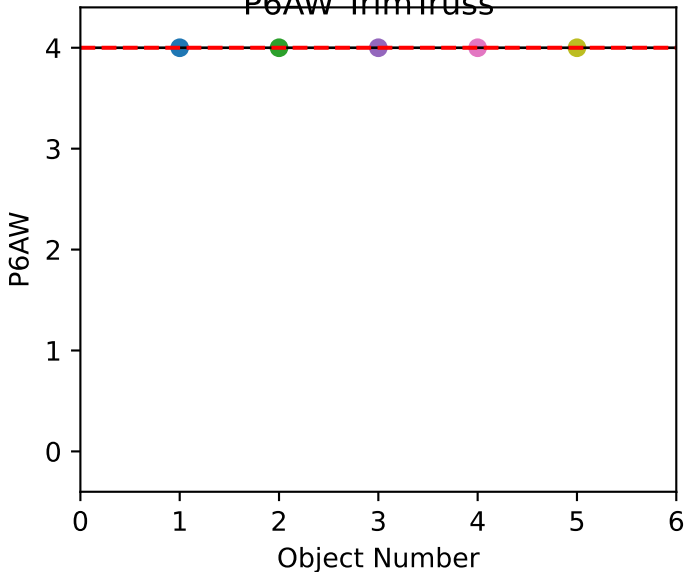


*Phenotype Data Analysis Plots*  
*PhenoData day range = 5 - 38*  
*Analysis cutoff day = 38*  
*NC11 P6*  
*2025-05-14 (Day 39)*

TrussNodeMaxPerStem (Def=4.0 Set=4)

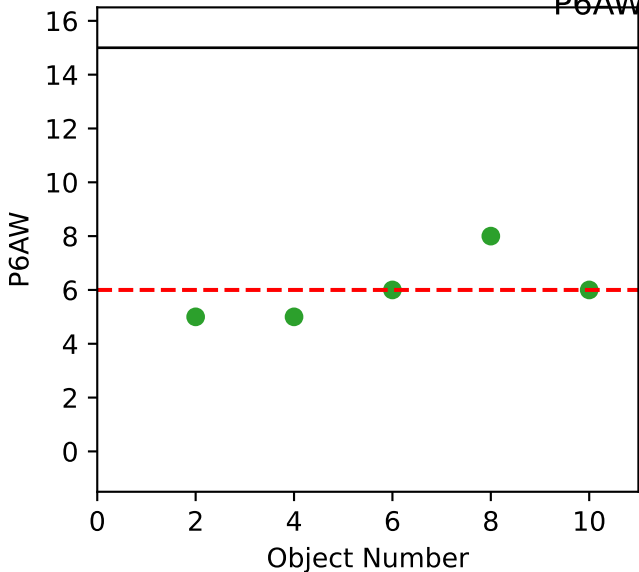
avg1=4.0~0% avg2=na

P6AW Trim Truss



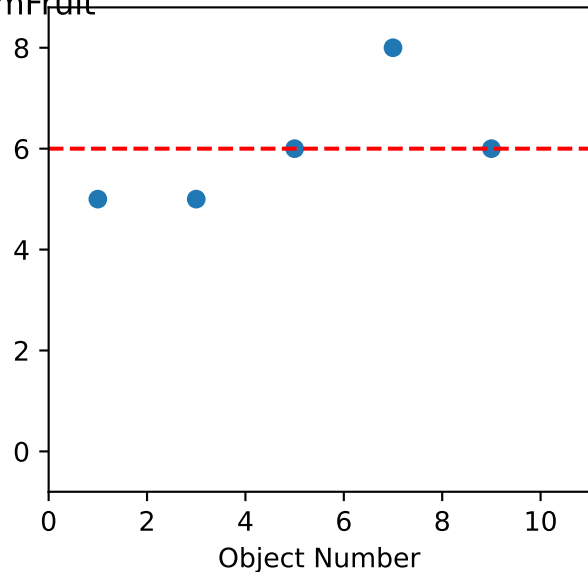
FruitNumAvgPerTruss (Def=15 Set=6)

avg1=6.0~10% avg2=na

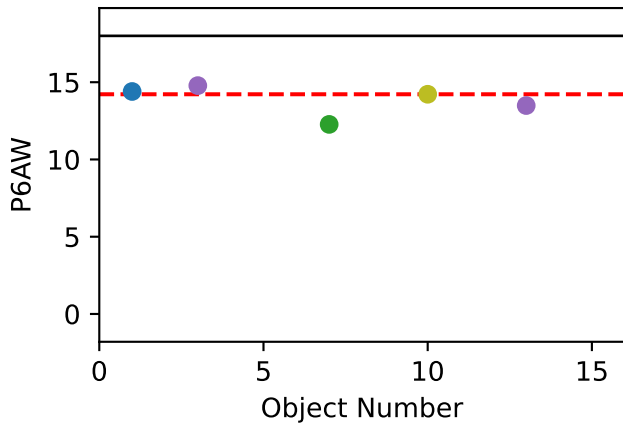


FruitNumMaxPerTruss (Def=na Set=6)

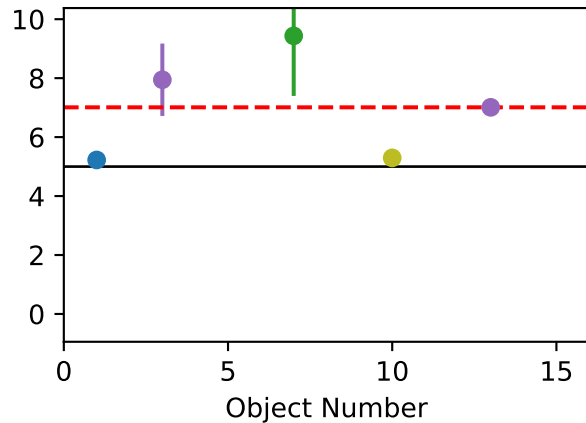
avg1=6.0~10% avg2=na



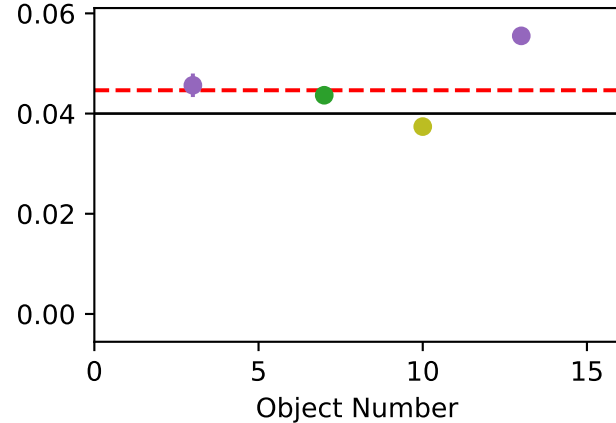
NdD\_Q90AbsY (Def=18 Set=14.22)  
avg1=14.22~7% avg2=na



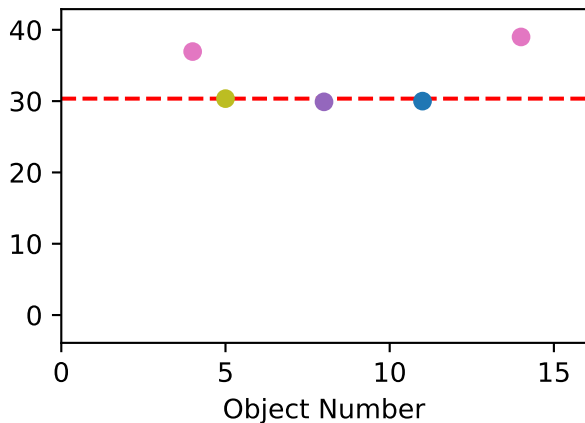
NdL\_Q90AbsY (Def=5 Set=7.01)  
avg1=7.01~26% avg2=na



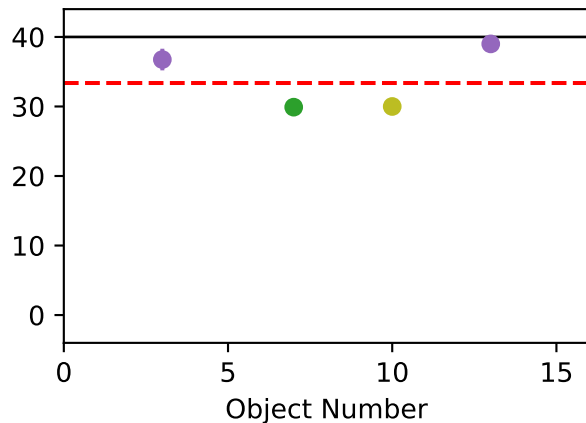
LfA\_Q90AbsY (Def=0.04 Set=0.04)  
avg1=0.04~17% avg2=na



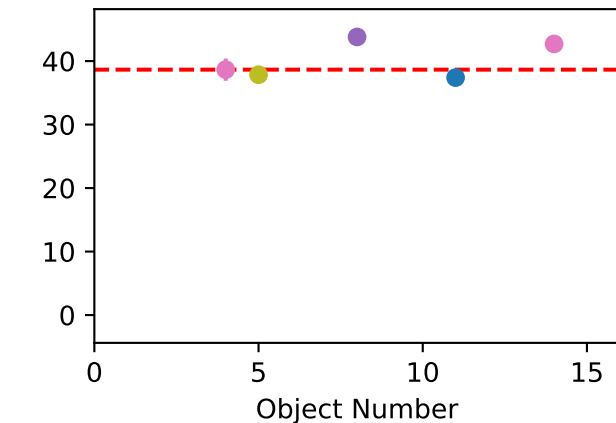
LfL\_avgAbsY (Def=na Set=30.35)  
avg1=30.35~14% avg2=na



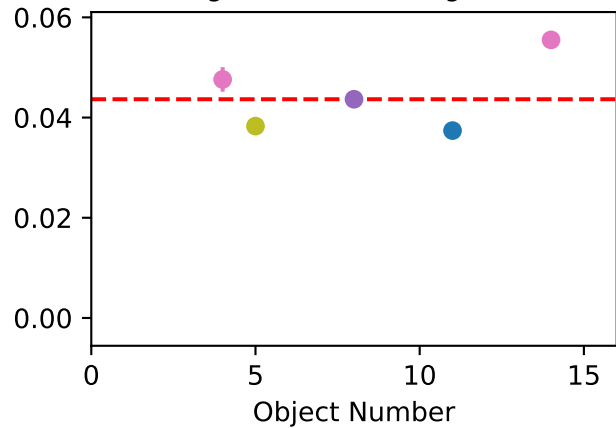
LfL\_Q90AbsY (Def=40 Set=33.38)  
avg1=33.38~14% avg2=na



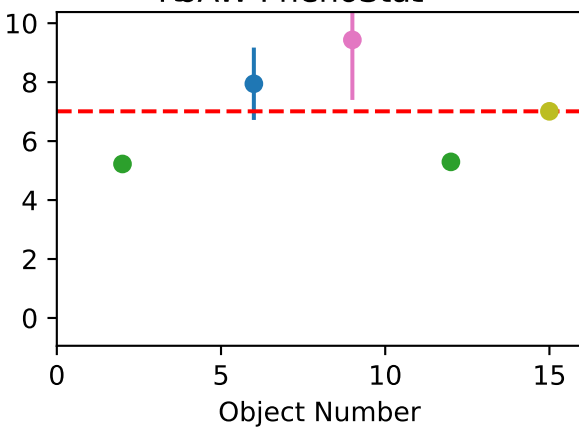
LfW\_avgAbsY (Def=na Set=38.65)  
avg1=38.65~8% avg2=na



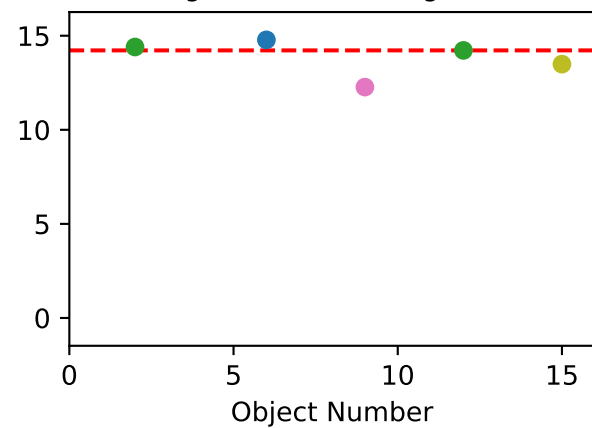
LfA\_avgAbsY (Def=na Set=0.04)  
avg1=0.04~17% avg2=na



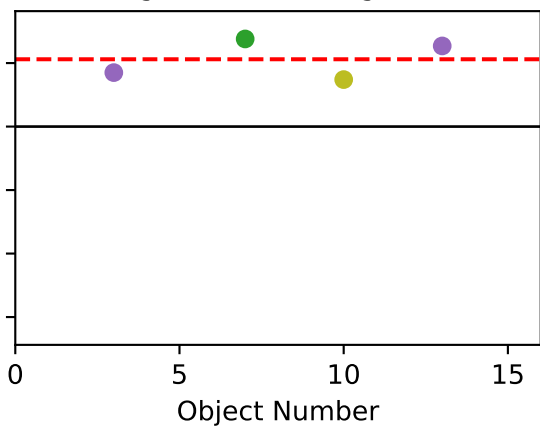
NdL\_avgAbsY (Def=na Set=7.01)  
avg1=7.01~26% avg2=na



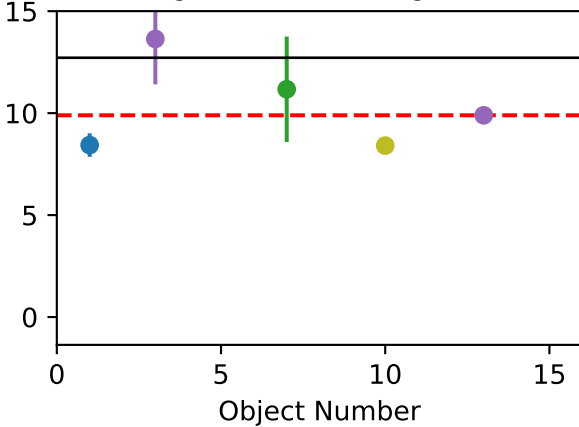
NdD\_avgAbsY (Def=na Set=14.22)  
avg1=14.22~7% avg2=na



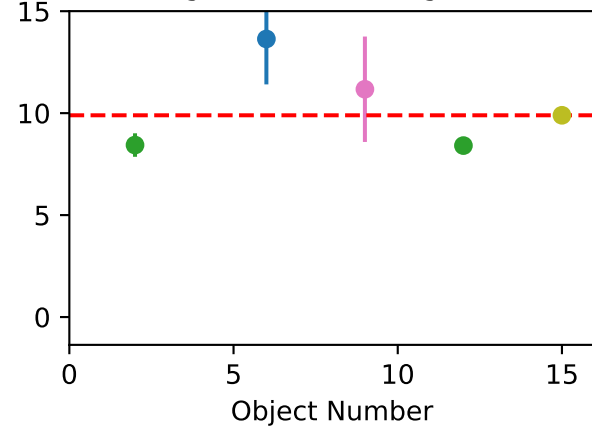
LfW\_Q90AbsY (Def=30 Set=40.6)  
avg1=40.6~8% avg2=na



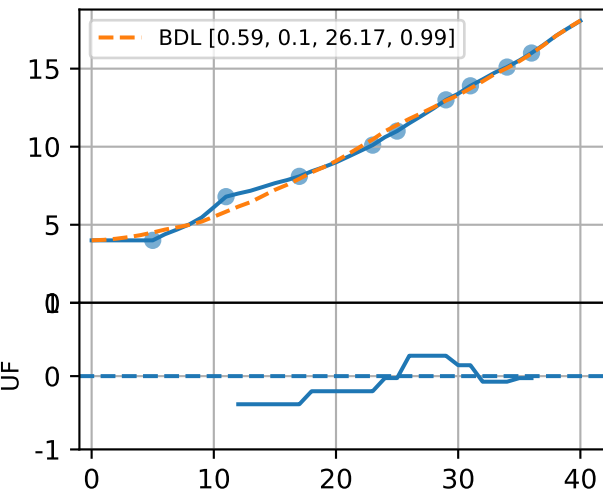
NdV\_Q90AbsY (Def=12.72 Set=9.89)  
avg1=9.89~22% avg2=na



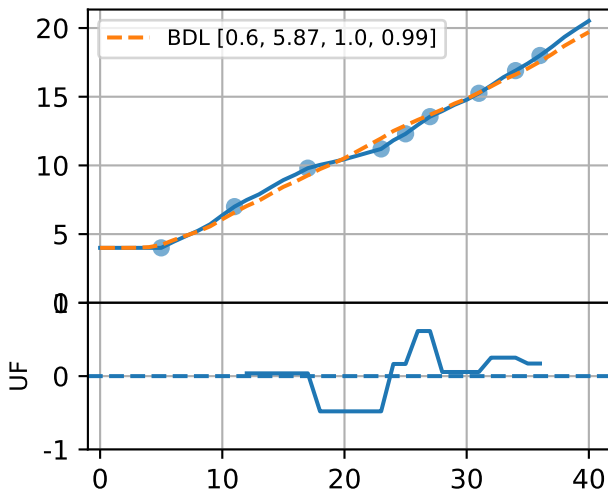
NdV\_avgAbsY (Def=na Set=9.89)  
avg1=9.89~22% avg2=na



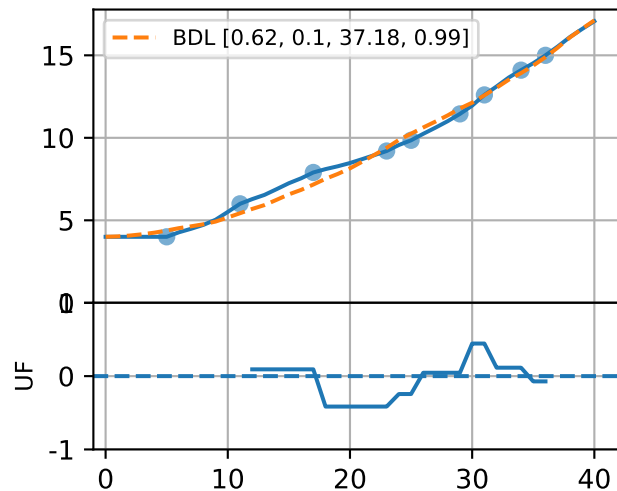
P6AW-058-22 (fit failed)



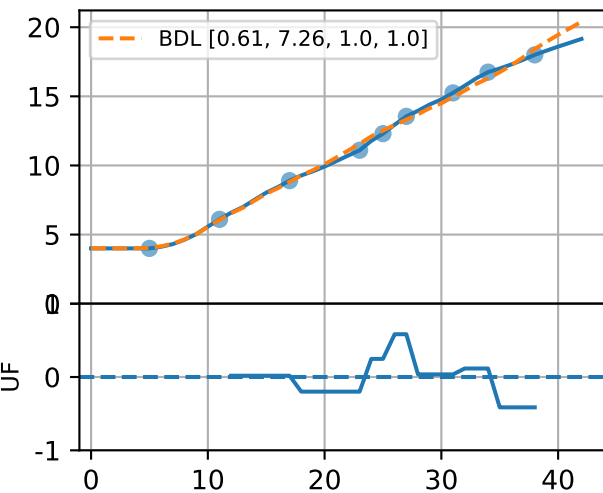
P6AW-074-19 (fit failed)



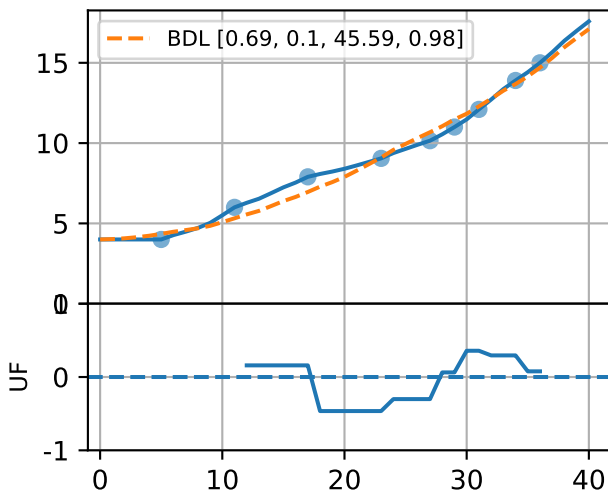
P6AW-087-14 (fit failed)



P6AW-095-29 (fit failed)



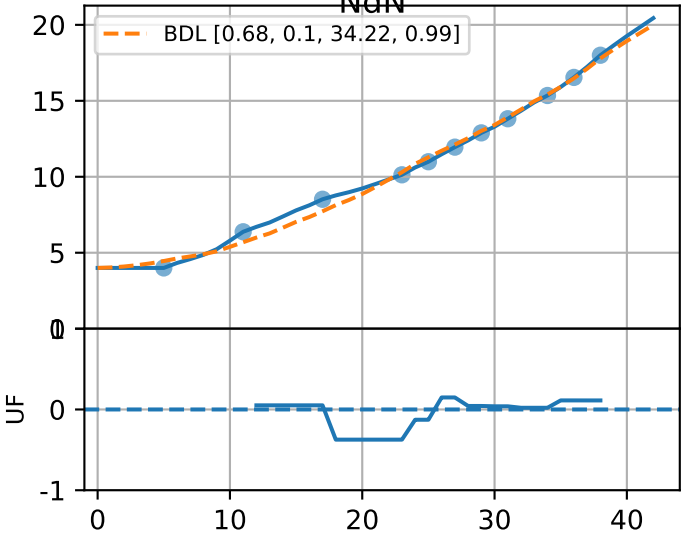
P6AW-106-11 (fit failed)



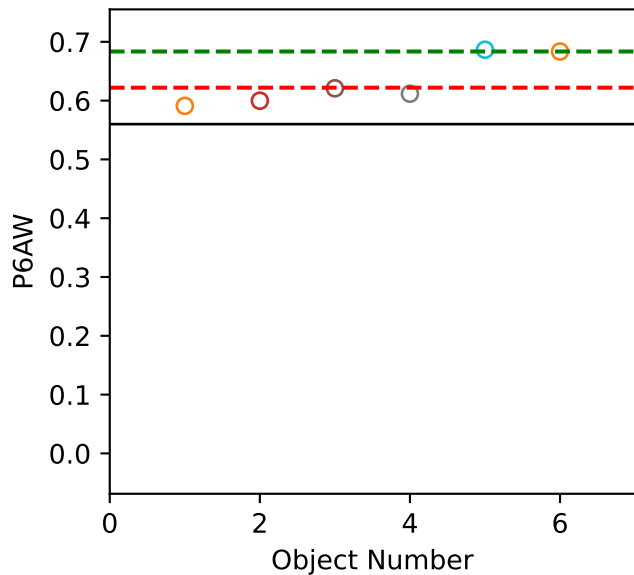
# P6AWayg (fit failed)

NaN

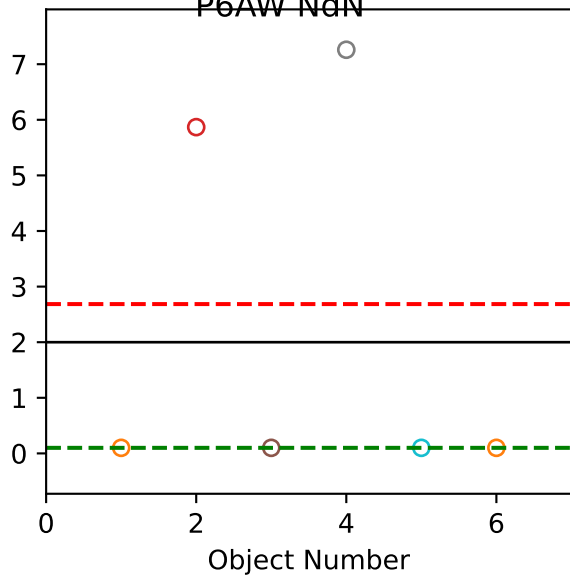
BDL [0.68, 0.1, 34.22, 0.99]



