

# Phenotype Data Analysis Plots

PhenoData day range = 5 - 29

Analysis cutoff day = 29

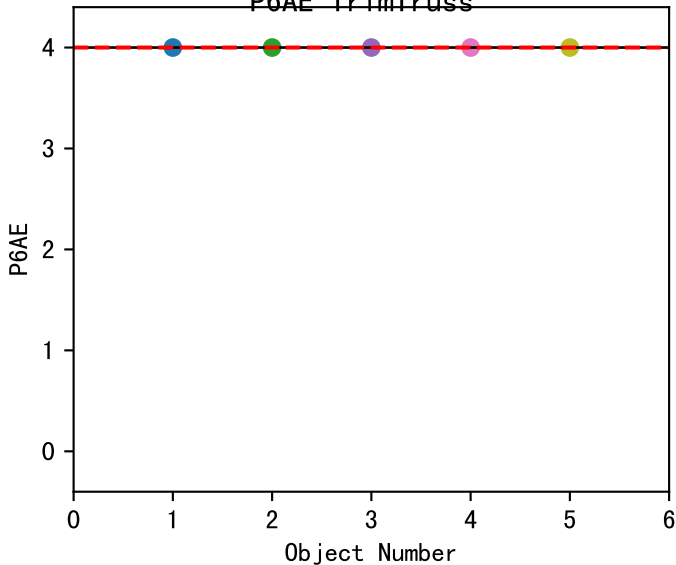
NC11 P6

2025-05-05 (Day 30)

TrussNodeMaxPerStem (Def=4.0 Set=4)

avg1=4.0~0% avg2=na

P6AE TrimTruss



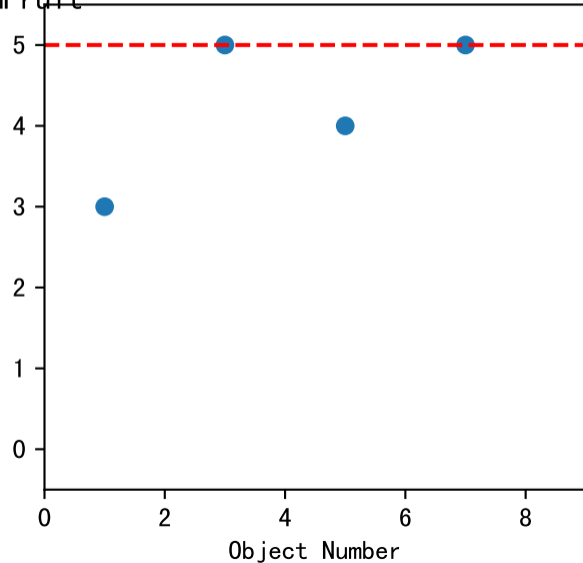
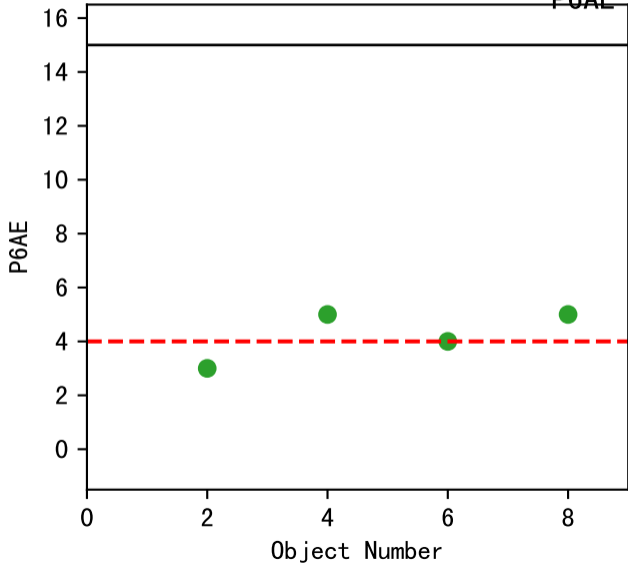
FruitNumAvgPerTruss (Def=15 Set=4)

avg1=4.0~21% avg2=na

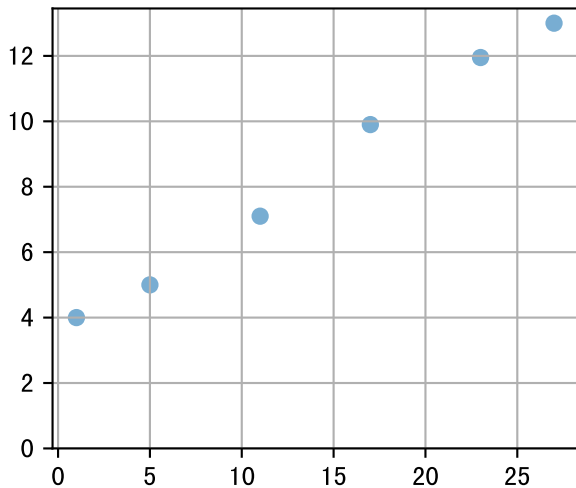
P6AE TrimFruit

FruitNumMaxPerTruss (Def=na Set=5)

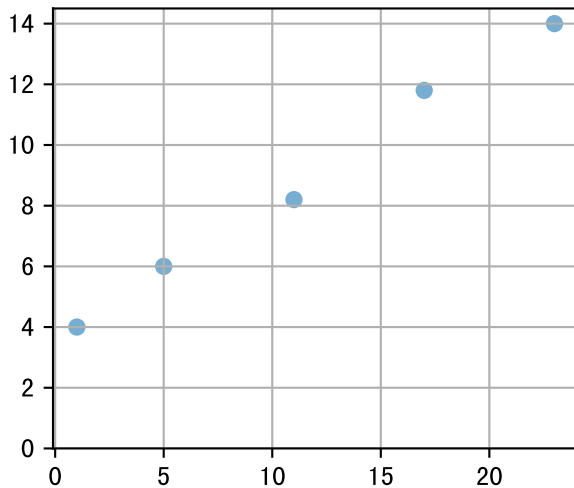
avg1=5.0~19% avg2=na



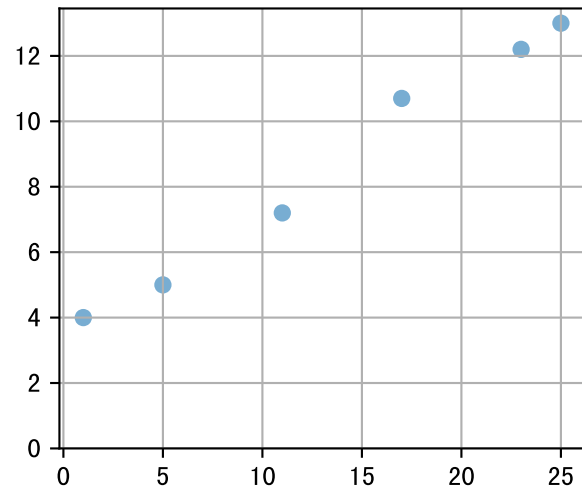
P6AE-007-10 (fit failed)



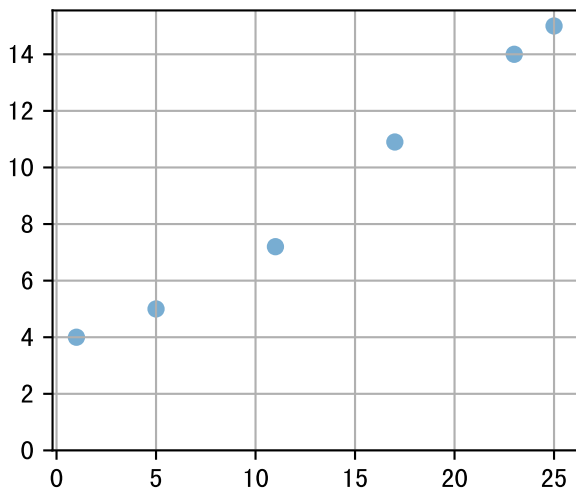
P6AE-014-10 (fit failed)



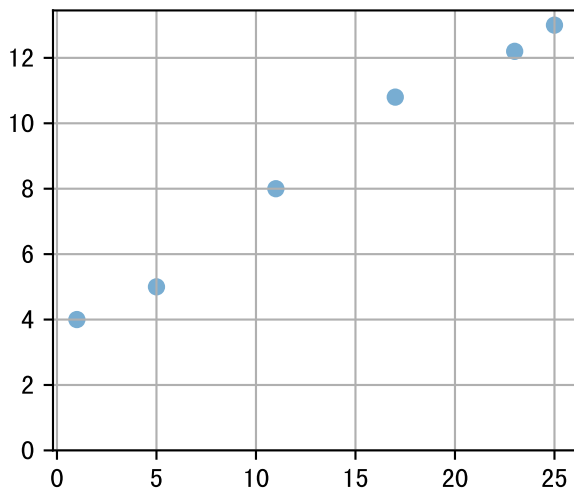
P6AE-026-25 (fit failed)



P6AE-033-4 (fit failed)

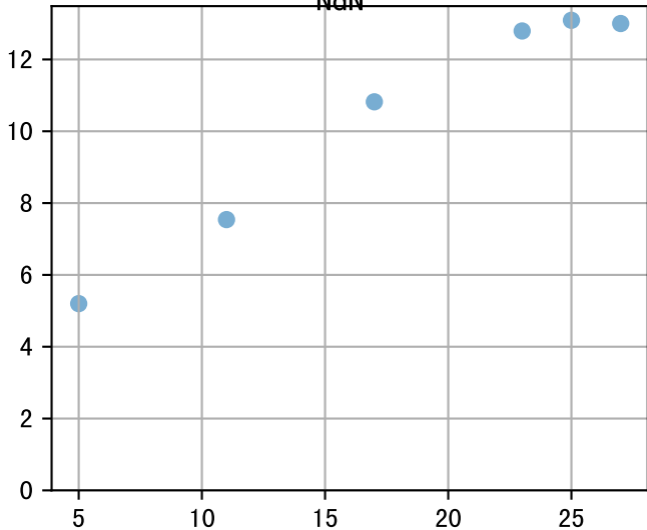


P6AE-045-12 (fit failed)

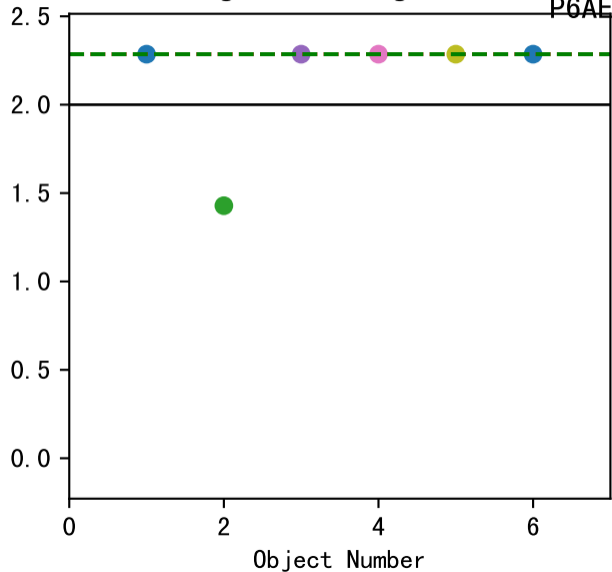


P6AEavg (fit failed)

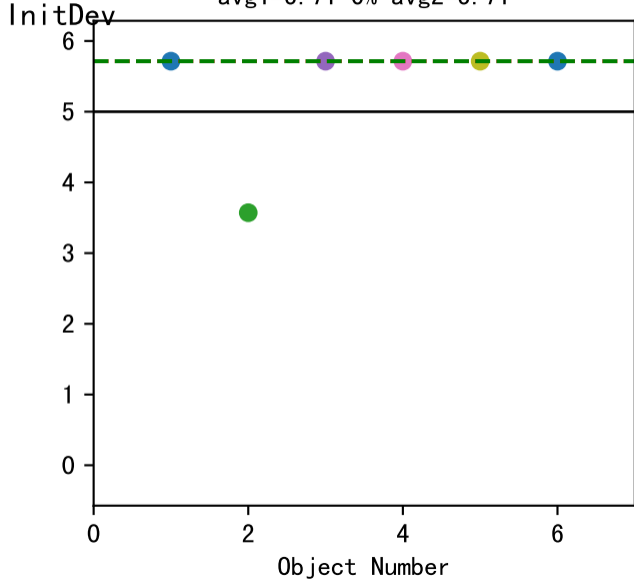
NdN



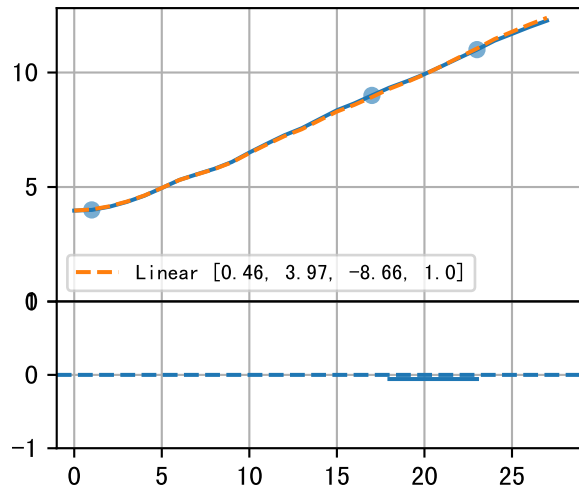
InitDev\_dm (Def=2 Set=2.29)  
avg1=2.29~0% avg2=2.29



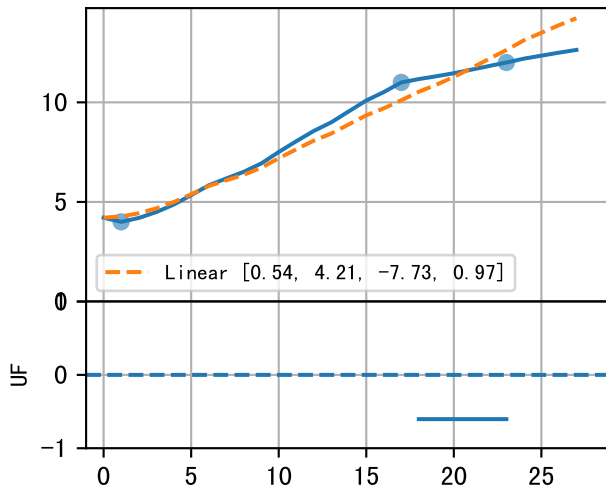
InitDev\_de (Def=5 Set=5.71)  
avg1=5.71~0% avg2=5.71



