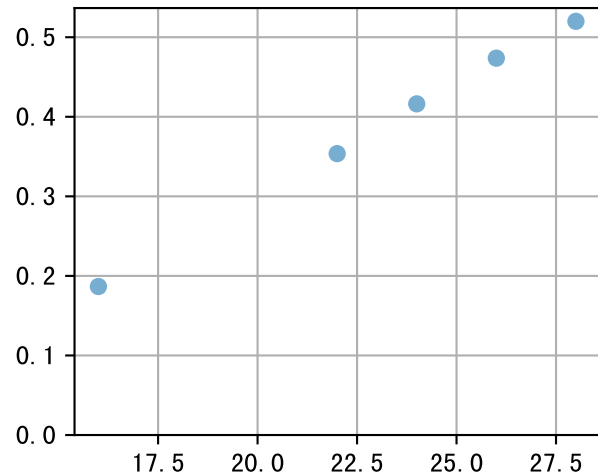
P3-068-4L7 (fit failed)



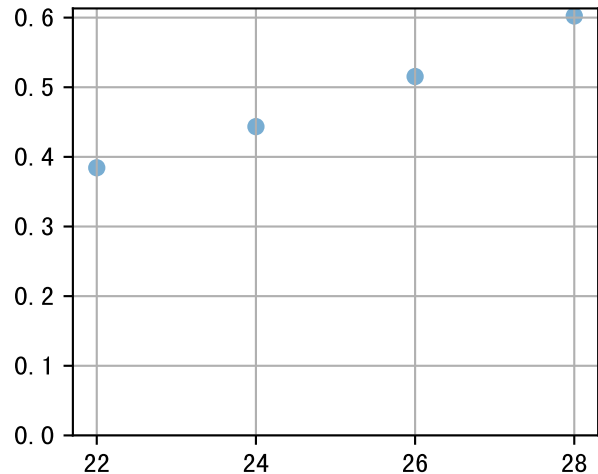
P3-075-19L6 (fit failed)



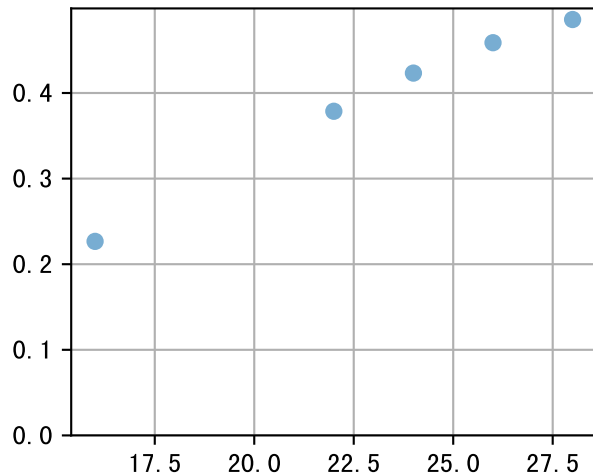
P3-084-11L6 (fit failed)



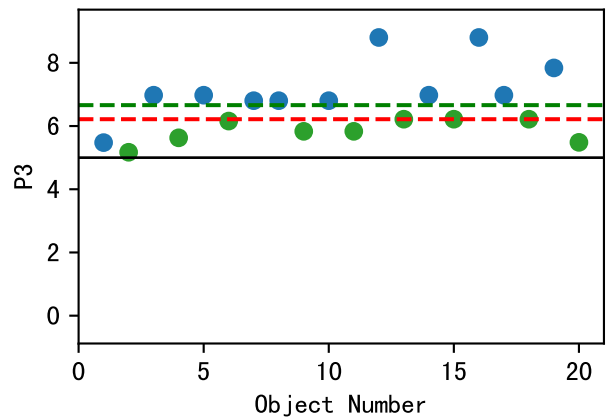
P3-099-4L6 (fit failed)



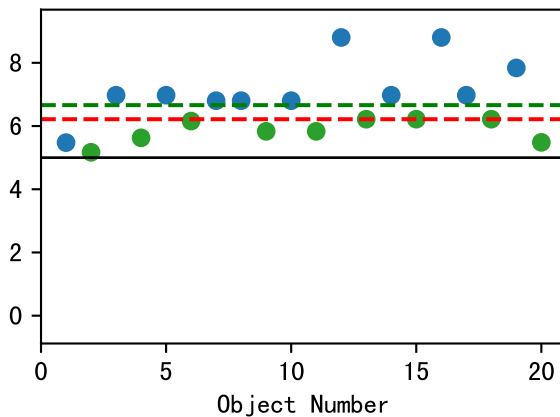
P3-110-23L6 (fit failed)



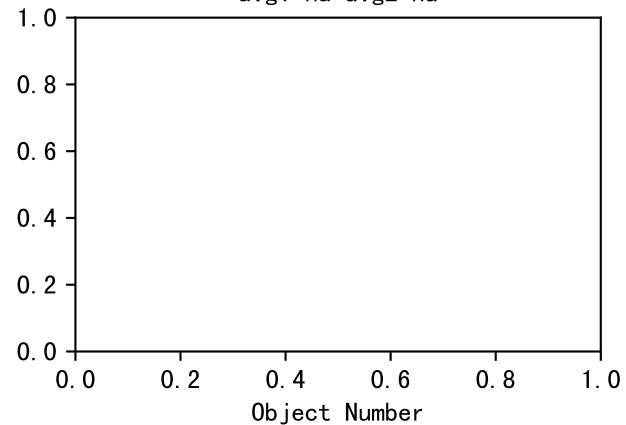
FI\_dm (Def=5 Set=6.22)  
avg1=6.22~10% avg2=6.66~25%



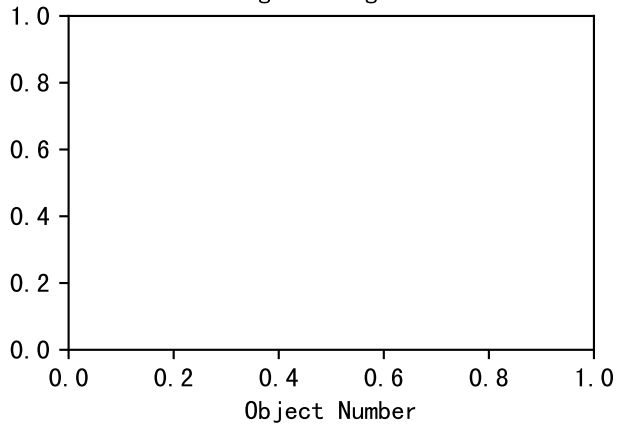
FI\_de (Def=5 Set=6.22)  
avg1=6.22~10% avg2=6.66~25%



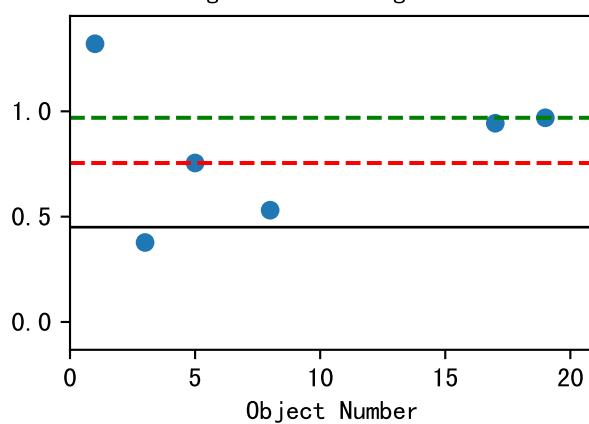
FrV\_dm (Def=18 Set=18)  
avg1=na avg2=na



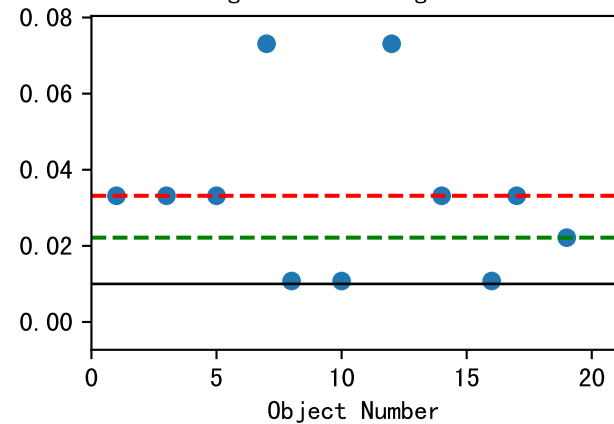
FrV\_de (Def=15 Set=15)  
avg1=na avg2=na



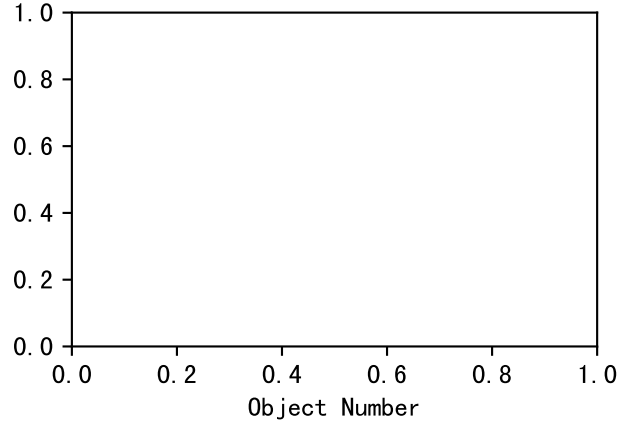
FrN\_a (Def=0.45 Set=0.75)  
avg1=0.75~49% avg2=0.97



