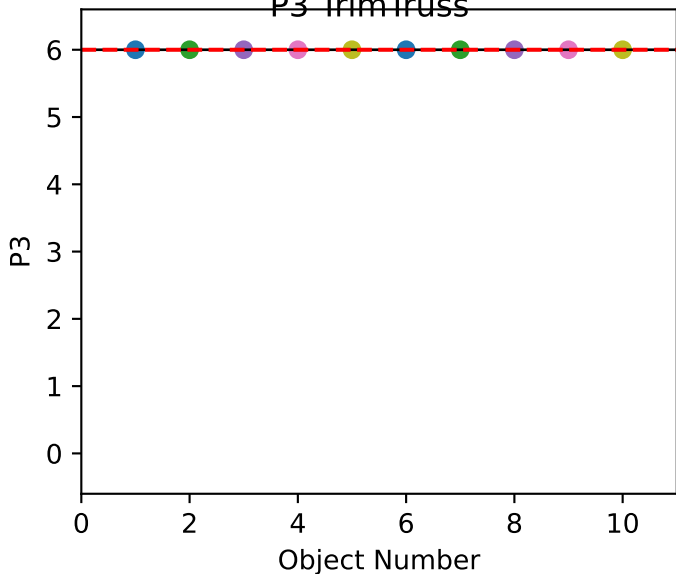


Phenotype Data Analysis Plots
PhenoData day range = 5 - 39
Analysis cutoff day = 39
NC11 P3
2025-05-15 (Day 40)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

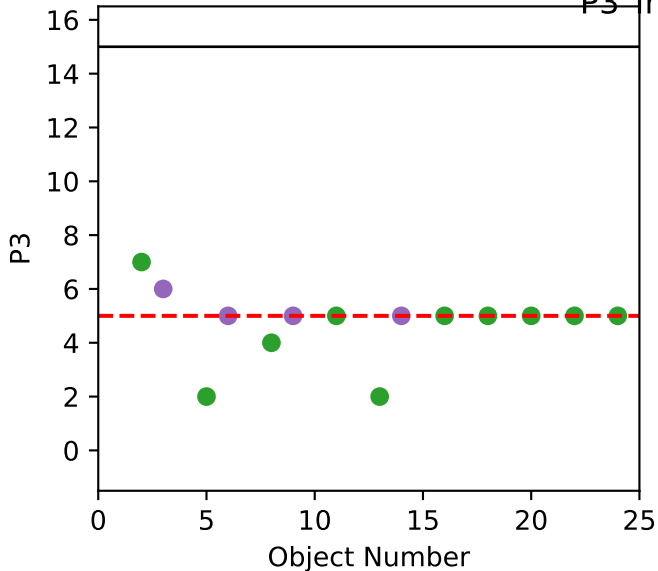
p3 Trim Truss



FruitNumAvgPerTruss (Def=15 Set=5)

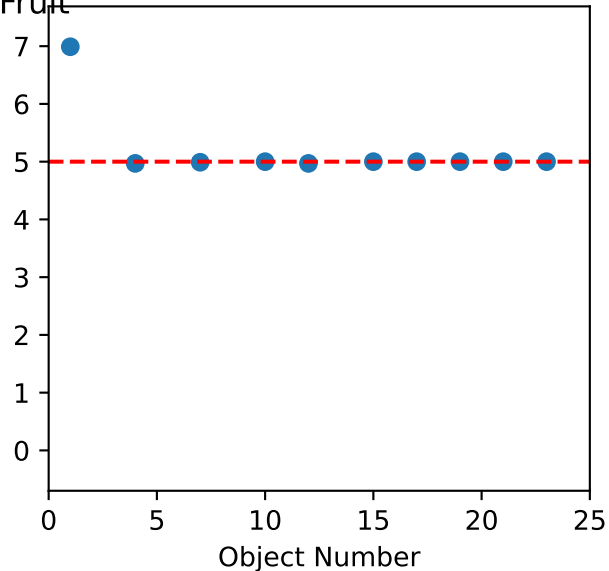
avg1=5.0~0% avg2=na

P3 TrimFruit

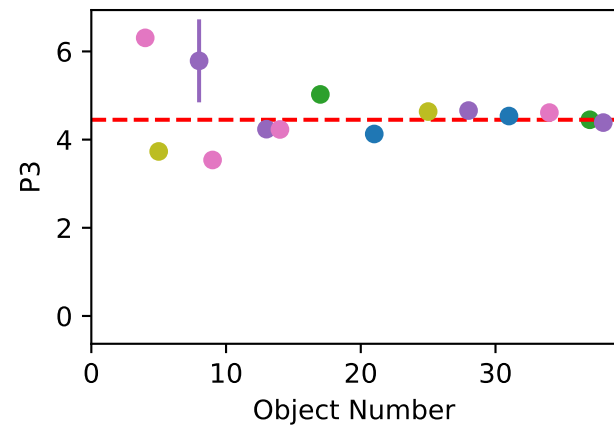


FruitNumMaxPerTruss (Def=na Set=5)