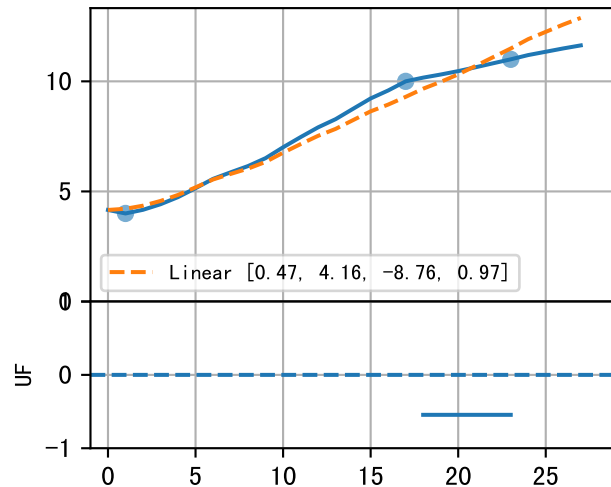
P6AE-007-10



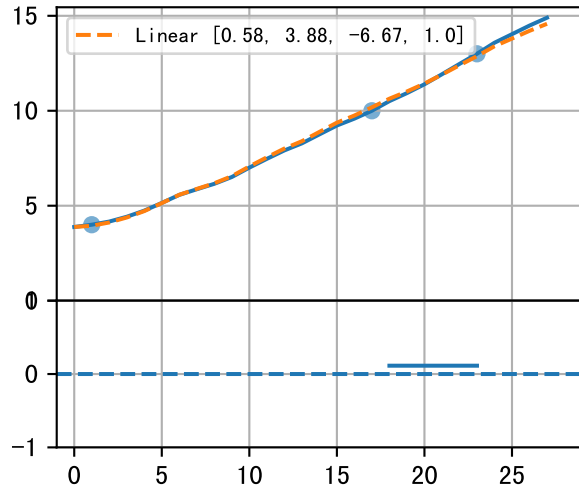
P6AE-014-17



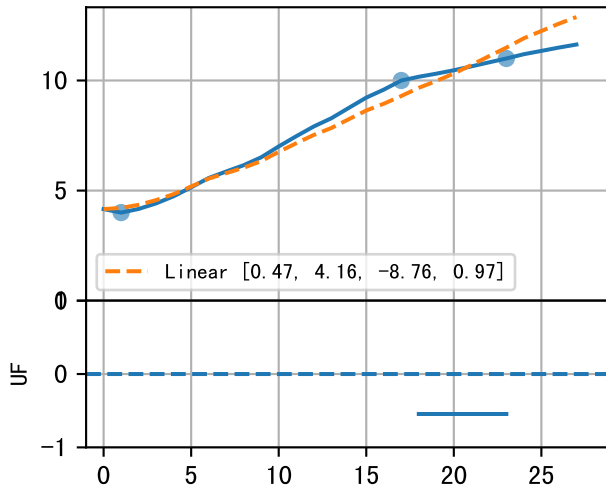
P6AE-026-25



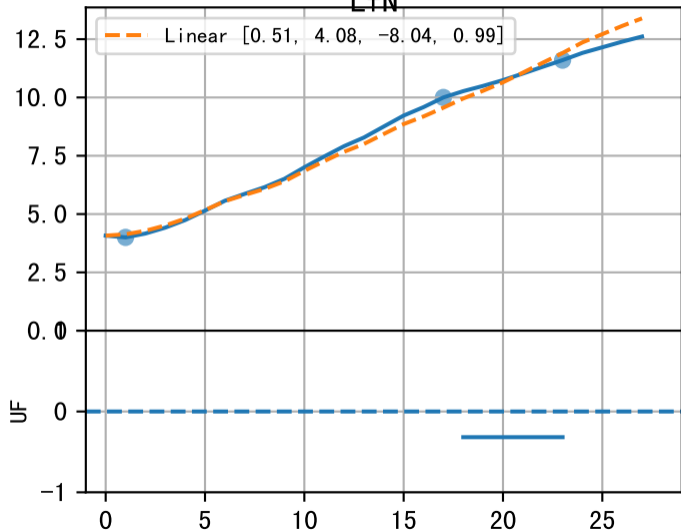
P6AE-033-4



P6AE-045-12

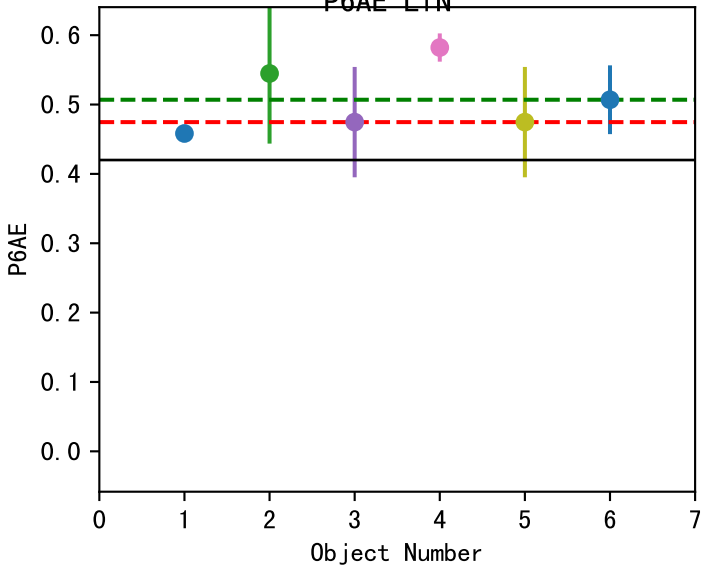


P6AEavg  
LfN

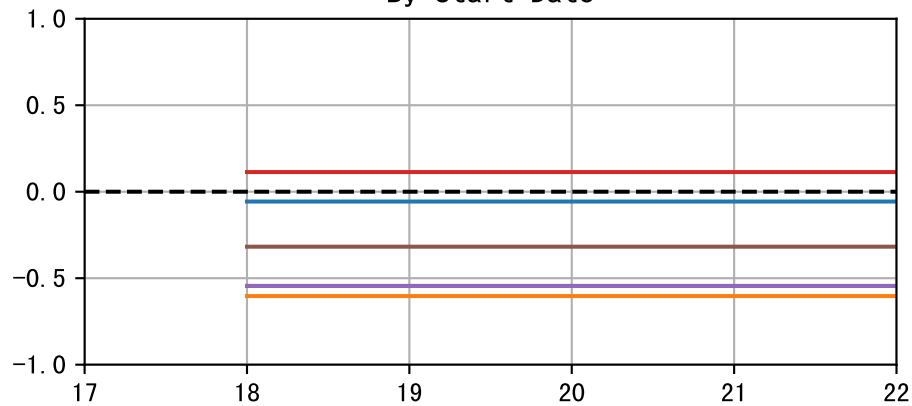




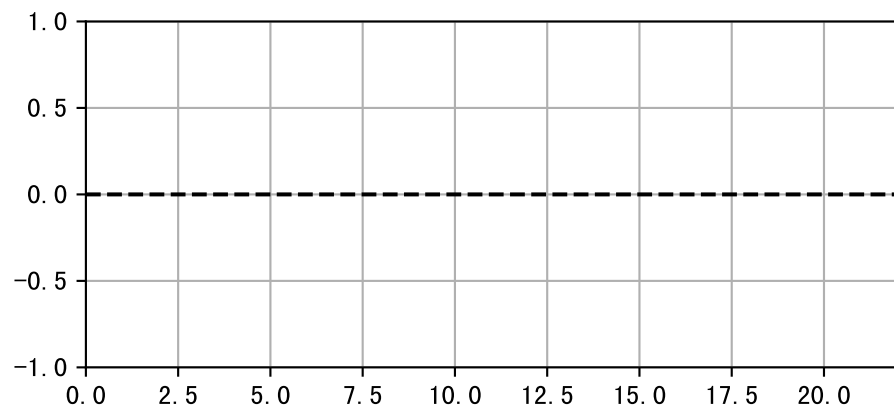
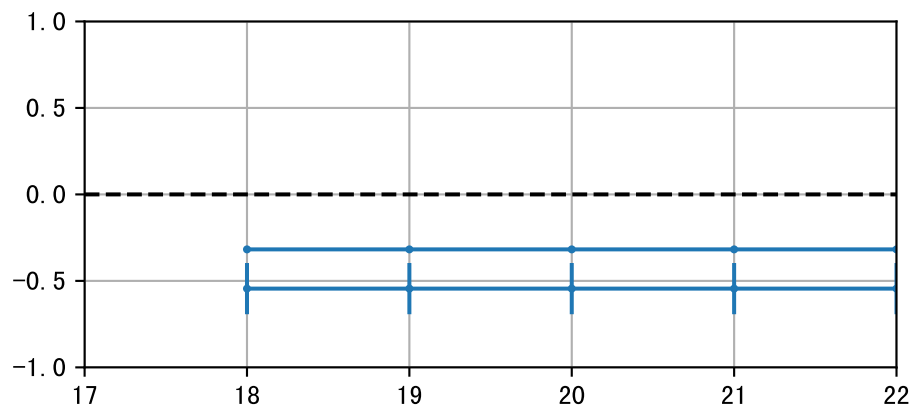
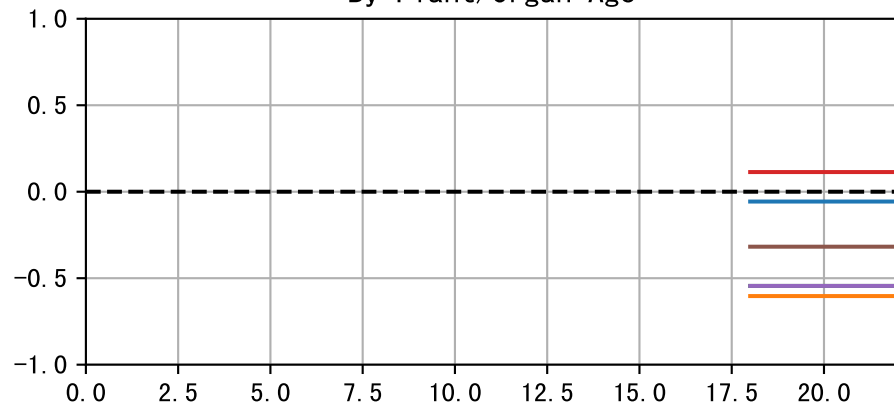
a (Def=0.42 Set=0.51)  
avg1=0.47~11% avg2=0.51~22%



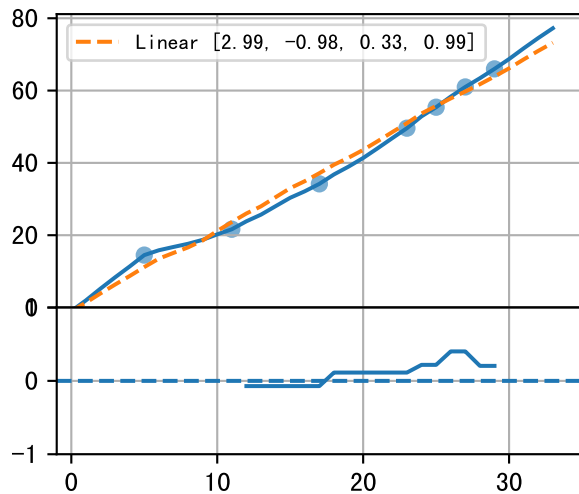
By Start Date



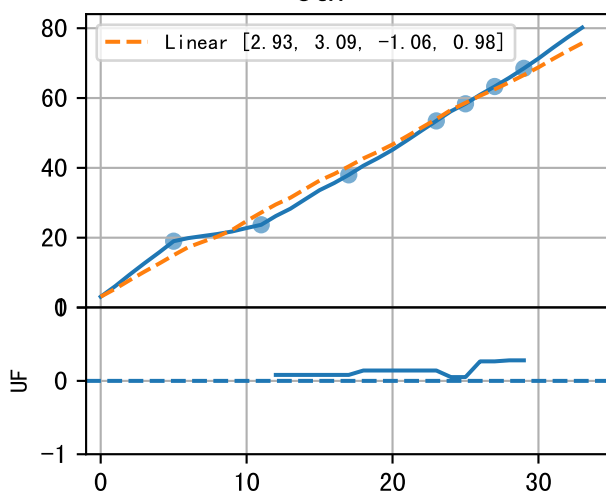
By Plant/Organ Age



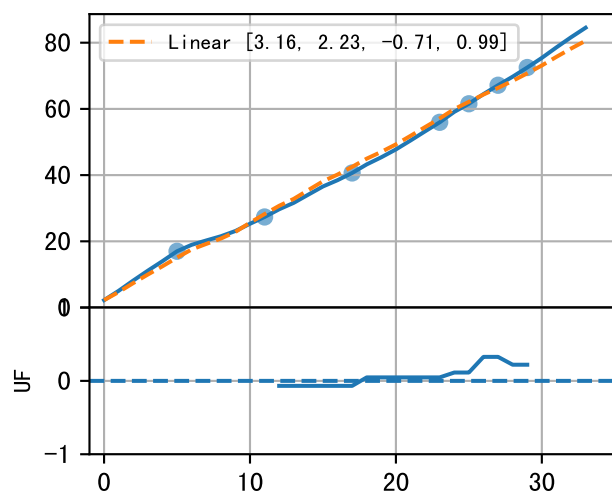
P6AE-007-10



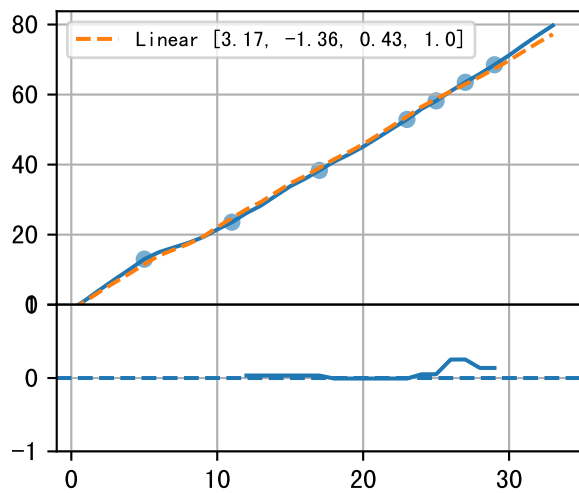
P6AE-014-17



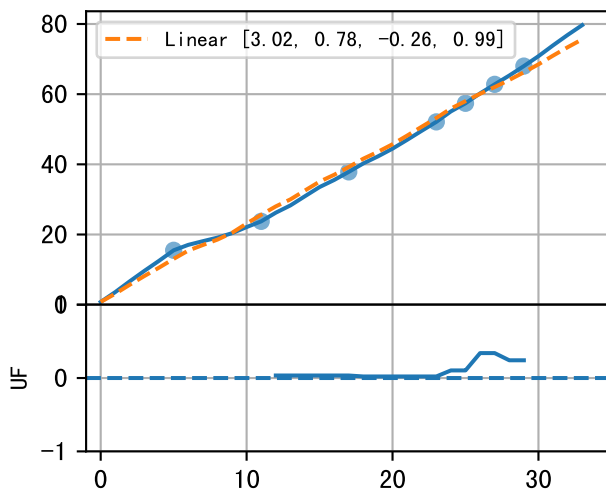
P6AE-026-25



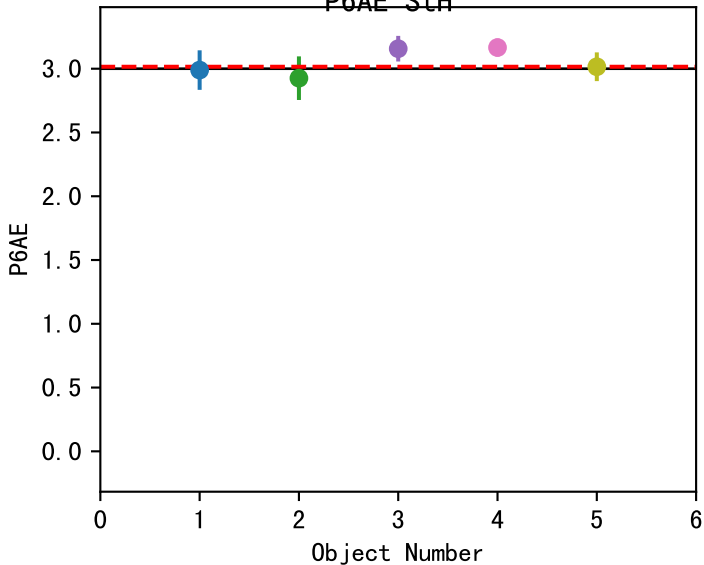
P6AE-033-4



P6AE-045-12

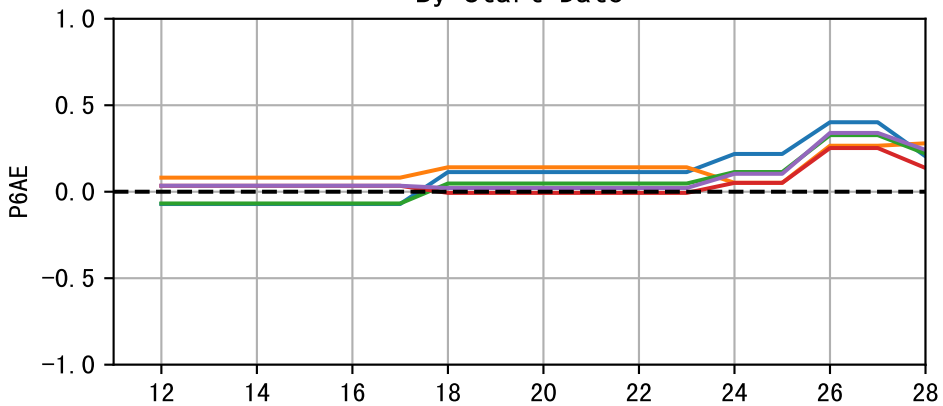


a (Def=3 Set=3.02)  
avg1=3.02~4% avg2=na

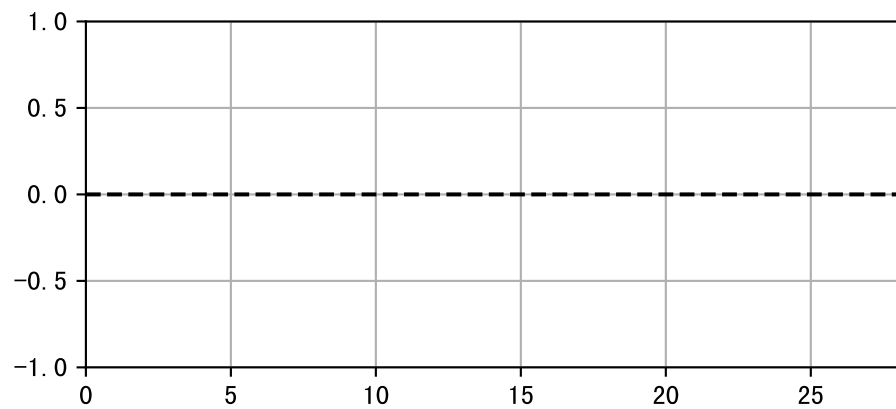
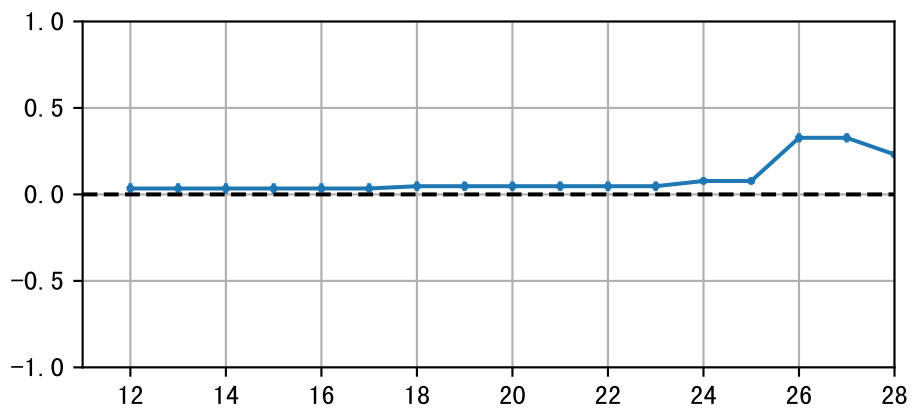
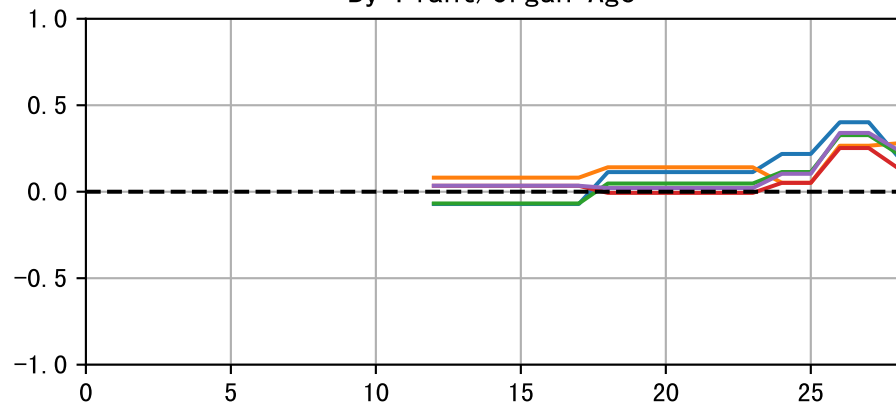


StH

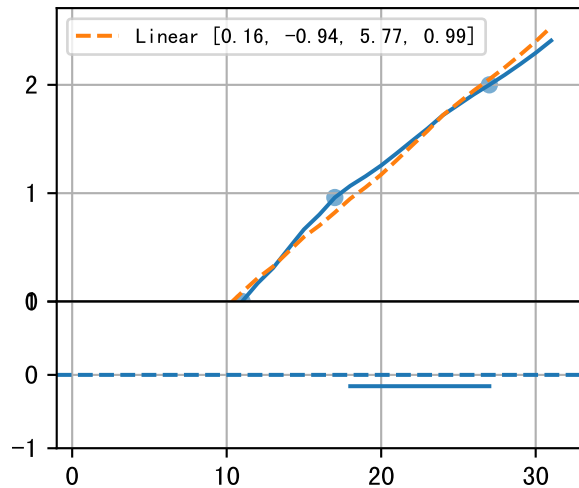
By Start Date



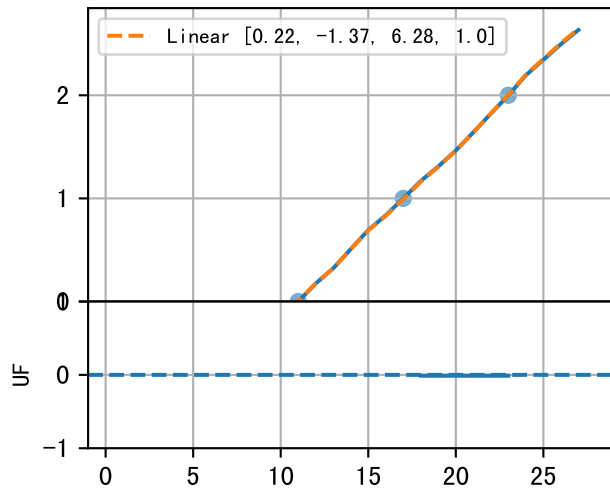
By Plant/Organ Age



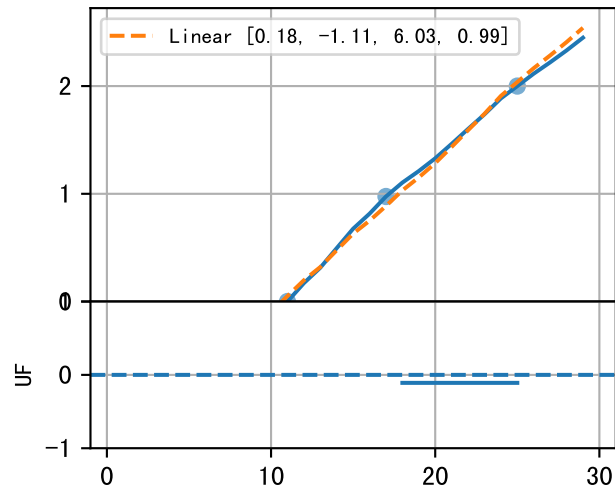
P6AE-007-10



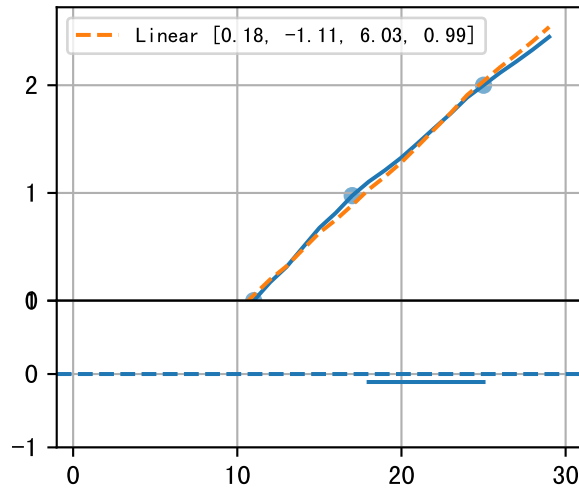
P6AE-014-17



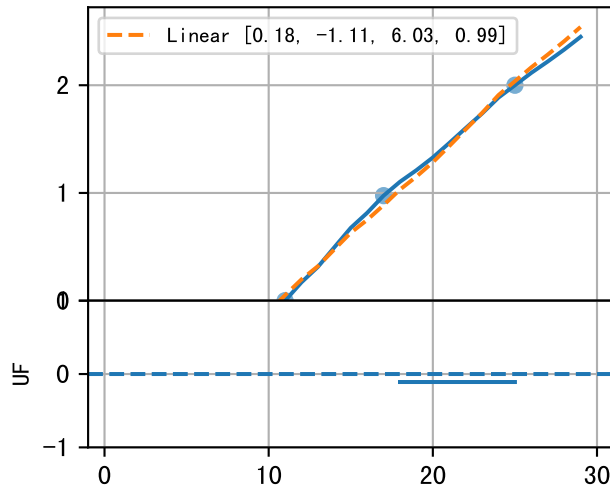
P6AE-026-25



P6AE-033-4

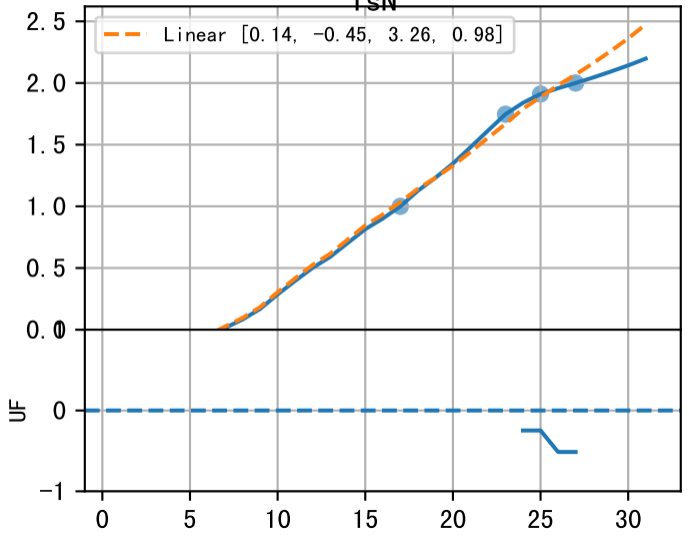


P6AE-045-12

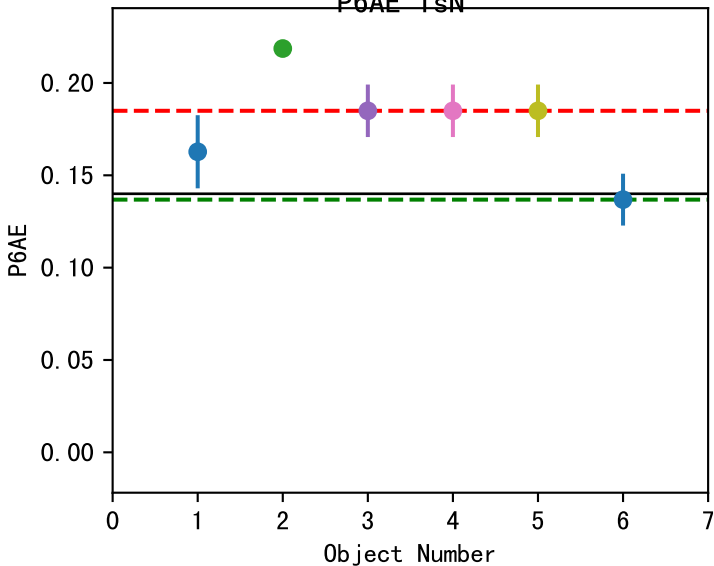


P6AEavg  
TSN

Linear [0.14, -0.45, 3.26, 0.98]