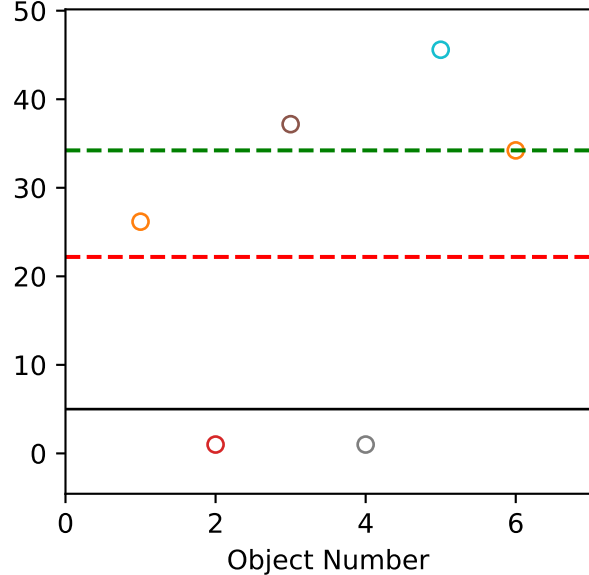
a (Def=0.56 Set=0.68)  
avg1=0.62(fail) avg2=0.68



dm (Def=2 Set=0.1)  
avg1=2.69(fail) avg2=0.1

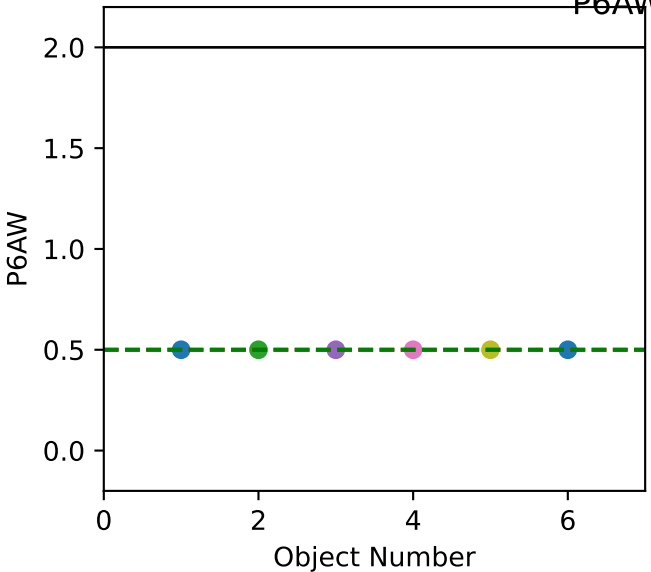


de (Def=5 Set=34.22)  
avg1=22.19(fail) avg2=34.22

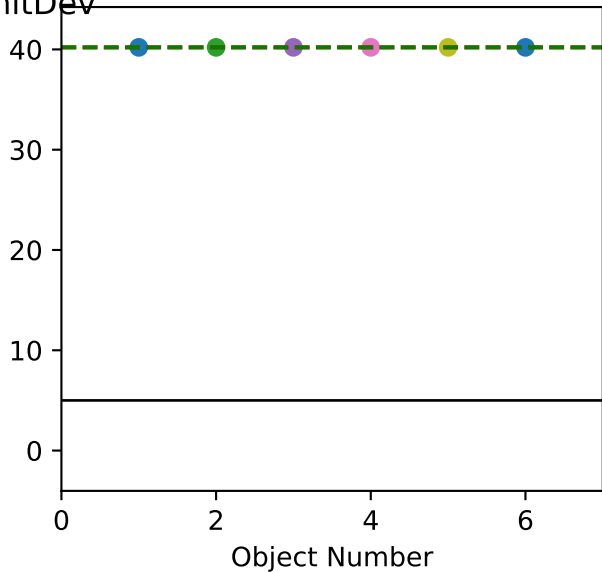




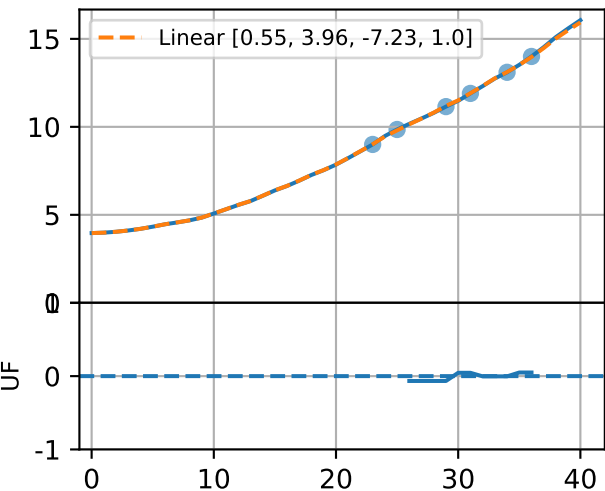
InitDev\_dm (Def=2 Set=0.5)  
avg1=0.5~0% avg2=0.5



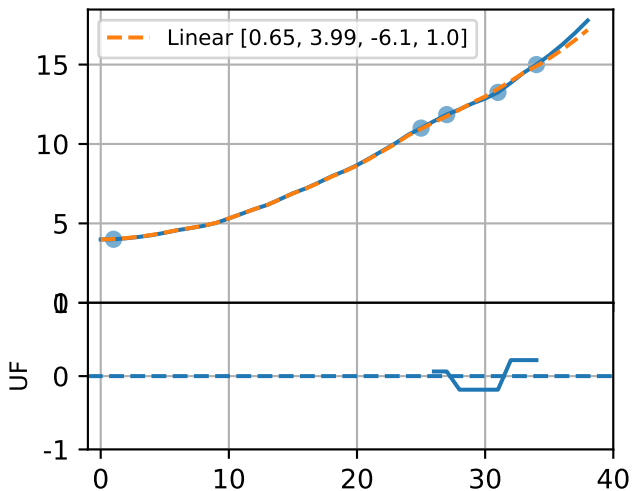
InitDev\_de (Def=5 Set=40.21)  
avg1=40.21~0% avg2=40.21



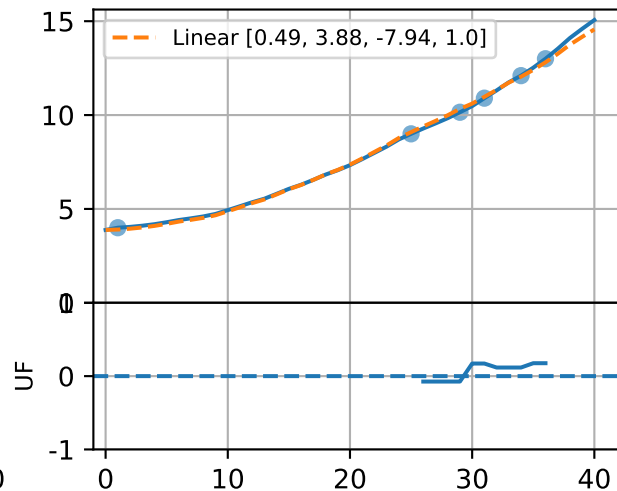
P6AW-058-22



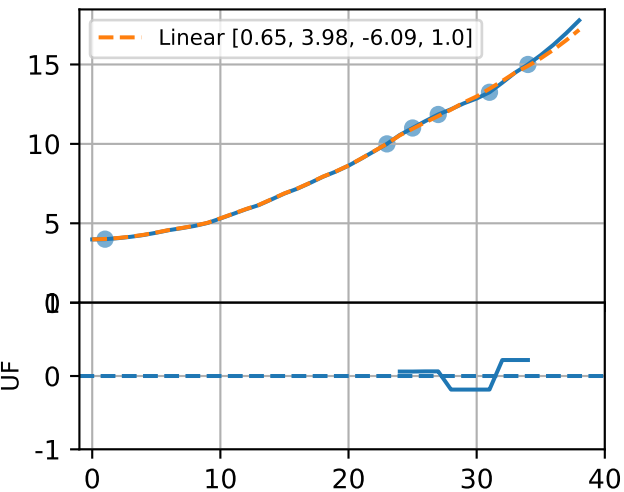
P6AW-074-9



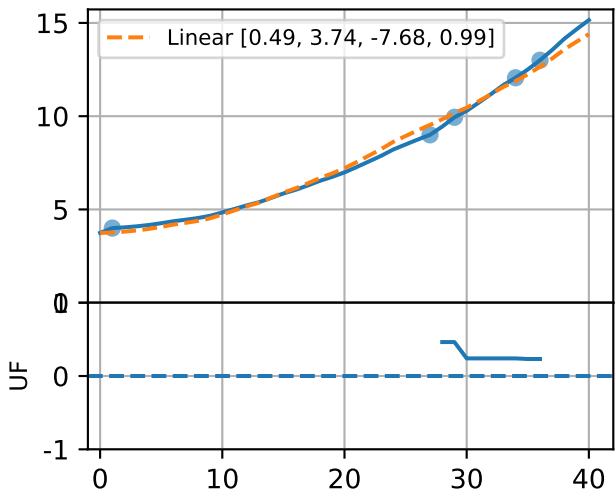
P6AW-087-14



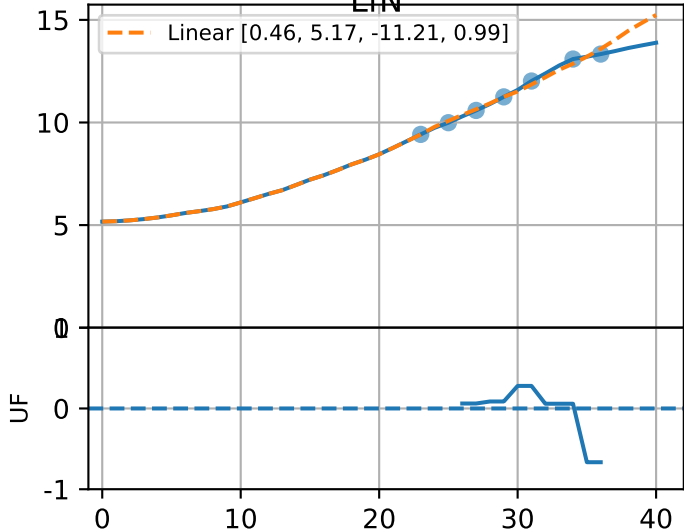
P6AW-095-29



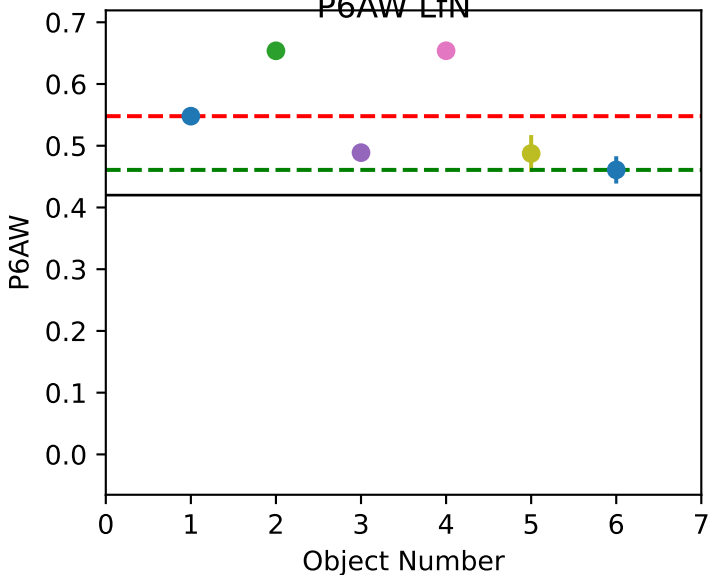
P6AW-106-11



# P6AWavg LfN

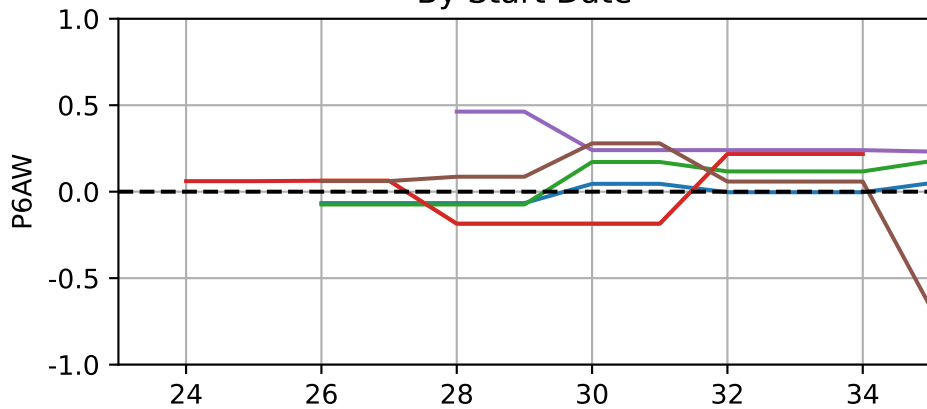


a (Def=0.42 Set=0.46)  
avg1=0.55~15% avg2=0.46~11%

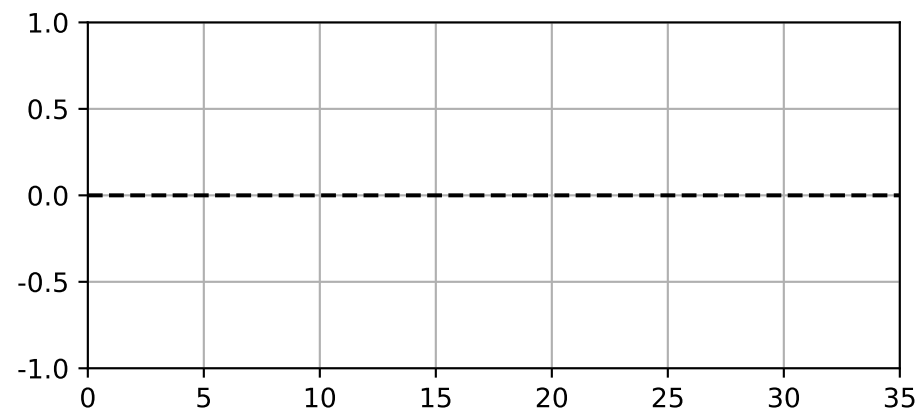
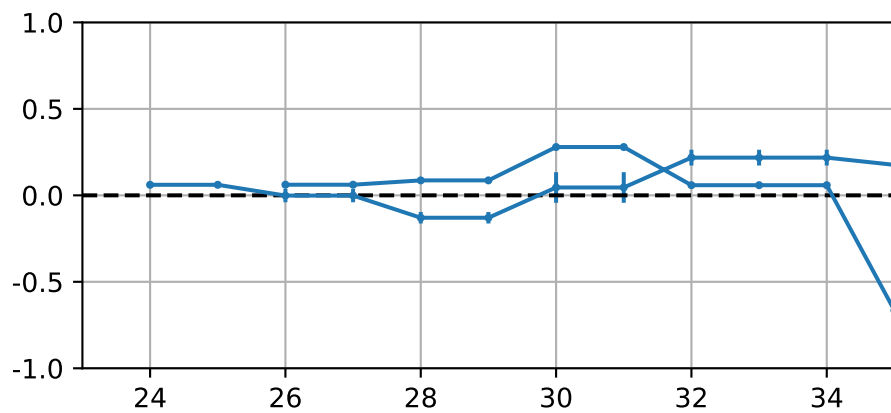
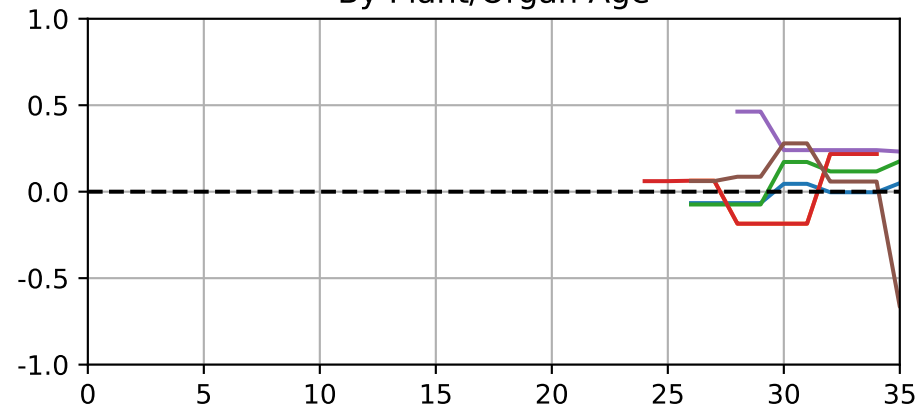


## LfN

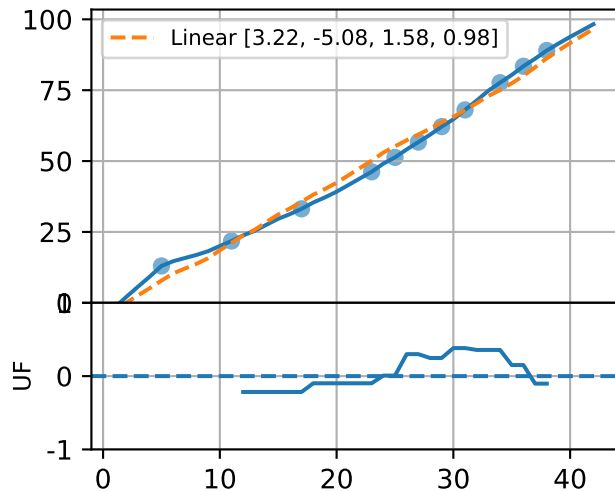
By Start Date



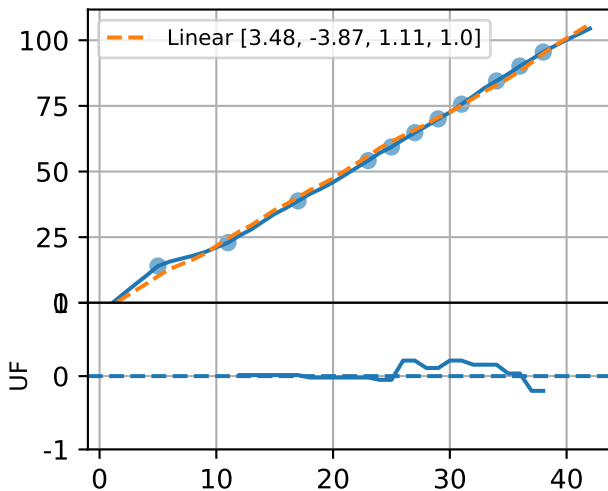
By Plant/Organ Age



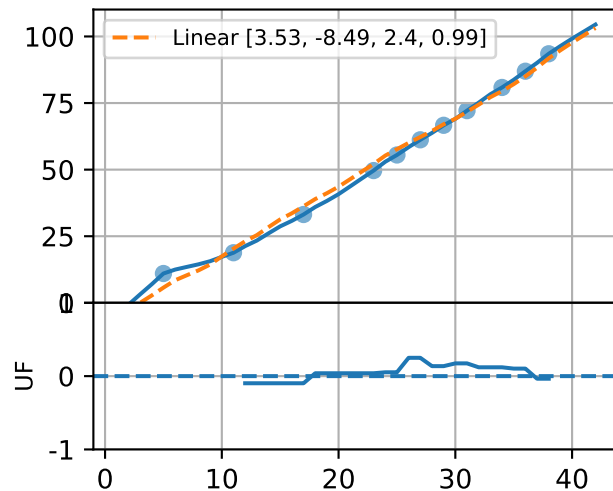
P6AW-058-22



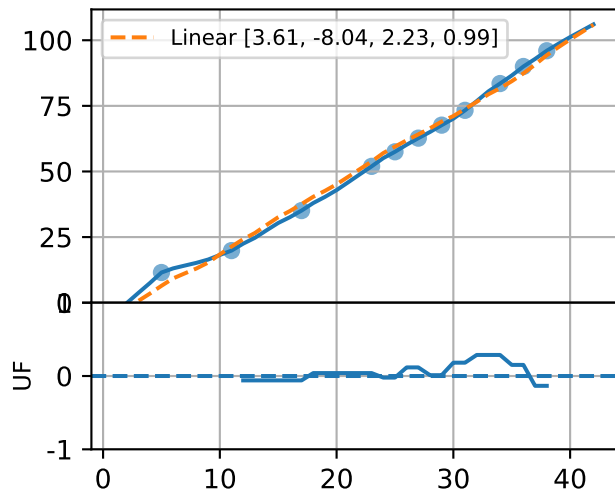
P6AW-074-9



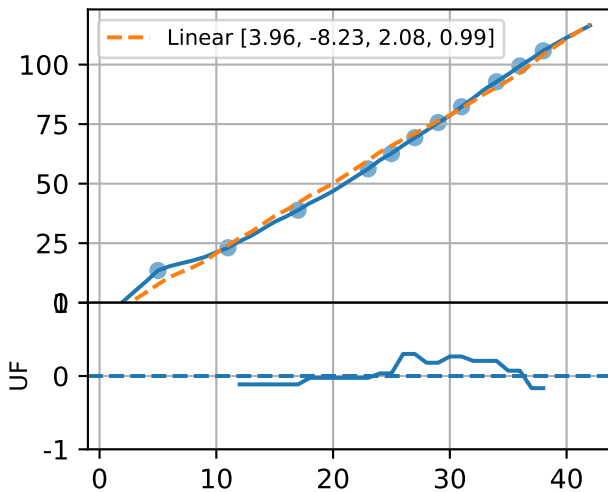
P6AW-087-14



P6AW-095-29

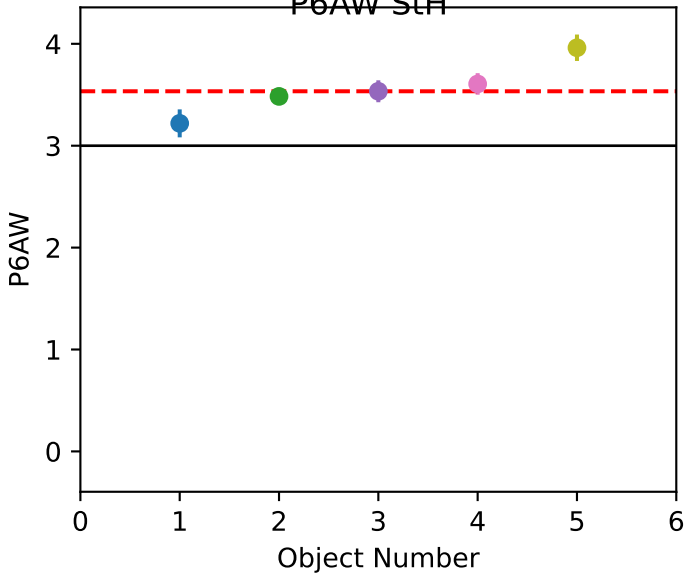


P6AW-106-11



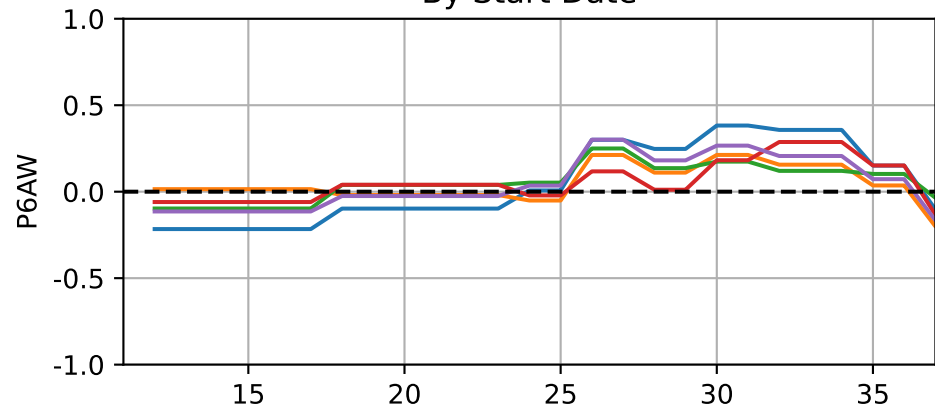
a (Def=3 Set=3.53)  
avg1=3.53~2% avg2=na