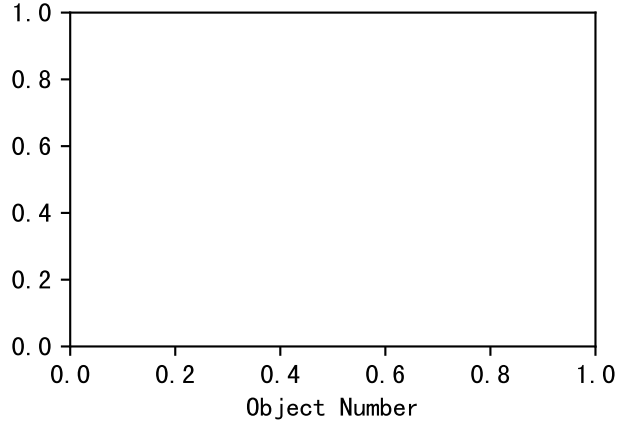
FSDdevStage (Def=0.01 Set=0.03)  
avg1=0.03~35% avg2=0.02



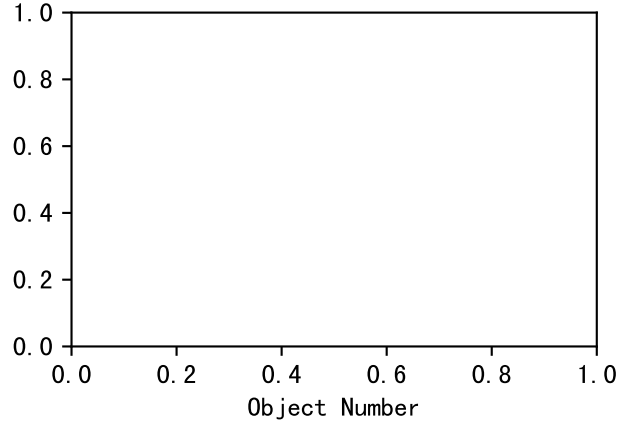
FGDdevStage (Def=0.7 Set=0.7)  
avg1=na avg2=na



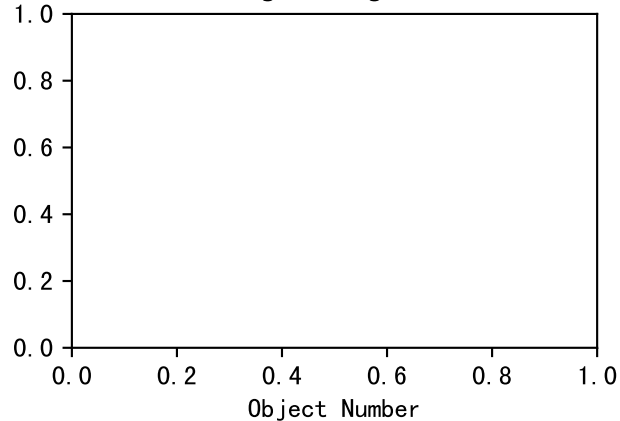
FMBDdevStage (Def=1.3 Set=1.3)  
avg1=na avg2=na



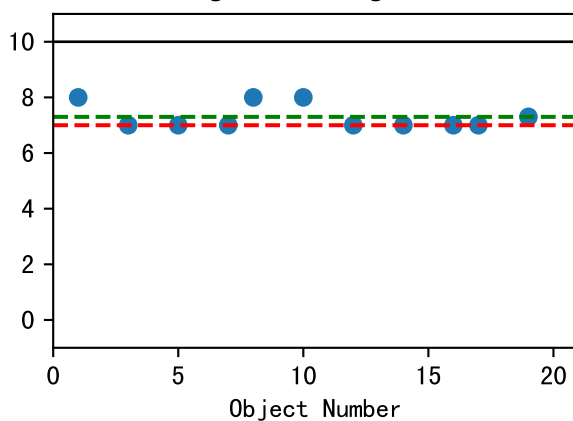
FMEDdevStage (Def=1.8 Set=1.8)  
avg1=na avg2=na