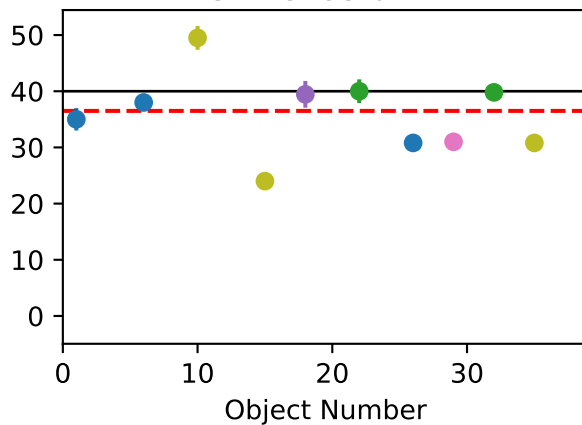
avg1=5.0~0% avg2=na



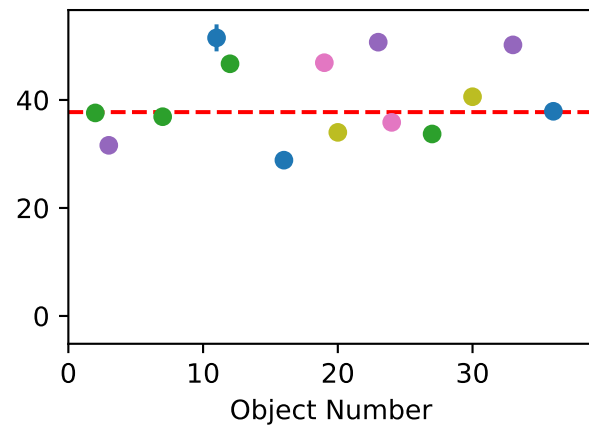
NdL_avgAbsY (Def=na Set=4.45)
avg1=4.45~8% avg2=na



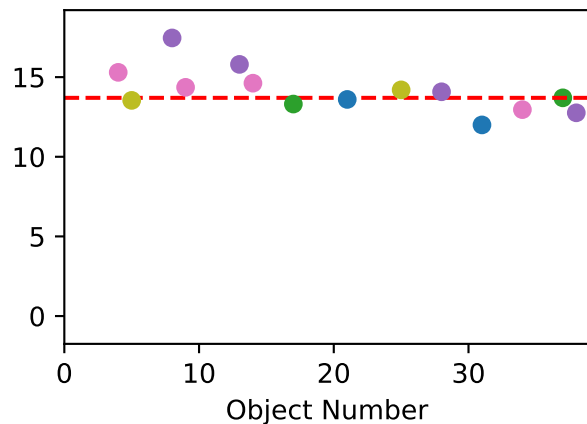
LfL_Q90AbsY (Def=40 Set=36.5)
avg1=36.5~19% avg2=na



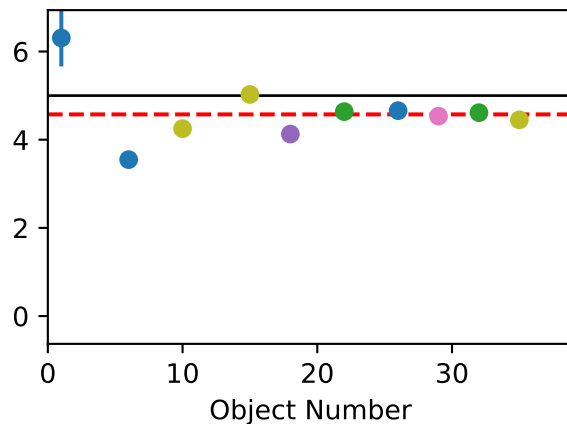
LfW_avgAbsY (Def=na Set=37.75)
avg1=37.75~20% avg2=na