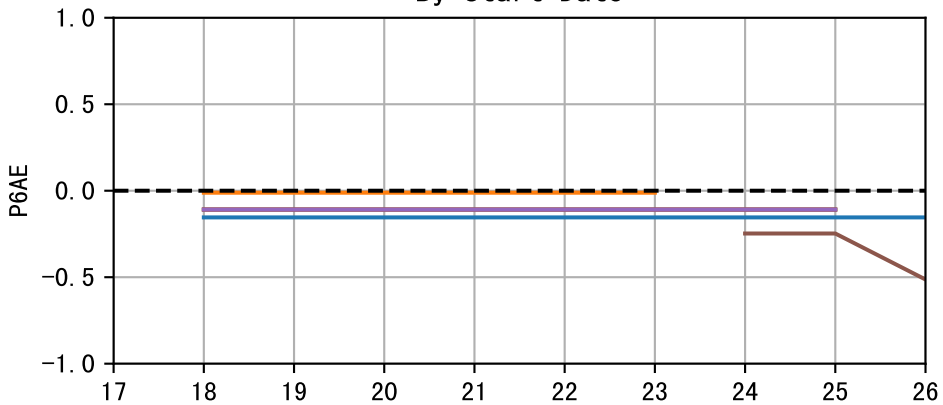


a (Def=0.14 Set=0.14)  
avg1=0.18 $\sim$ 0% avg2=0.14 $\sim$ 21%

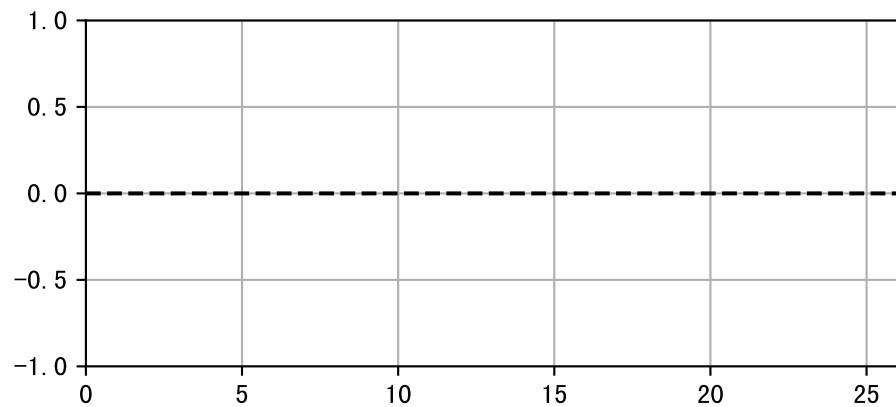
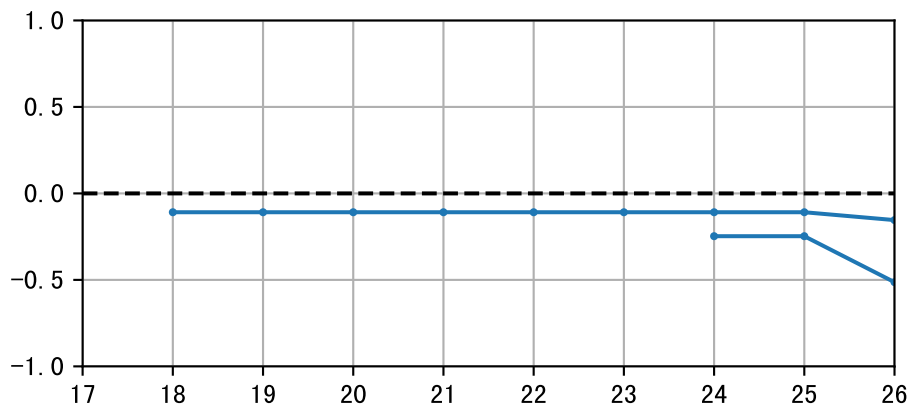
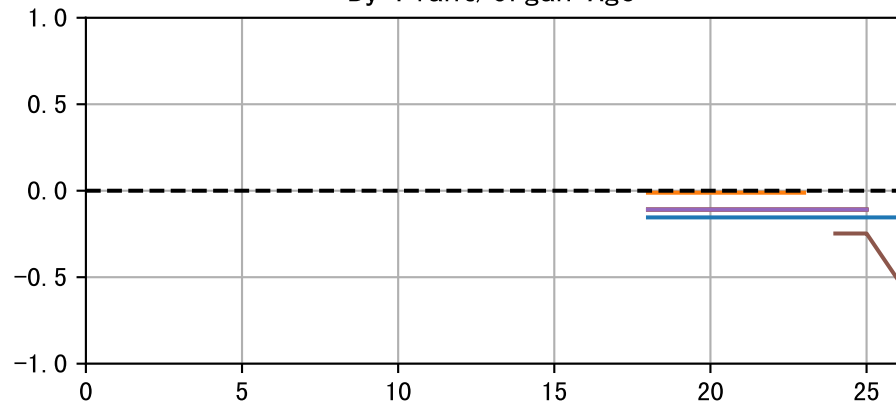




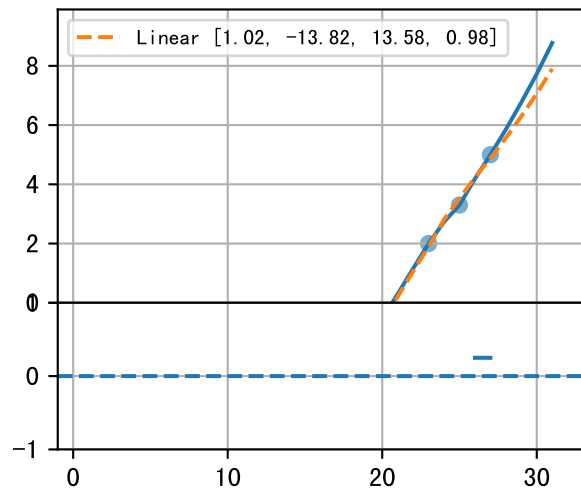
By Start Date



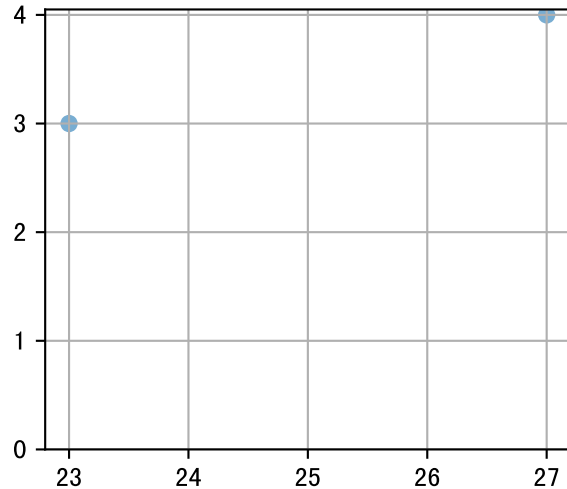
By Plant/Organ Age



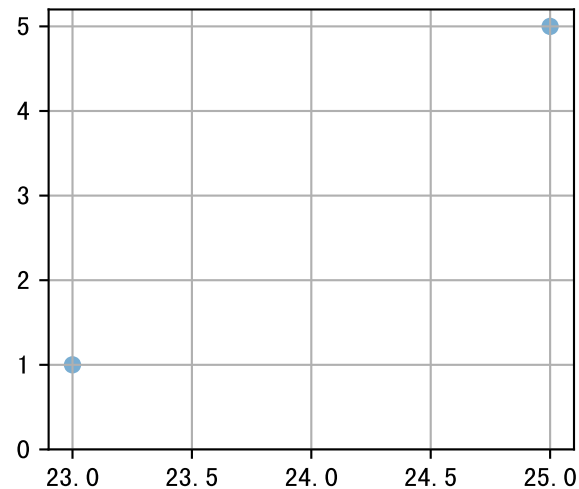
P6AE-014-17T1



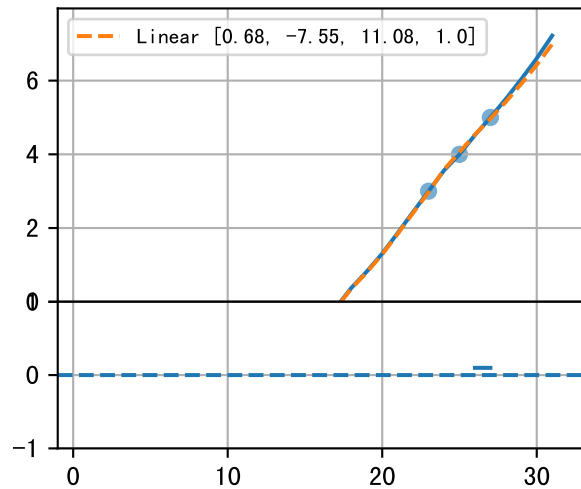
P6AE-026-25T1 (fit failed)



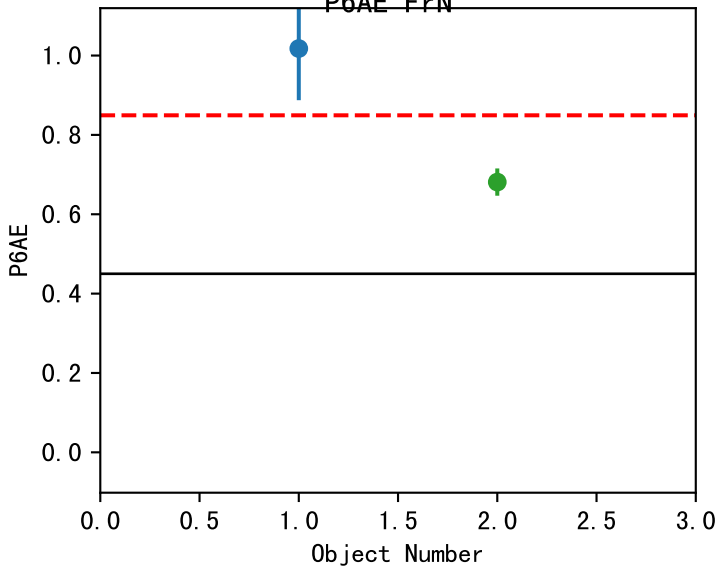
P6AE-033-4T1 (fit failed)



P6AE-045-12T1

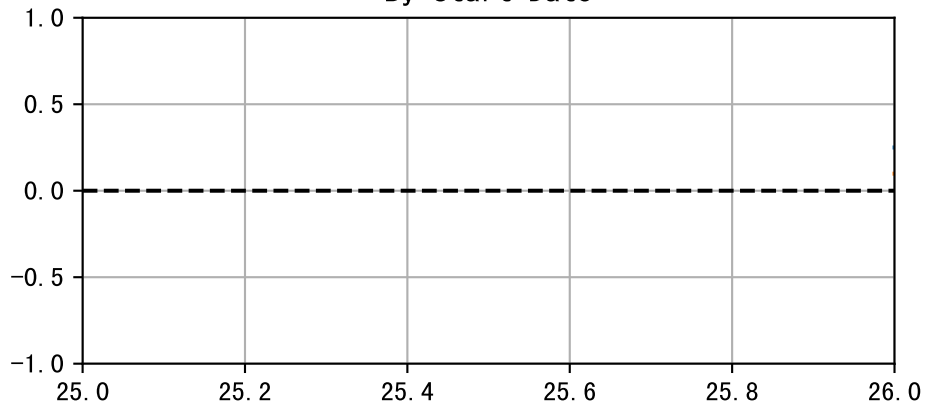


a (Def=0.45 Set=0.45)  
avg1=0.85~28% avg2=na

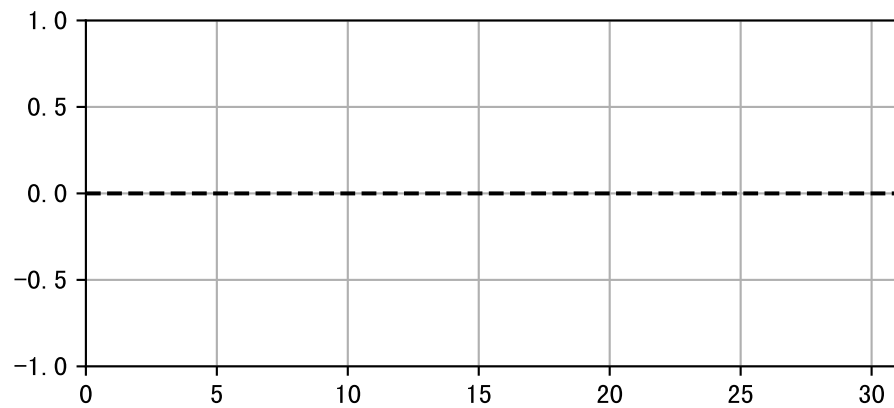
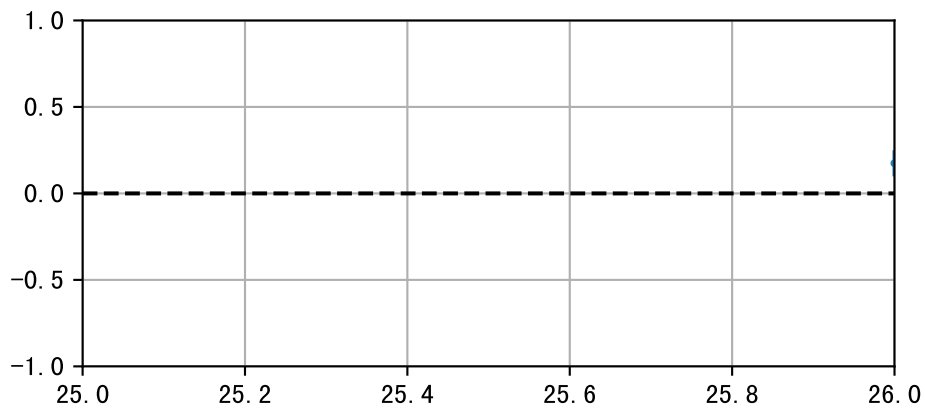
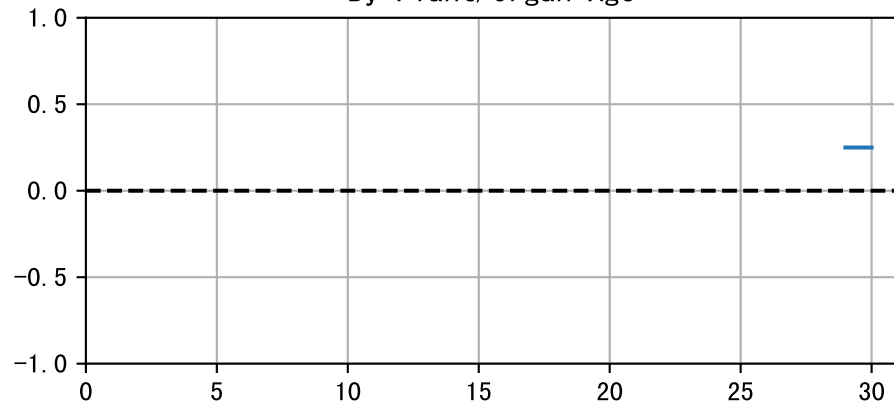


FrN

By Start Date

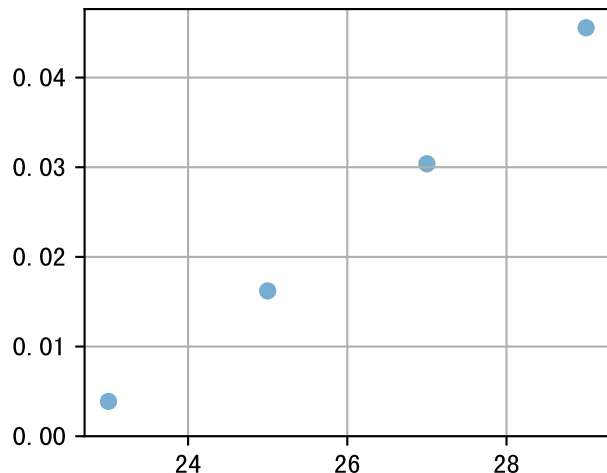


By Plant/Organ Age

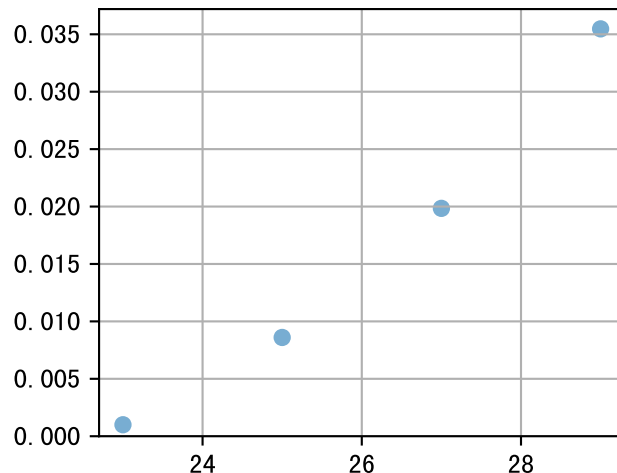


FrV

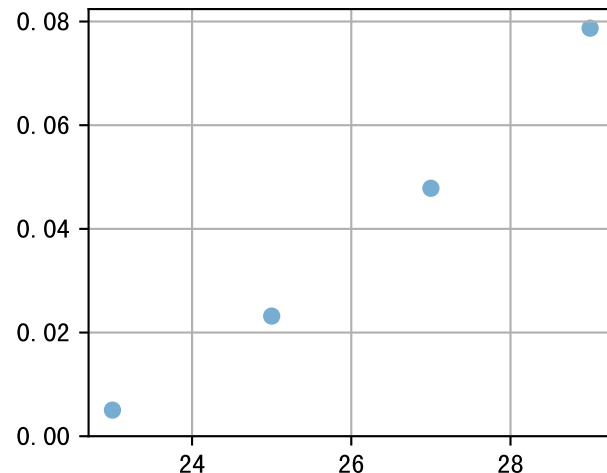
P6AE-007-10T1Fr1 (fit failed)



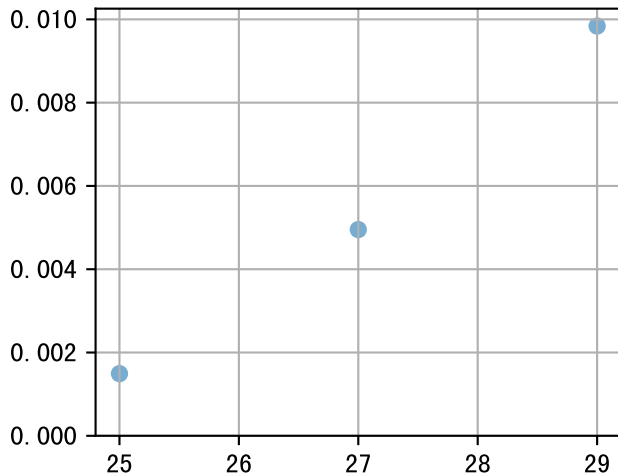
P6AE-007-10T1Fr5 (fit failed)



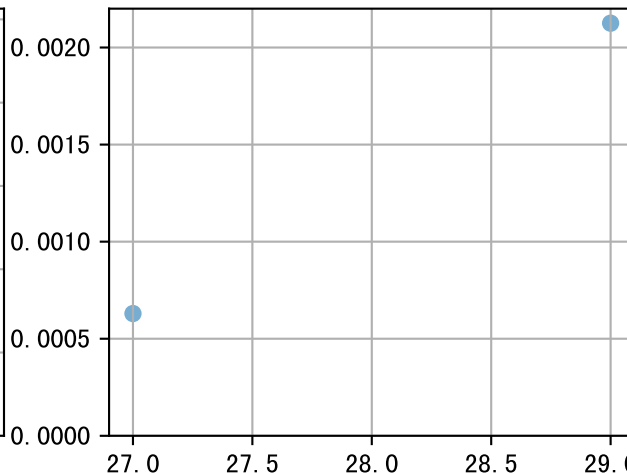
P6AE-014-17T1Fr1 (fit failed)



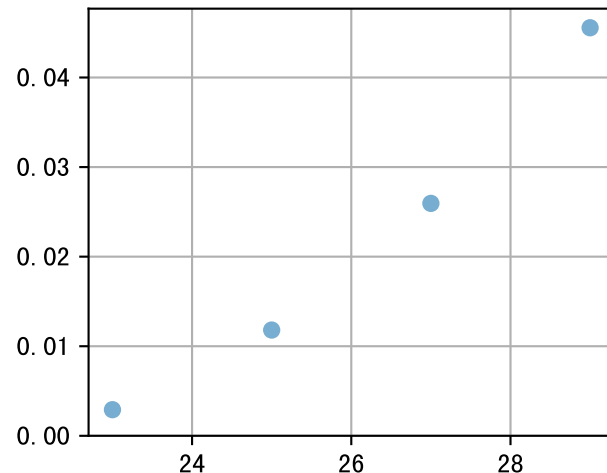
P6AE-014-17T1Fr5 (fit failed)