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

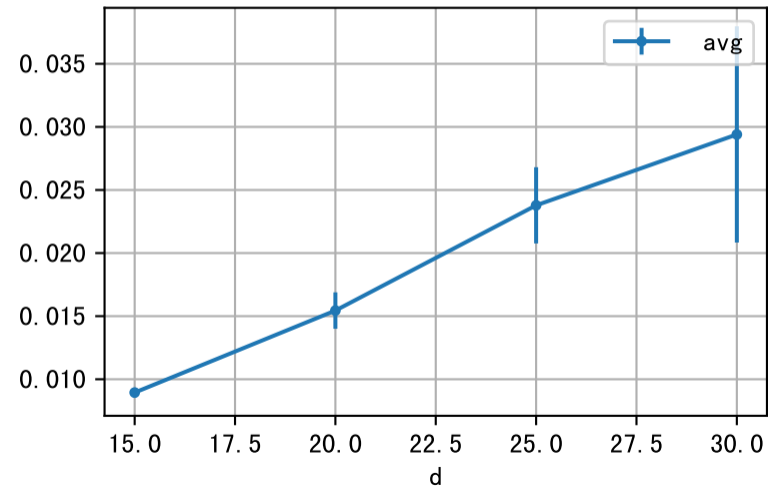


NNgen (Def=10 Set=7)  
avg1=7.0~7% avg2=7.3

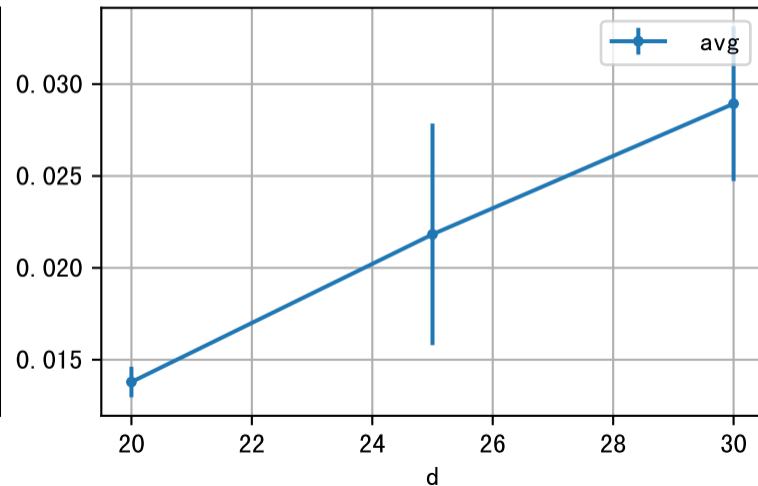


LfA: avg vs. d at each age group

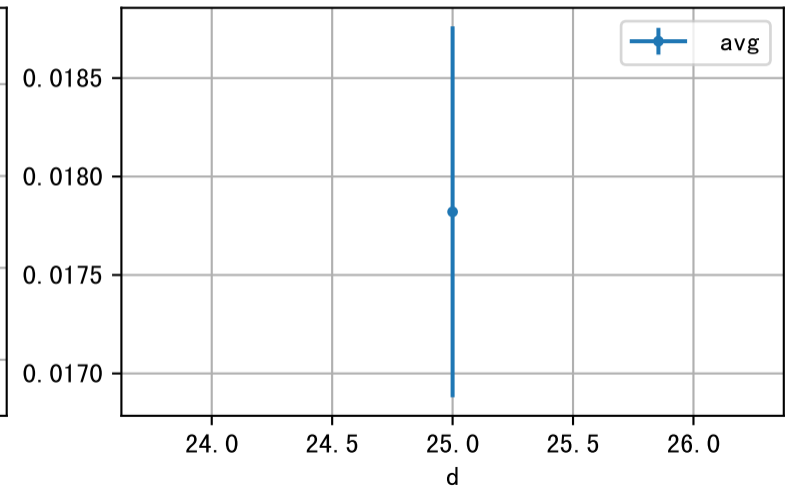
age=20



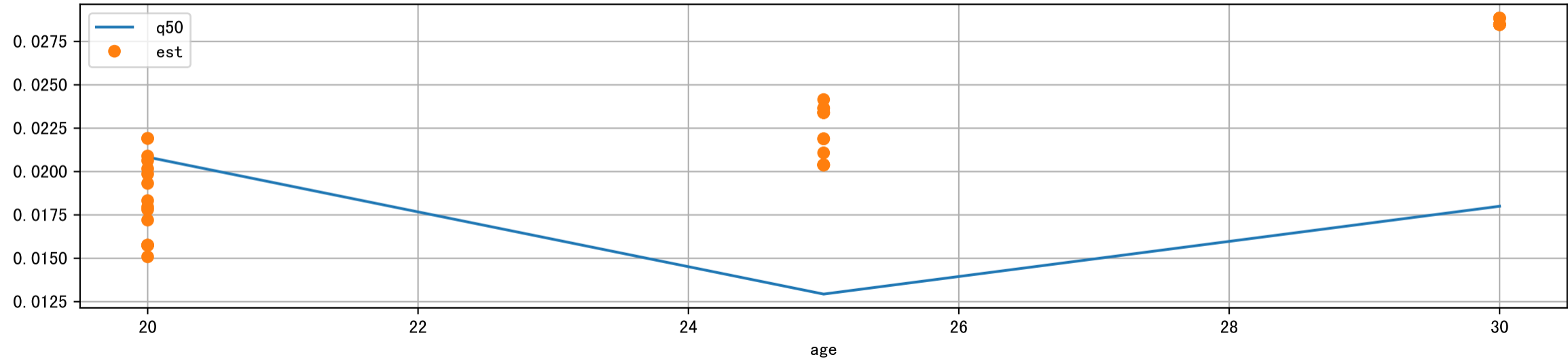
age=25



age=30



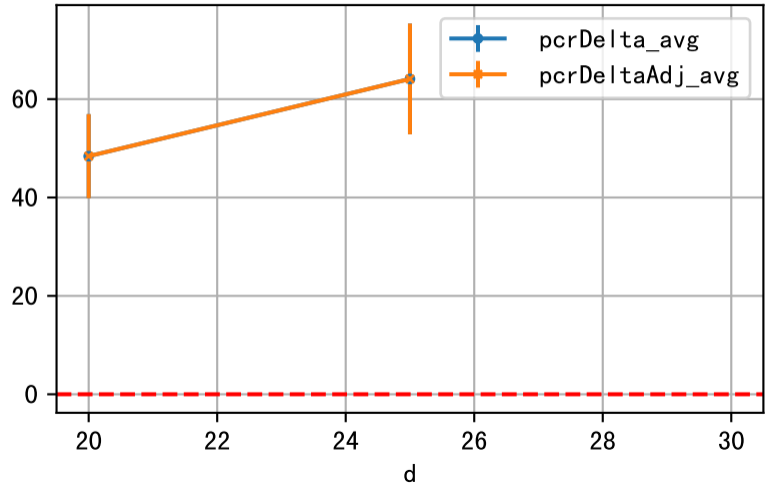
LfA: model est vs obs0v@Q50



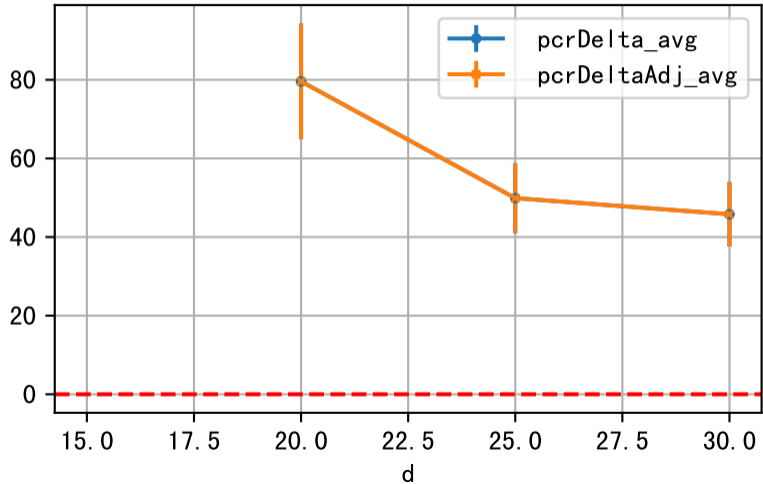


### P3 LfA: D\_5d\_LfA

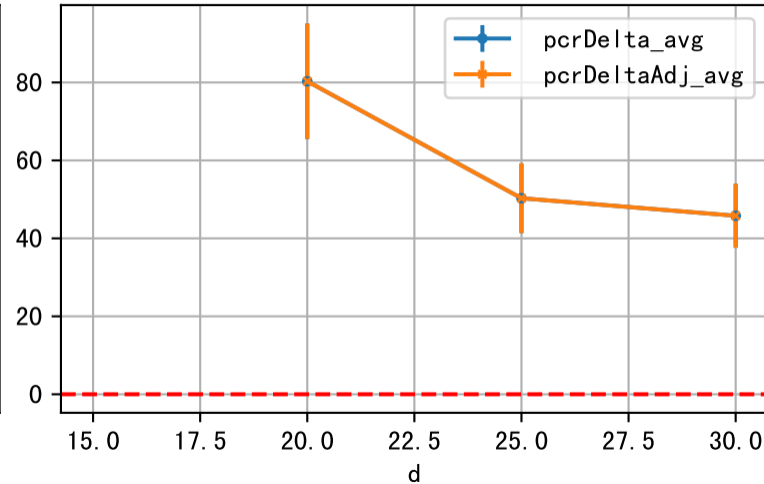
#### DeltaTypeAbbr=GrpByAge



#### DeltaTypeAbbr=GrpByDay

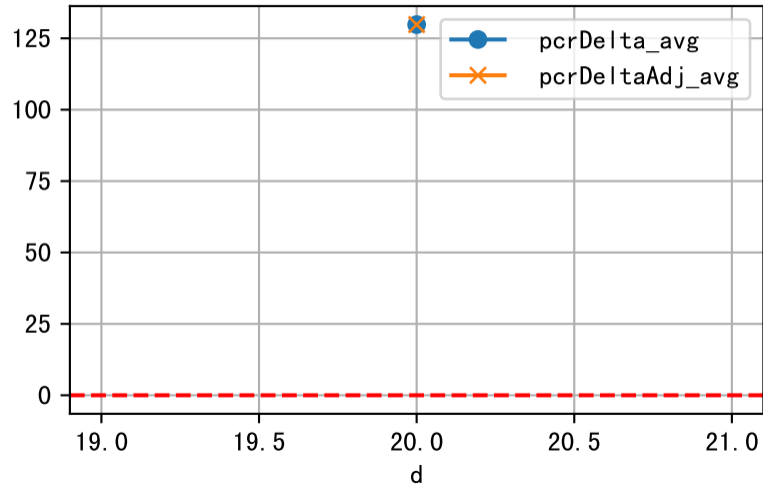


#### DeltaTypeAbbr=Wei AvgByD

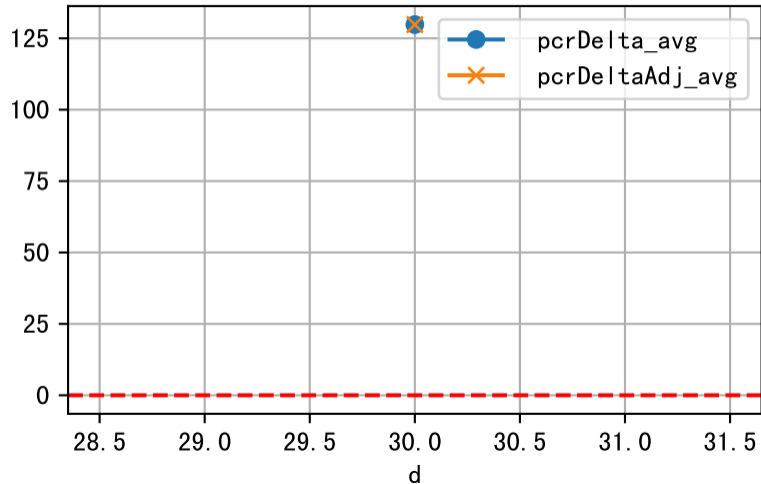


## P3 LfA: D\_15d\_LfA

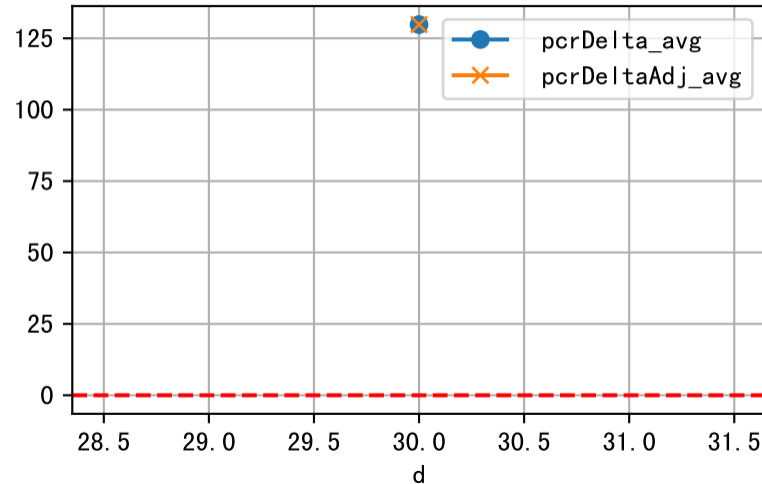
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