P6AW StH

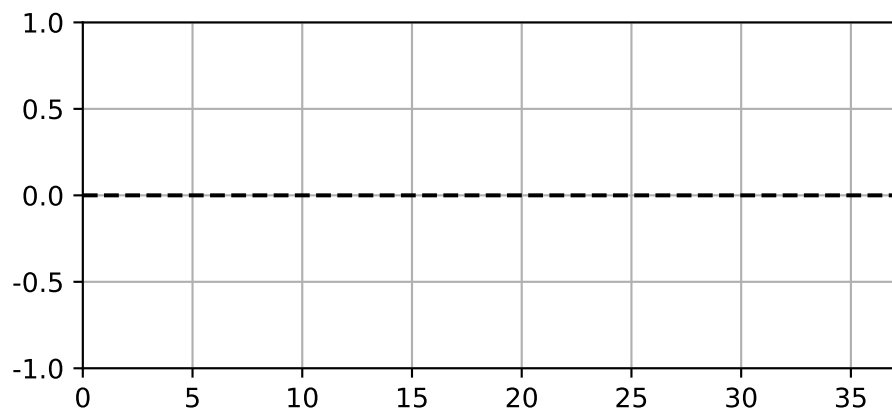
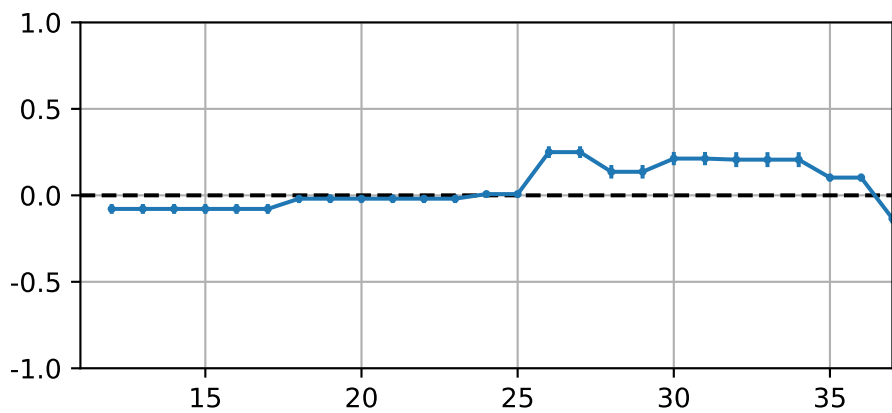
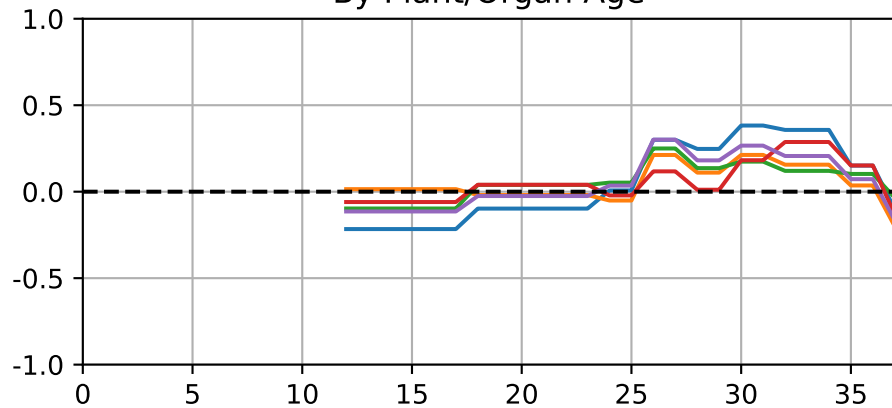


# StH

## By Start Date

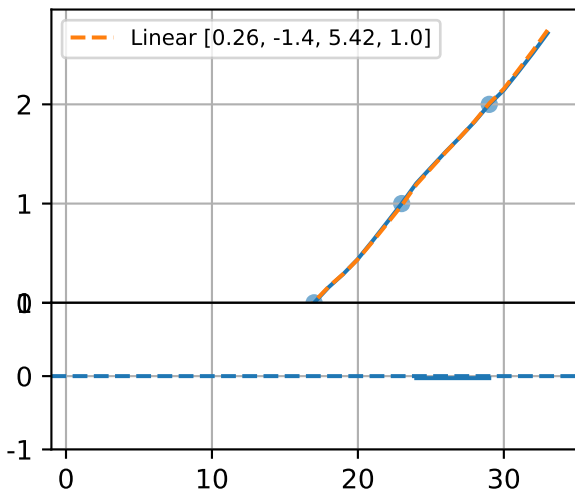


## By Plant/Organ Age

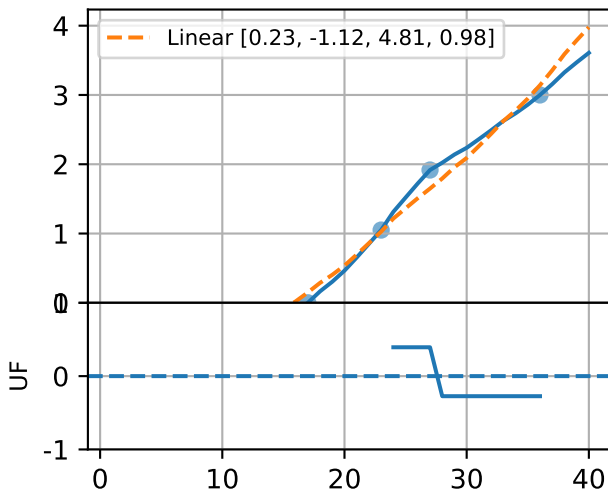




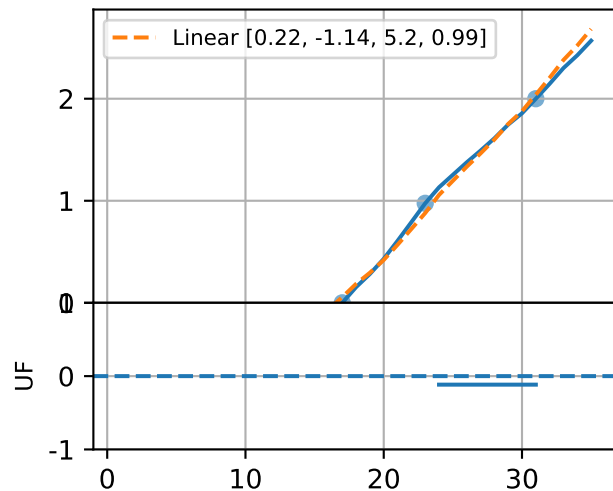
P6AW-058-22



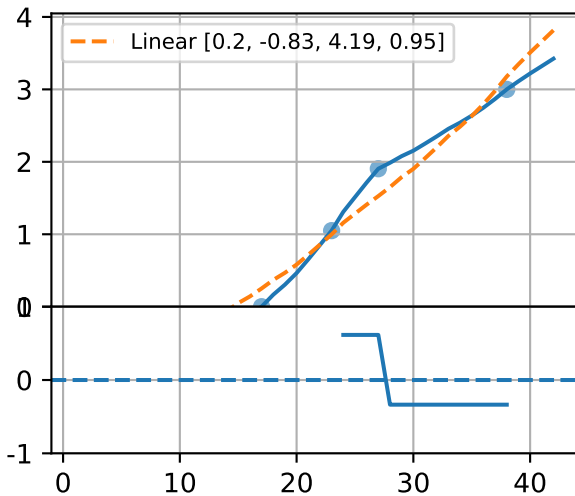
P6AW-074-9



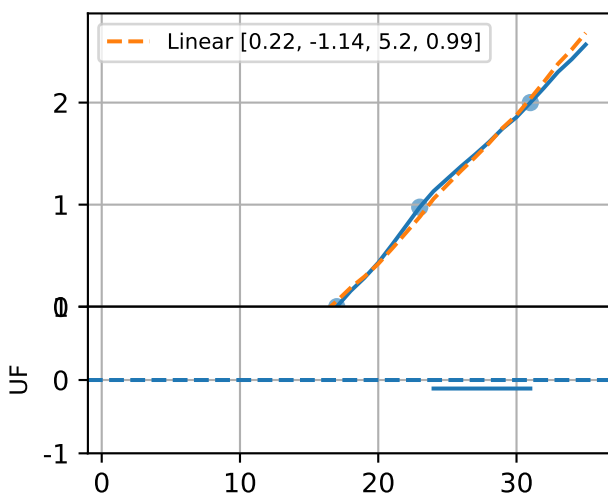
P6AW-087-14



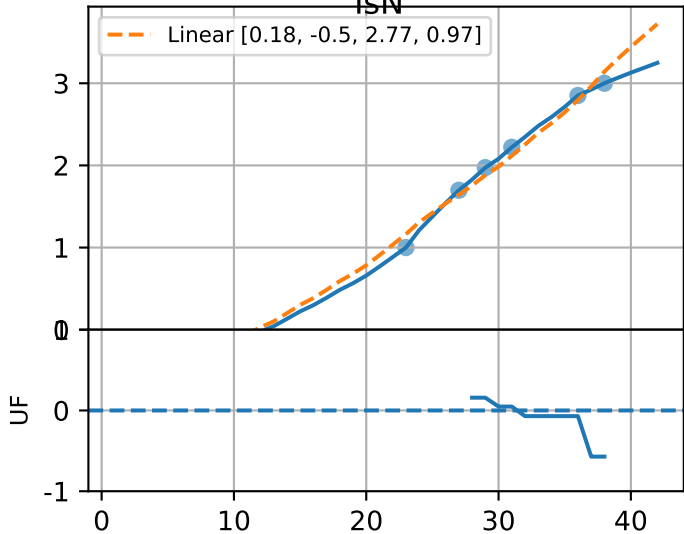
P6AW-095-29



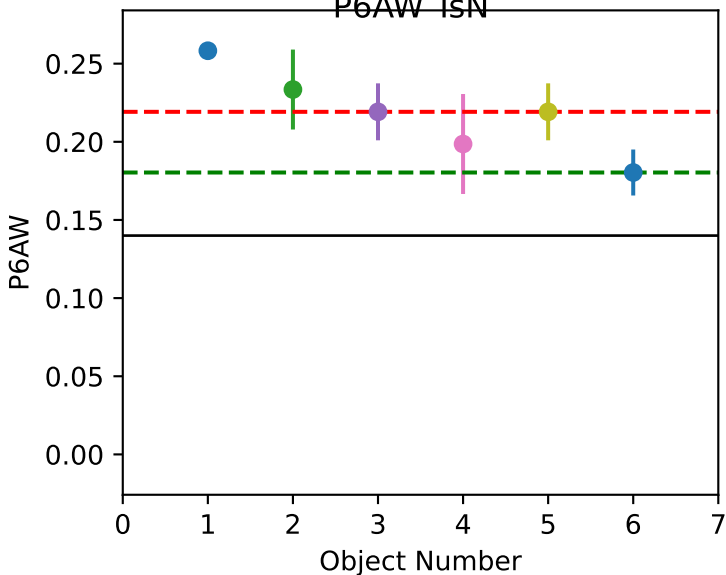
P6AW-106-11



# P6AWavg TSN

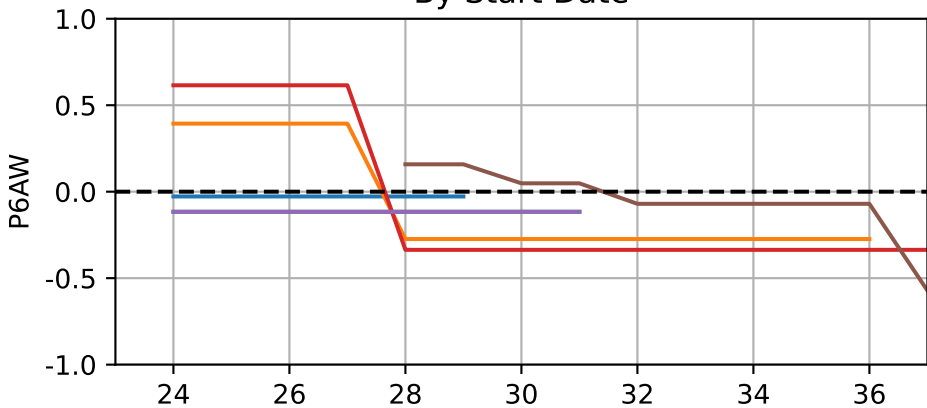


a (Def=0.14 Set=0.18)  
avg1=0.22~7% avg2=0.18~16%

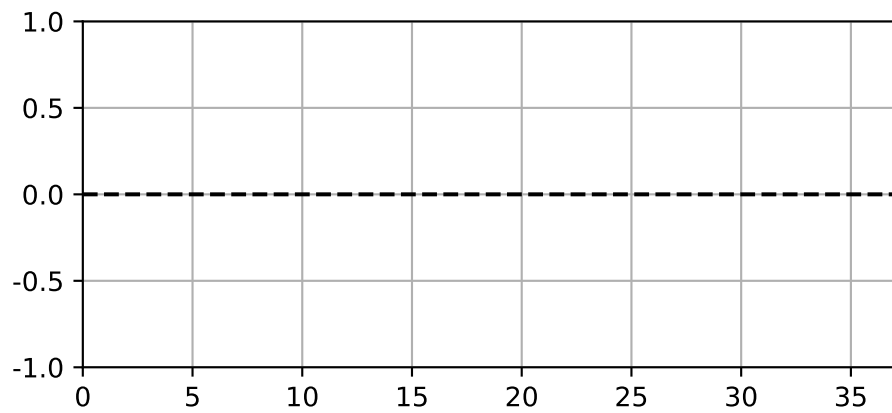
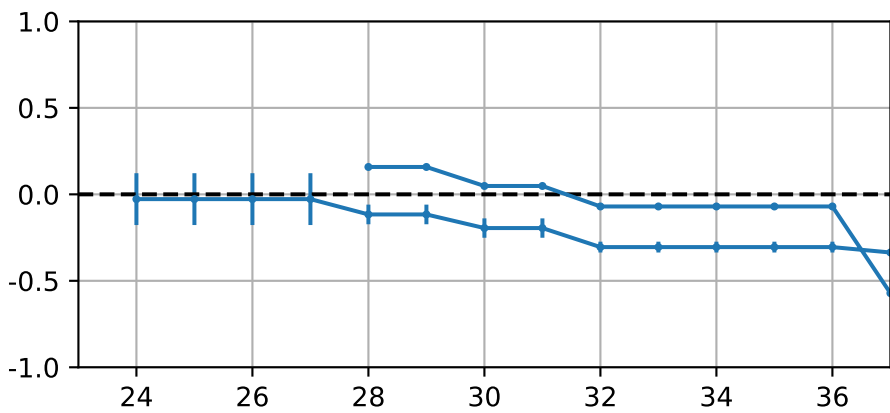
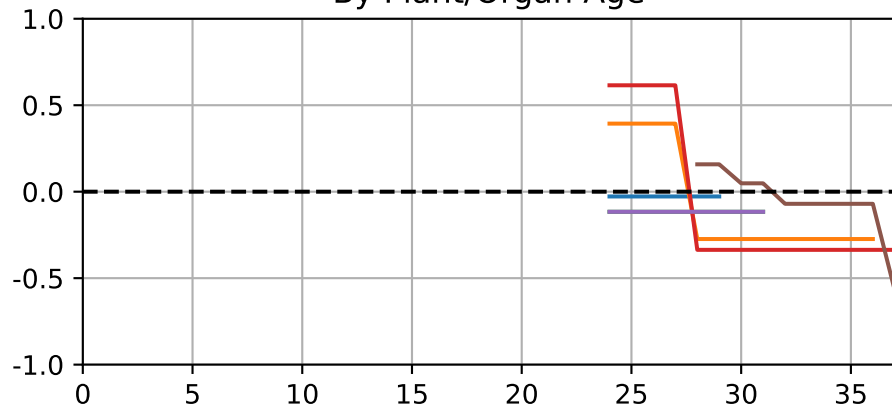


TSN

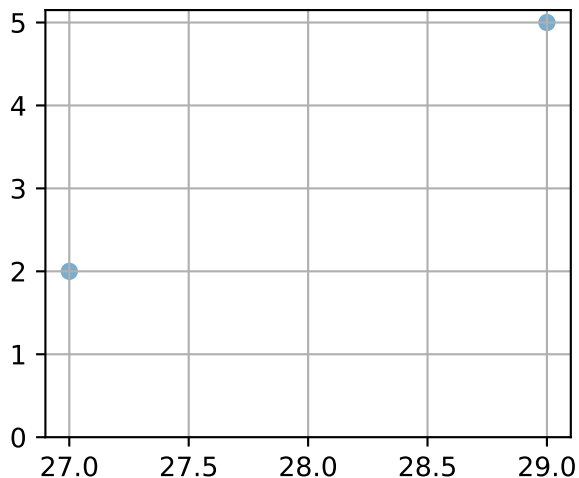
By Start Date



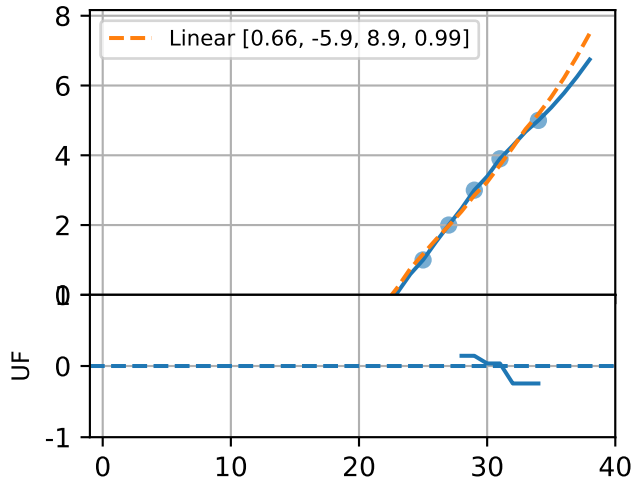
By Plant/Organ Age



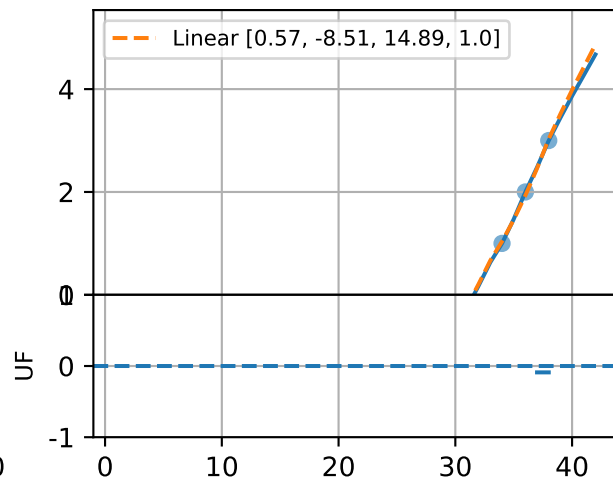
P6AW-058-22T1 (fit failed)



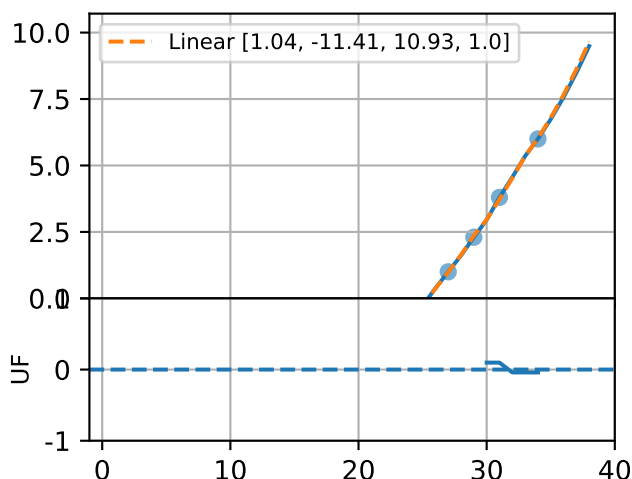
P6AW-074-9T1



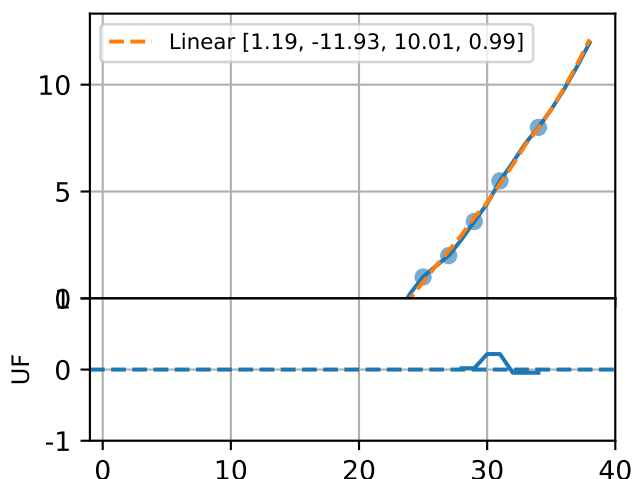
P6AW-074-9T2



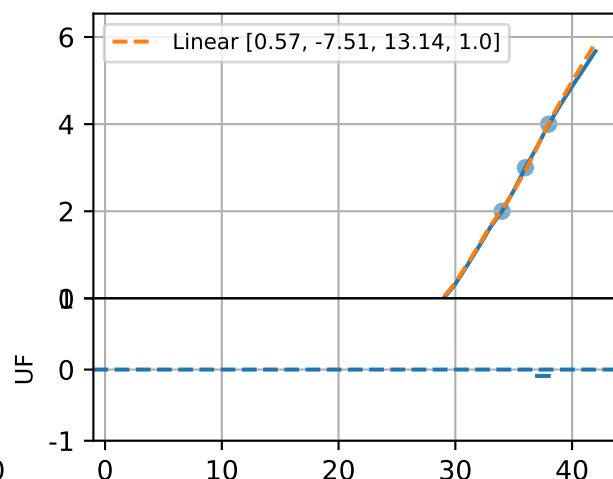
P6AW-087-14T1



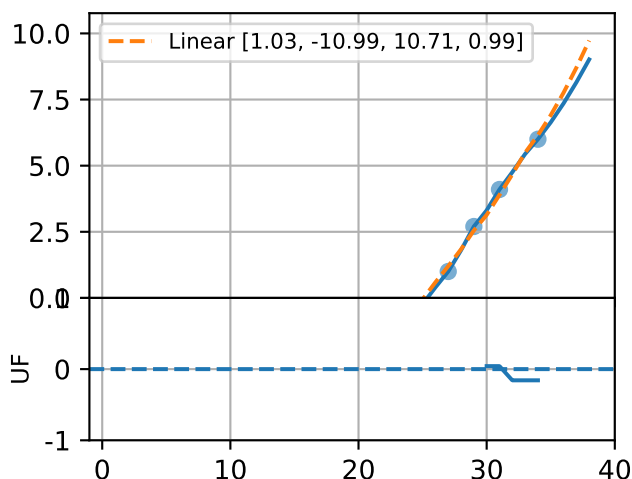
P6AW-095-29T1



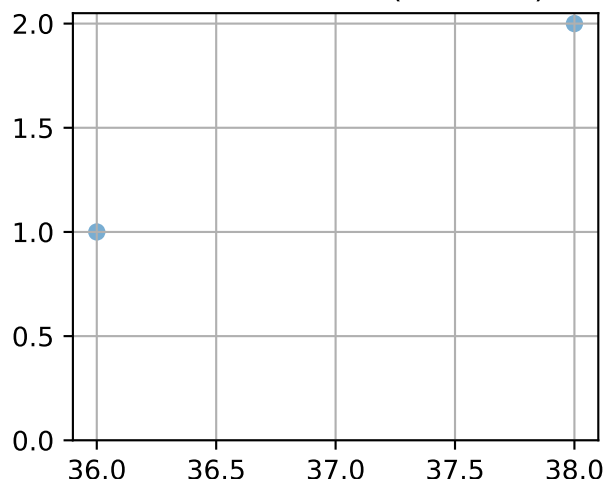
P6AW-095-29T2



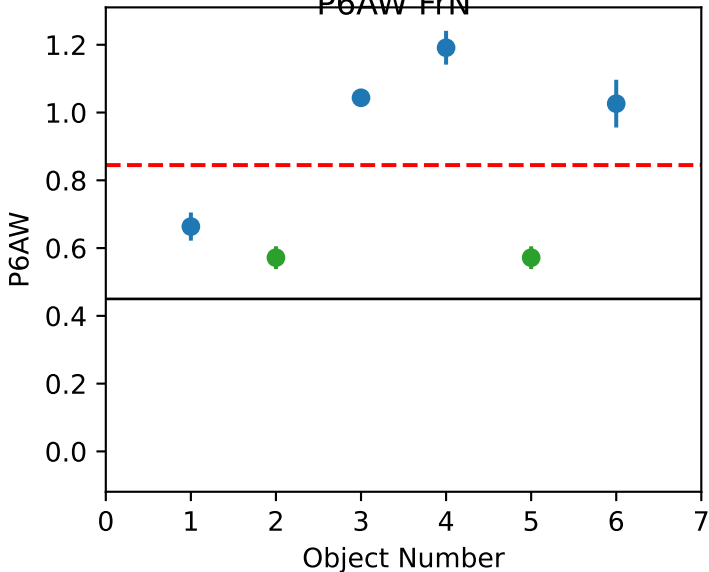
P6AW-106-11T1



P6AW-106-11T2 (fit failed)