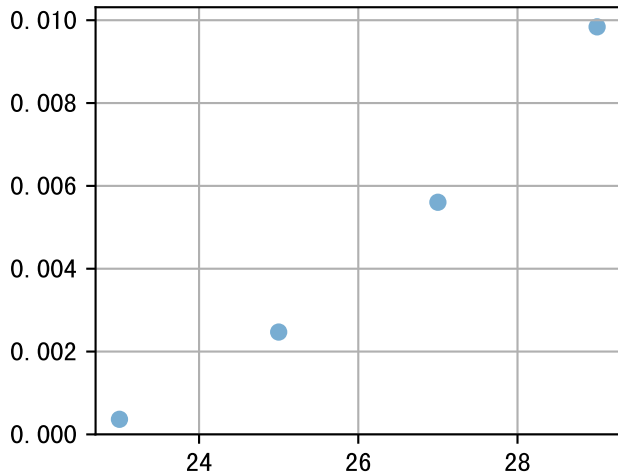
P6AE-014-17T2Fr1 (fit failed)



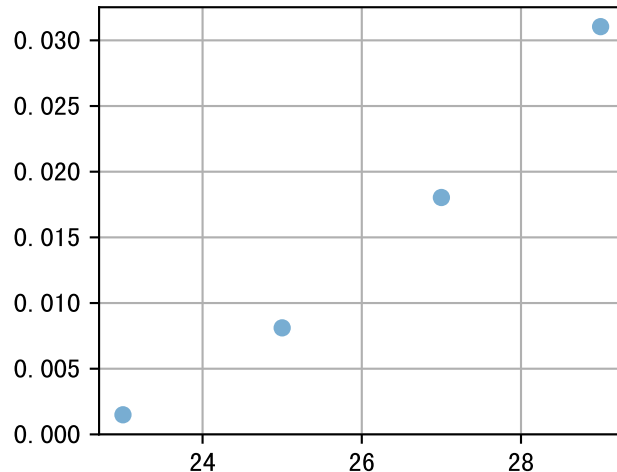
P6AE-026-25T1Fr1 (fit failed)



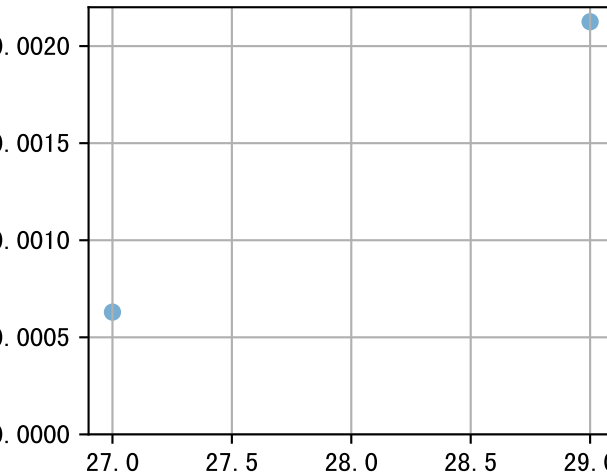
P6AE-026-25T1Fr5 (fit failed)



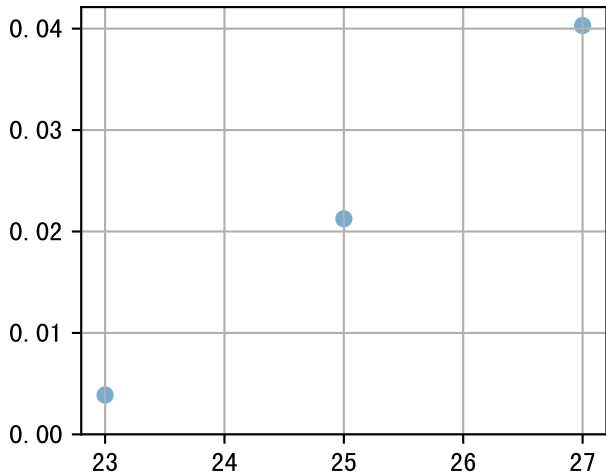
P6AE-033-4T1Fr1 (fit failed)



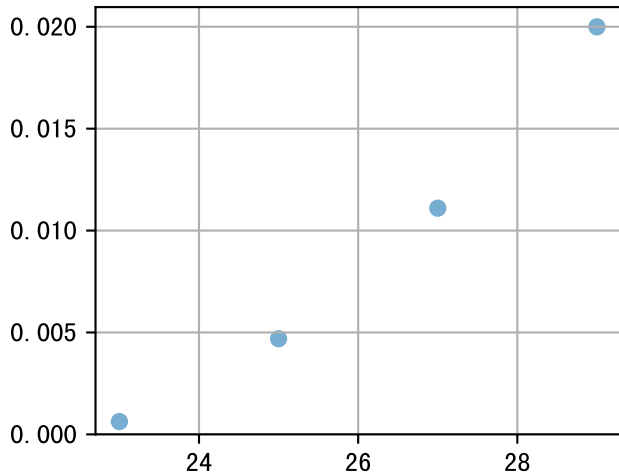
P6AE-033-4T1Fr5 (fit failed)



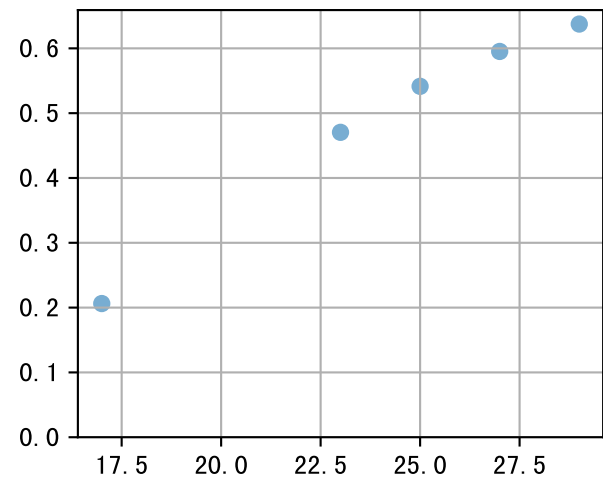
P6AE-045-12T1Fr1 (fit failed)



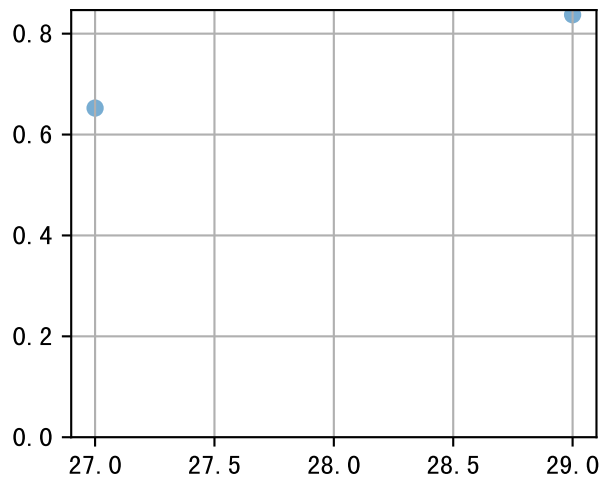
P6AE-045-12T1Fr5 (fit failed)



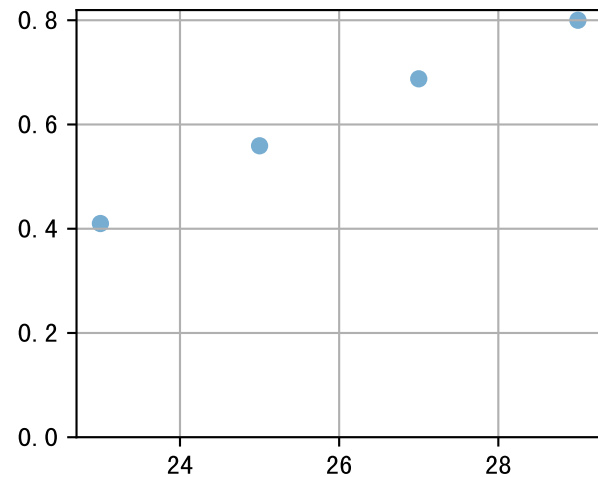
P6AE-007-10L6 (fit failed)



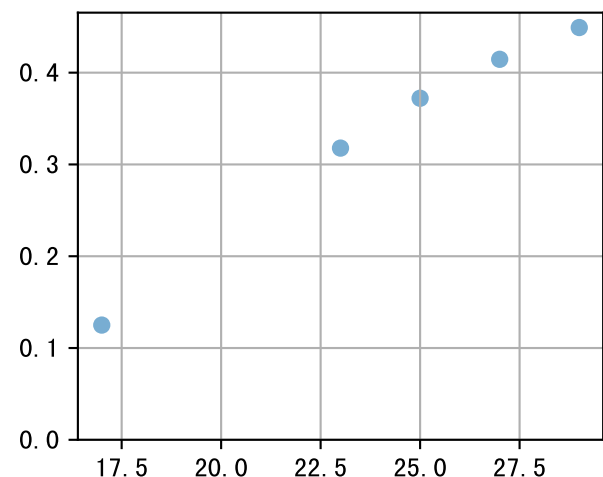
P6AE-007-10L9 (fit failed)



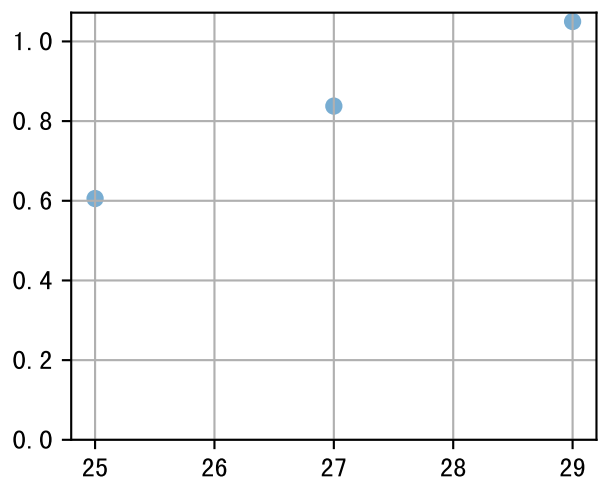
P6AE-014-17L11 (fit failed)



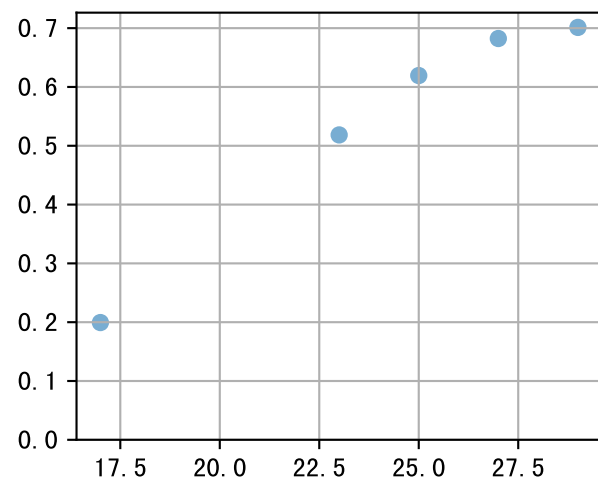
P6AE-014-17L8 (fit failed)



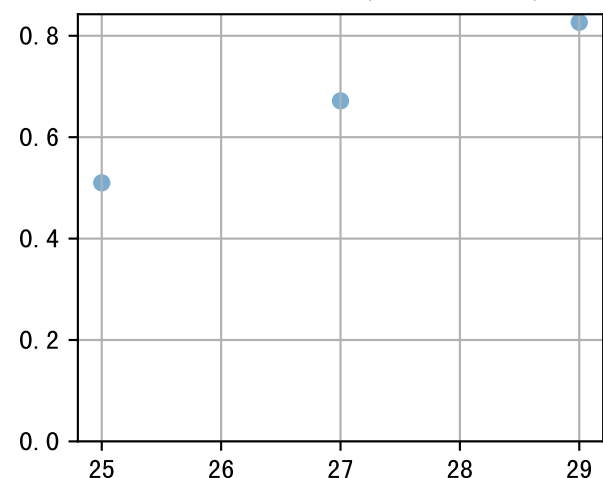
P6AE-026-25L10 (fit failed)



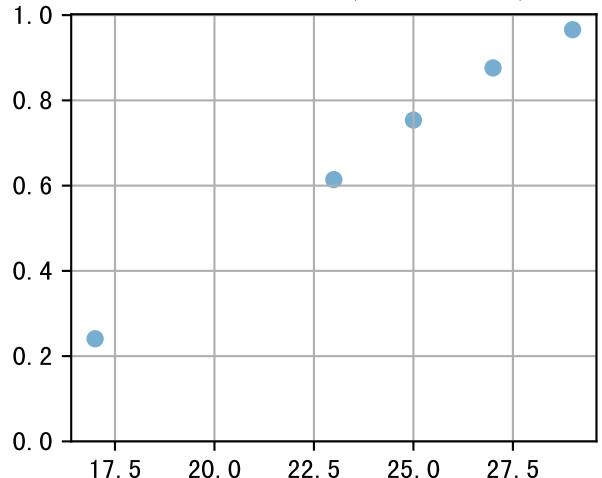
P6AE-026-25L7 (fit failed)



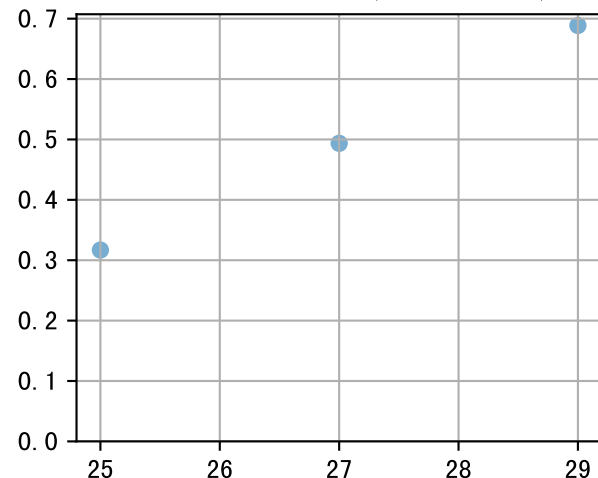
P6AE-033-4L10 (fit failed)



P6AE-033-4L8 (fit failed)

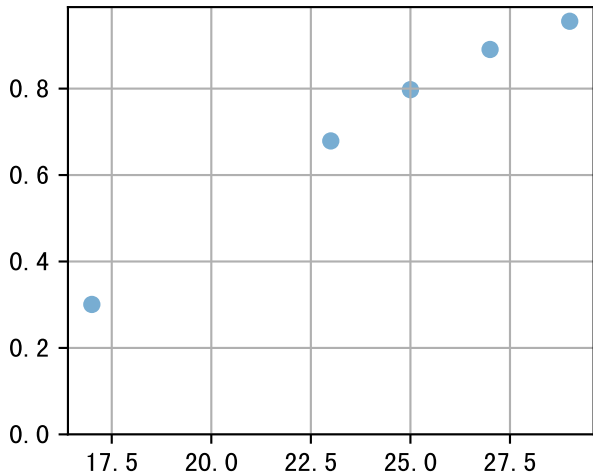


P6AE-045-12L10 (fit failed)



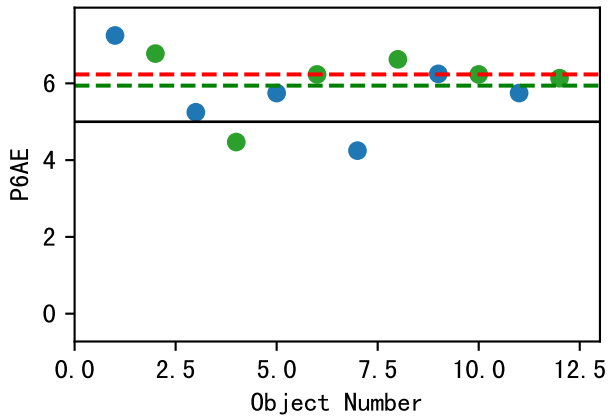
P6AE-045-12L7 (fit failed)

LfA

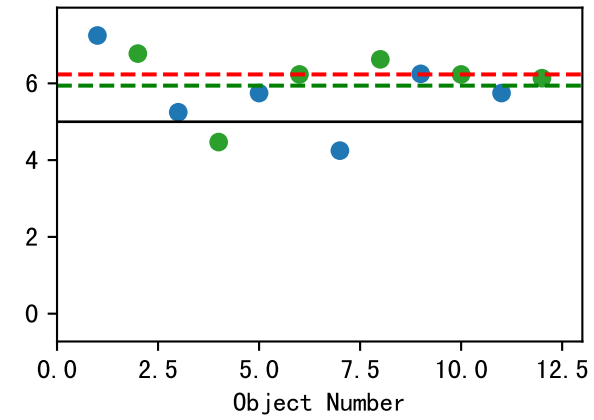




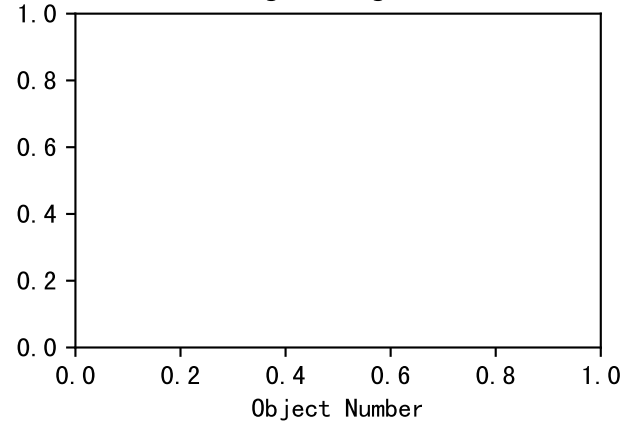
Fl\_dm (Def=5 Set=6.23)  
avg1=6.23~16% avg2=5.94~5%



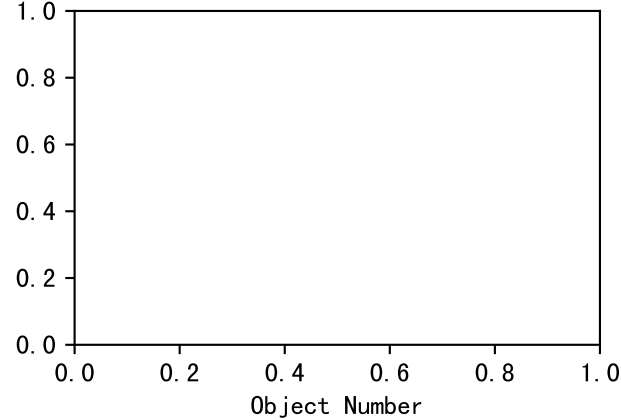
Fl\_de (Def=5 Set=6.23)  
avg1=6.23~16% avg2=5.94~5%



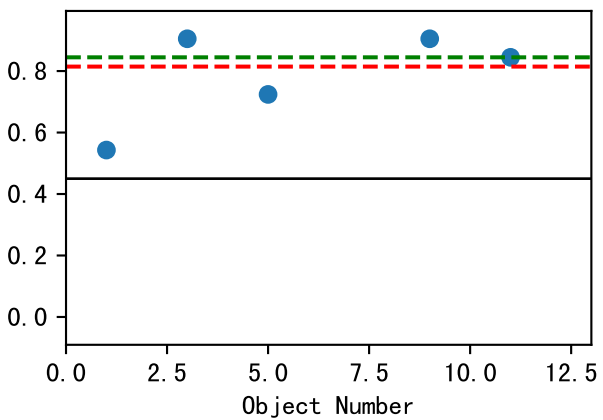
FrV\_dm (Def=18 Set=18)  
avg1=na avg2=na



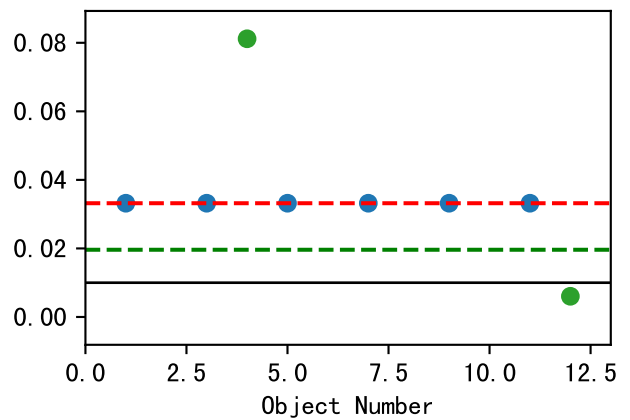
FrV\_de (Def=15 Set=15)  
avg1=na avg2=na



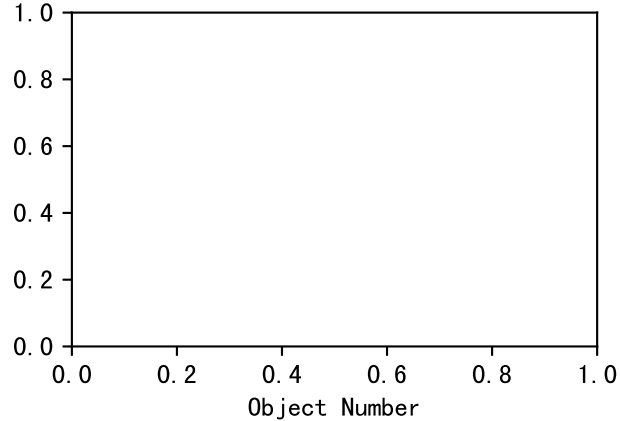
FrN\_a (Def=0.45 Set=0.81)  
avg1=0.81~21% avg2=0.84