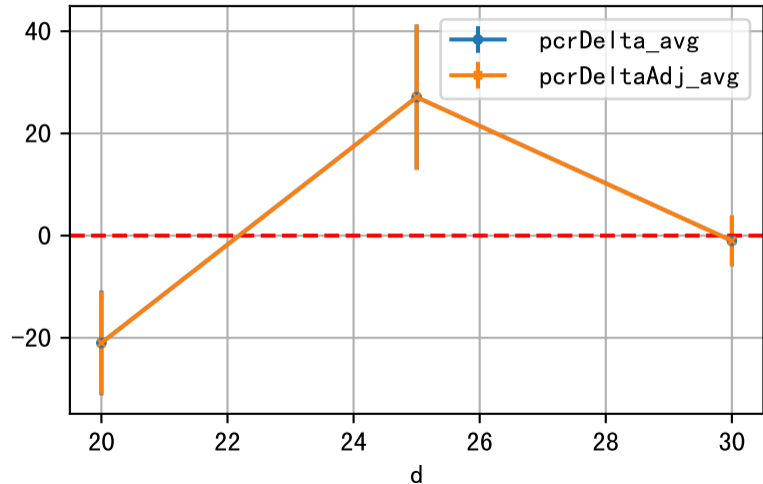


DeltaTypeAbbr=Wei AvgByD

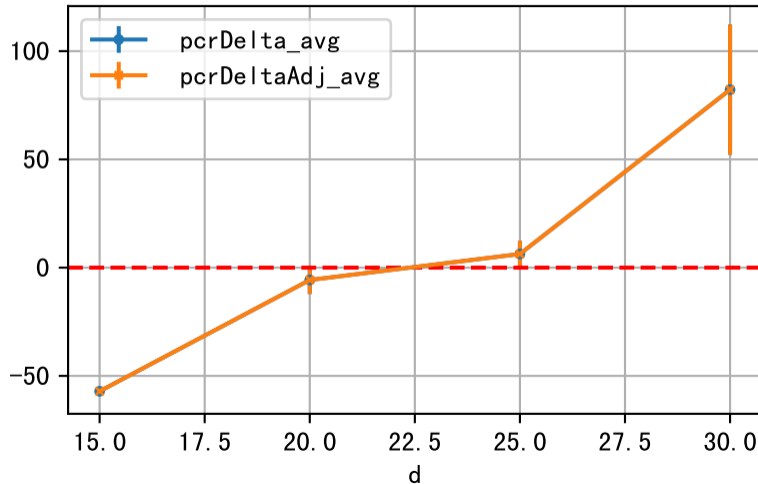


## P3 LfA: D\_Q50\_LfA

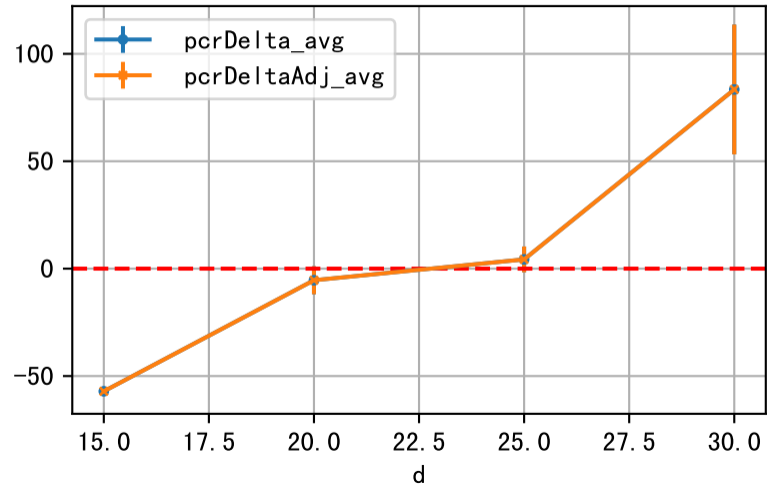
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

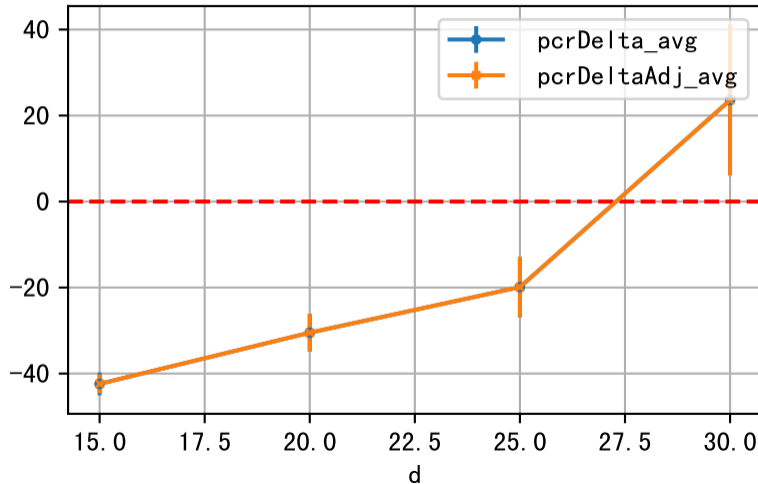


DeltaTypeAbbr=Wei AvgByD

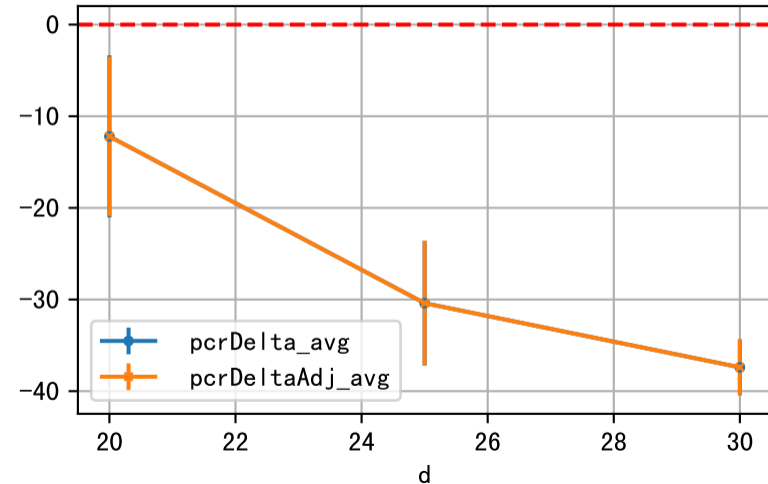


P3 LfA: D\_Est\_LfA

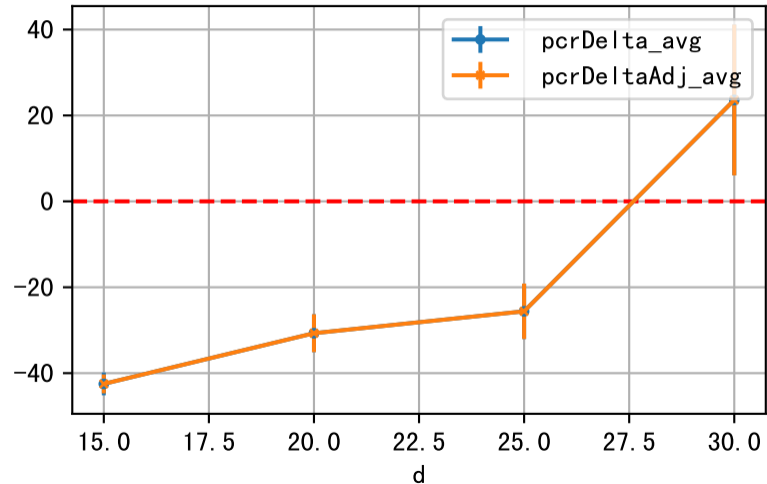
DeltaTypeAbbr=GrpByDay



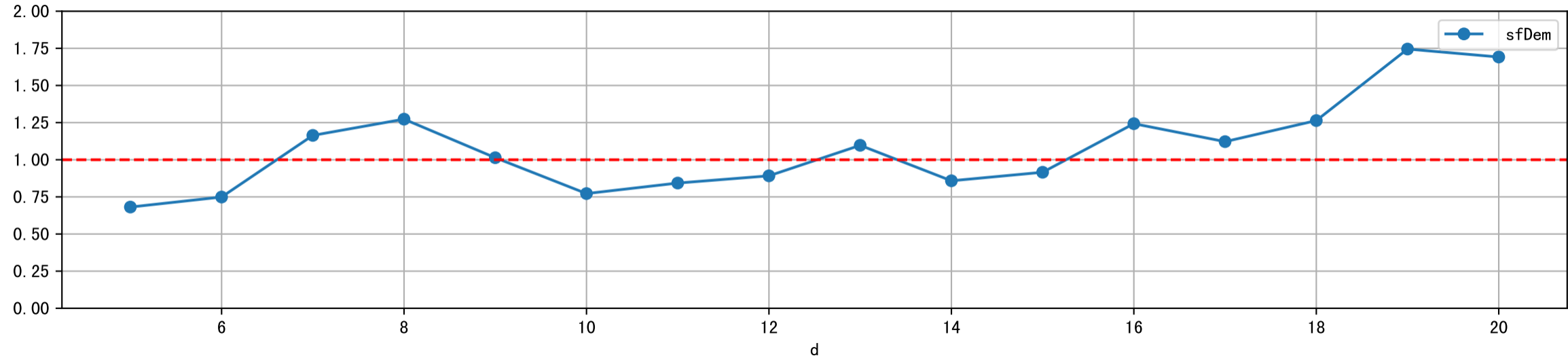
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD



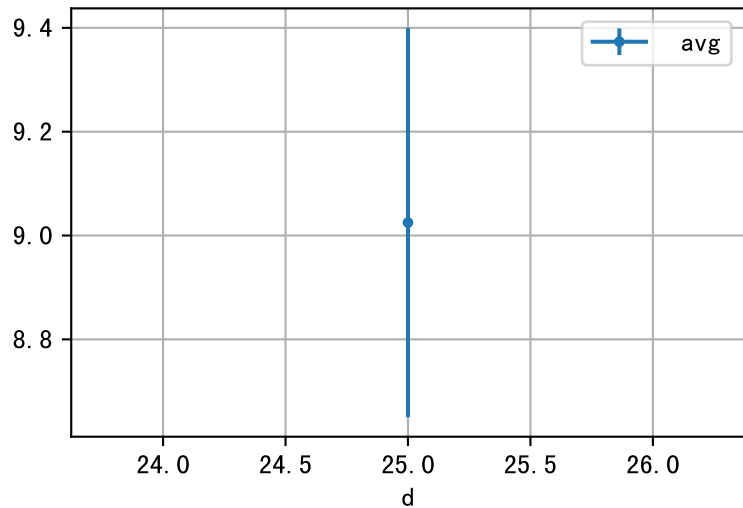
LfA: sfDem



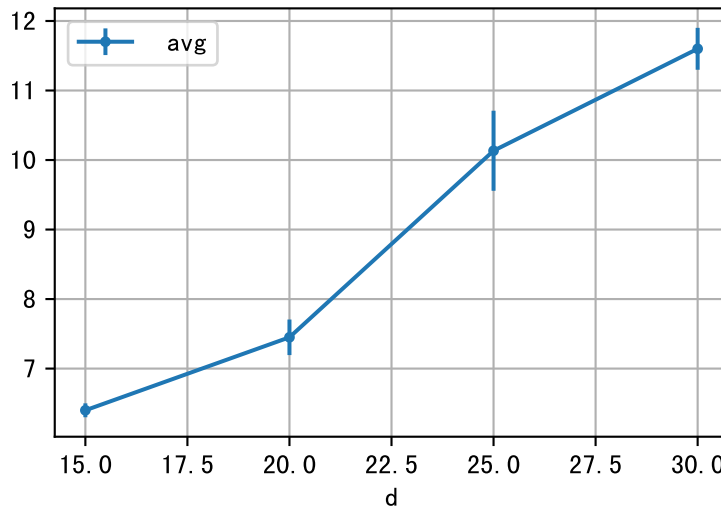


# NdD: avg vs. d at each age group

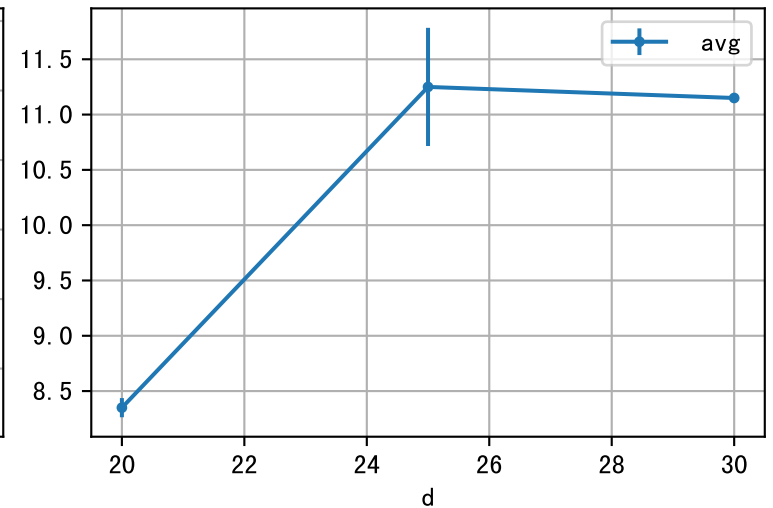
## age=15



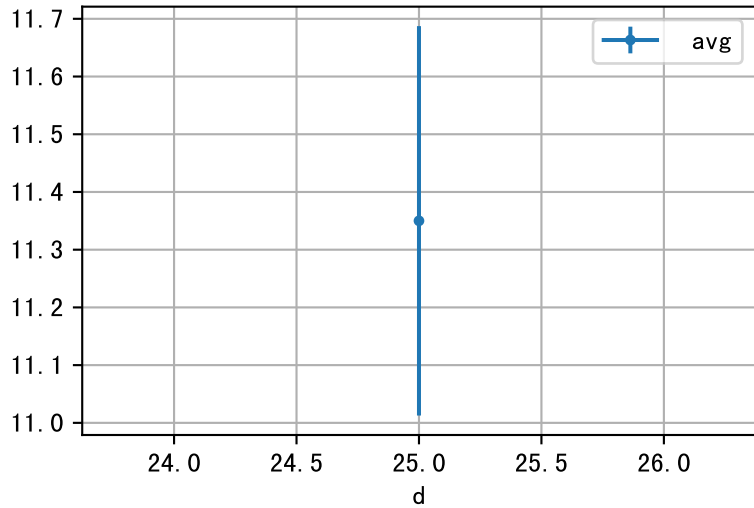
## age=20



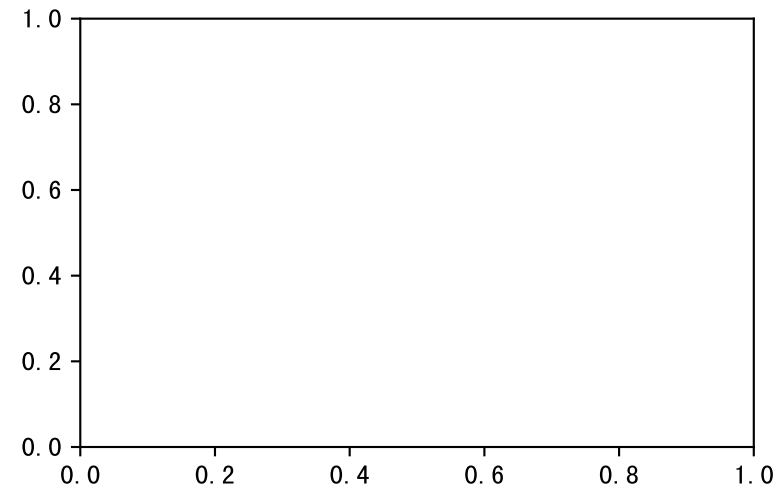
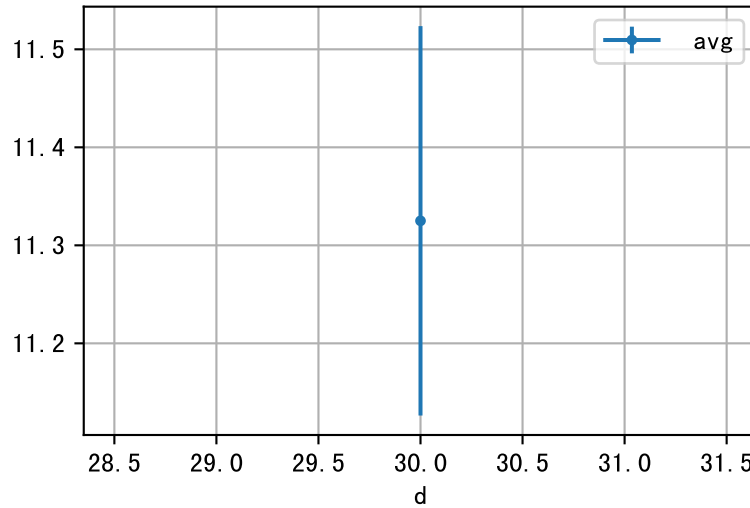
## age=25