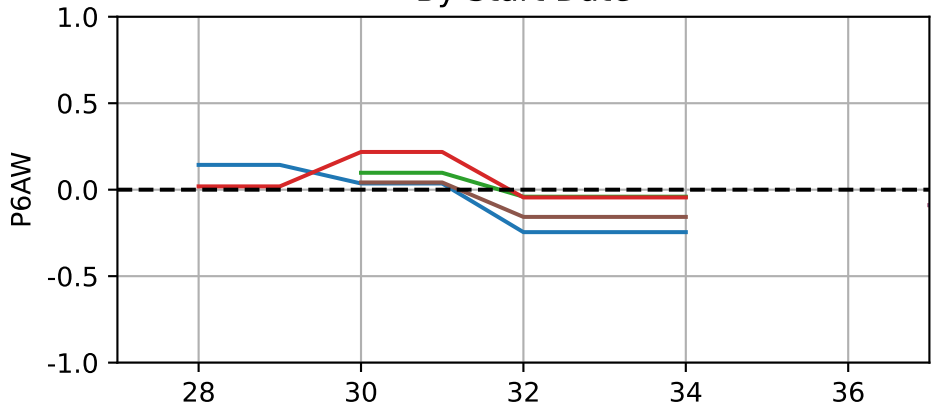


a (Def=0.45 Set=0.84)  
avg1=0.84~32% avg2=na  
P6AW FrN

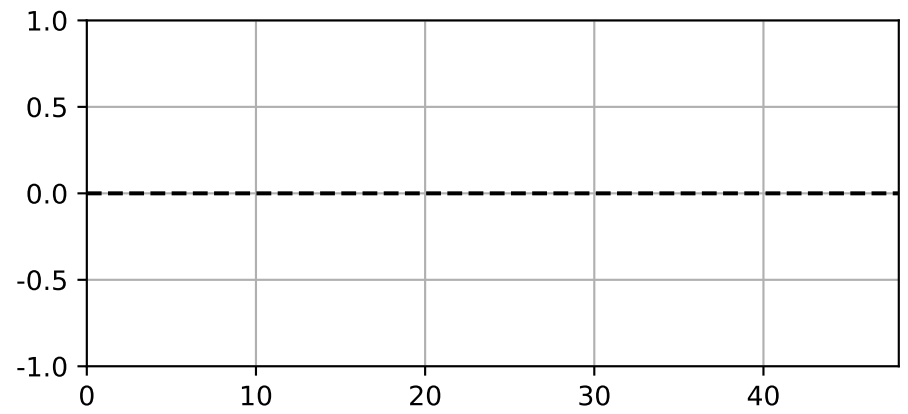
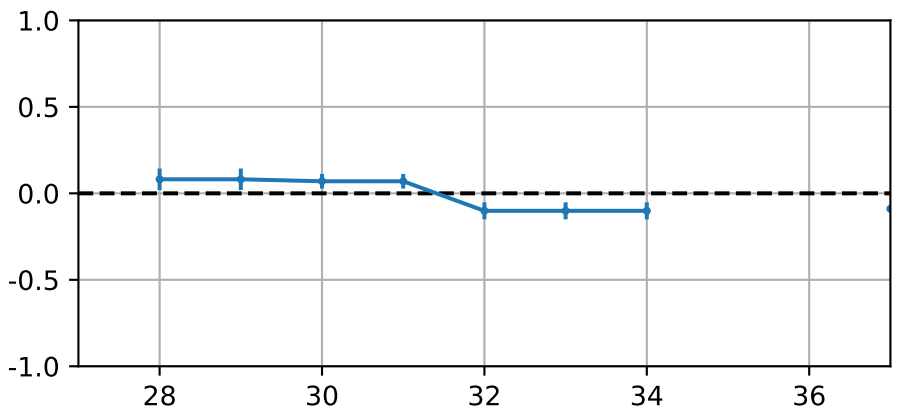
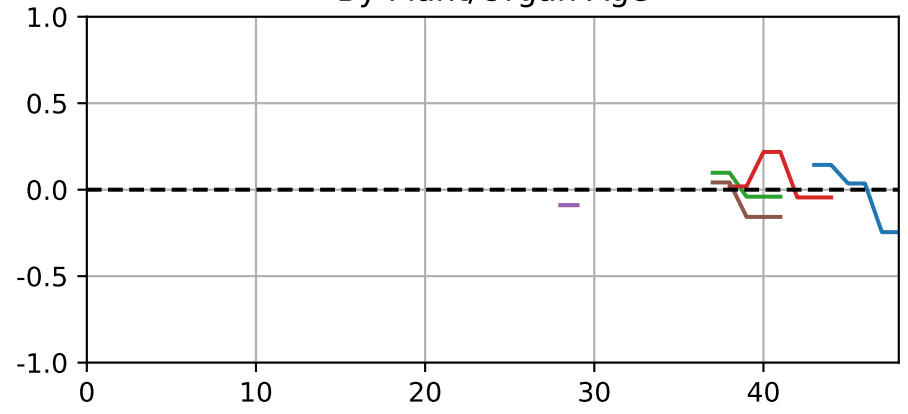


FrN

By Start Date

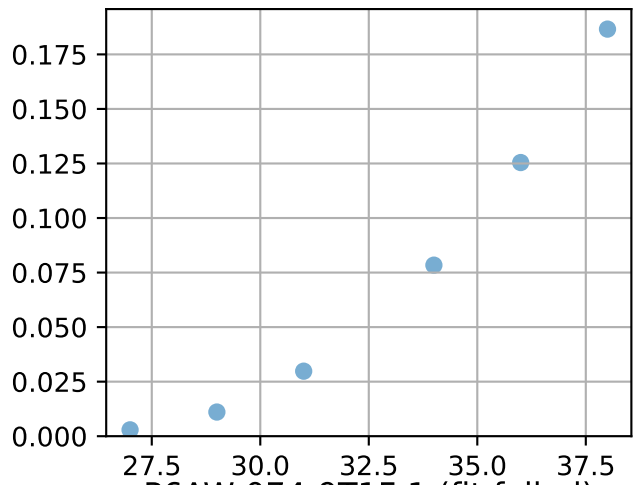


By Plant/Organ Age

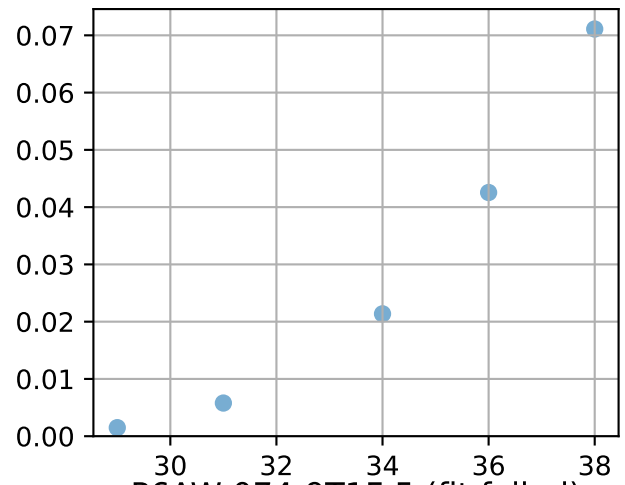


FrV

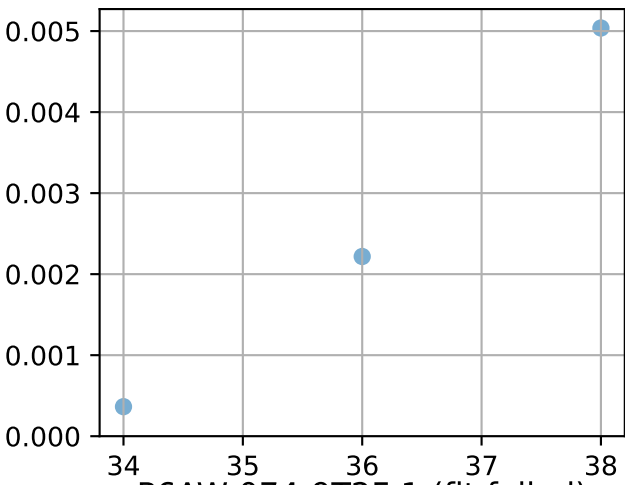
P6AW-058-22T1Fr1 (fit failed)



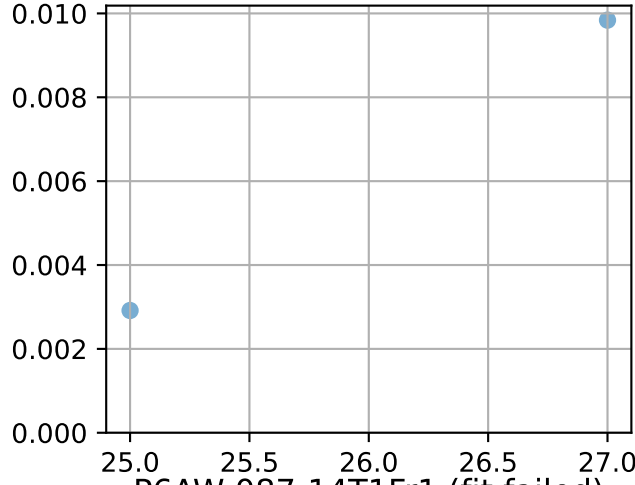
P6AW-058-22T1Fr5 (fit failed)



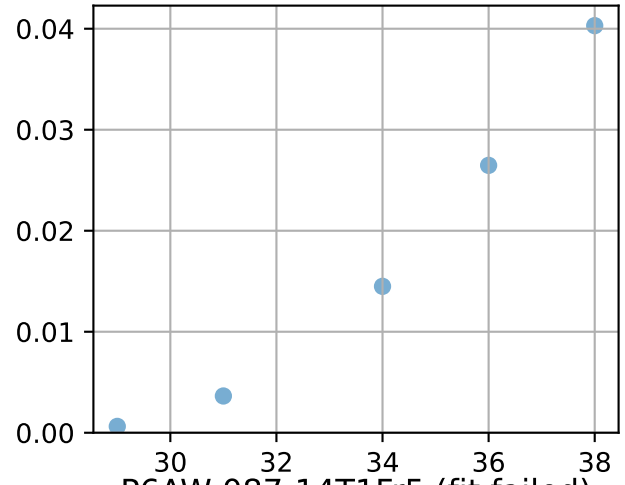
P6AW-058-22T2Fr1 (fit failed)



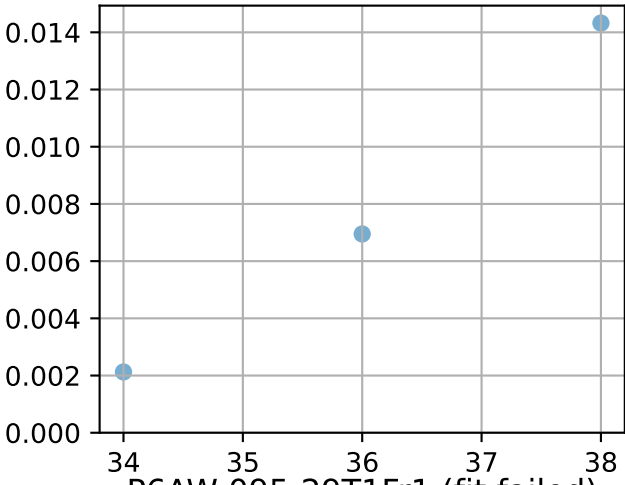
P6AW-074-9T1Fr1 (fit failed)



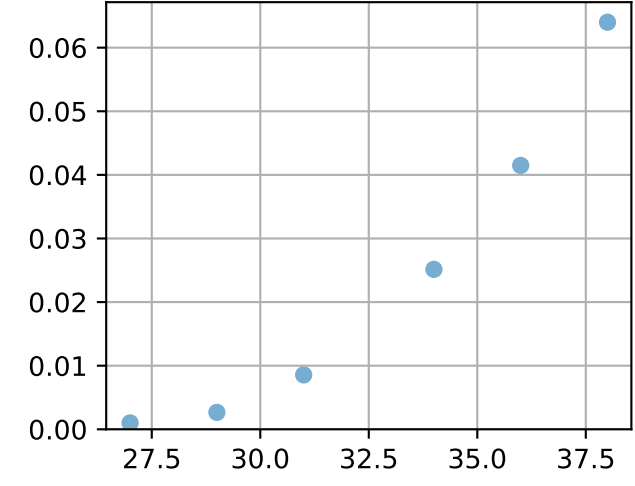
P6AW-074-9T1Fr5 (fit failed)



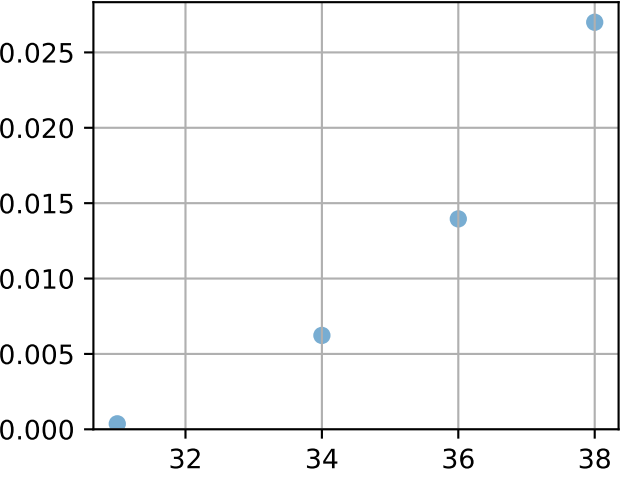
P6AW-074-9T2Fr1 (fit failed)



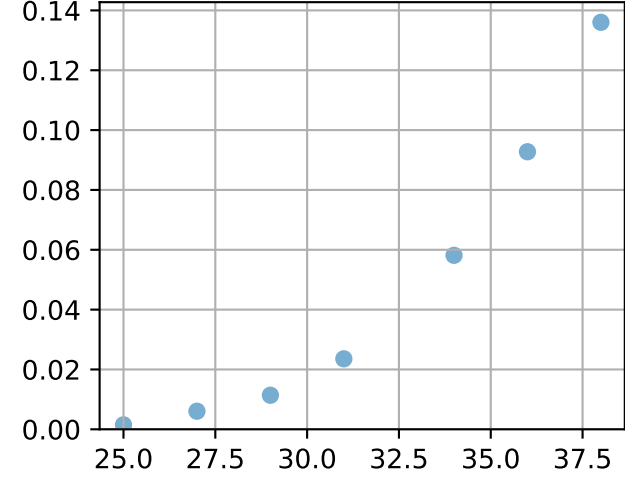
P6AW-087-14T1Fr1 (fit failed)



P6AW-087-14T1Fr5 (fit failed)



P6AW-095-29T1Fr1 (fit failed)



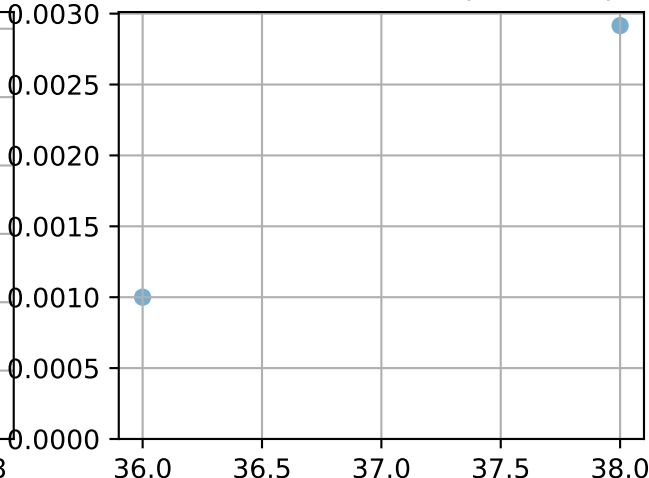
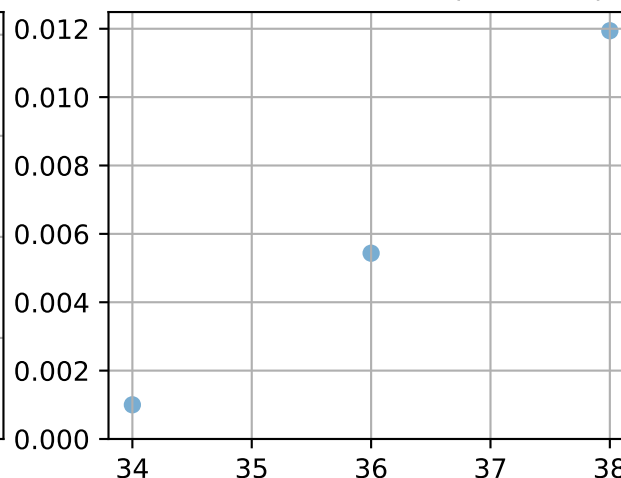
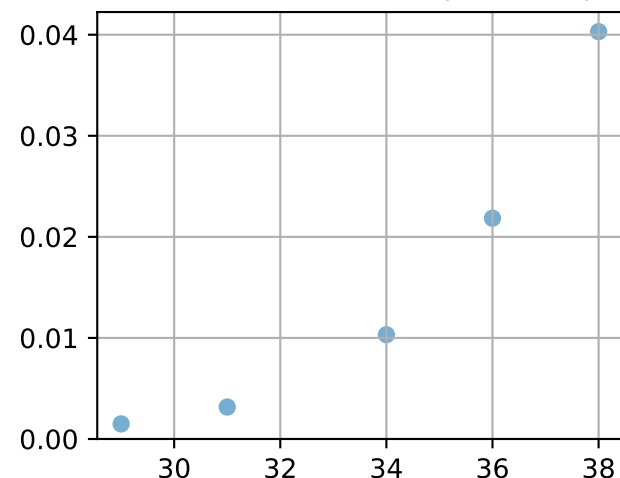


FrV

P6AW-095-29T1Fr5 (fit failed)

P6AW-095-29T2Fr1 (fit failed)

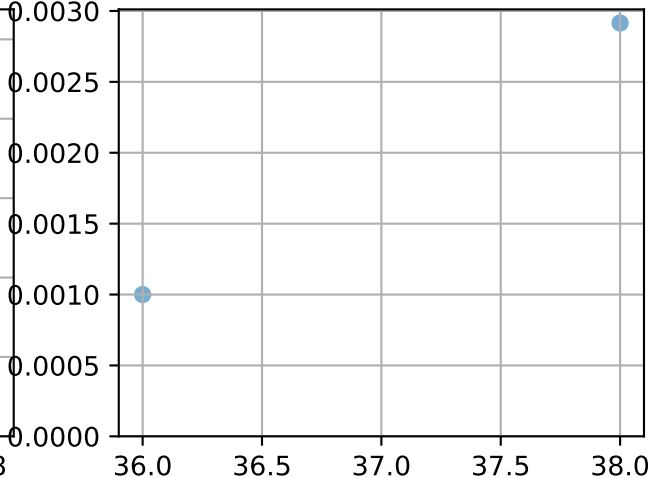
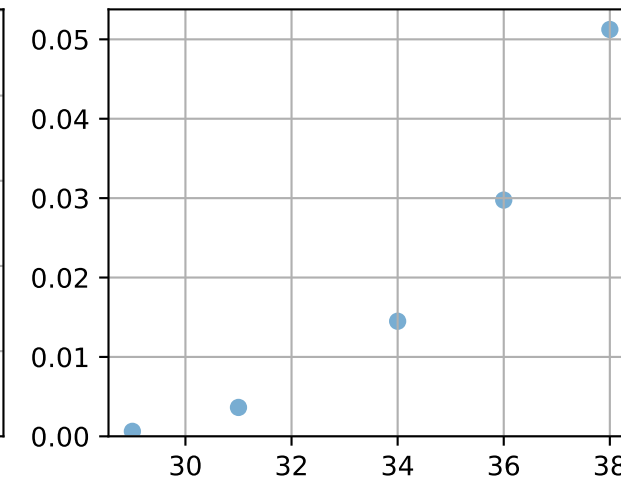
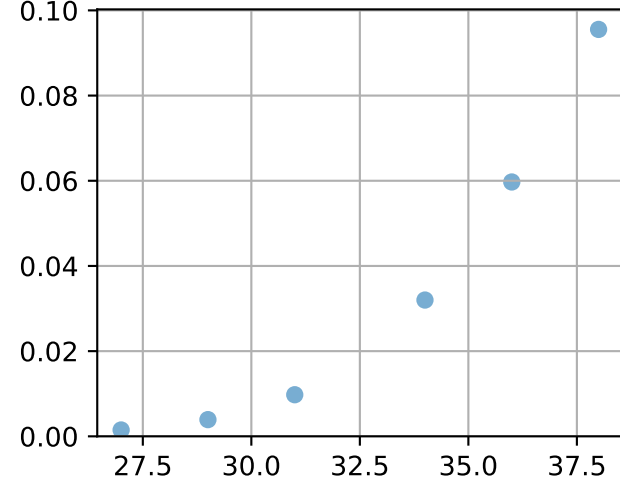
P6AW-095-29T2Fr5 (fit failed)



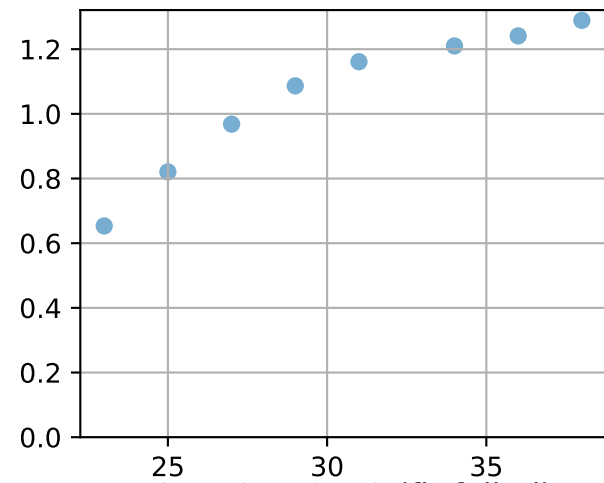
P6AW-106-11T1Fr1 (fit failed)

P6AW-106-11T1Fr5 (fit failed)

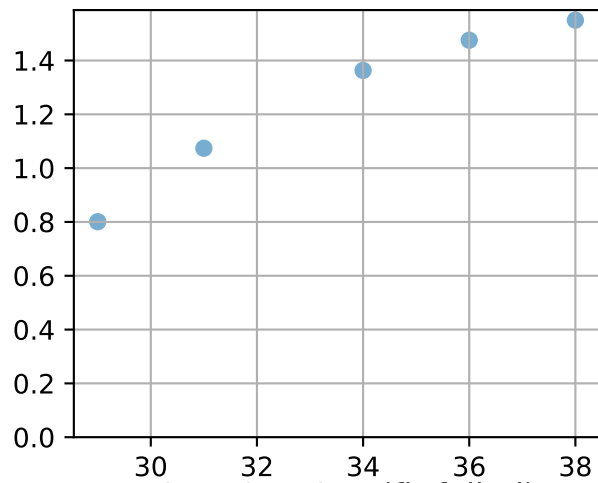
P6AW-106-11T2Fr1 (fit failed)



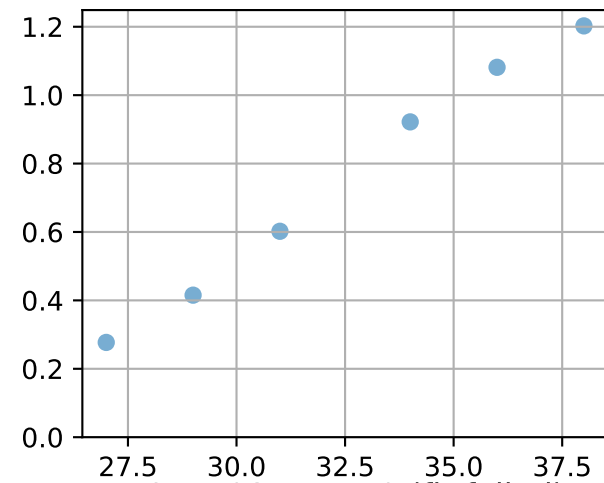
P6AW-058-22L6 (fit failed)



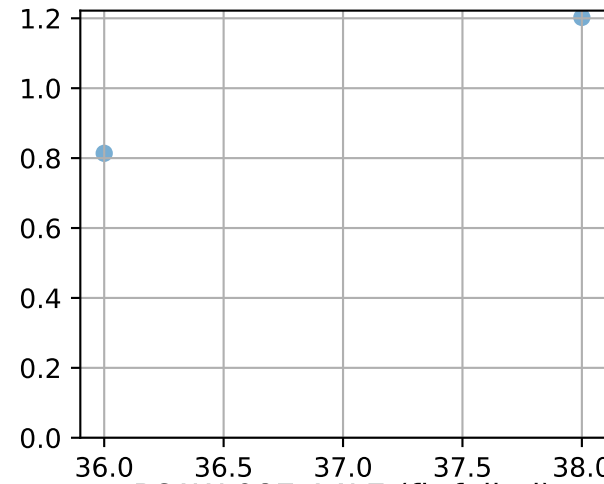
P6AW-058-22L9 (fit failed)



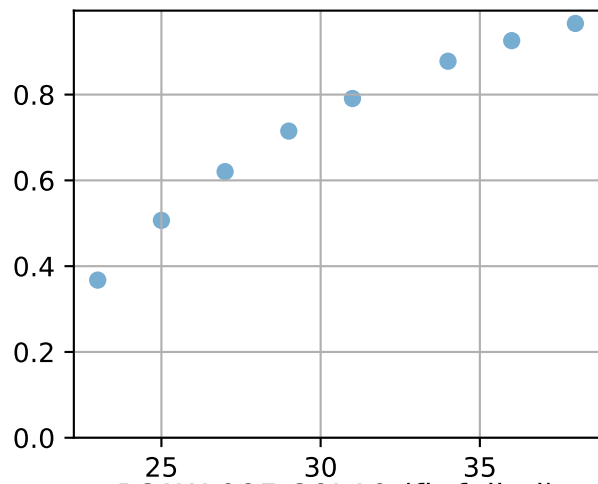
P6AW-074-9L10 (fit failed)