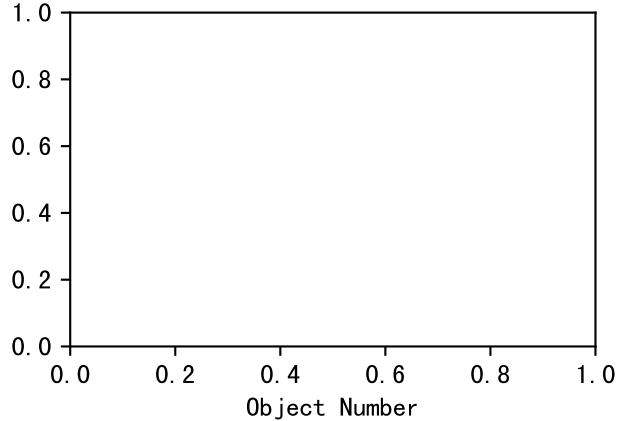
FSDdevStage (Def=0.01 Set=0.03)  
avg1=0.03~0% avg2=0.02~98%



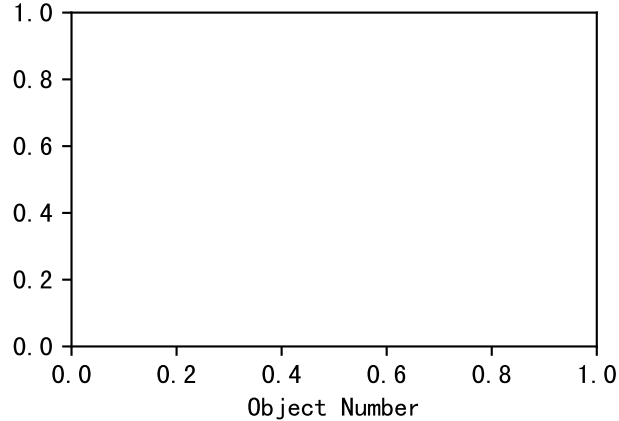
FGDdevStage (Def=0.7 Set=0.7)  
avg1=na avg2=na



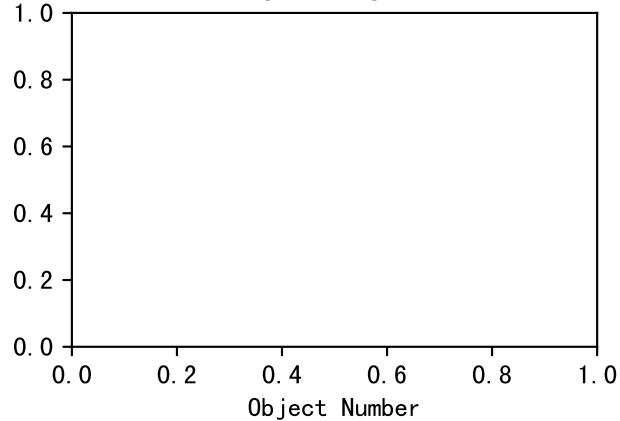
FMBDdevStage (Def=1.3 Set=1.3)  
avg1=na avg2=na



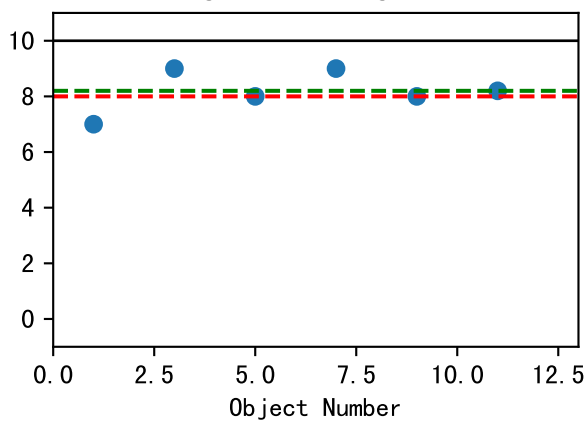
FMEDdevStage (Def=1.8 Set=1.8)  
avg1=na avg2=na



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

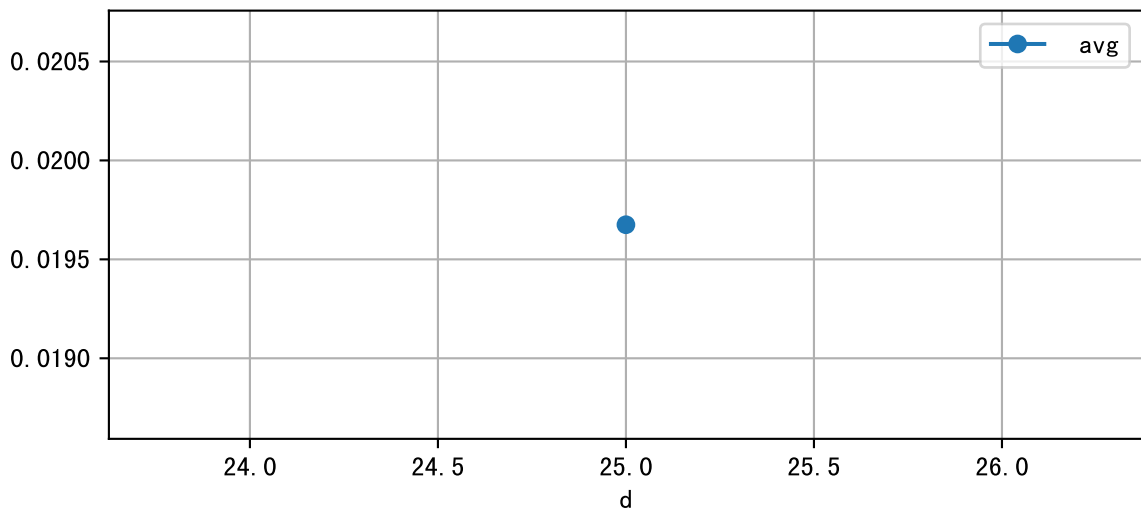


NNgen (Def=10 Set=8)  
avg1=8.0~10% avg2=8.2

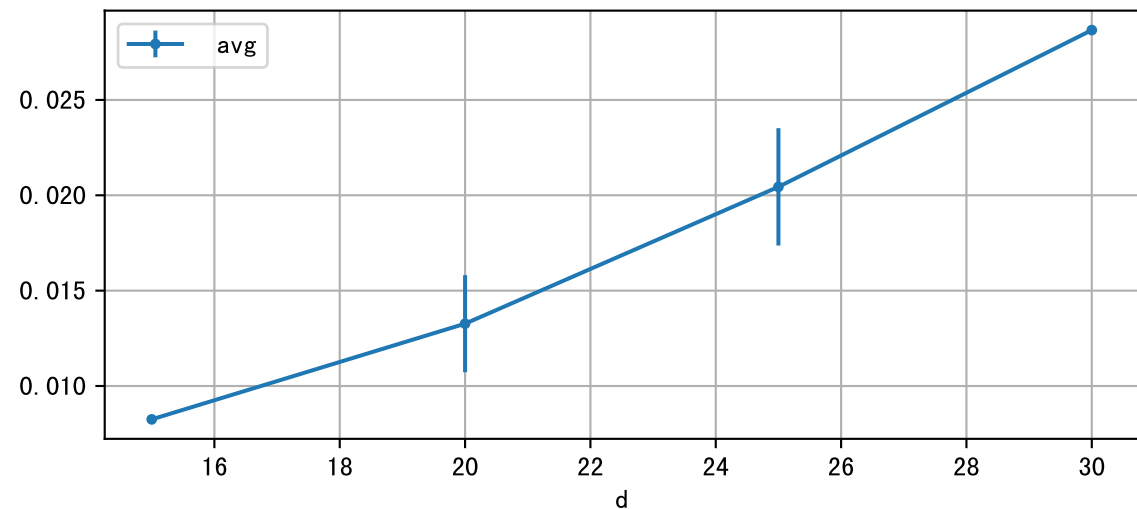


# LfA: avg vs. d at each age group

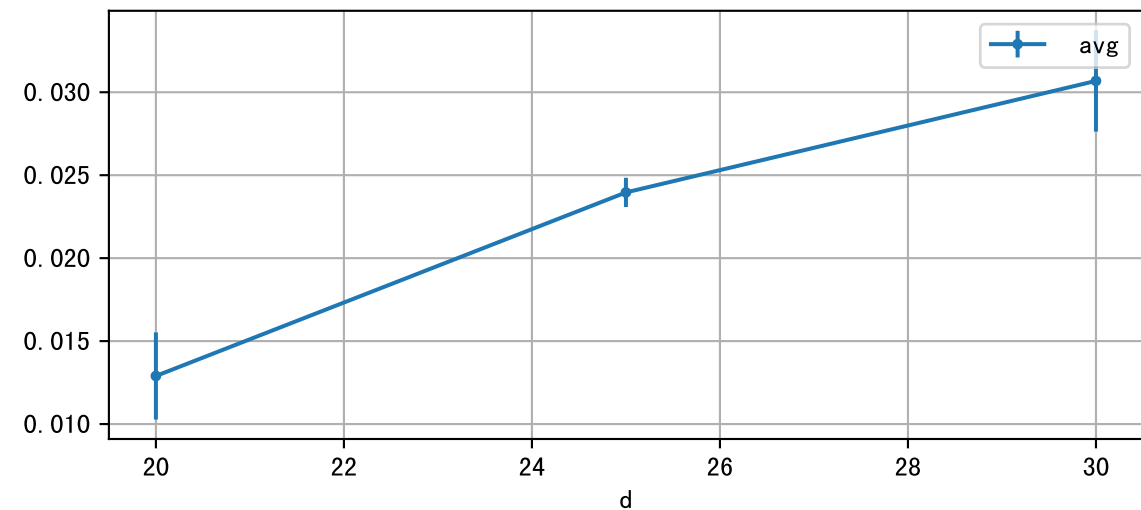
## age=15



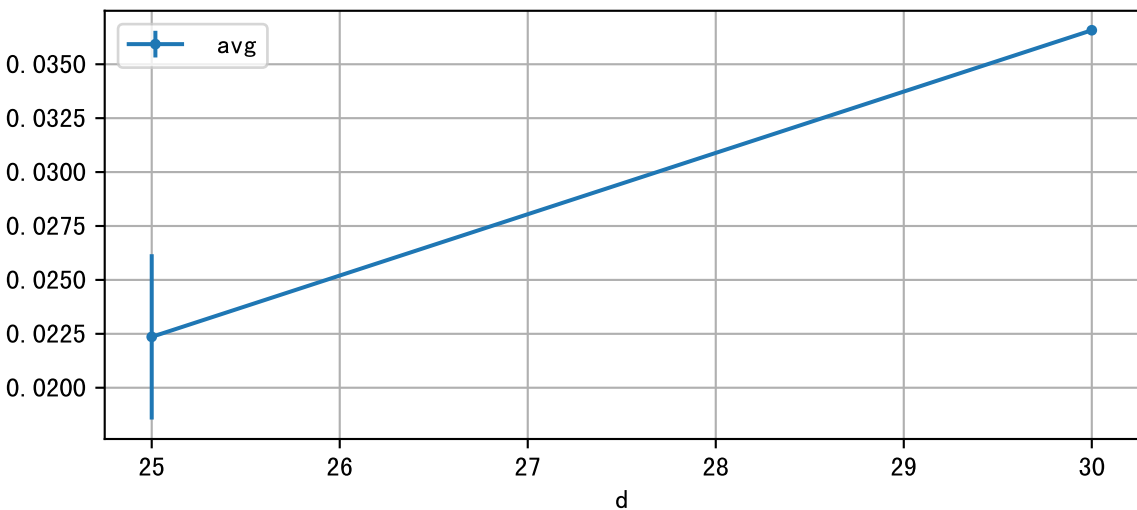
## age=20



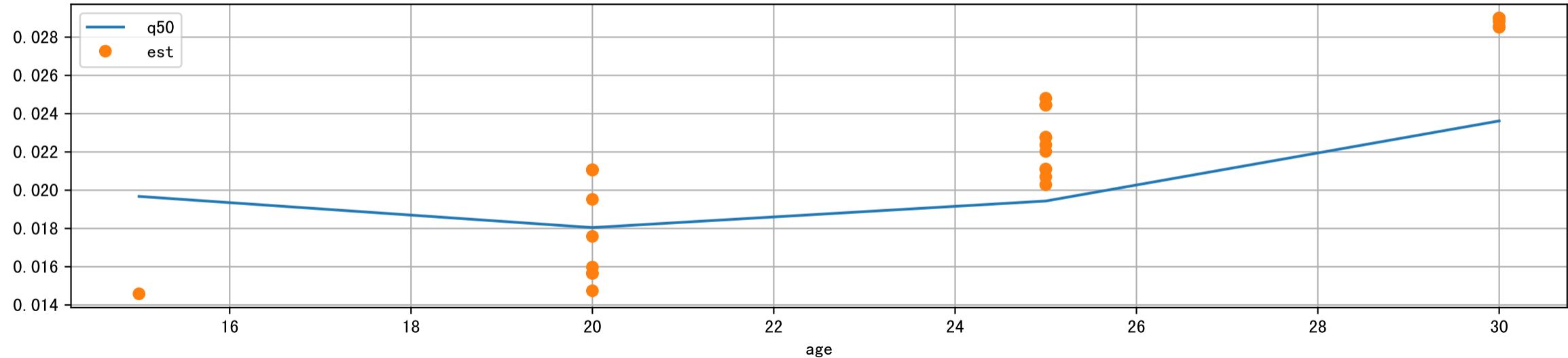
## age=25



## age=30

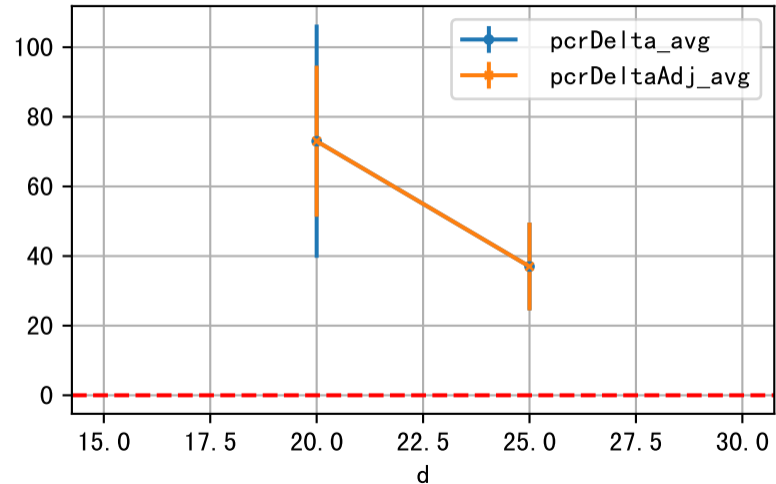


LfA: model est vs obs0v@Q50

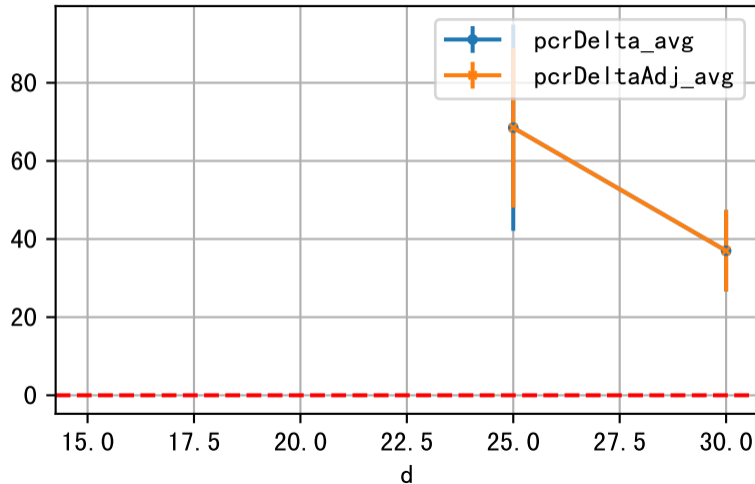


## P6AE LfA: D\_5d\_LfA

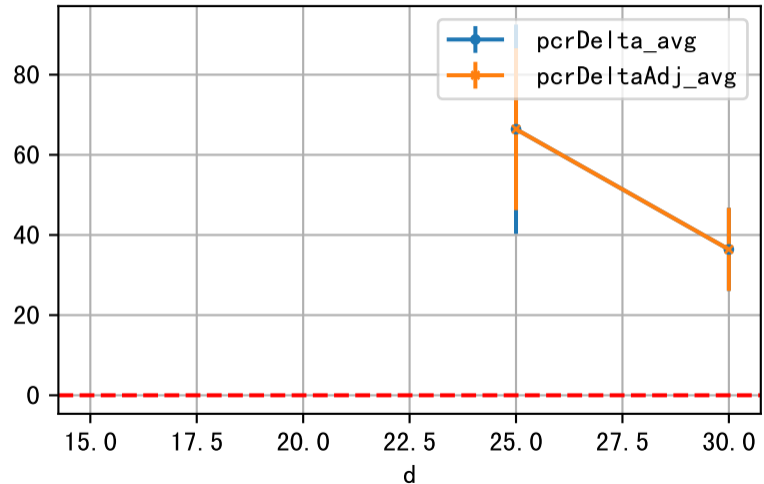
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

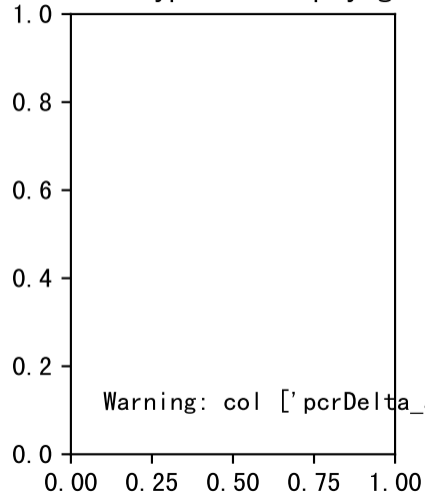


DeltaTypeAbbr=Wei AvgByD

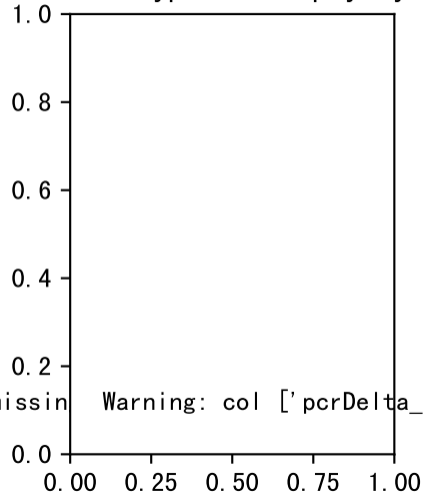


P6AE LfA: D\_15d\_LfA

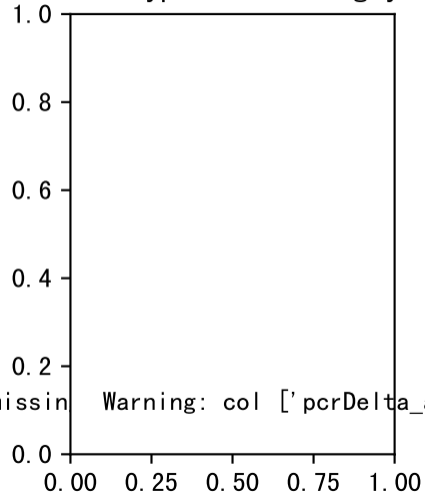
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