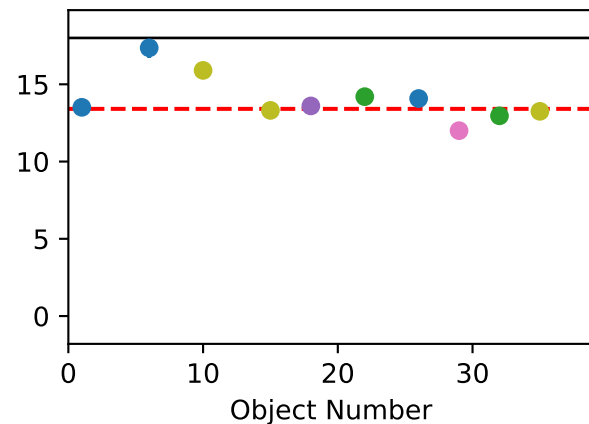
NdD_avgAbsY (Def=na Set=13.7)
avg1=13.7~8% avg2=na



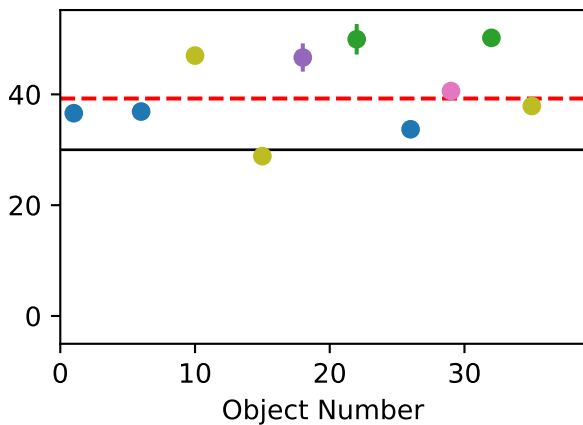
NdL_Q90AbsY (Def=5 Set=4.57)
avg1=4.57~6% avg2=na



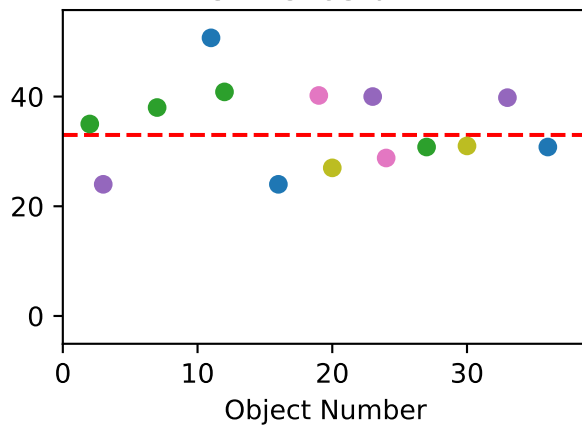
NdD_Q90AbsY (Def=18 Set=13.41)
avg1=13.41~5% avg2=na



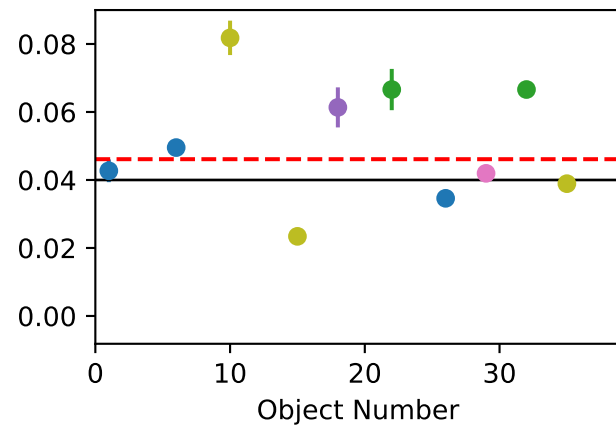
LfW_Q90AbsY (Def=30 Set=39.25)
avg1=39.25~19% avg2=na



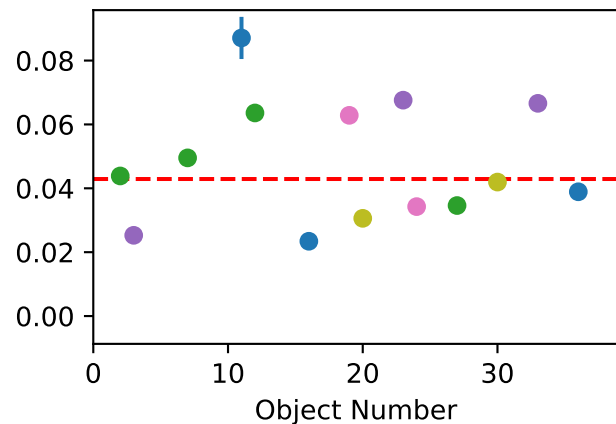
LfL_avgAbsY (Def=na Set=33.0)
avg1=33.0~23% avg2=na