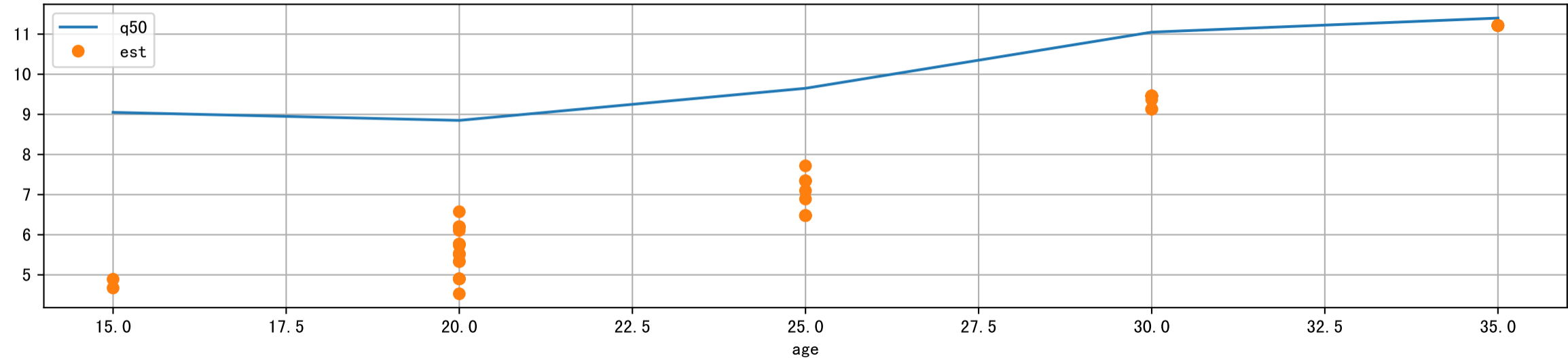
## age=30



## age=35



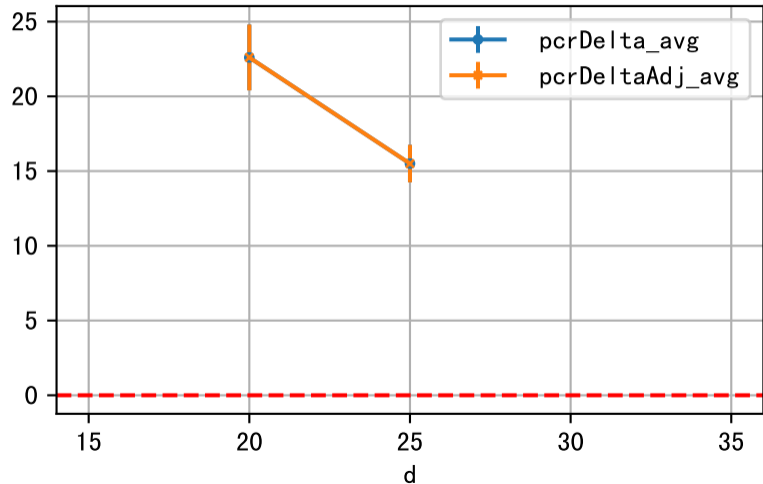
NdD: model est vs obs0v@Q50



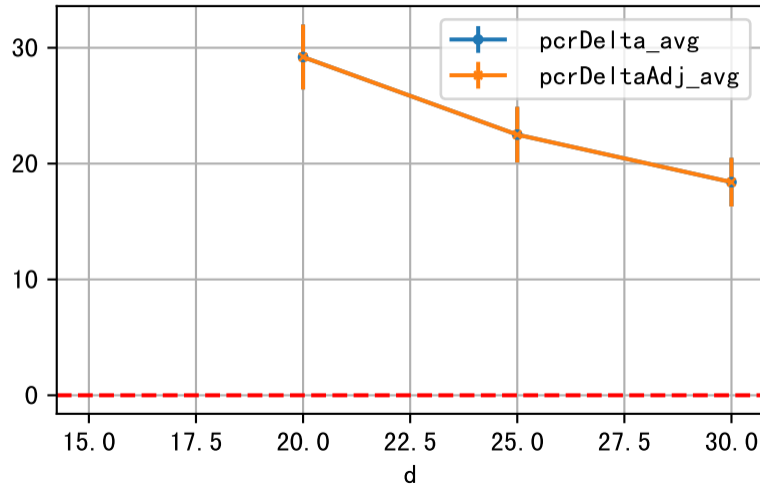


## P3 NdD: D\_5d\_NdD

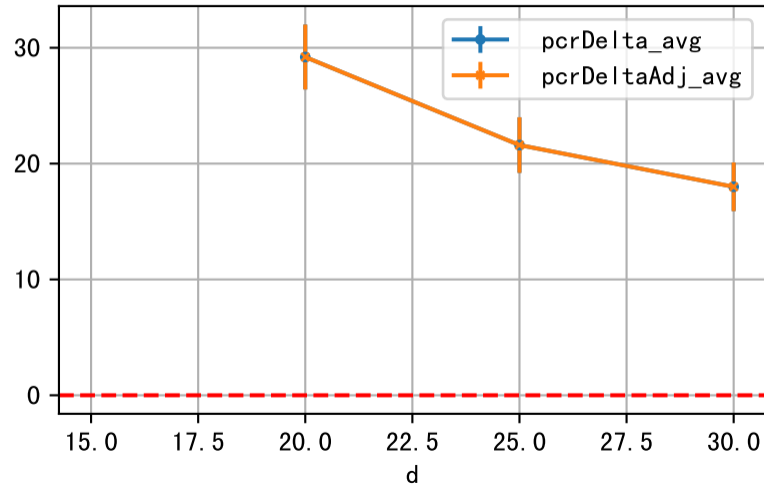
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

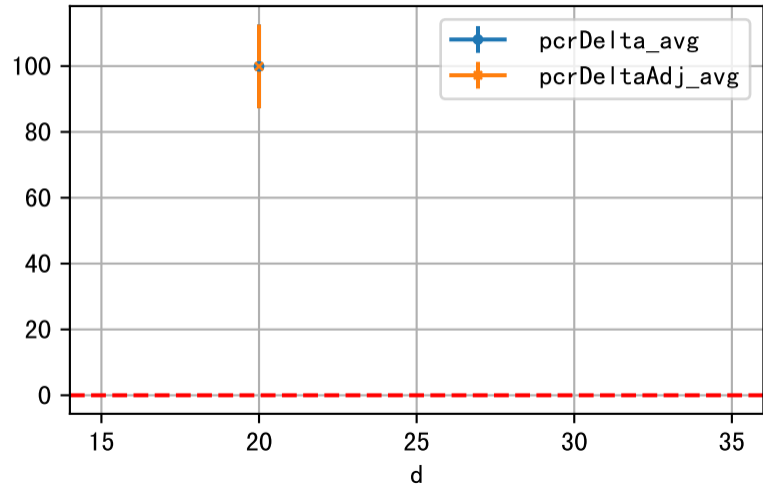


DeltaTypeAbbr=Wei AvgByD

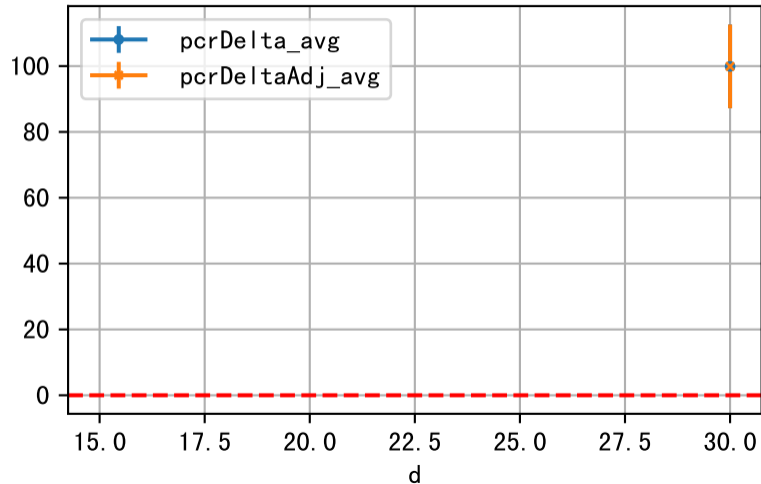


## P3 NdD: D\_15d\_NdD

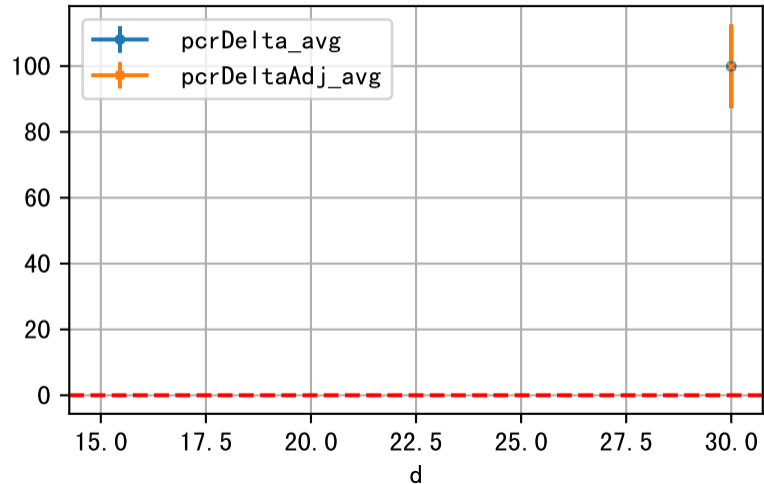
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

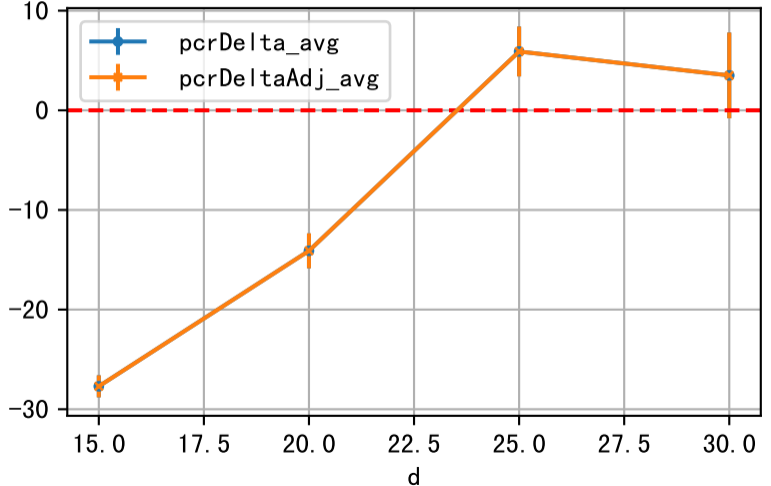
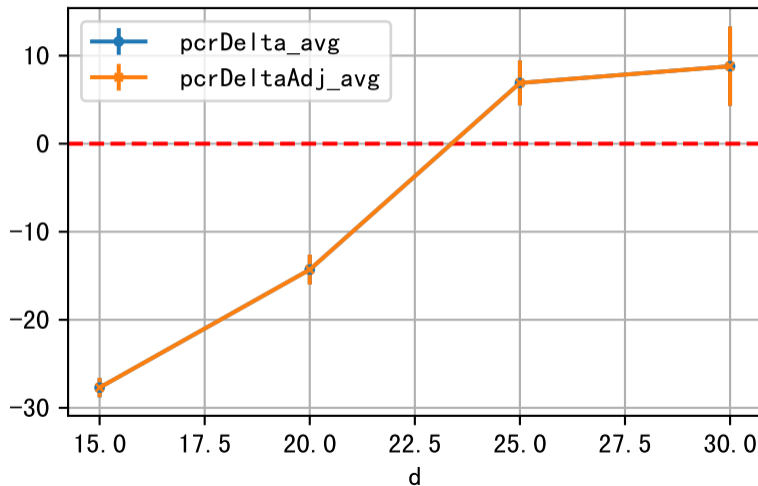
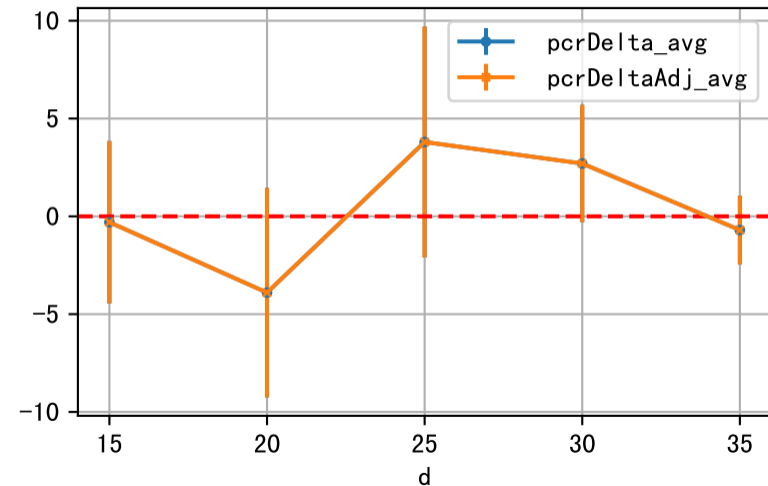