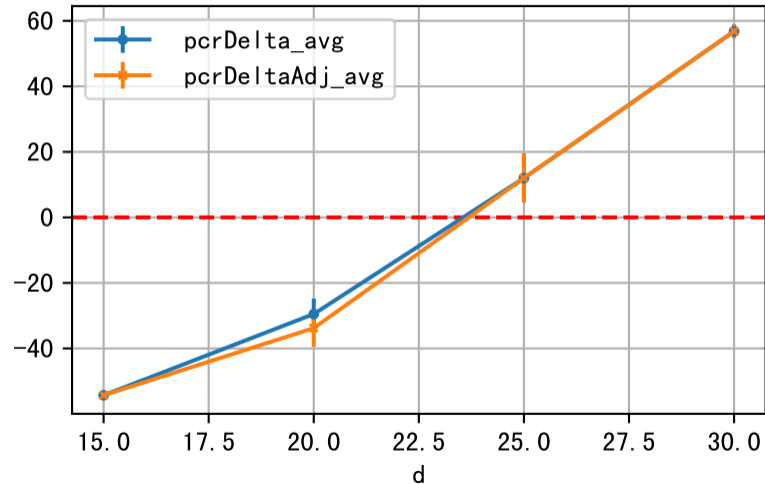


DeltaTypeAbbr=WeiAvgByD

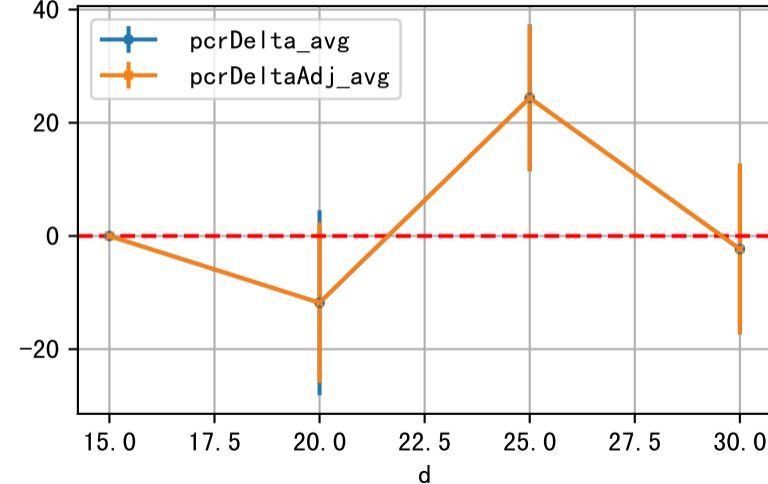


## P6AE LfA: D\_Q50\_LfA

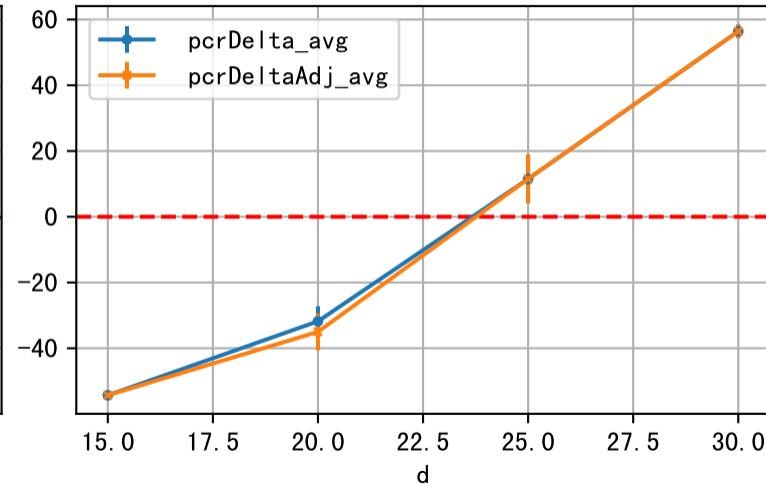
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD

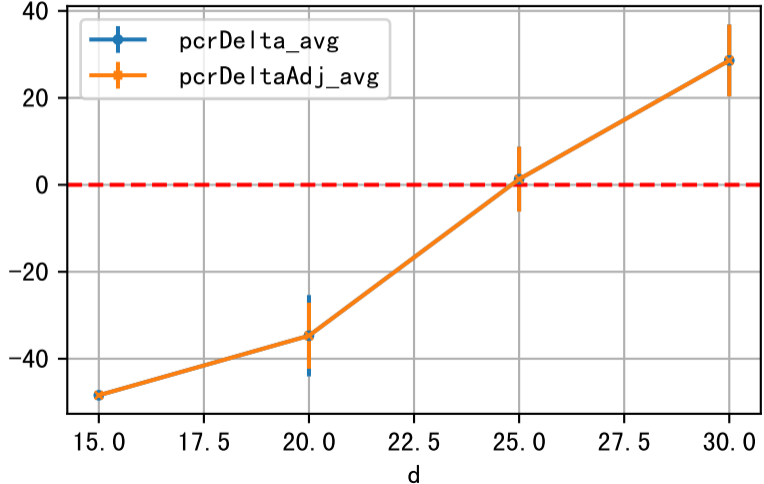
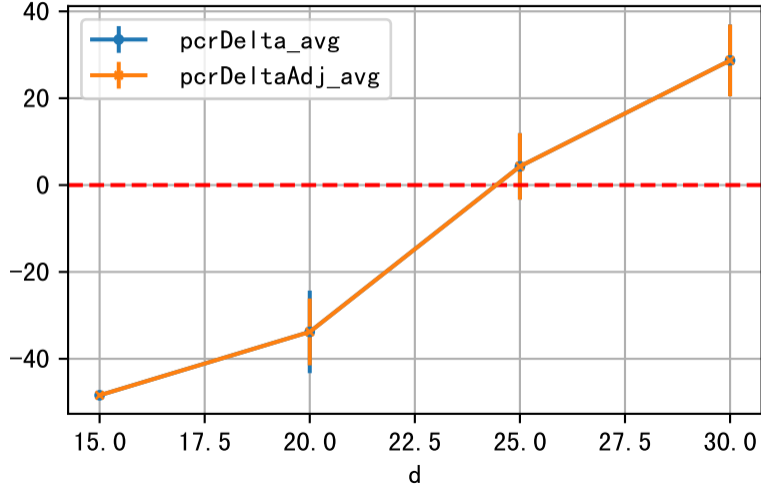
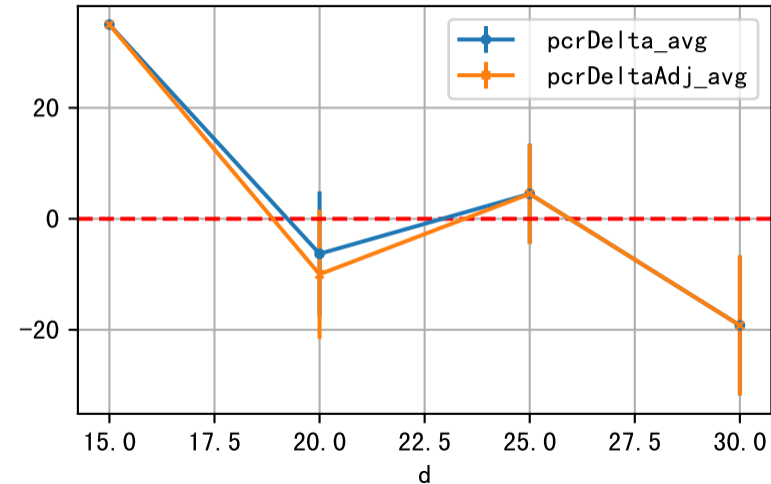


## P6AE LfA: D\_Est\_LfA

DeltaTypeAbbr=GrpByAge

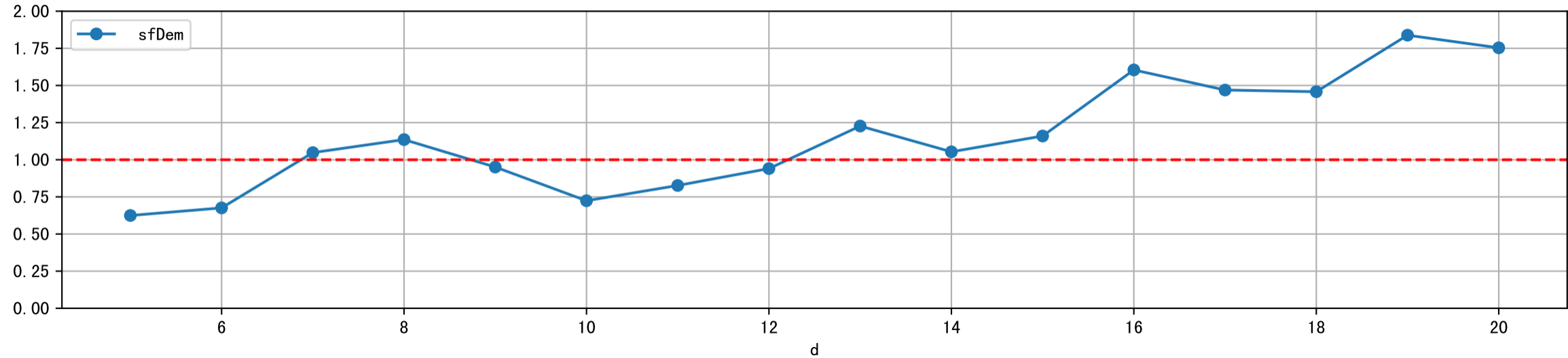
DeltaTypeAbbr=GrpByDay

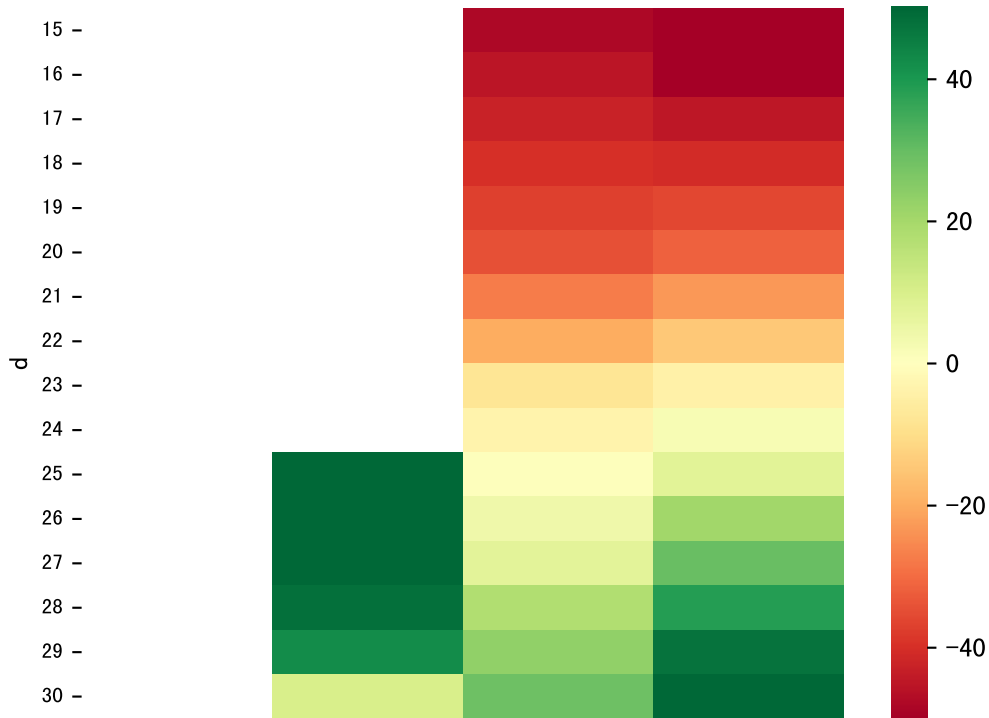
DeltaTypeAbbr=Wei AvgByD





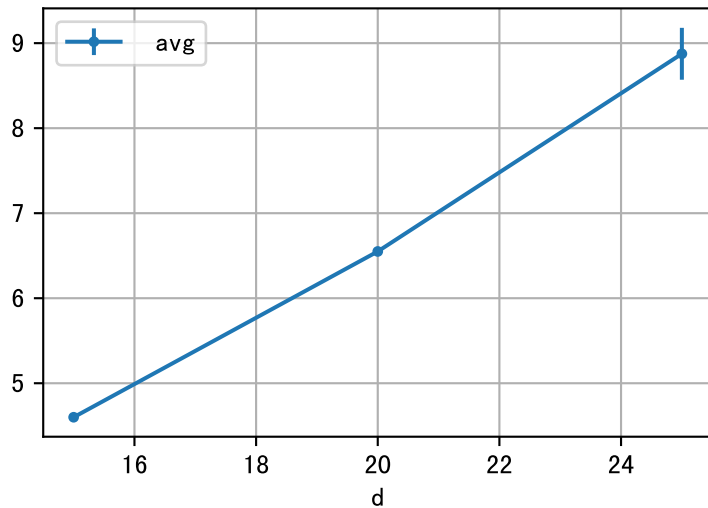
LfA: sfDem



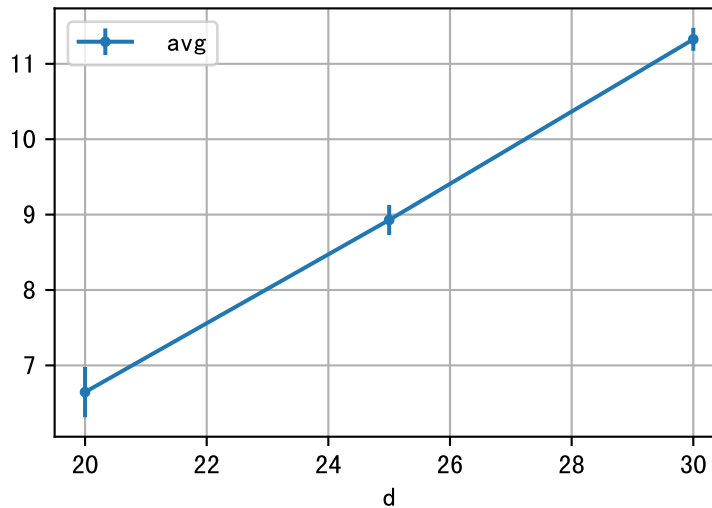


# NdD: avg vs. d at each age group

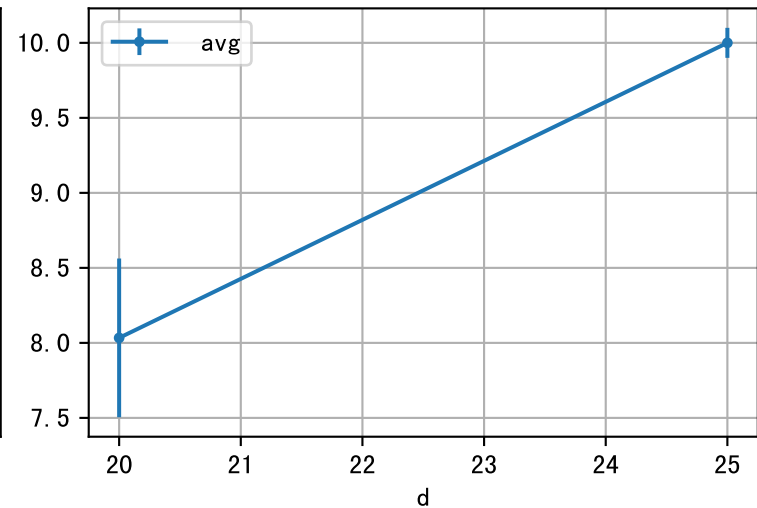
## age=15



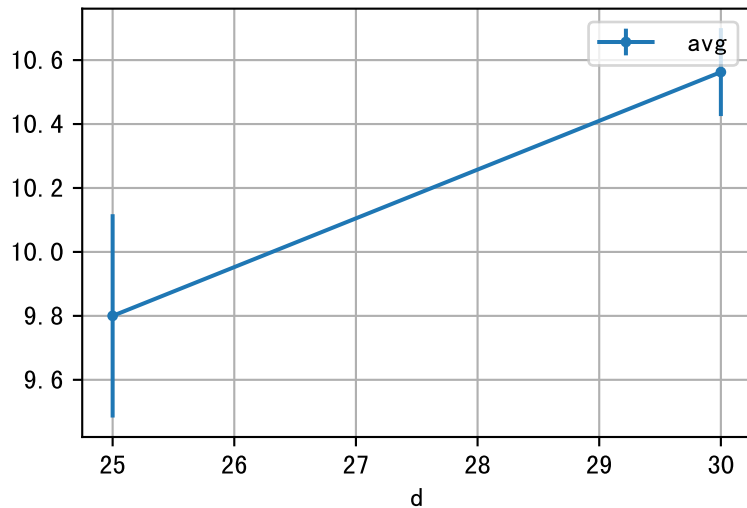
## age=20



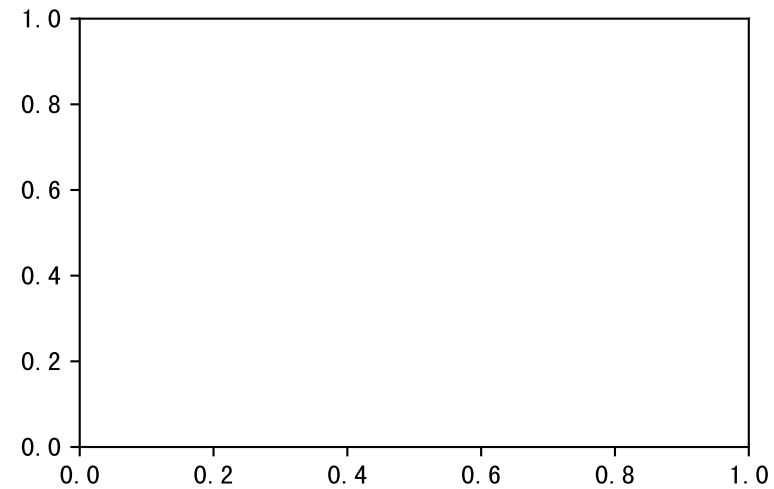
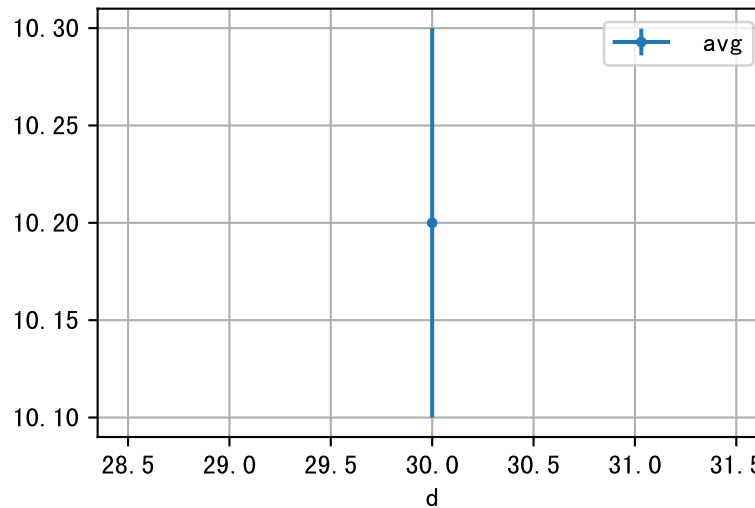
## age=25



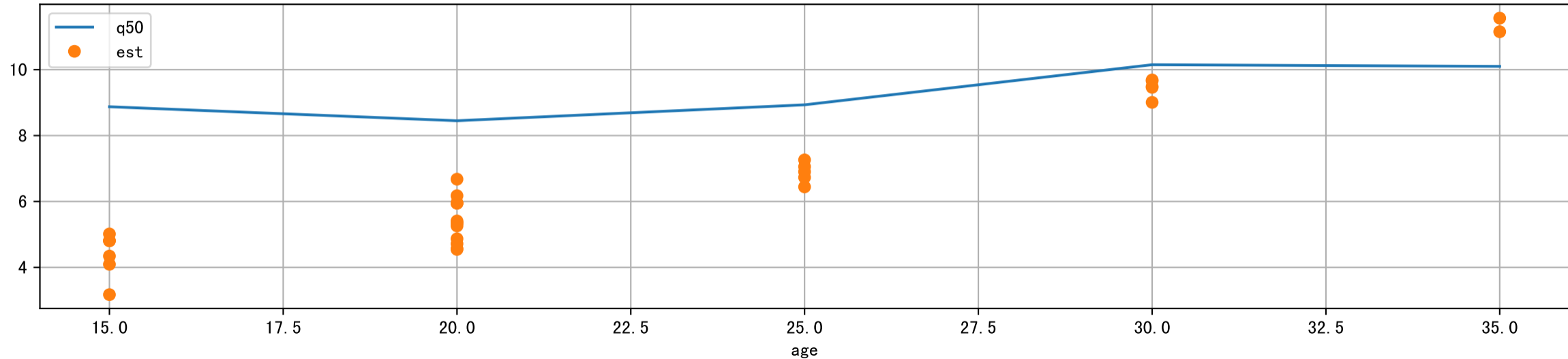
## age=30



## age=35

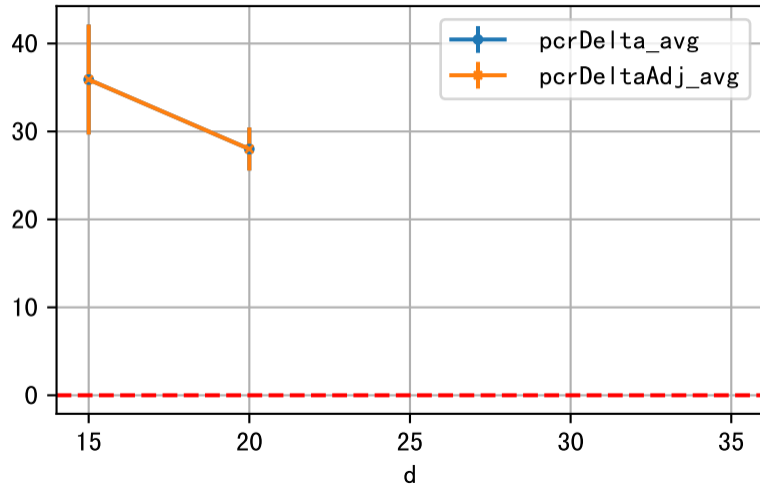


NdD: model est vs obs0v@Q50

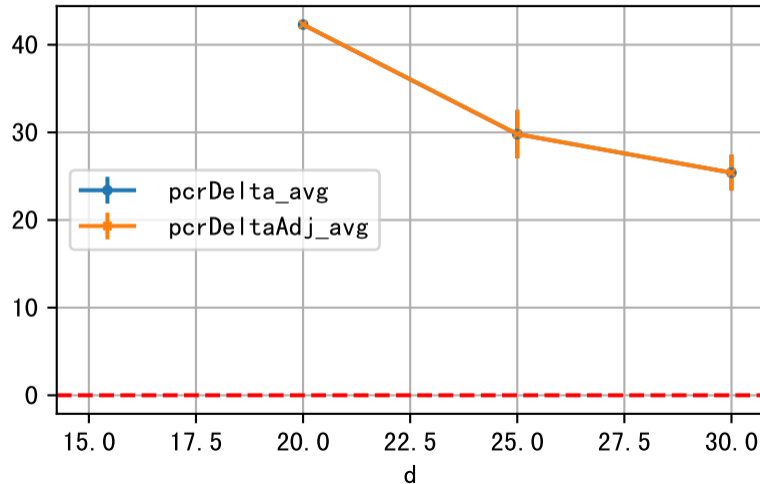


## P6AE NdD: D\_5d\_NdD

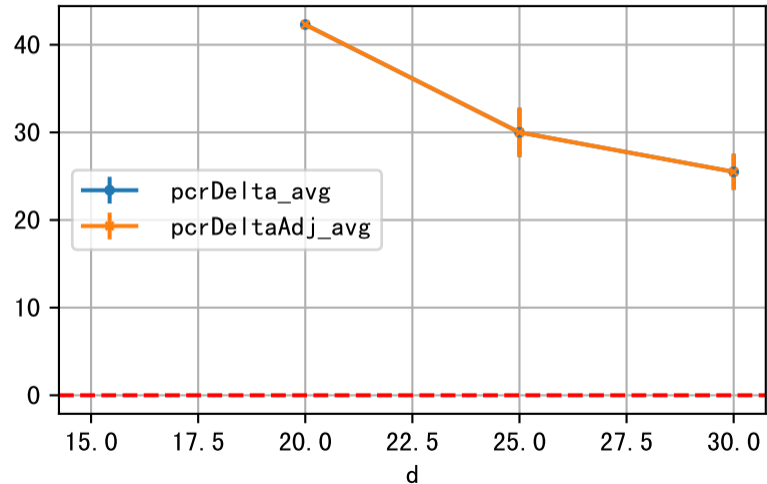
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