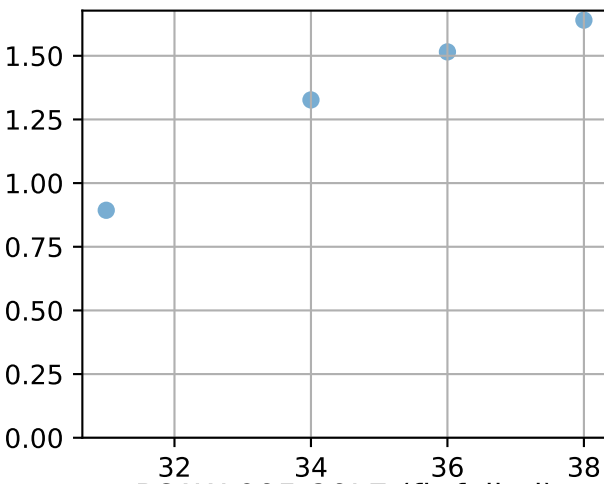
P6AW-074-9L13 (fit failed)



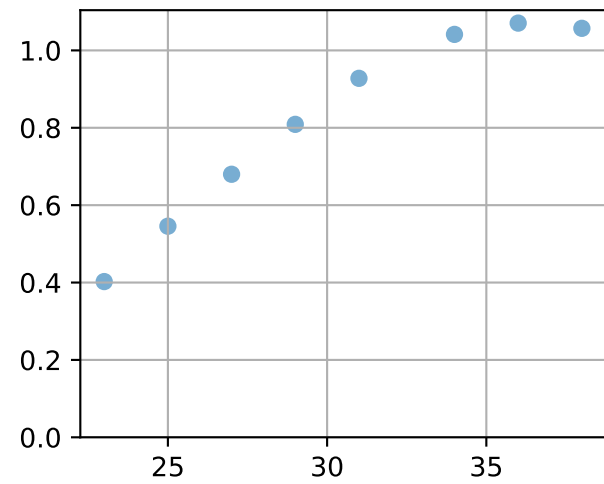
P6AW-074-9L7 (fit failed)



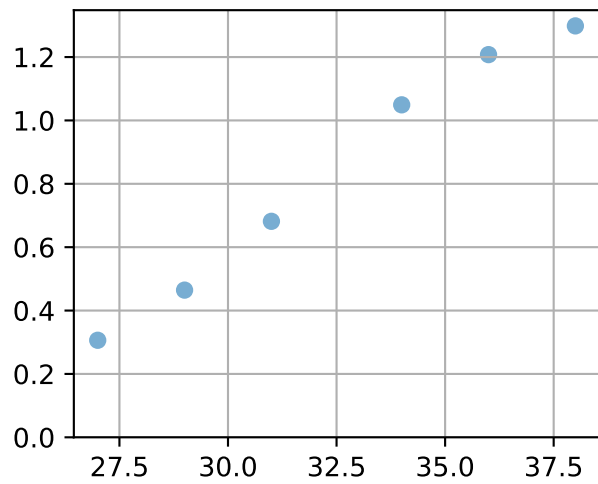
P6AW-087-14L10 (fit failed)



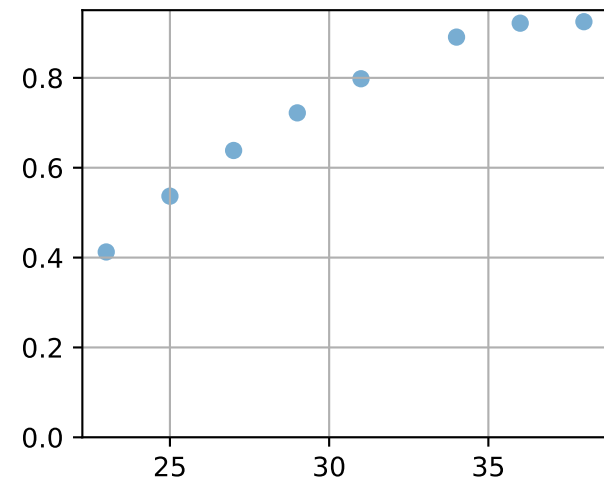
P6AW-087-14L7 (fit failed)



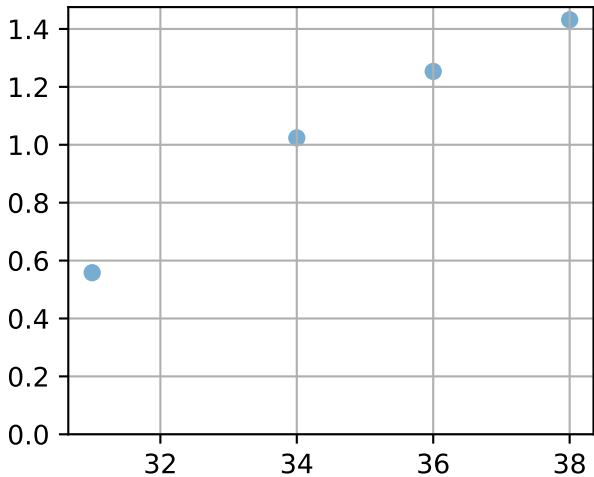
P6AW-095-29L10 (fit failed)



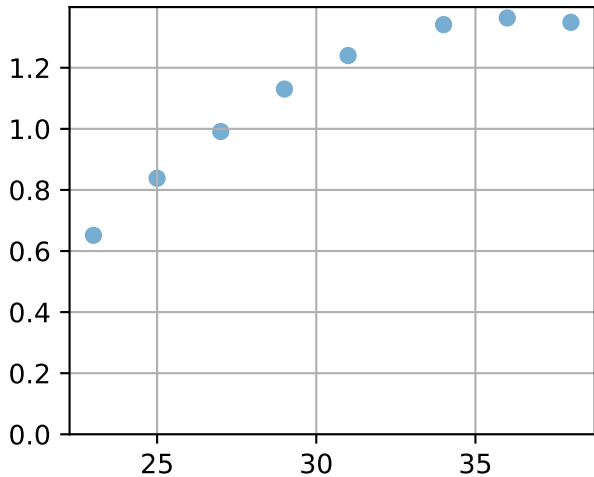
P6AW-095-29L7 (fit failed)



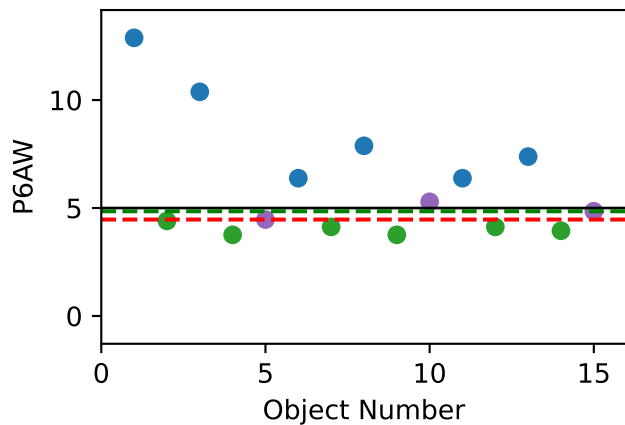
P6AW-106-11L10 (fit failed)



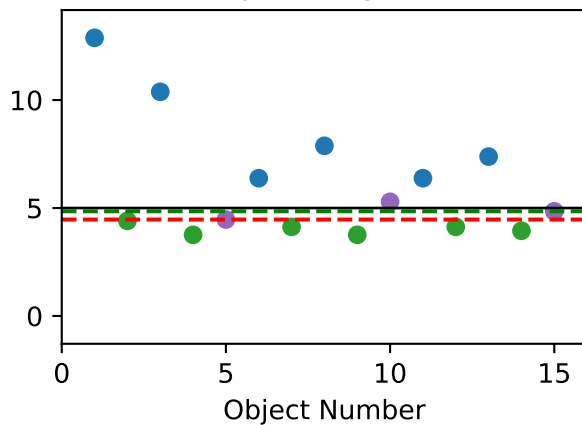
P6AW-106-11L7 (fit failed)



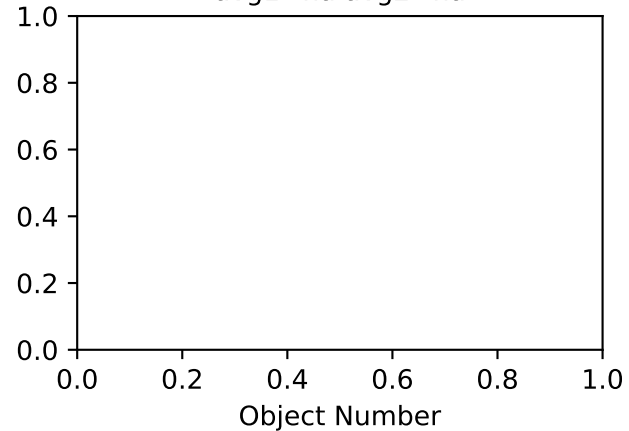
Fl\_dm (Def=5 Set=4.47)  
avg1=4.47~47% avg2=4.85~37%



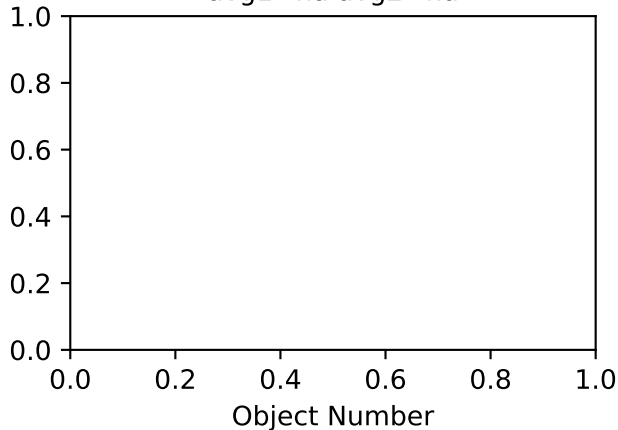
Fl\_de (Def=5 Set=4.47)  
avg1=4.47~47% avg2=4.85~37%



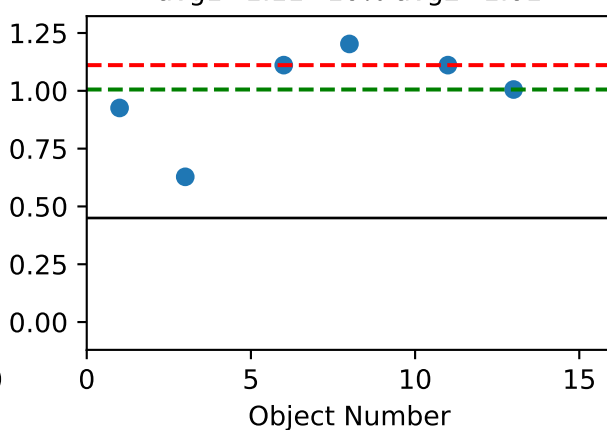
FrV\_dm (Def=18 Set=18)  
avg1=na avg2=na



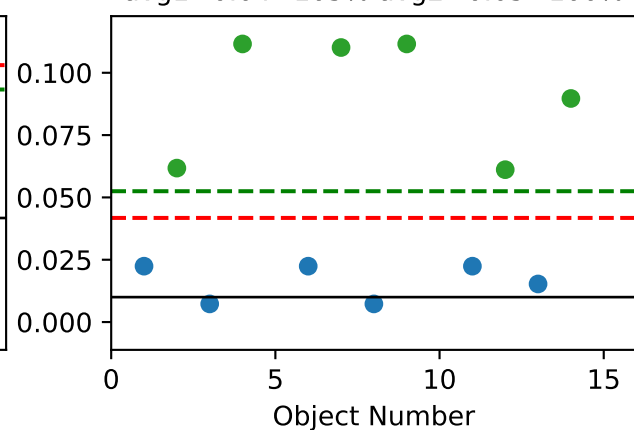
FrV\_de (Def=15 Set=15)  
avg1=na avg2=na



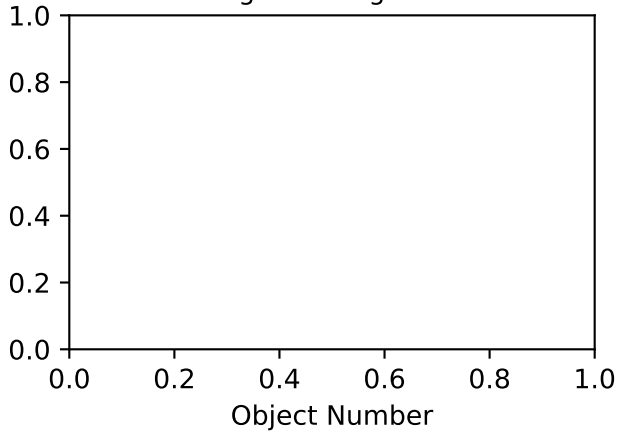
FrN\_a (Def=0.45 Set=1.11)  
avg1=1.11~10% avg2=1.01



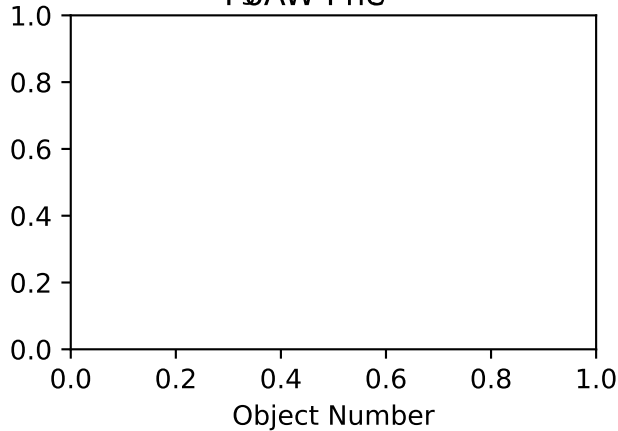
FSDdevStage (Def=0.01 Set=0.01)  
avg1=0.04~105% avg2=0.05~100%



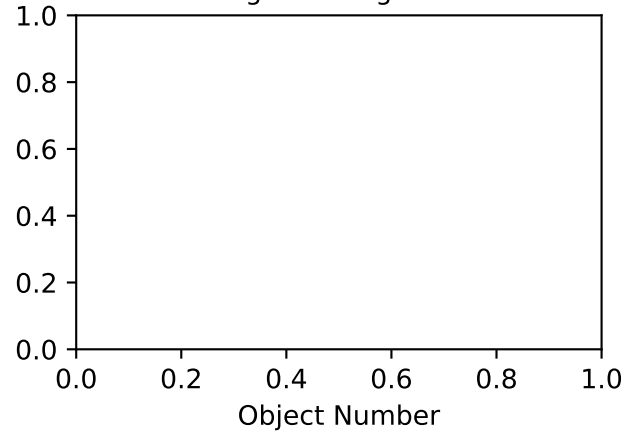
FGDdevStage (Def=0.7 Set=0.7)  
avg1=na avg2=na



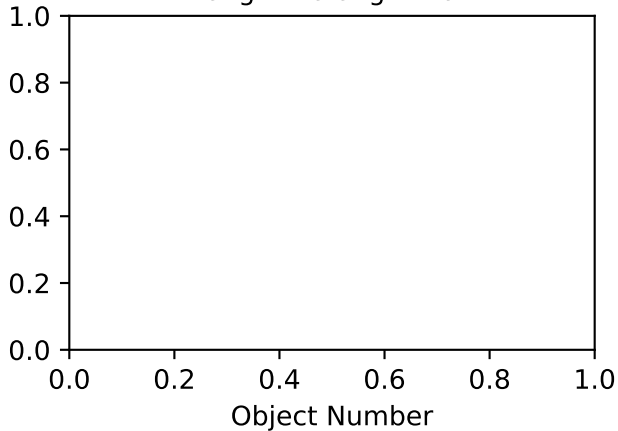
FMBDdevStage (Def=1.3 Set=1.3)  
avg1=na avg2=na



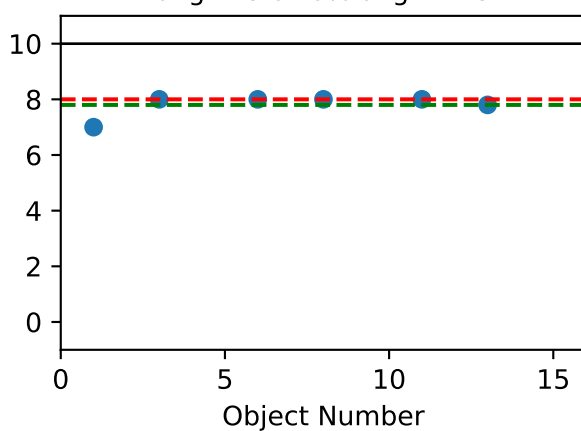
FMEDdevStage (Def=1.8 Set=1.8)  
avg1=na avg2=na