## P3 NdD: D\_Q50\_NdD

DeltaTypeAbbr=GrpByAge

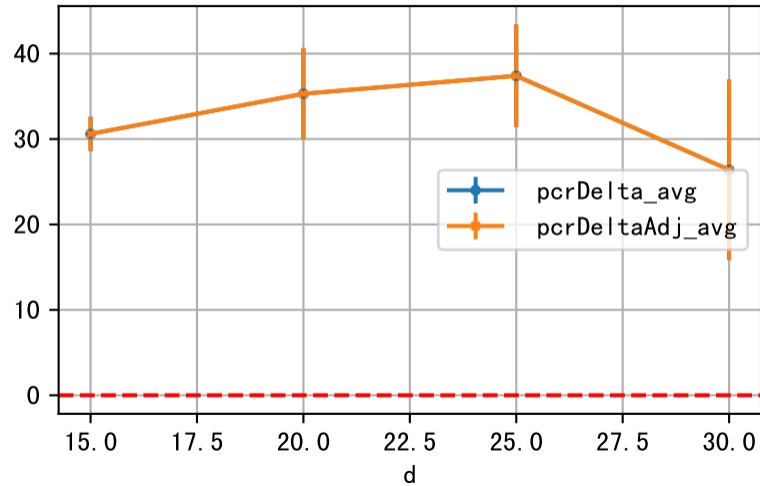
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

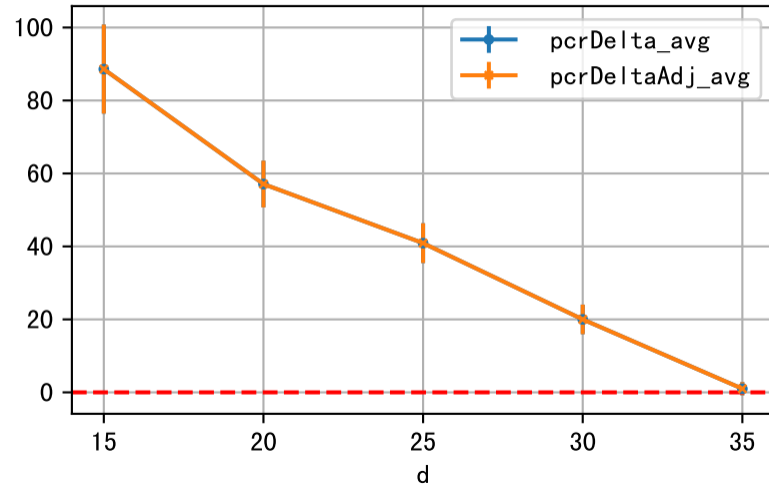


P3 NdD: D\_Est\_NdD

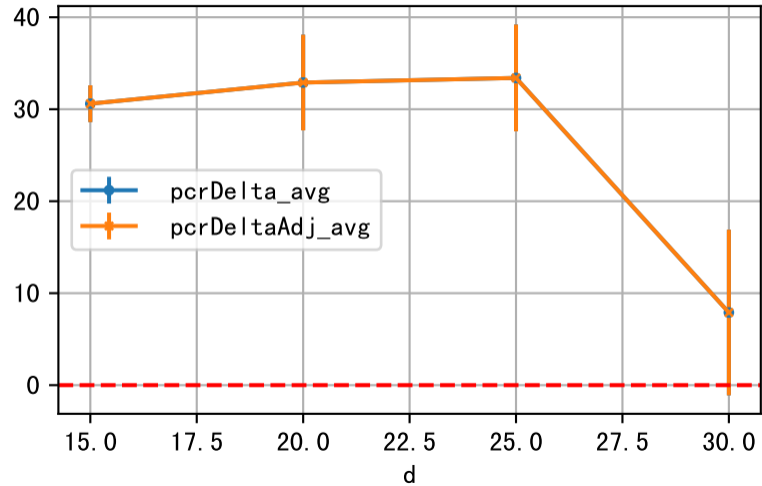
DeltaTypeAbbr=GrpByDay



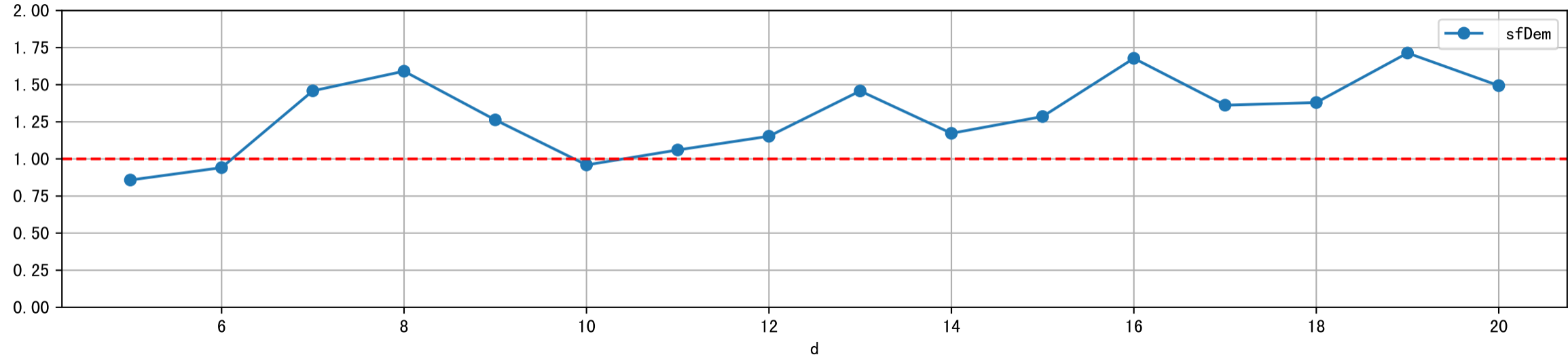
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD