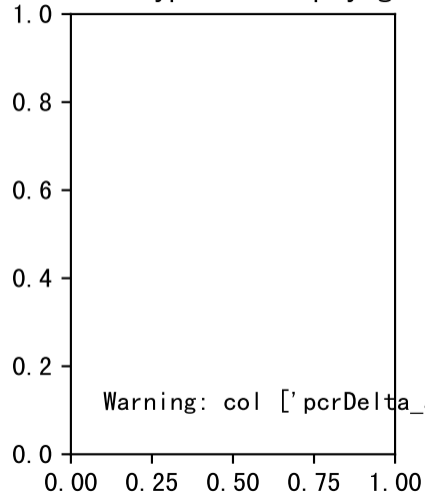


DeltaTypeAbbr=Wei AvgByD

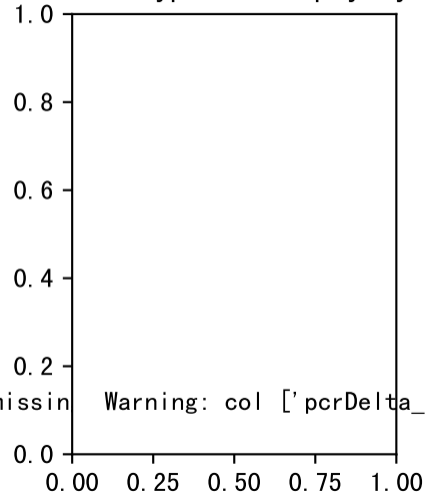


P6AE NdD: D\_15d\_NdD

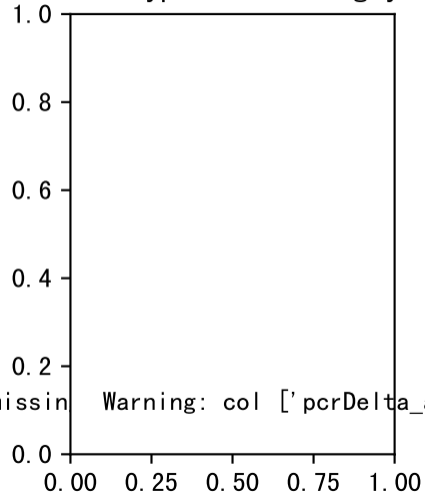
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

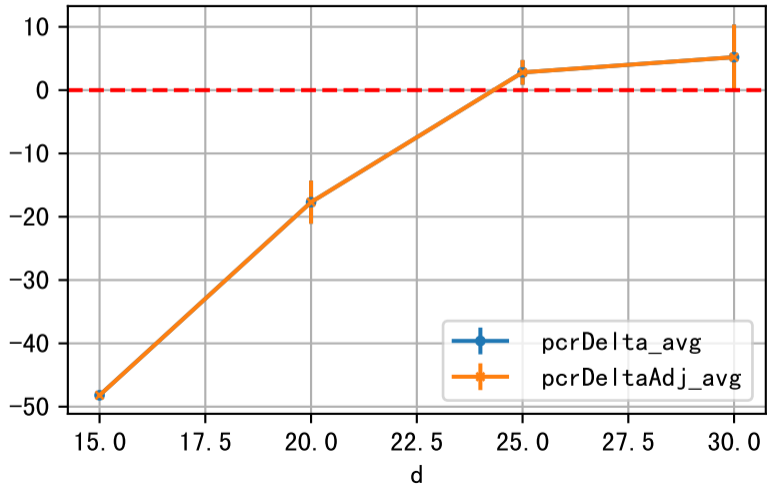
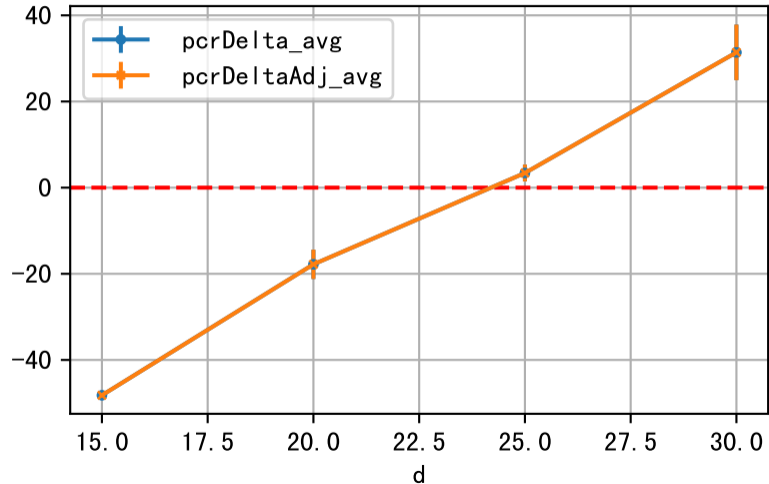
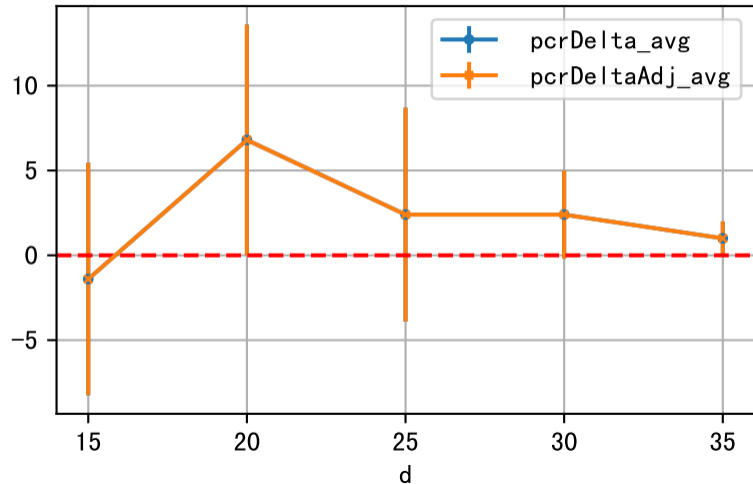


P6AE NdD: D\_Q50\_NdD

DeltaTypeAbbr=GrpByAge

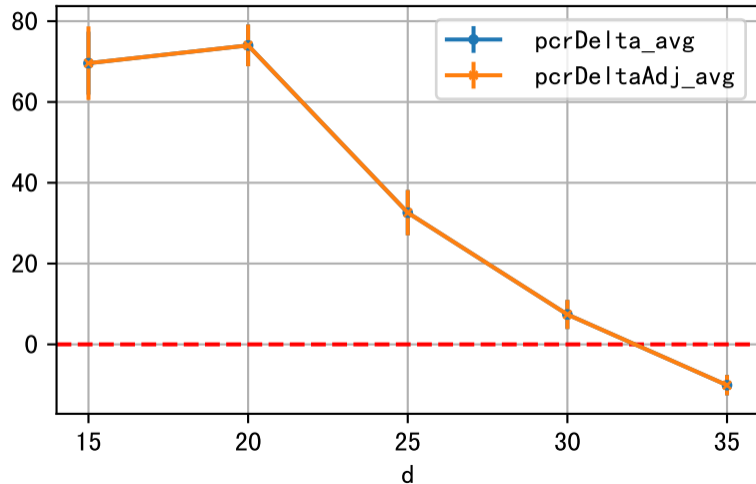
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

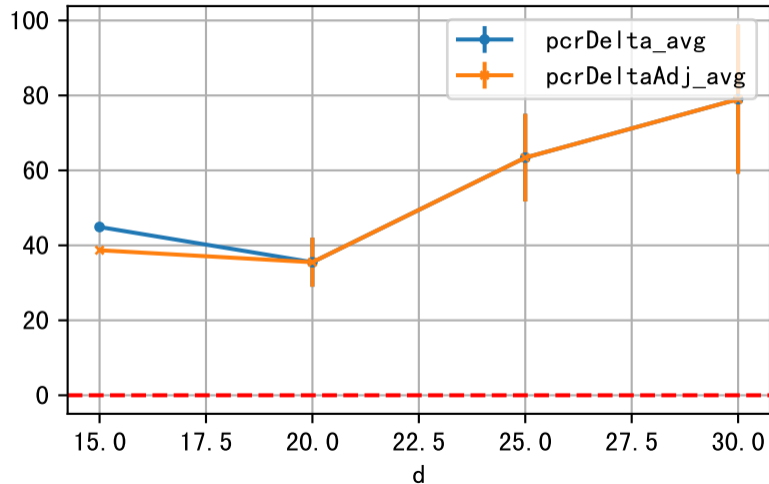


## P6AE NdD: D\_Est\_NdD

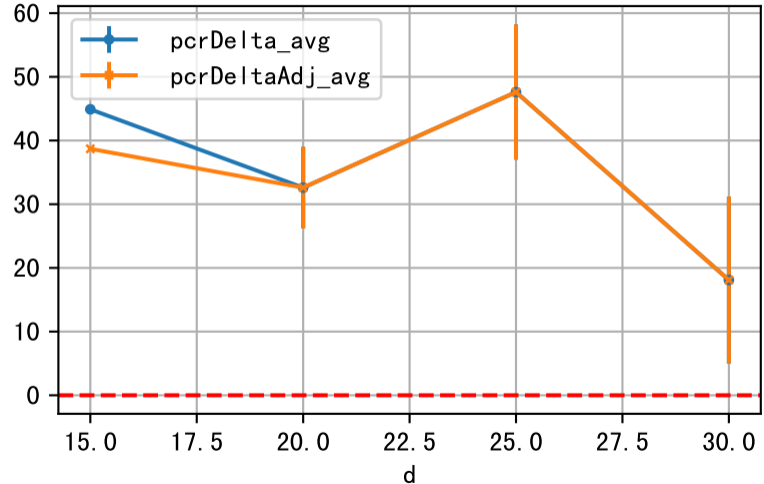
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