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

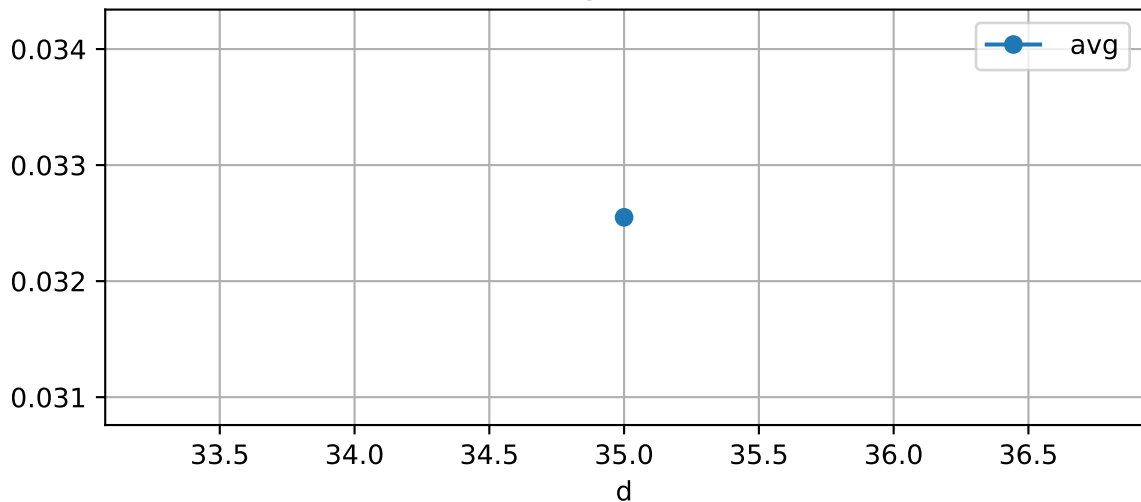


NNgen (Def=10 Set=8)  
avg1=8.0~0% avg2=7.8

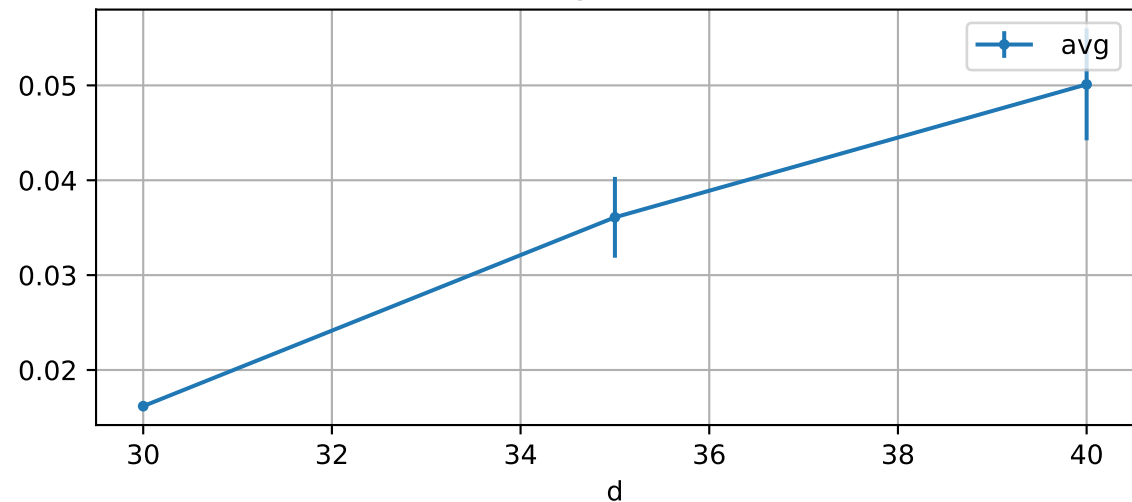


# LfA: avg vs. d at each age group

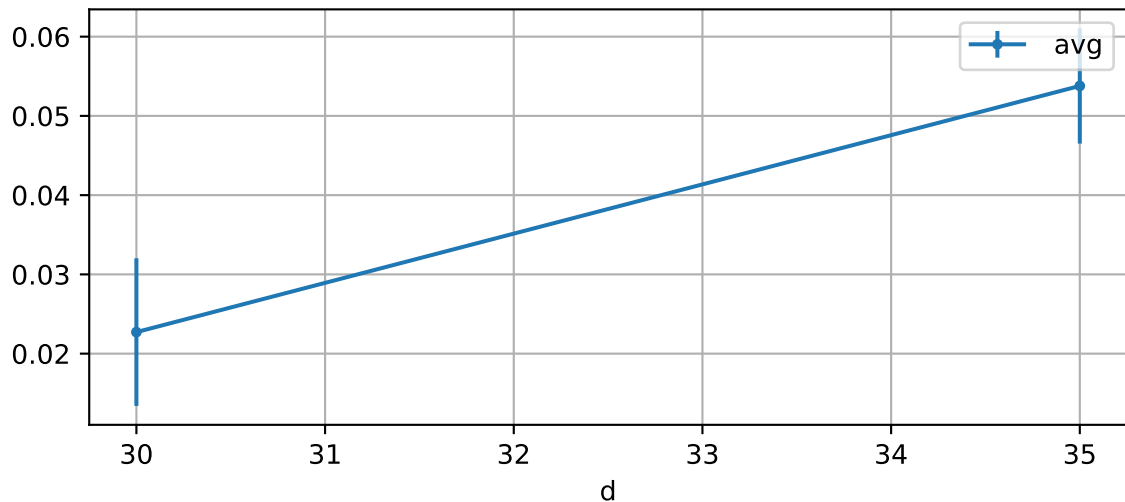
## age=15



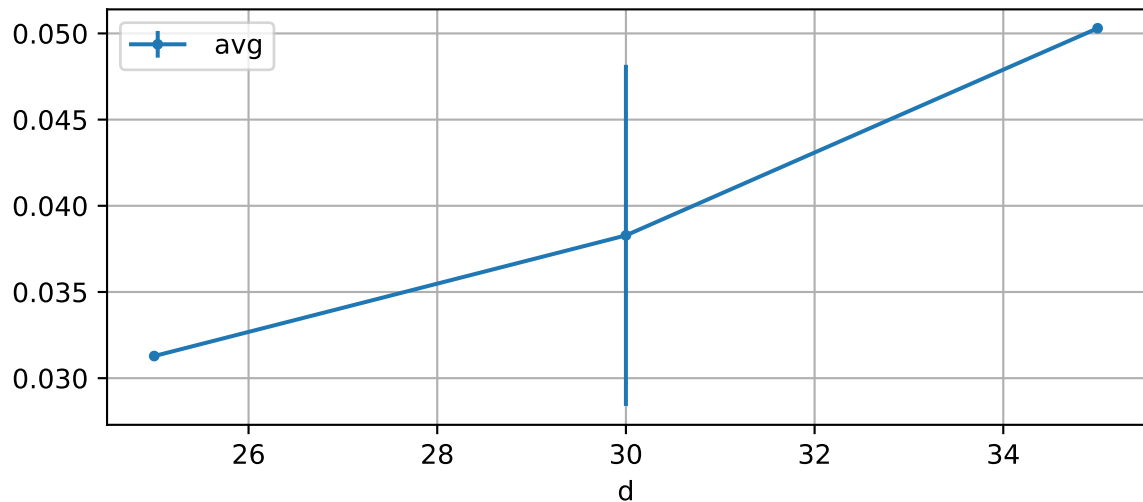
## age=20



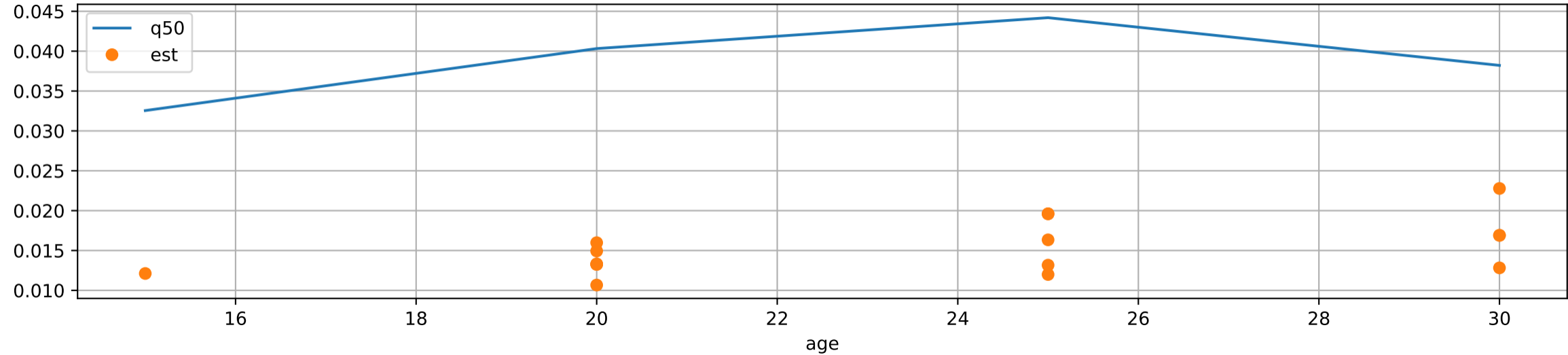
## age=25



## age=30

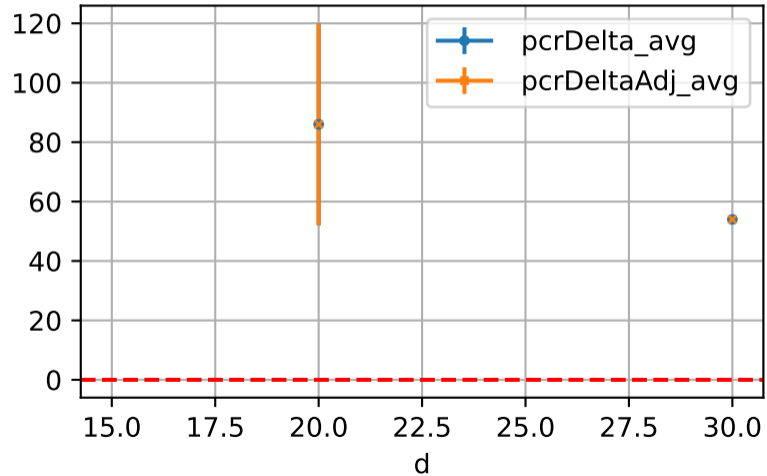


LfA: model est vs obsOv@Q50

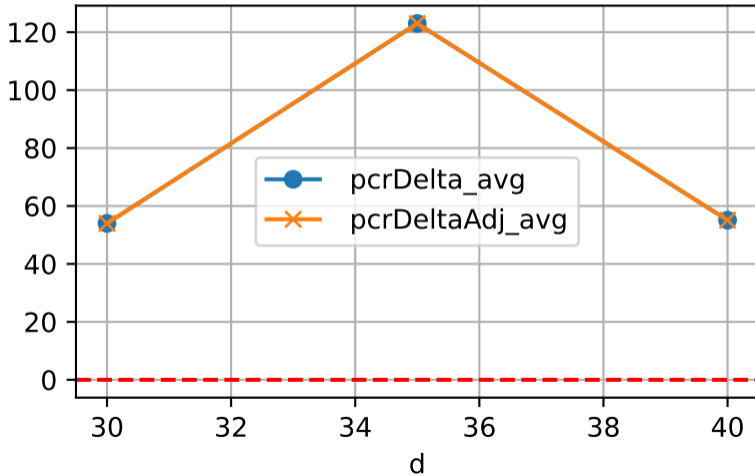


P6AW LfA: D\_5d\_LfA

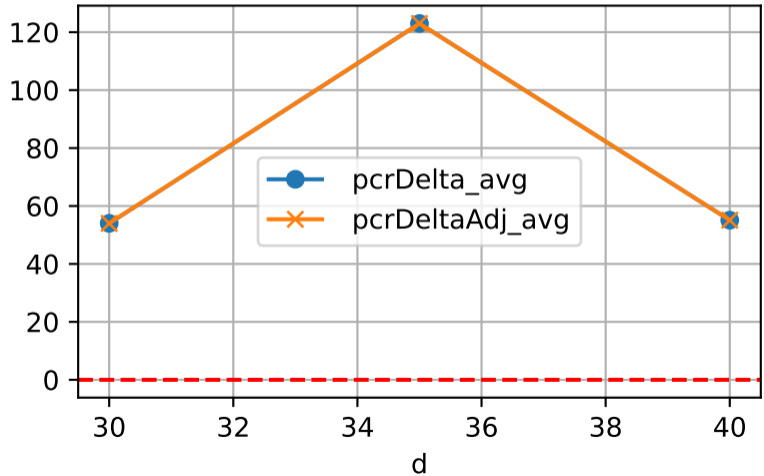
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



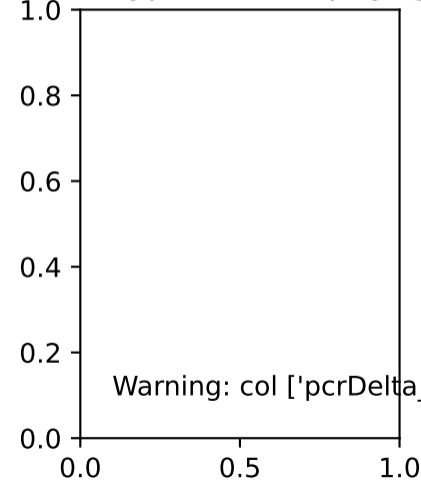
DeltaTypeAbbr=WeiAvgByD



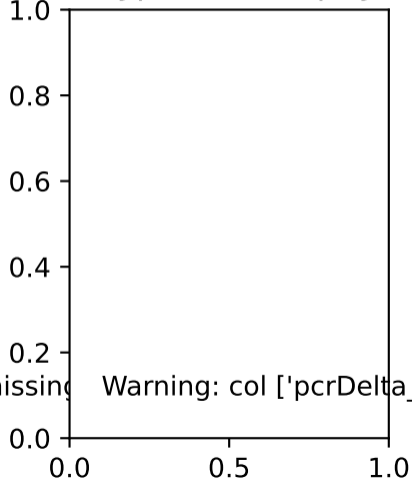


P6AW LfA: D\_15d\_LfA

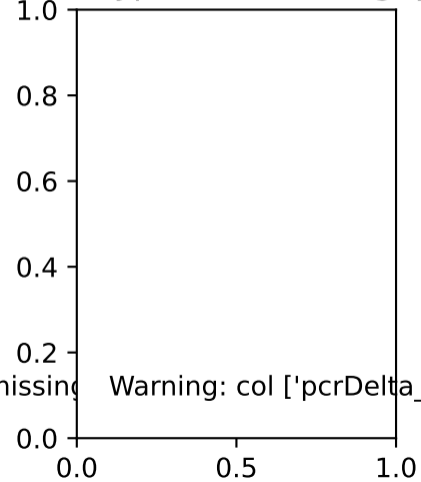
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

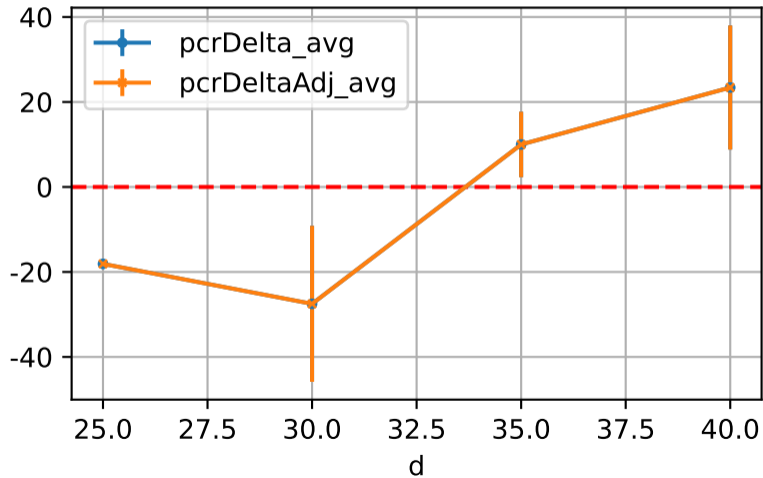


DeltaTypeAbbr=WeiAvgByD

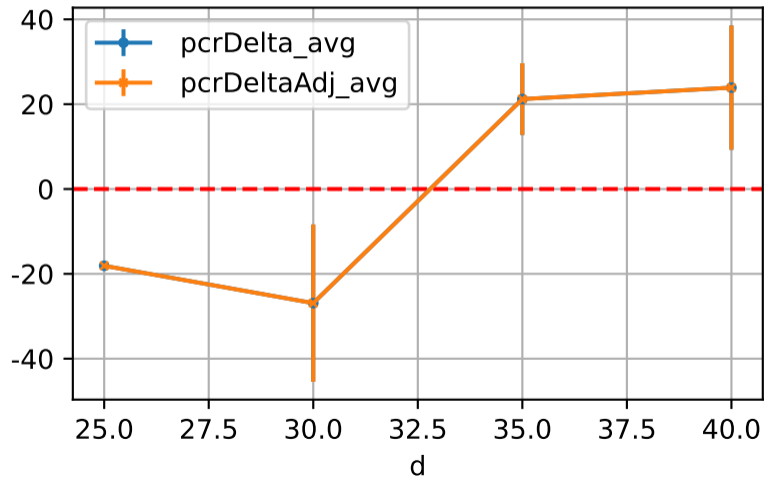


## P6AW LfA: D\_Q50\_LfA

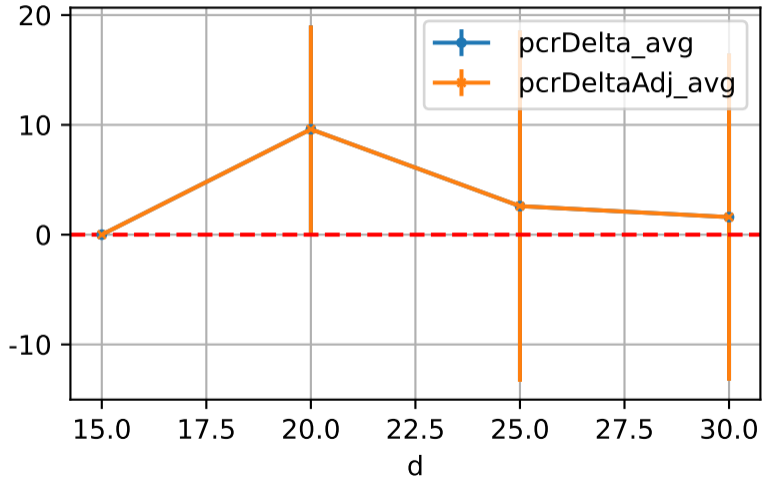
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

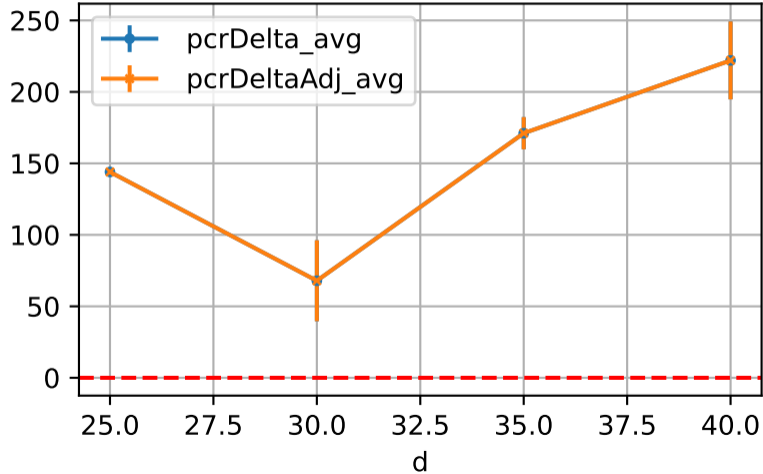


DeltaTypeAbbr=GrpByAge

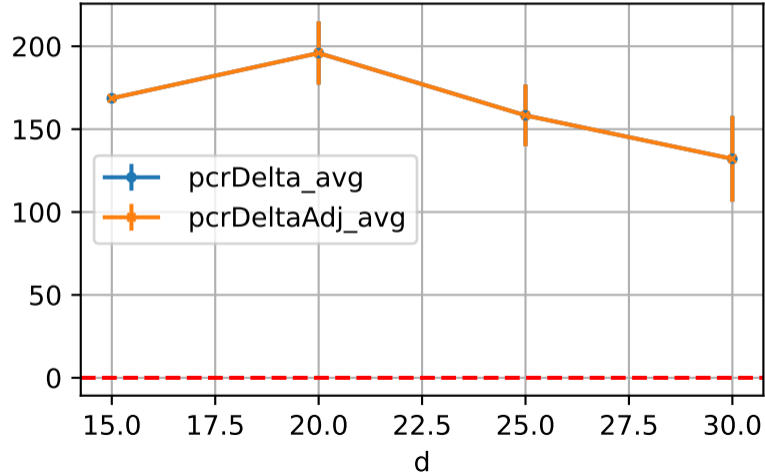


## P6AW LfA: D\_Est\_LfA

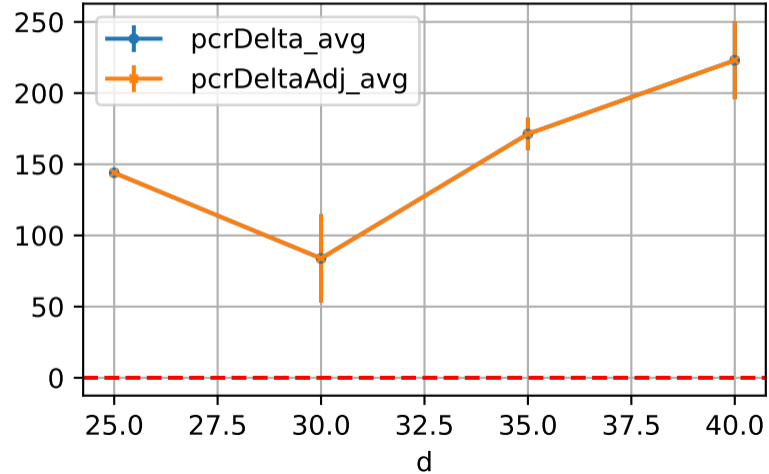
DeltaTypeAbbr=GrpByDay



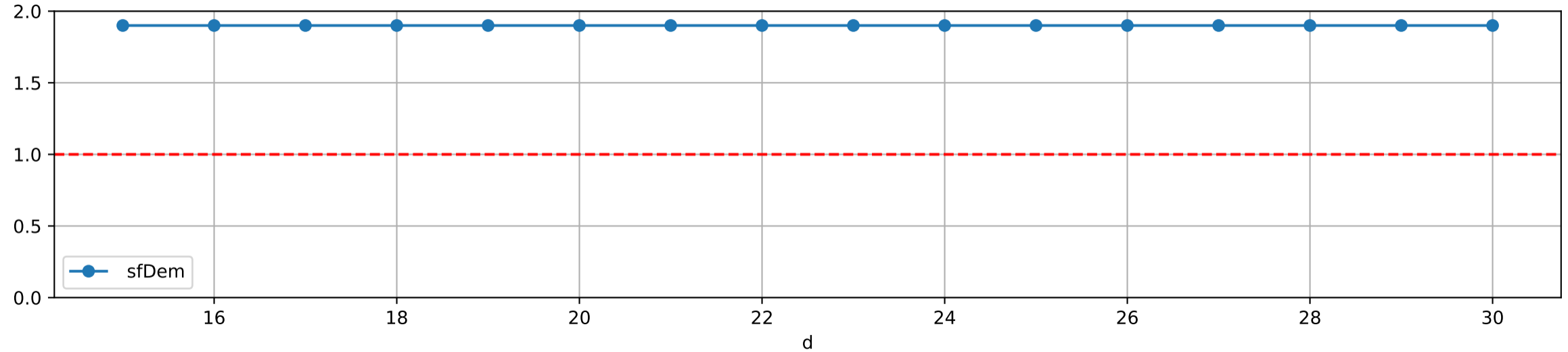
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=WeiAvgByD