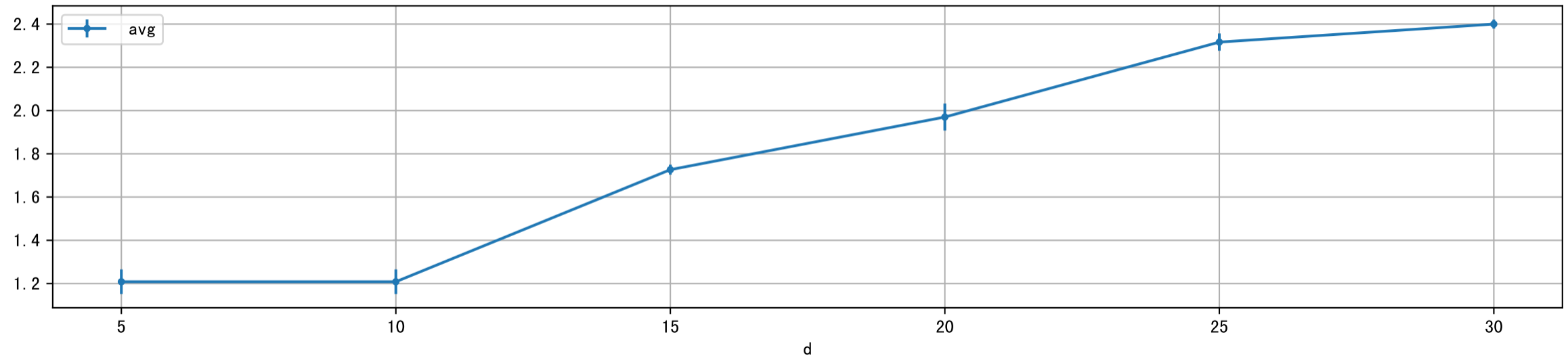


NdD: sfDem

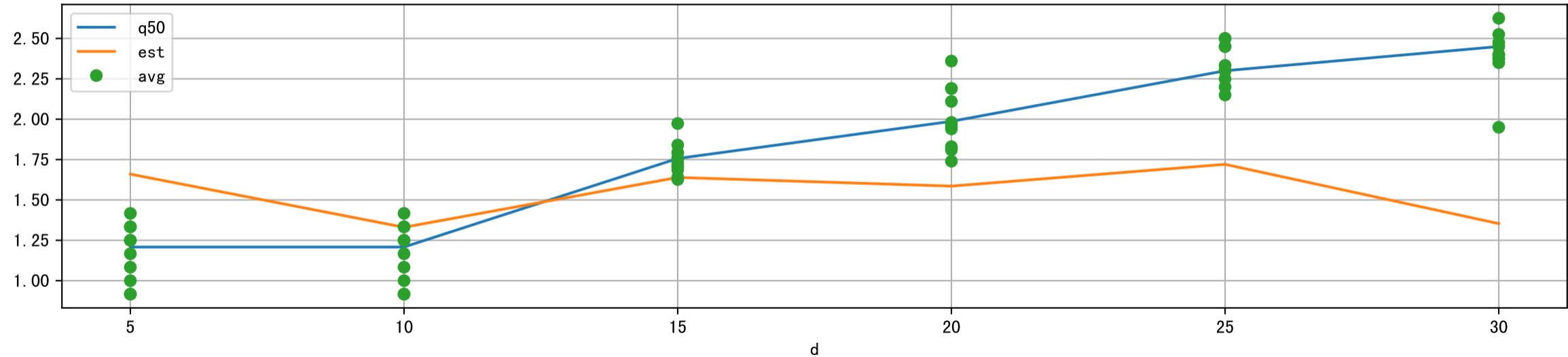




dStH: avg vs. d

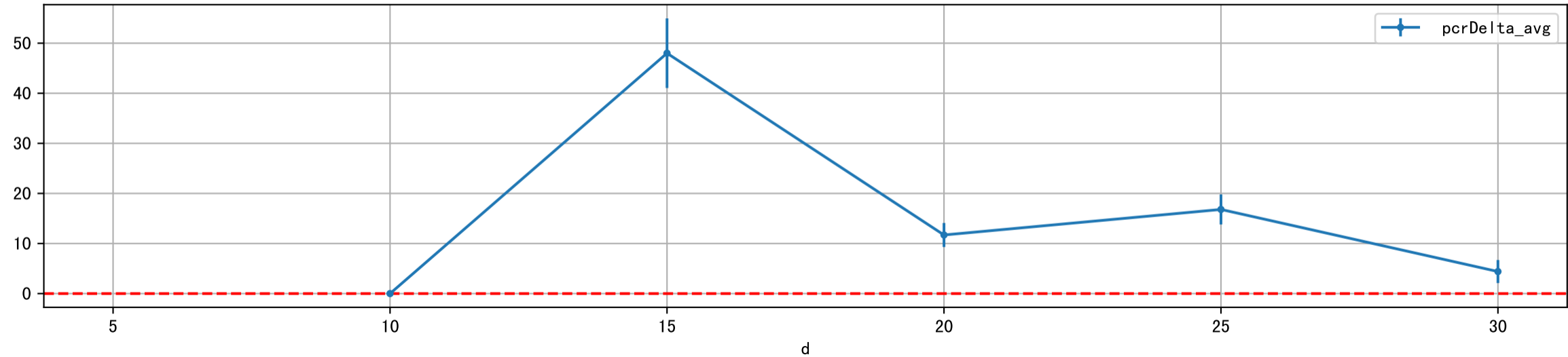


dStH: obsAvg vs obs0v@Q50

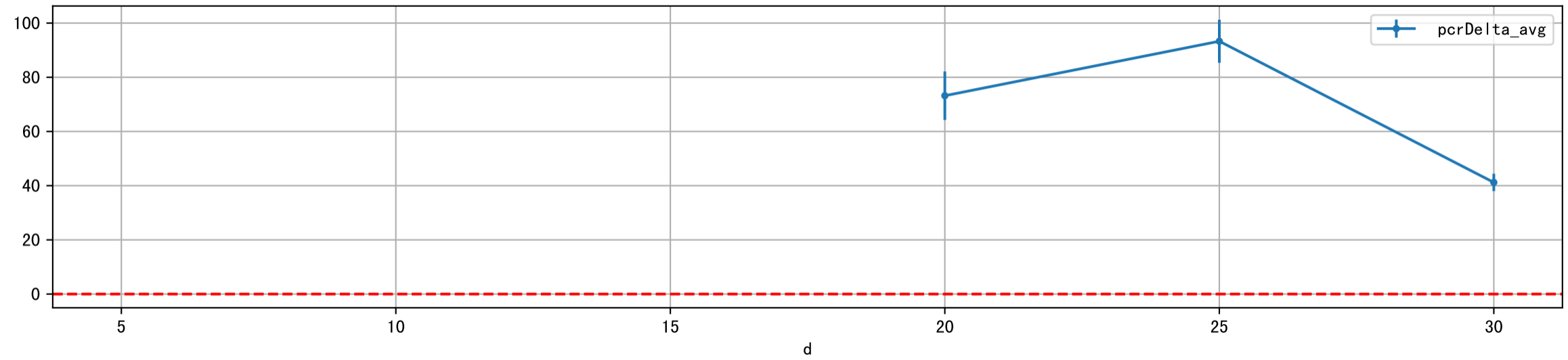




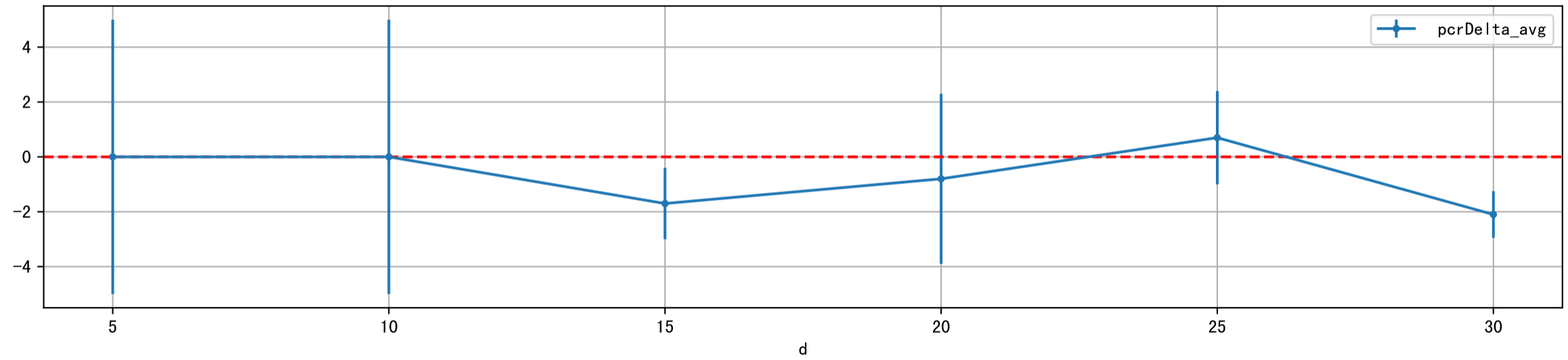
dStH: D\_5d\_StH



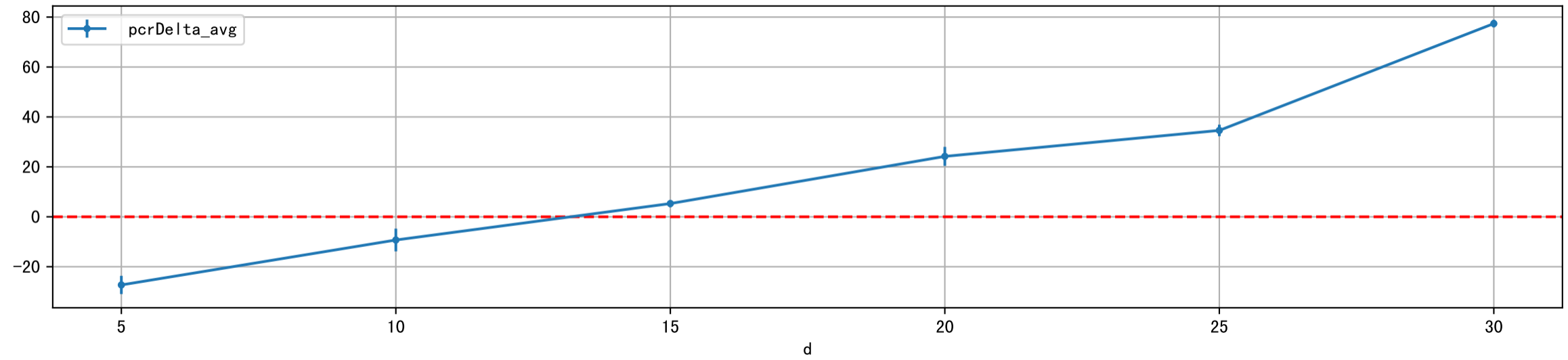
dStH: D\_15d\_StH



dStH: D\_Q50\_StH



dStH: D\_Est\_StH



dStH: sfDem