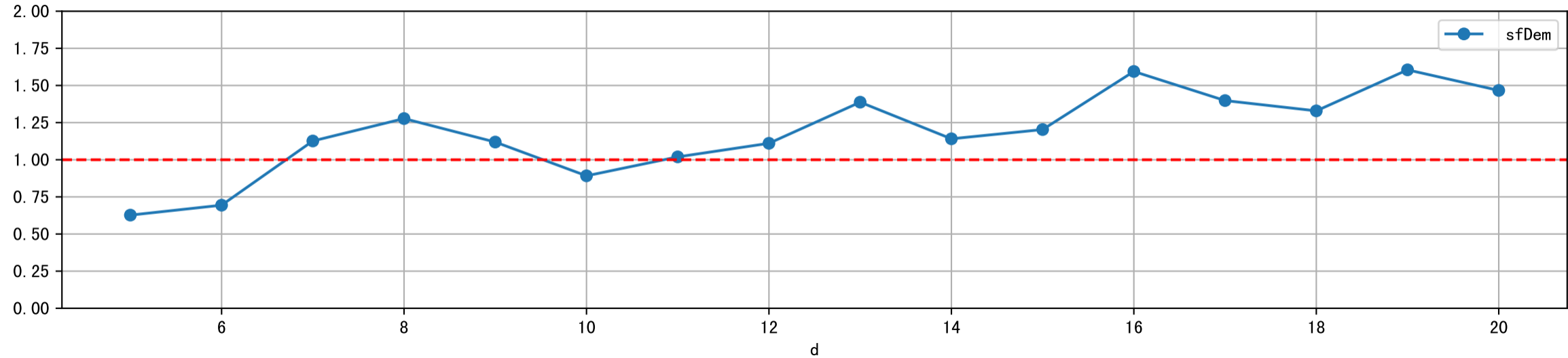


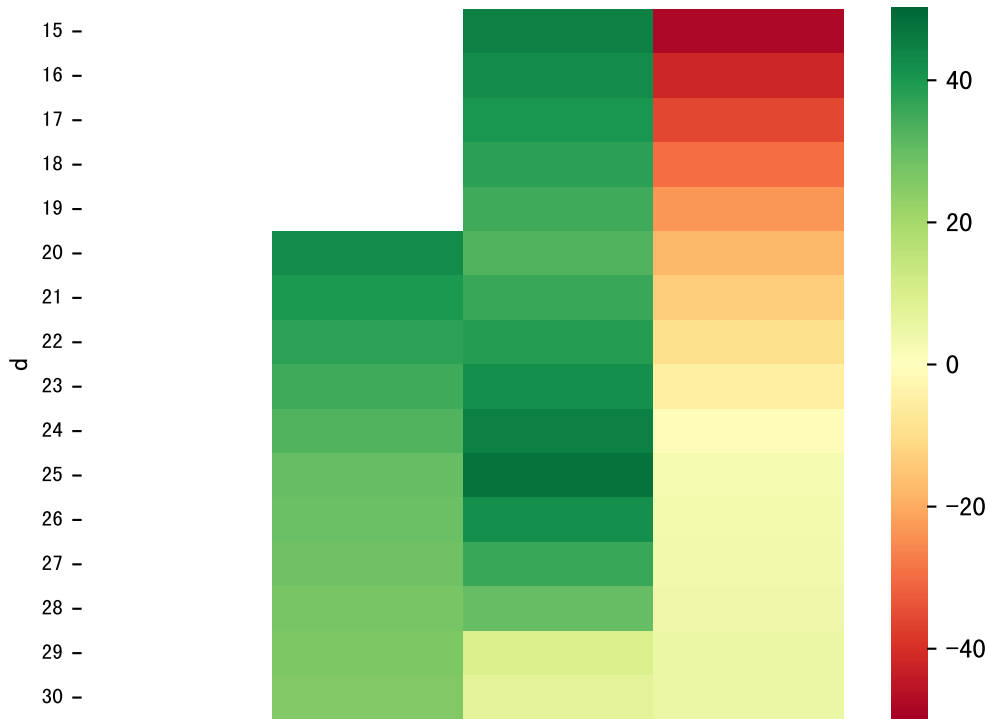
DeltaTypeAbbr=Wei AvgByD



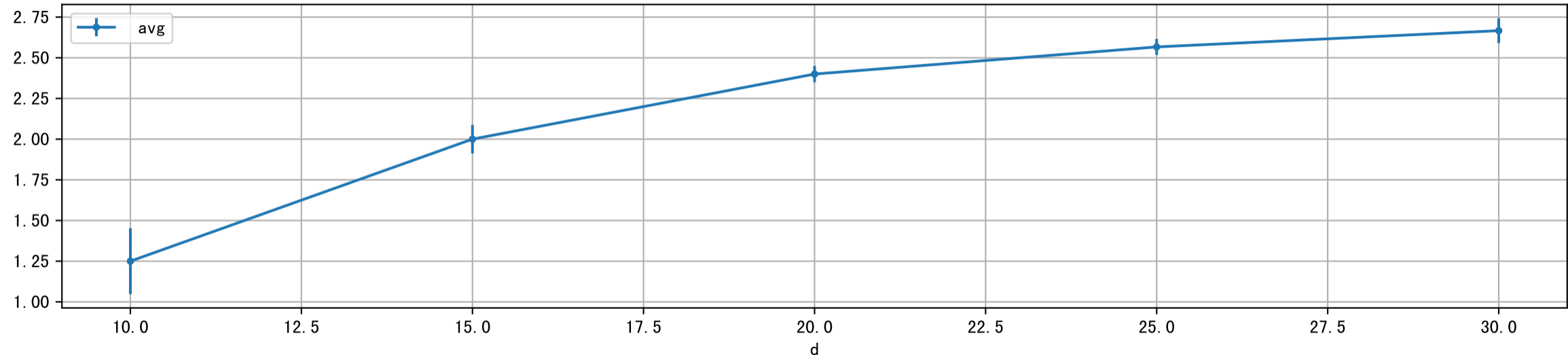


NdD: sfDem

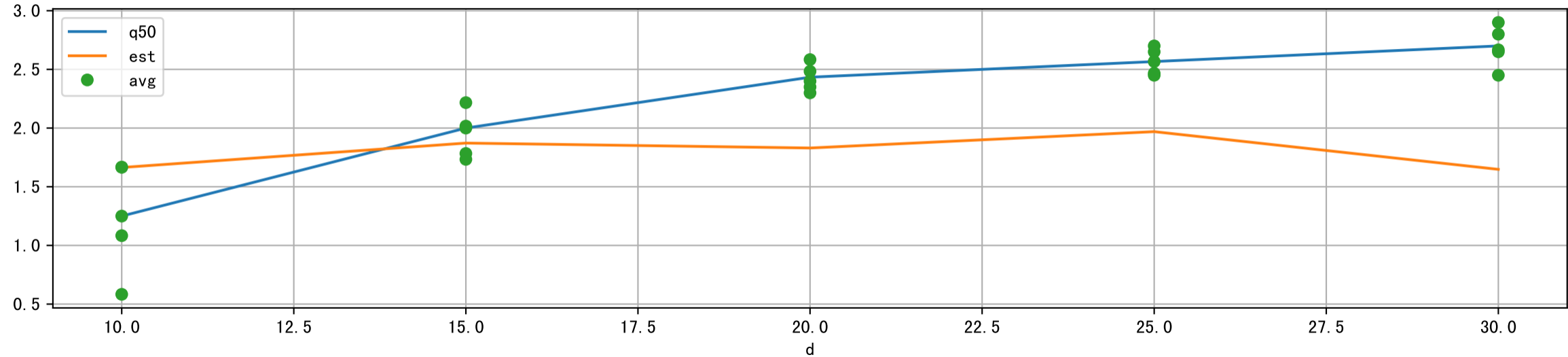




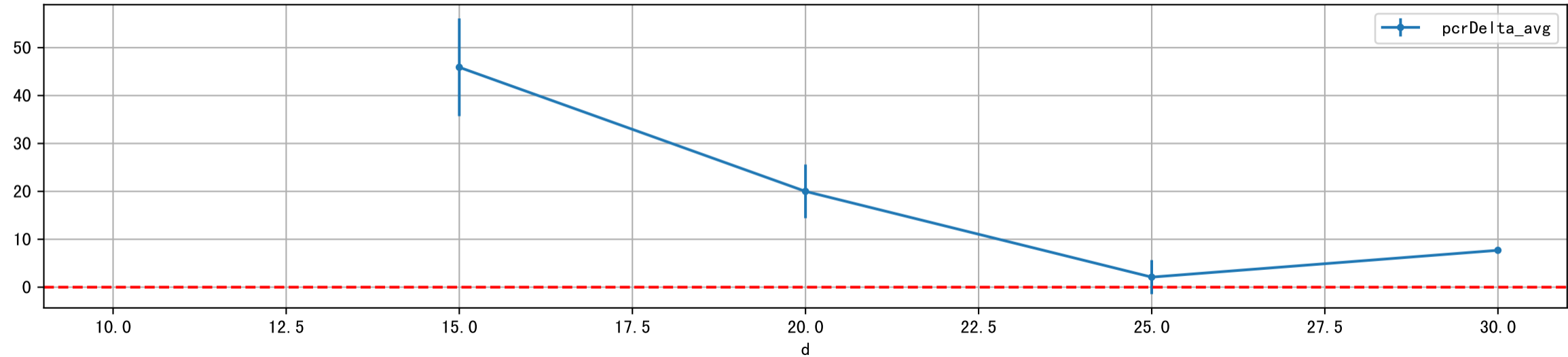
dStH: avg vs. d



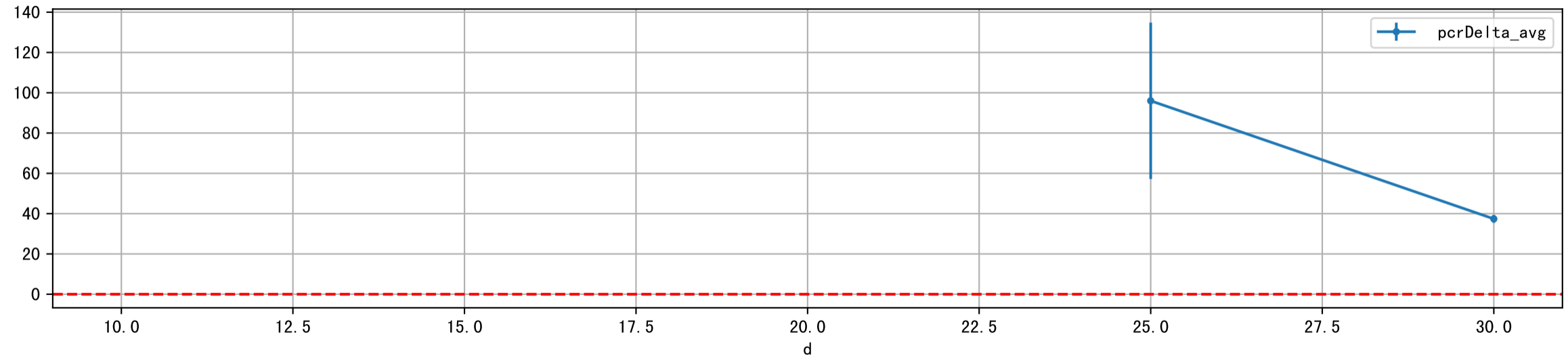
dStH: obsAvg vs obs0v@Q50



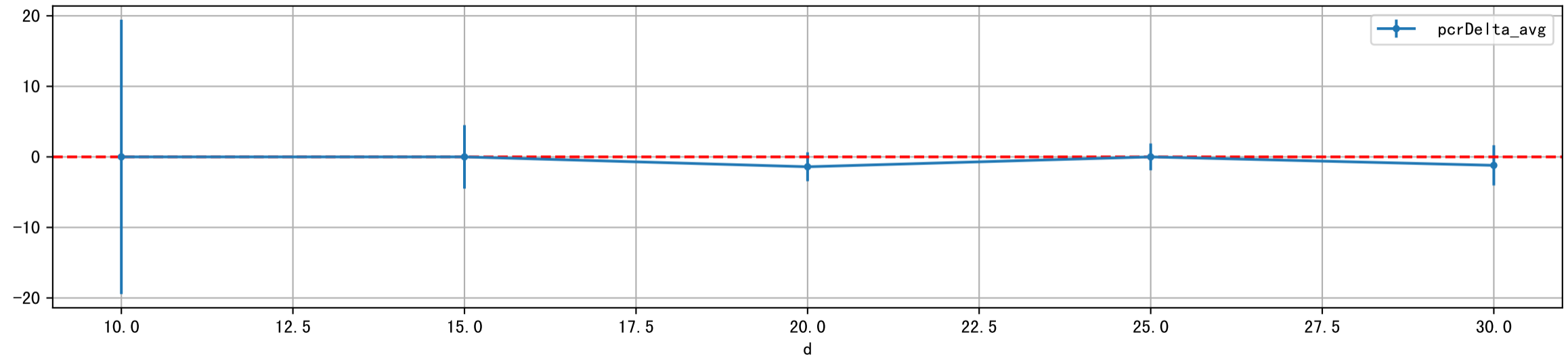
dStH: D\_5d\_StH



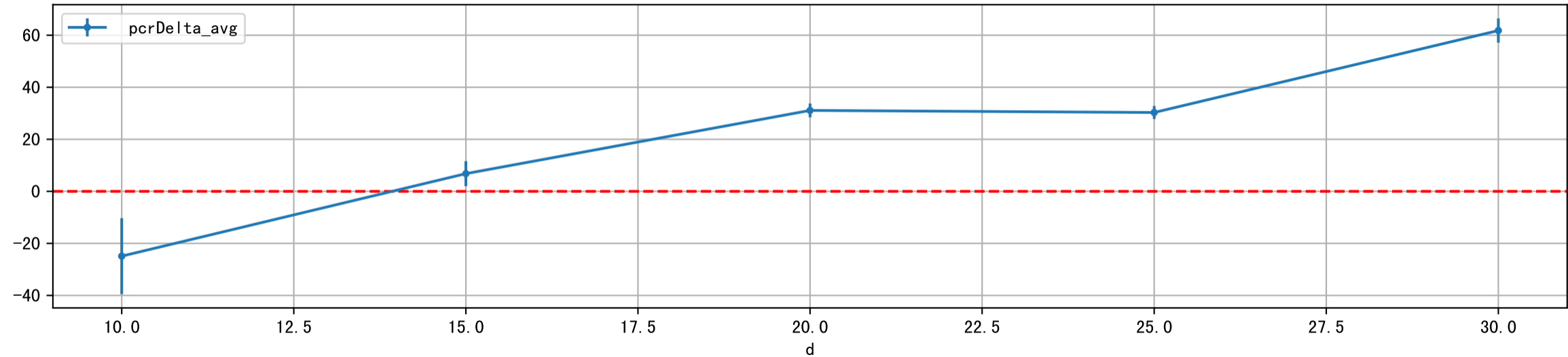
dStH: D\_15d\_StH



dStH: D\_Q50\_StH

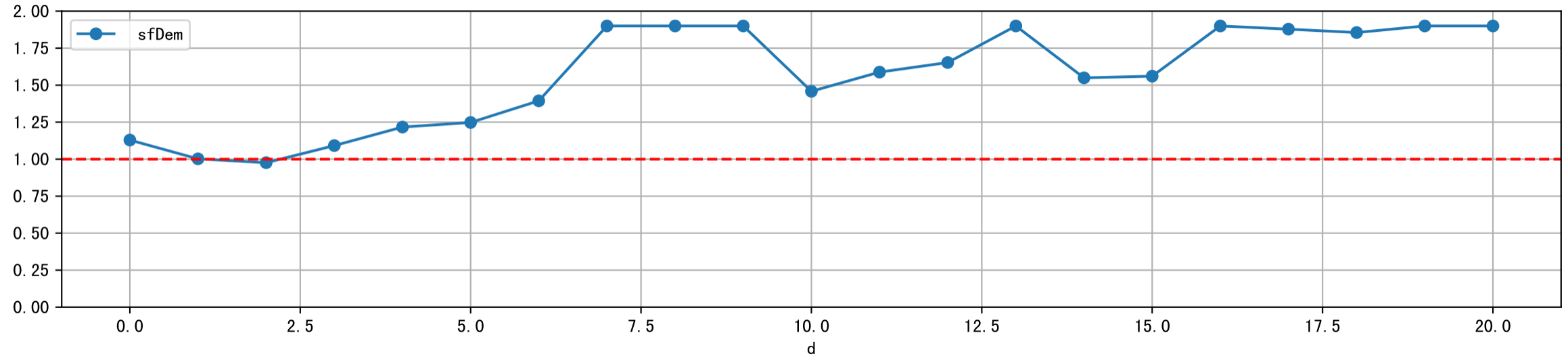


dStH: D\_Est\_StH



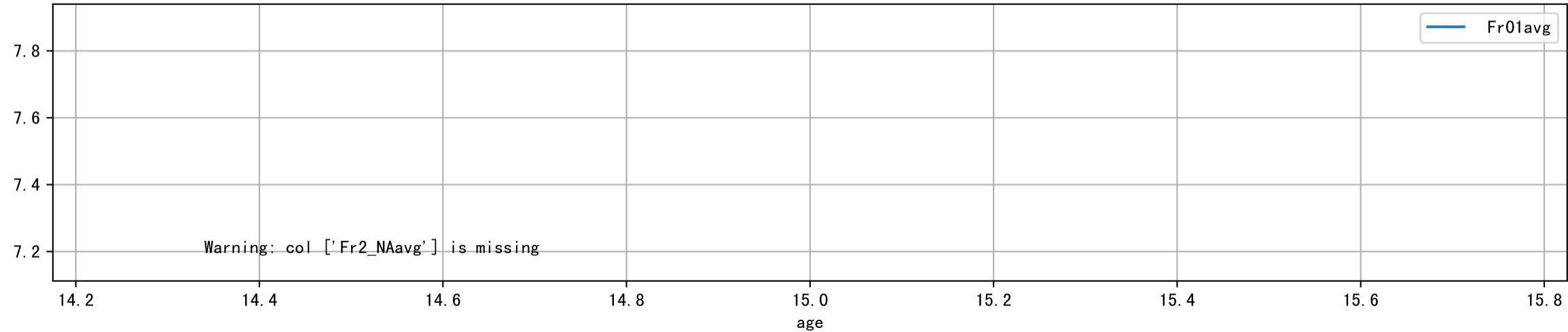


dStH: sfDem

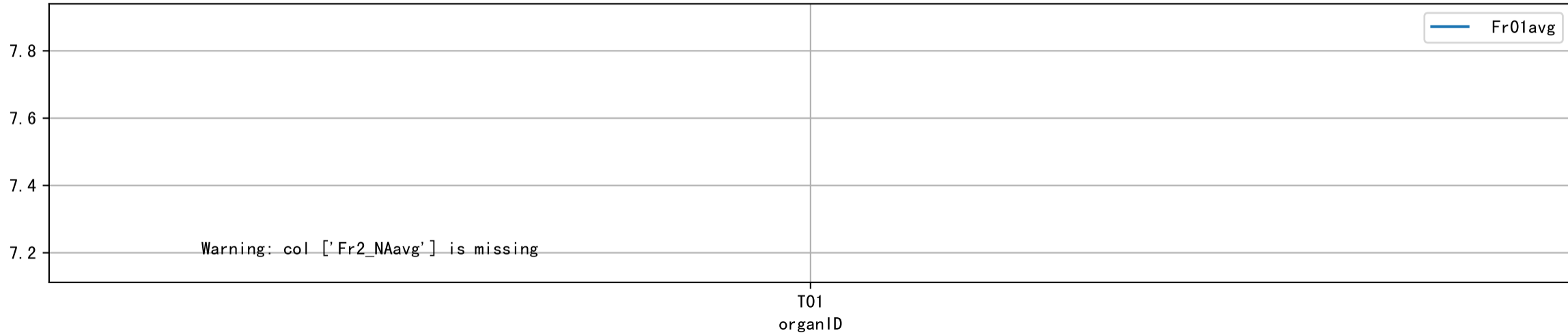




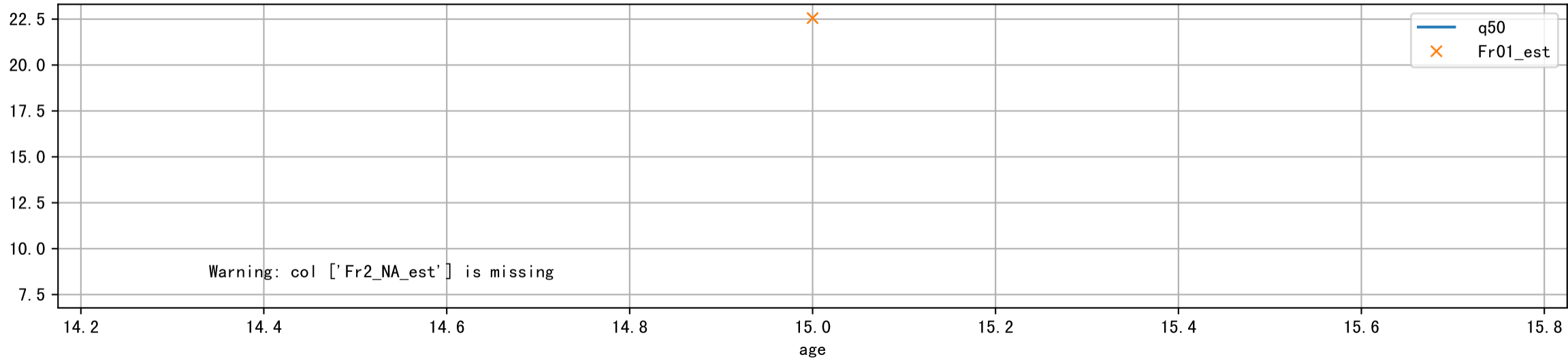
FrV: Fr01 vs Fr2\_NA at each truss  
organID=T01



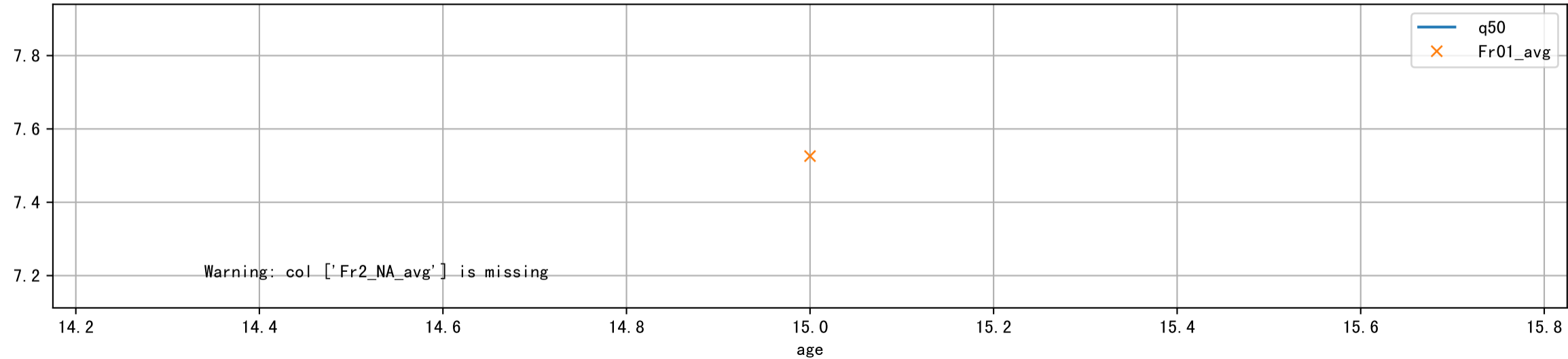
FrV trend at each age  
age=15



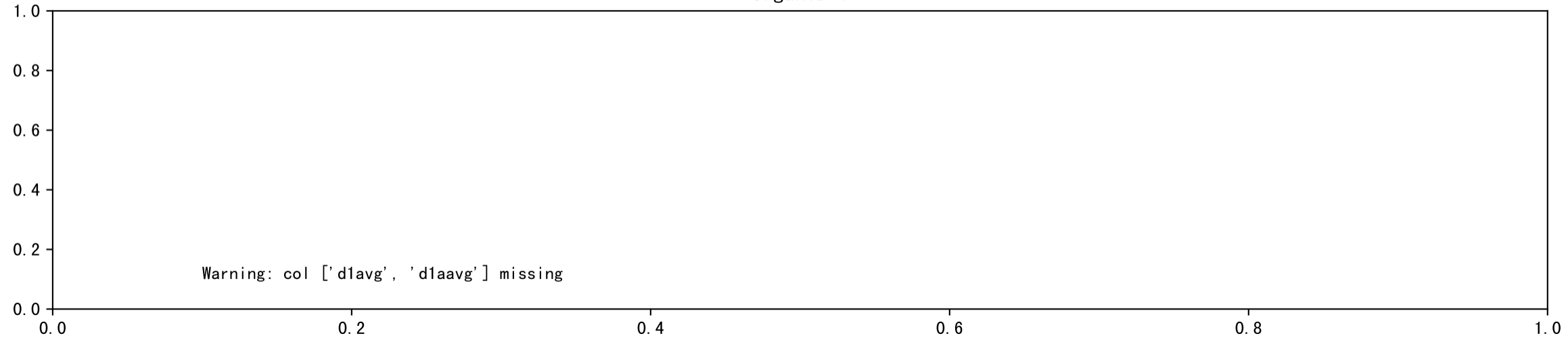
FrV: model Est vs obsFrV at Q90



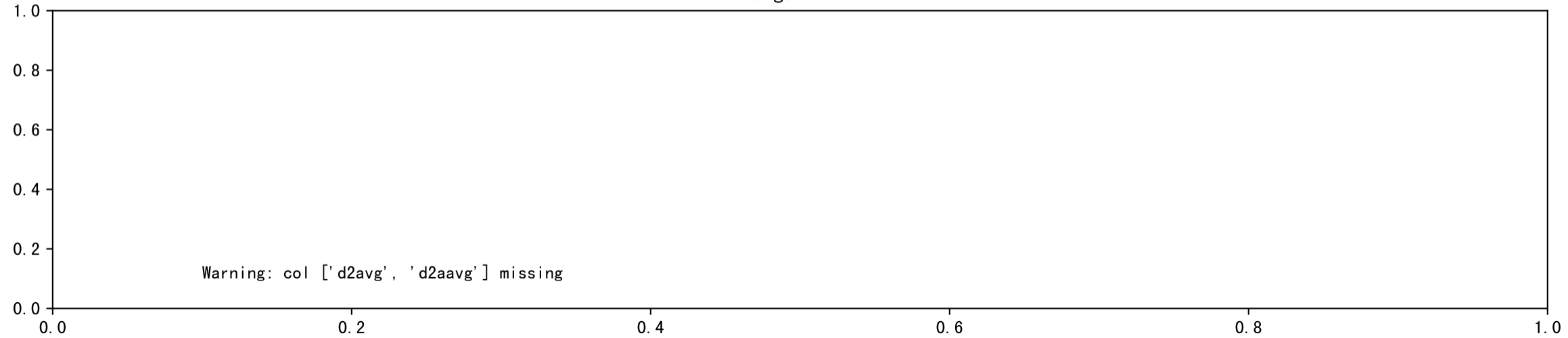
FrV: obsFrV vs obsFrV@Q90



FrV: D\_Fr1\_FrV  
organID=1

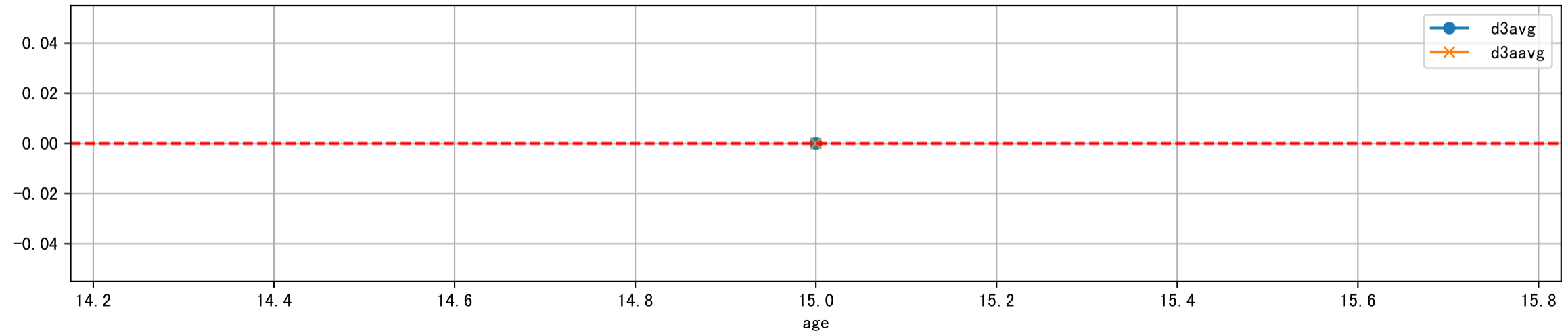


FrV: D\_Ts\_FrV  
organID=1

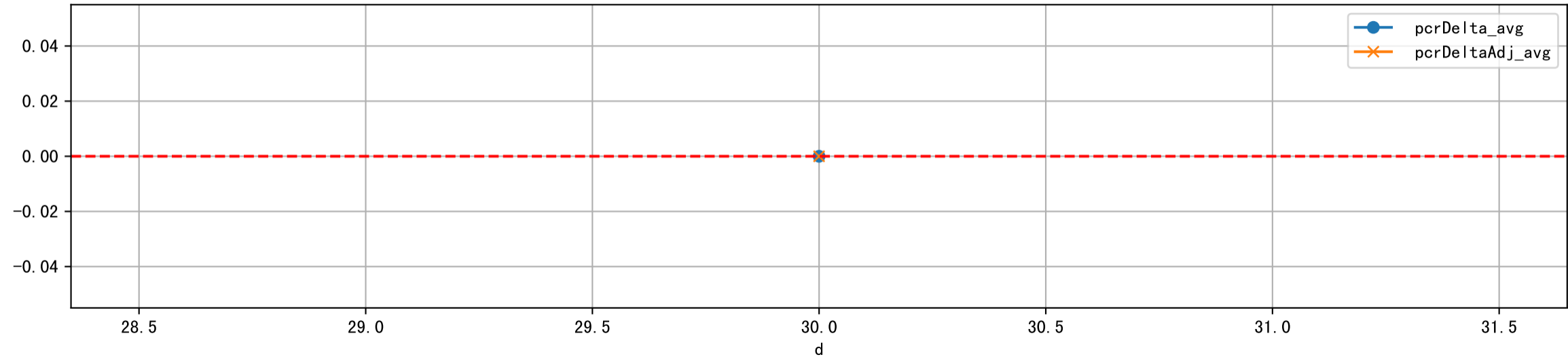




FrV: D\_Q50\_FrV  
organID=1



P6AE FrV: D\_Q50\_FrV



FrV: D\_Est\_FrV  
organID=1