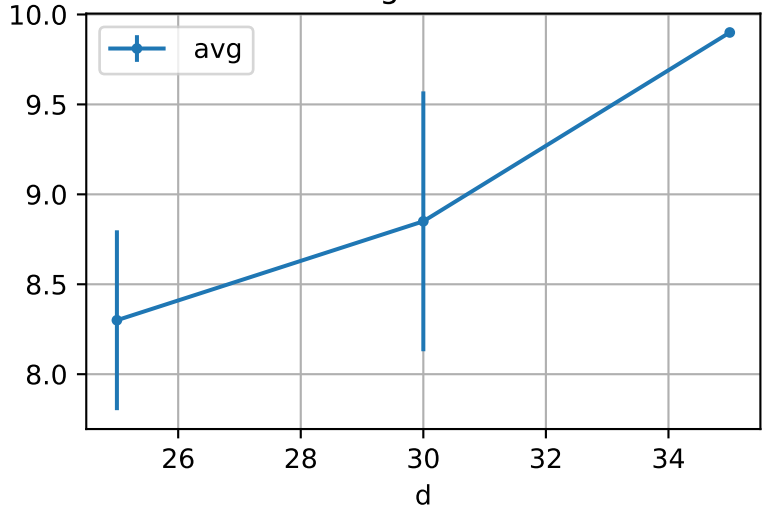
LfA: sfDem



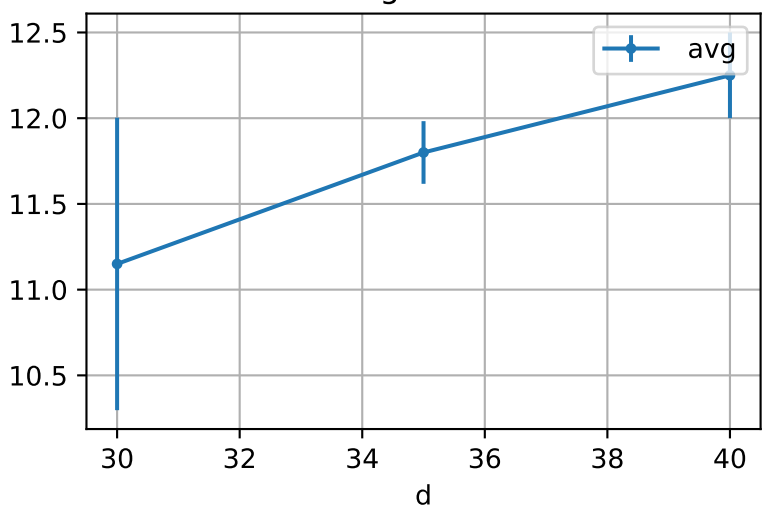


# NdD: avg vs. d at each age group

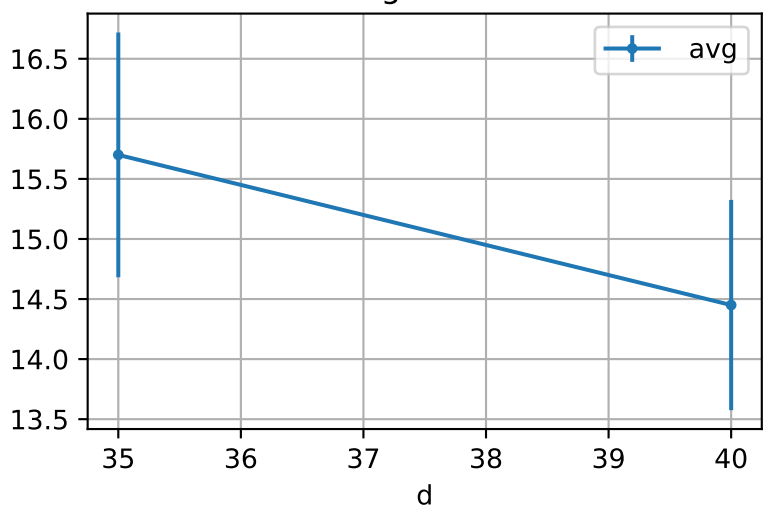
## age=15



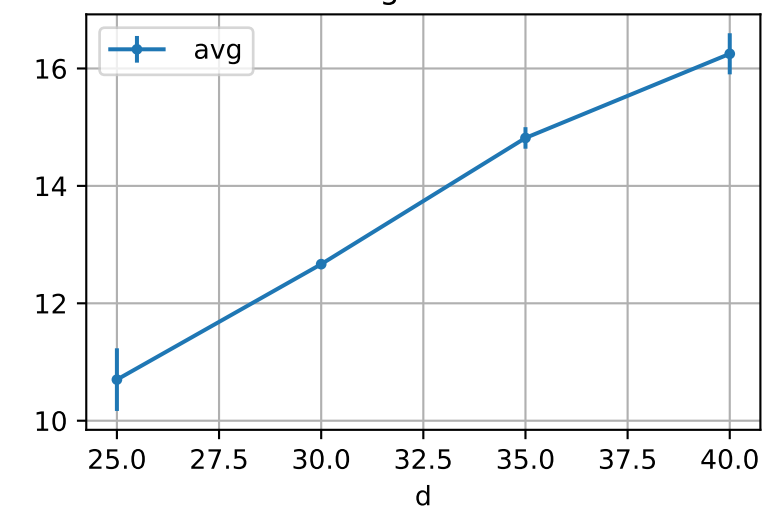
## age=20



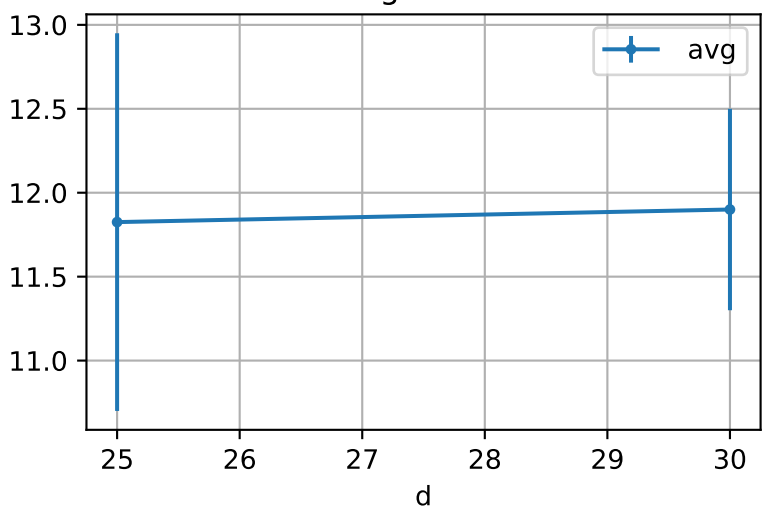
## age=25



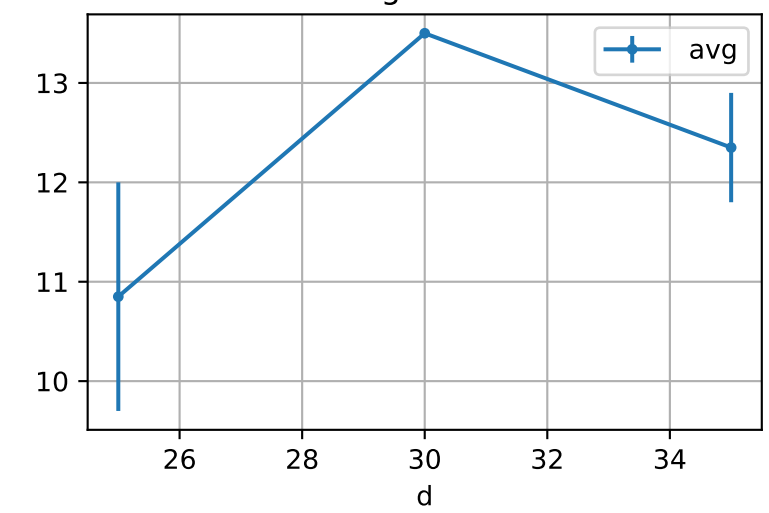
## age=30



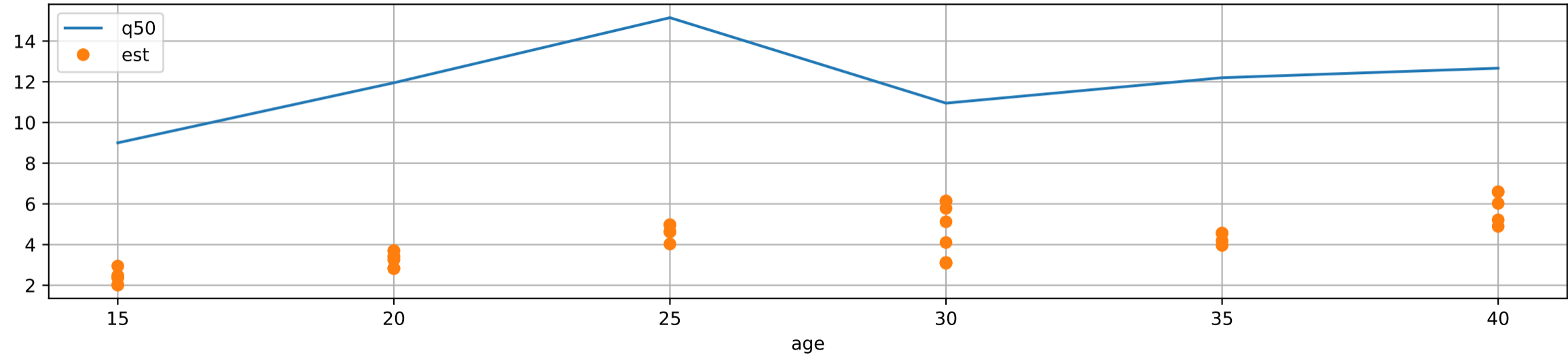
## age=35



## age=40

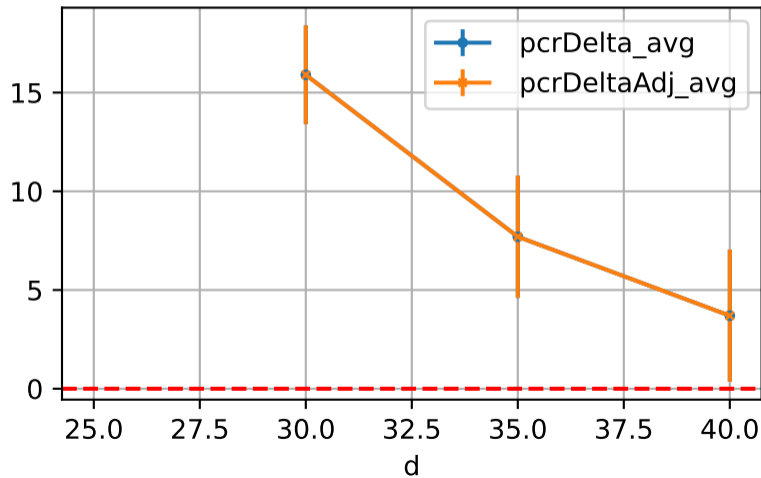


NdD: model est vs obsOv@Q50

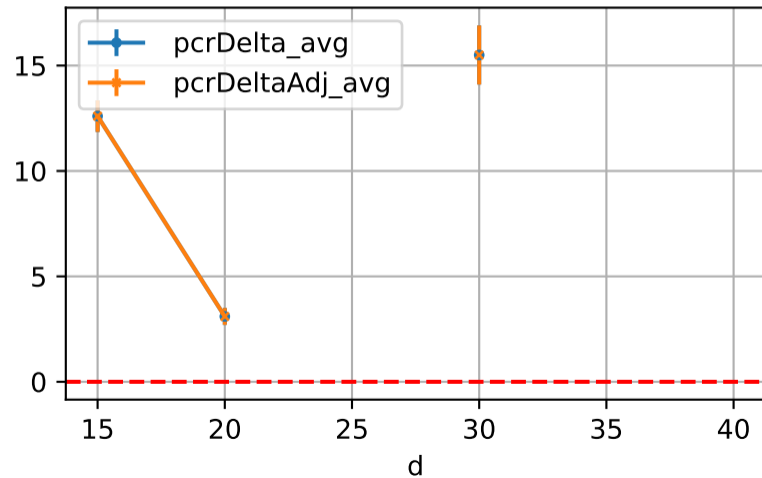


P6AW NdD: D\_5d\_NdD

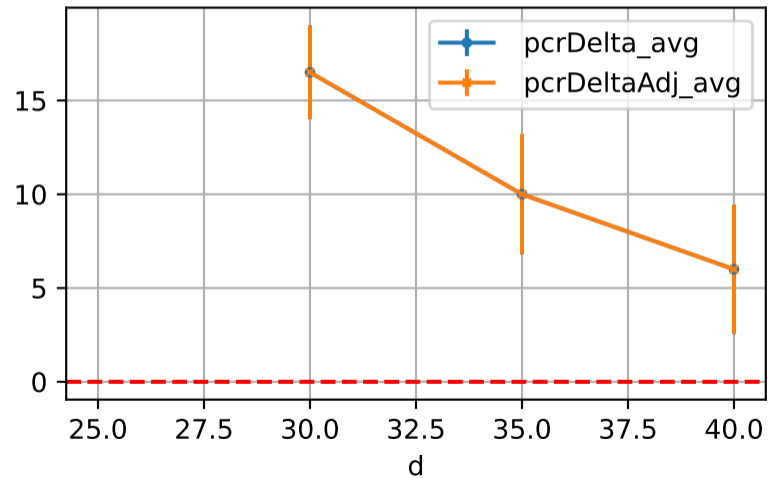
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge



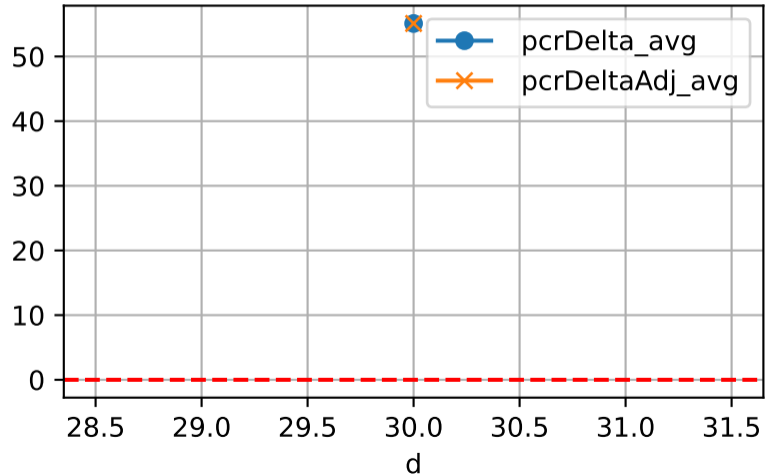
DeltaTypeAbbr=WeiAvgByD



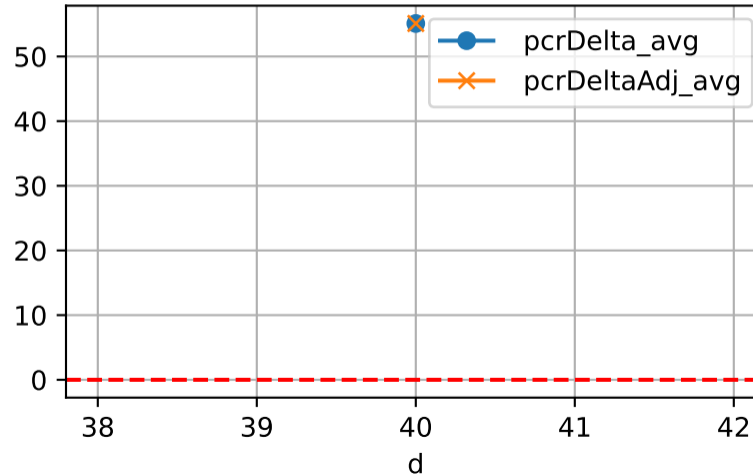


## P6AW NdD: D\_15d\_NdD

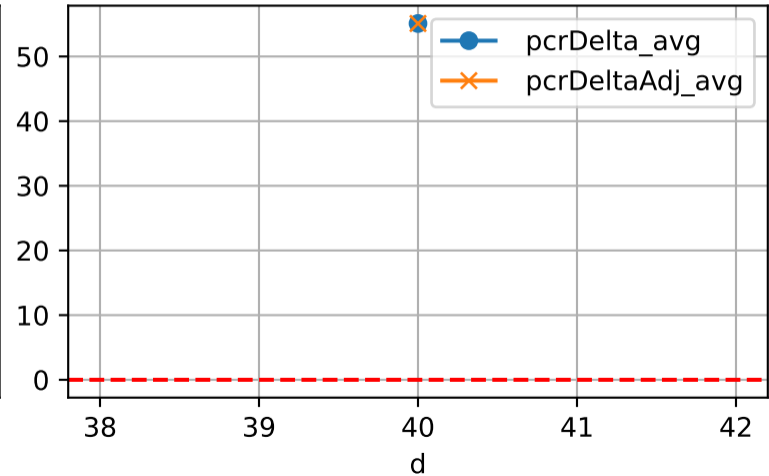
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

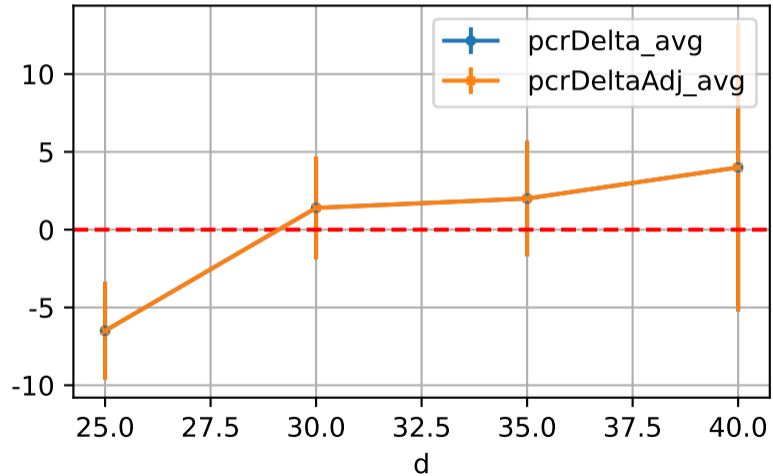
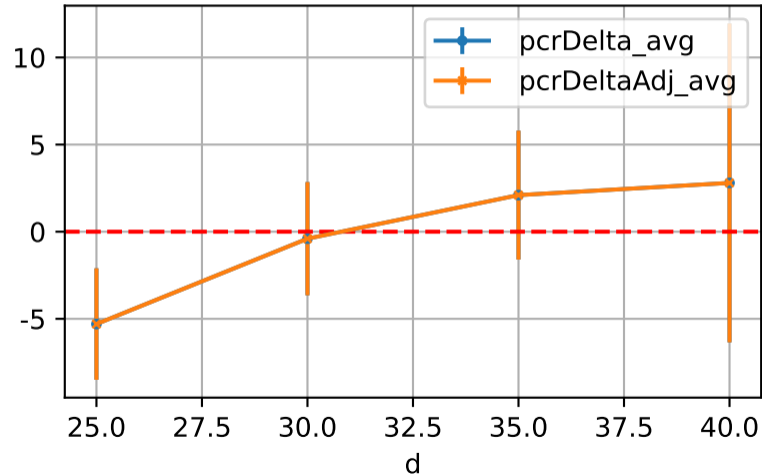
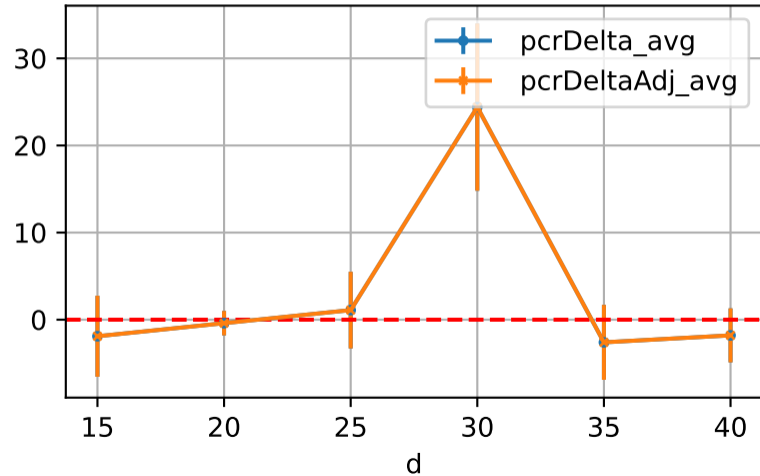


P6AW NdD: D\_Q50\_NdD

DeltaTypeAbbr=GrpByAge

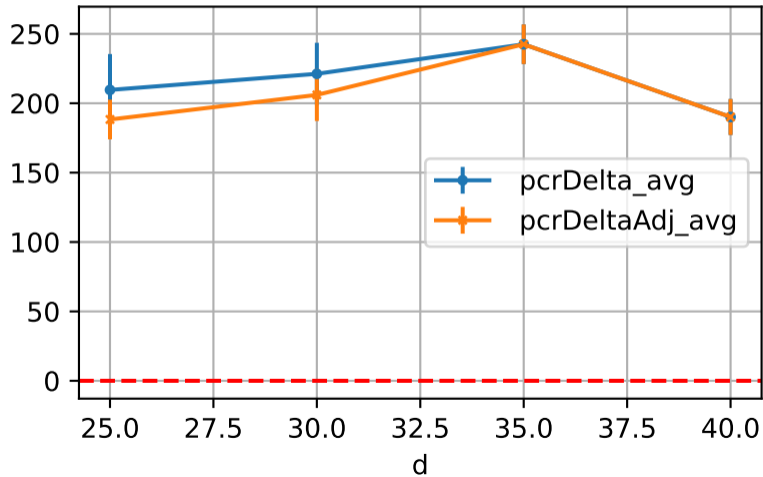
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

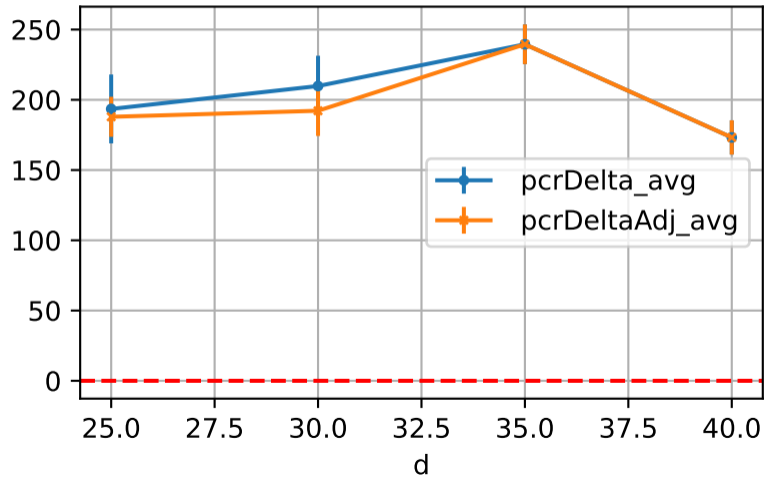


## P6AW NdD: D\_Est\_NdD

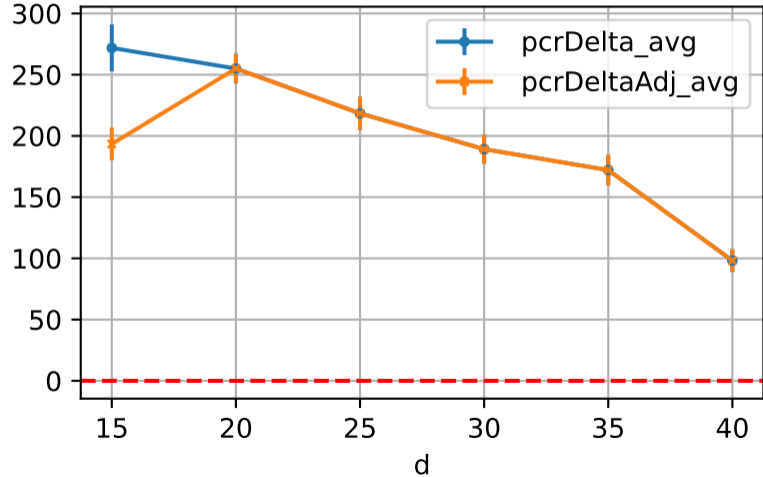
DeltaTypeAbbr=GrpByDay



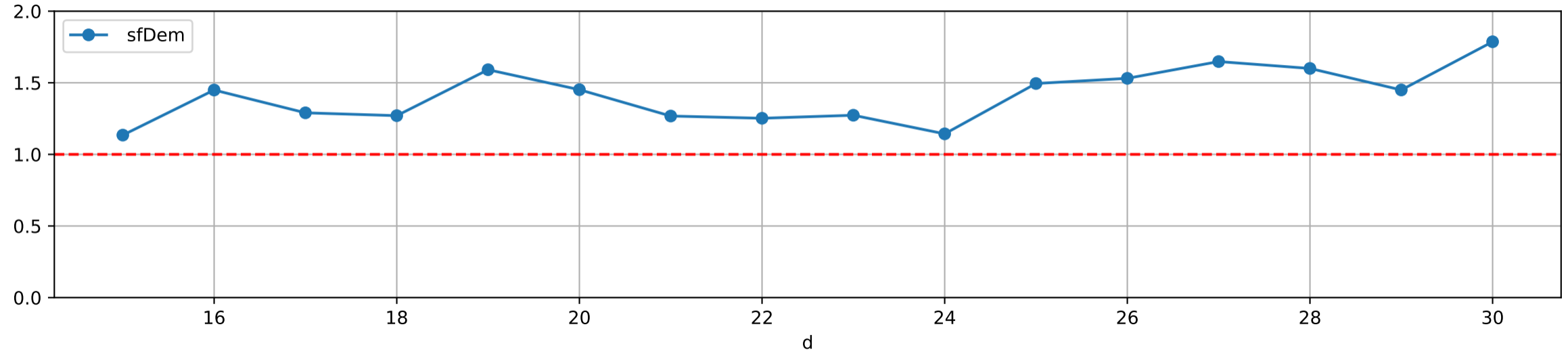
DeltaTypeAbbr=WeiAvgByD



DeltaTypeAbbr=GrpByAge

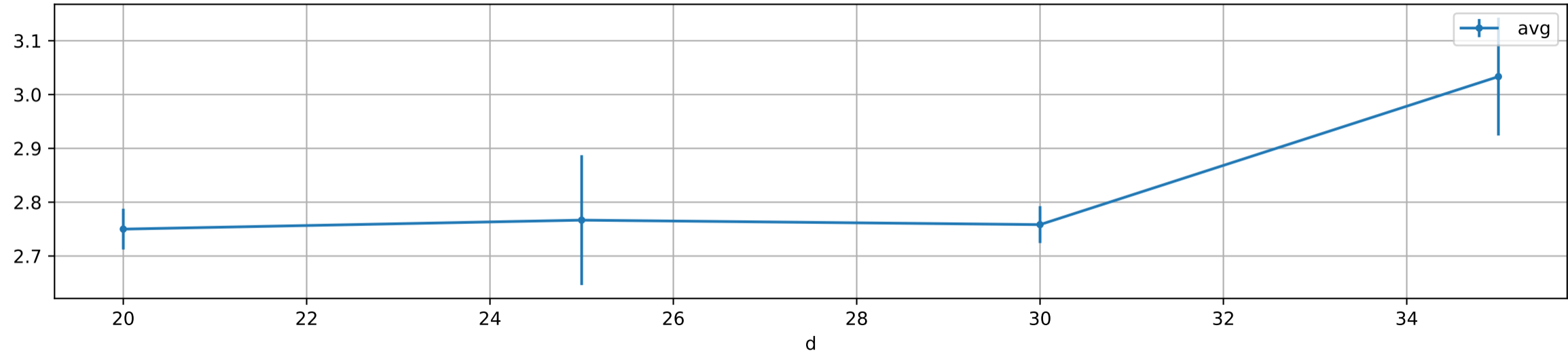


NdD: sfDem

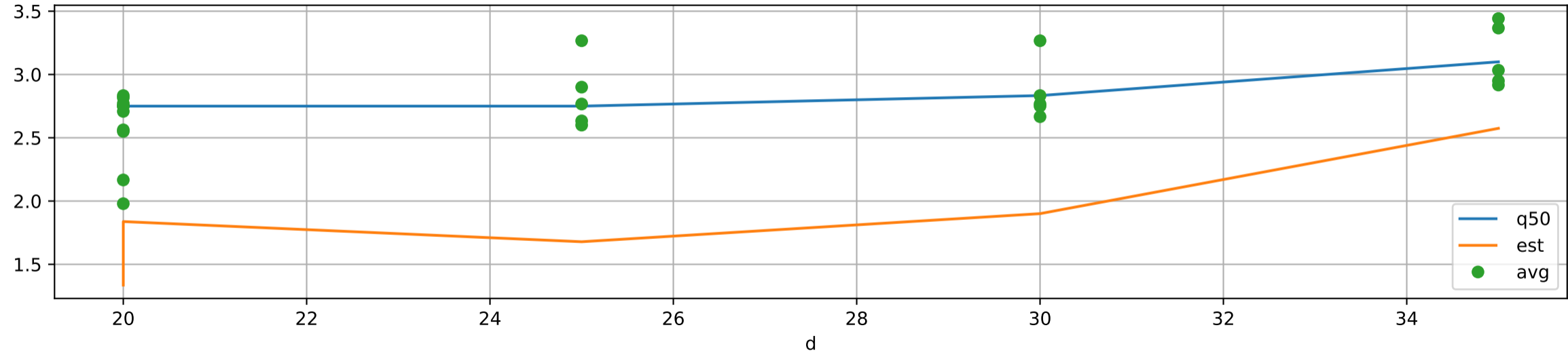




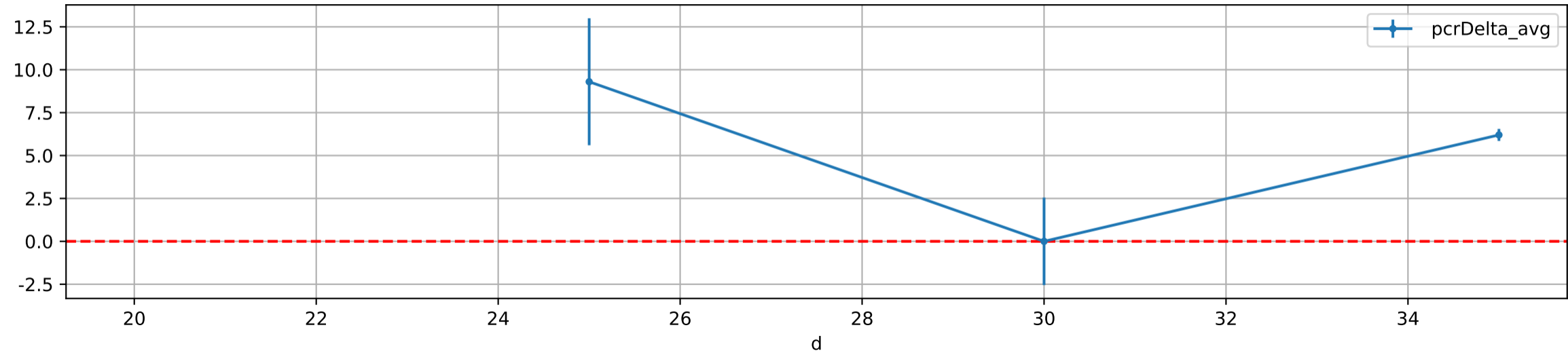
dStH: avg vs. d



dStH: obsAvg vs obsOv@Q50

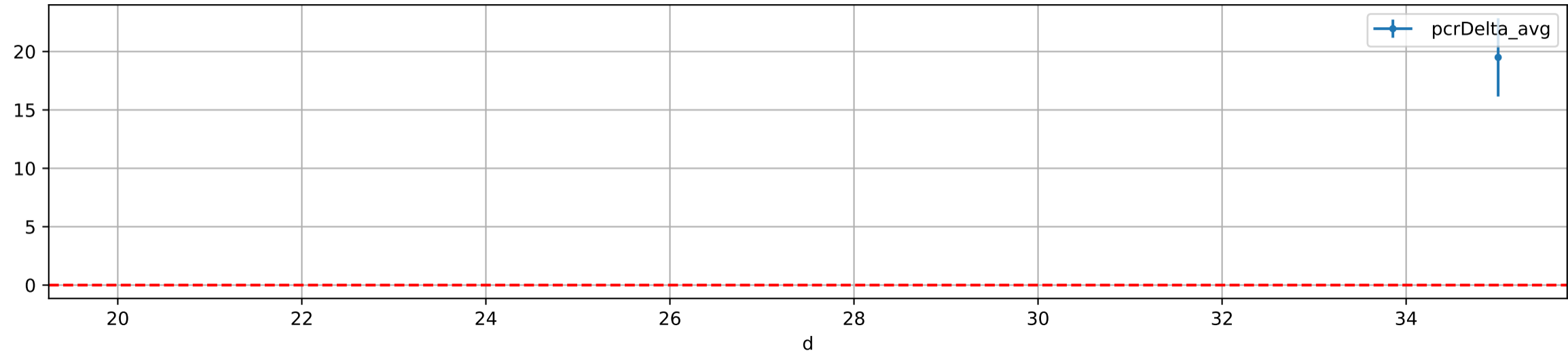


dStH: D\_5d\_StH

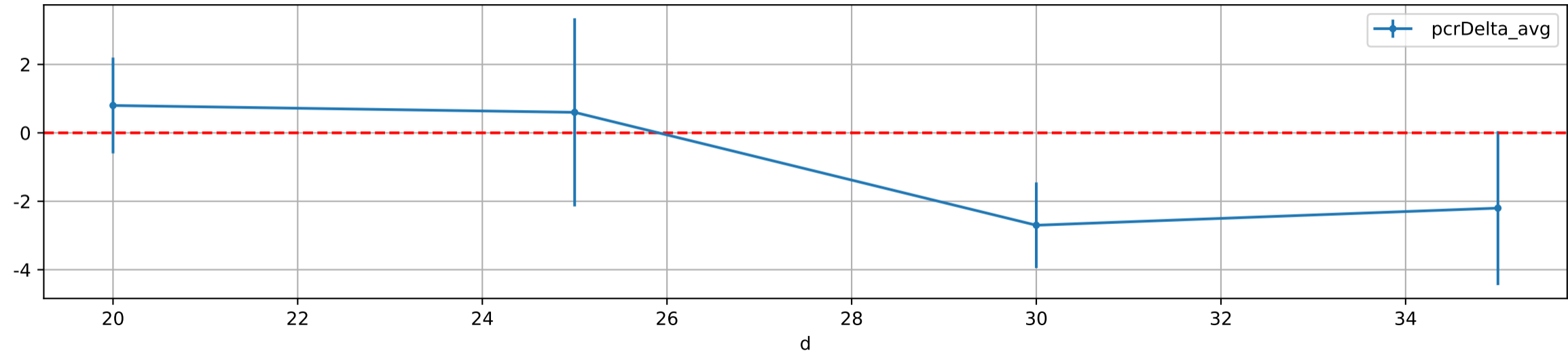




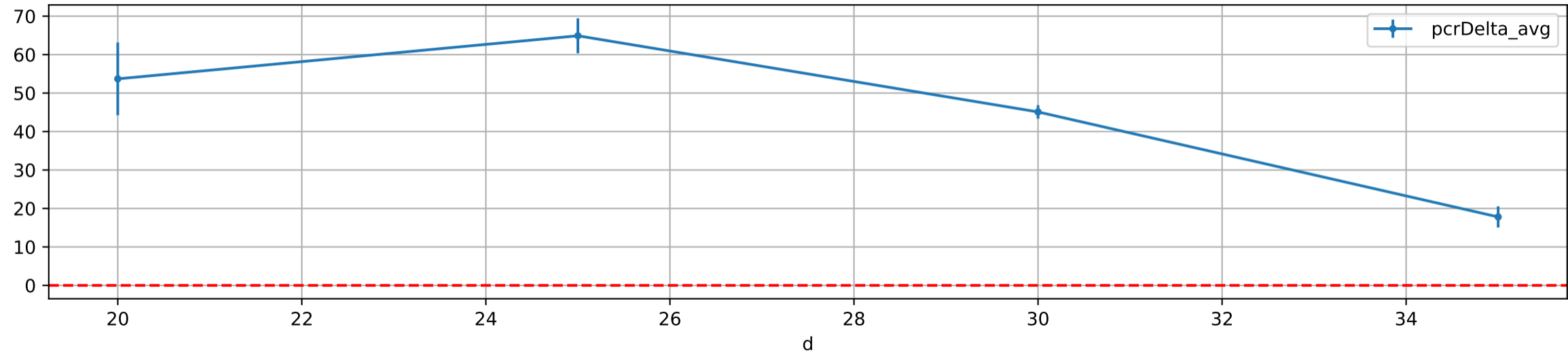
dStH: D\_15d\_StH



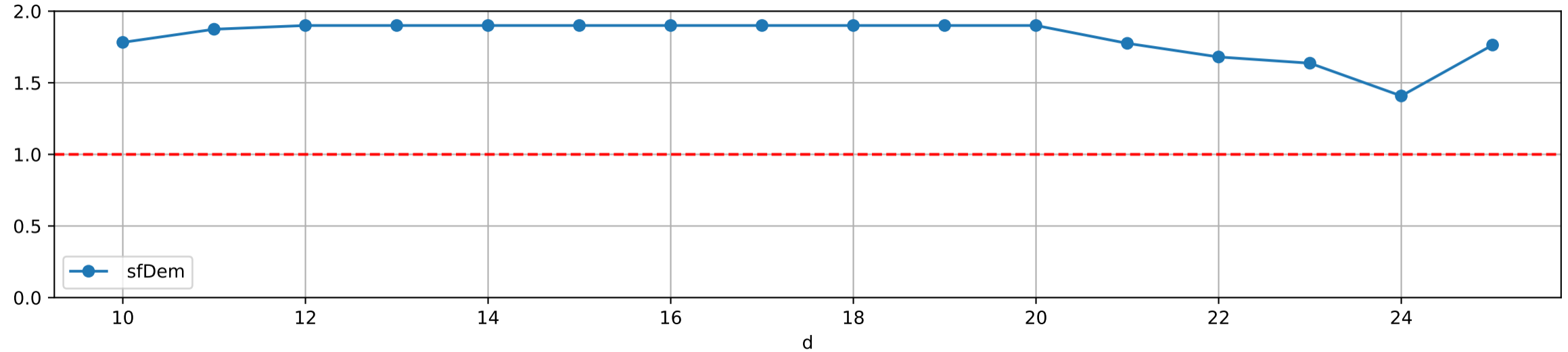
dStH: D\_Q50\_StH

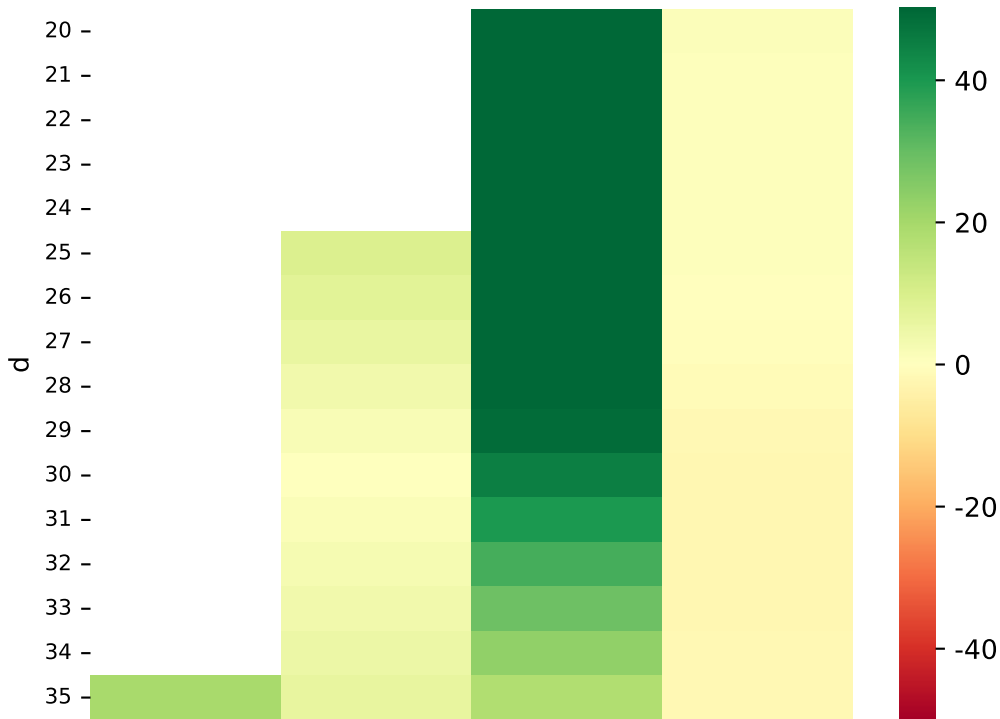


dStH: D\_Est\_StH

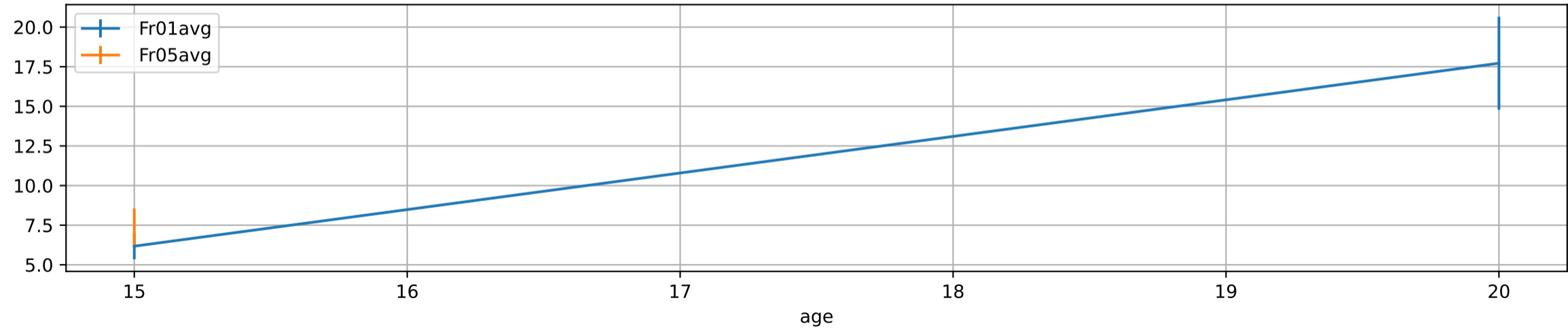


dStH: sfDem



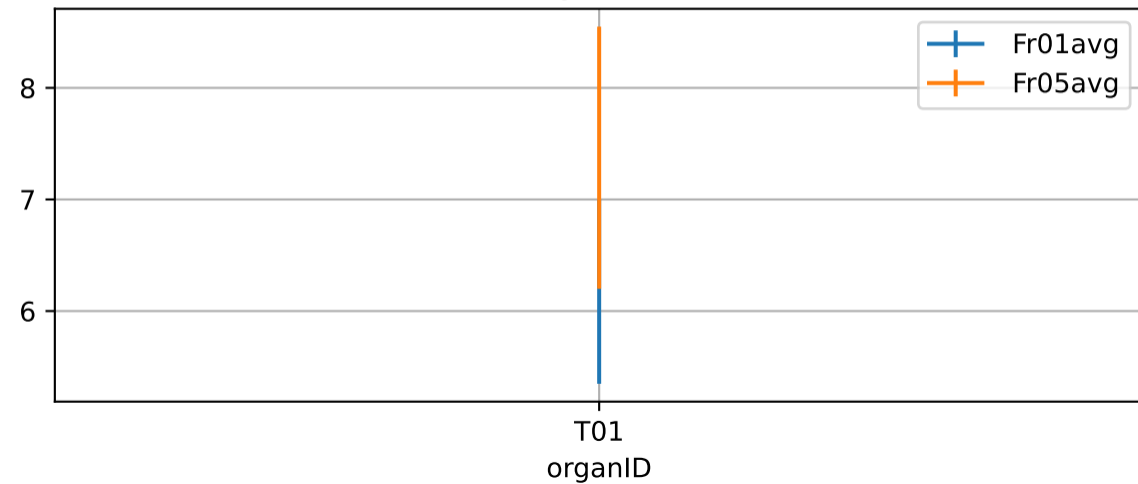


FrV: Fr01 vs Fr05 at each truss  
organID=T01

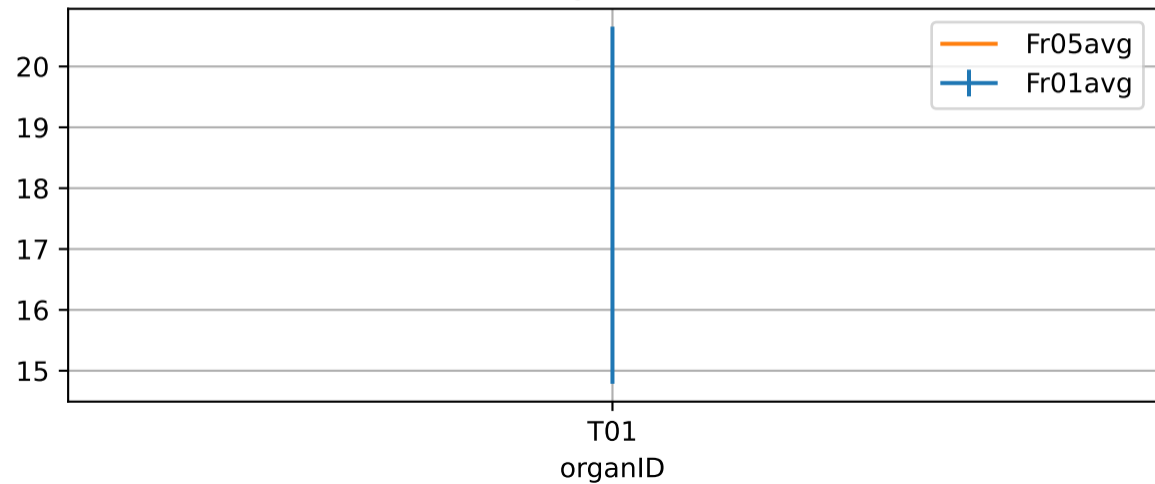


# FrV trend at each age

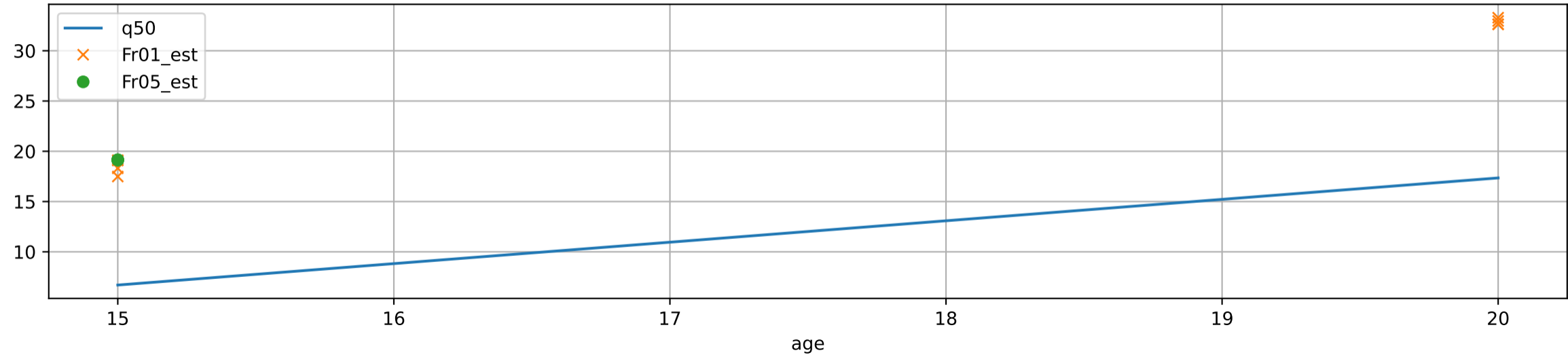
age=15



age=20

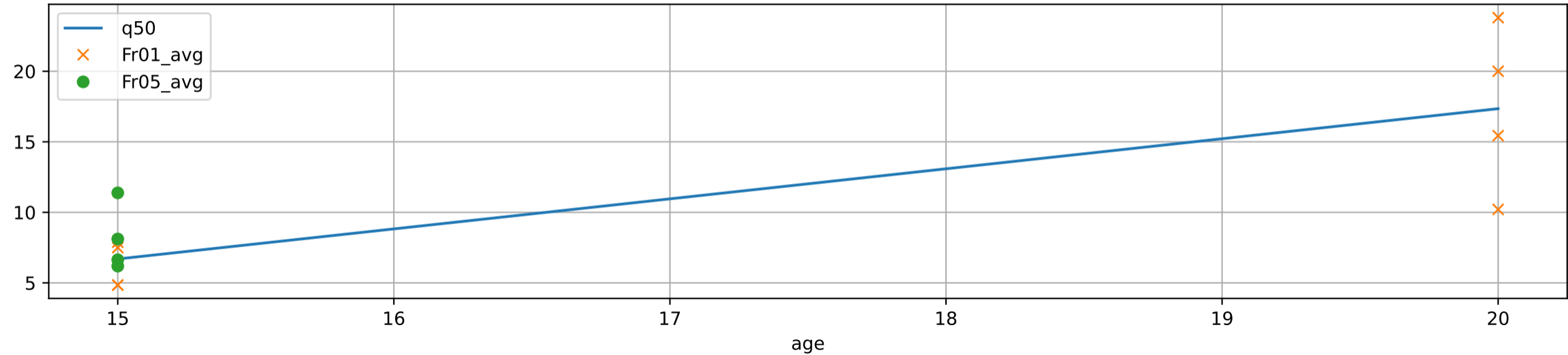


FrV: model Est vs obsFrV at Q90

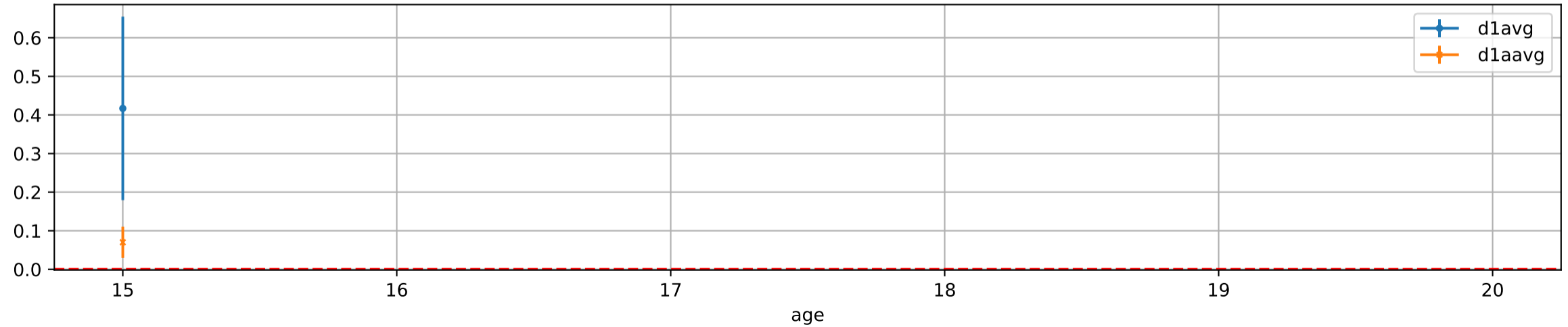




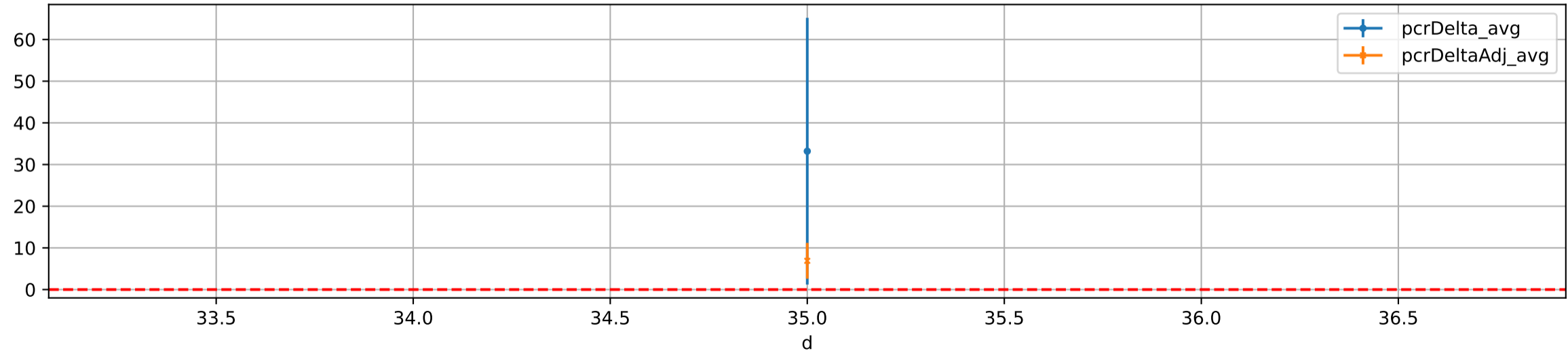
FrV: obsFrV vs obsFrV@Q90



FrV: D\_Fr1\_FrV  
organID=1

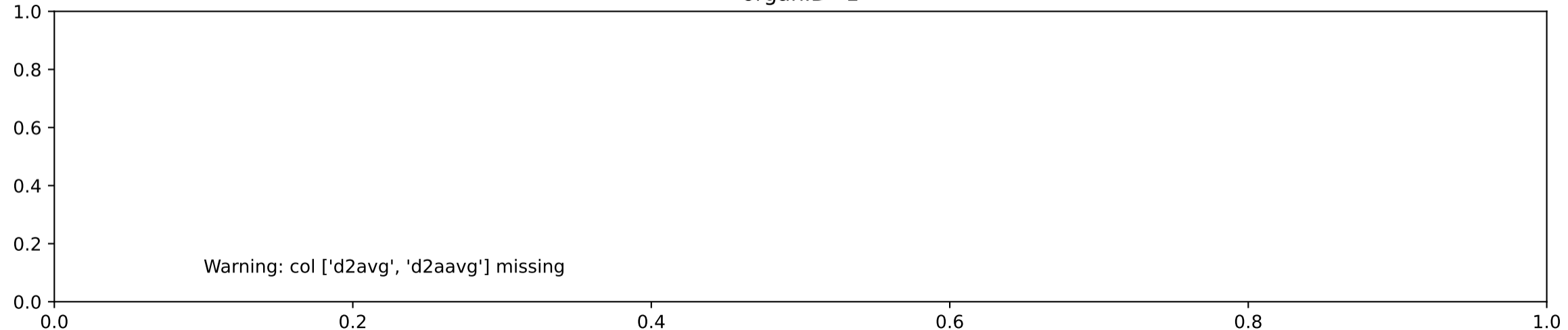


P6AW FrV: D\_Fr1\_FrV

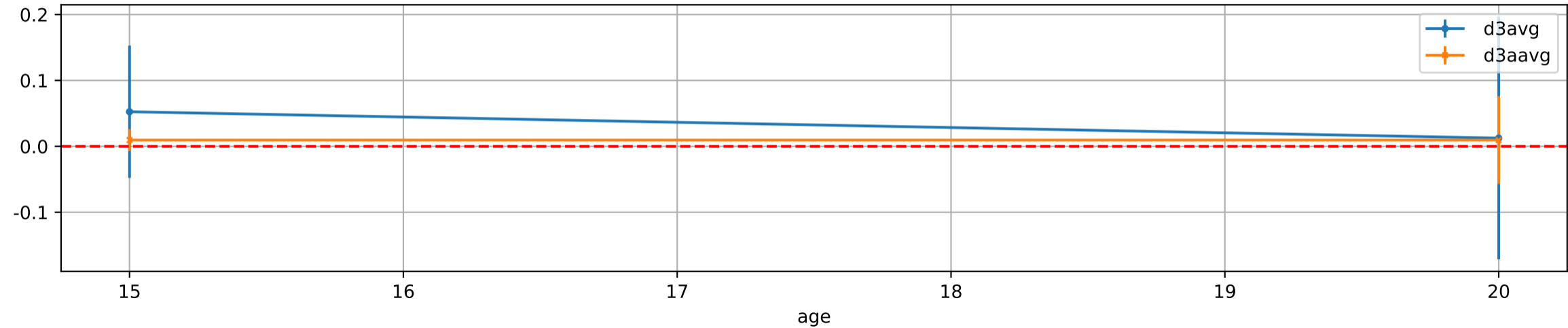


FrV: D\_Ts\_FrV  
organID=1

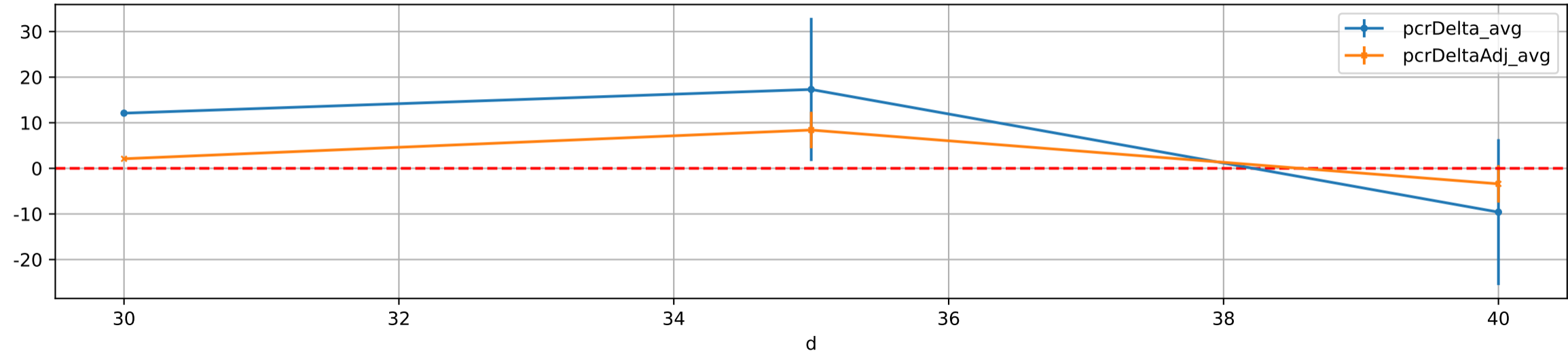
Warning: col ['d2avg', 'd2aavg'] missing



FrV: D\_Q50\_FrV  
organID=1



P6AW FrV: D\_Q50\_FrV



FrV: D\_Est\_FrV  
organID=1