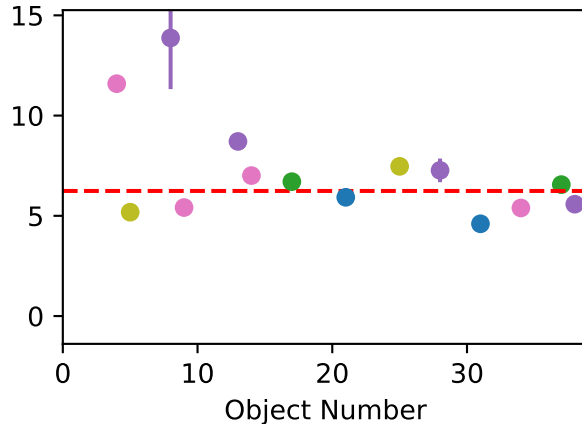
LfA_Q90AbsY (Def=0.04 Set=0.05)
avg1=0.05~39% avg2=na



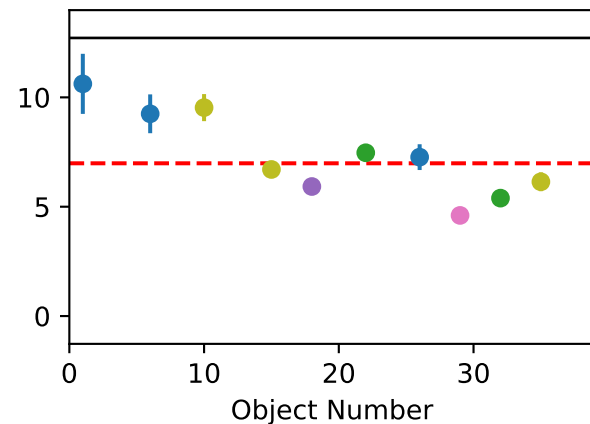
LfA_avgAbsY (Def=na Set=0.04)
avg1=0.04~44% avg2=na



NdV_avgAbsY (Def=na Set=6.24)
avg1=6.24~19% avg2=na

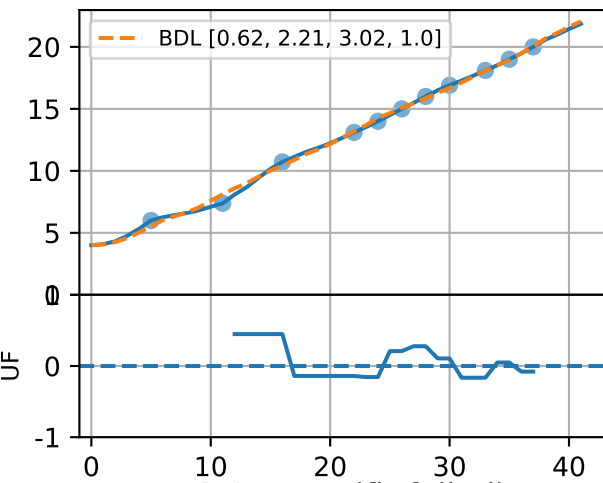


NdV_Q90AbsY (Def=12.72 Set=6.99)
avg1=6.99~28% avg2=na

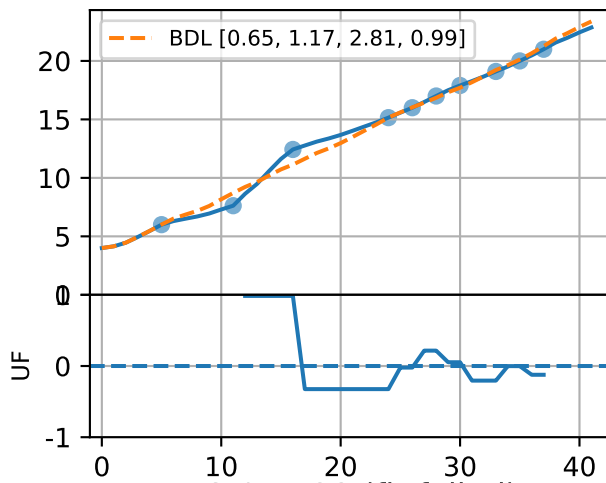


Non

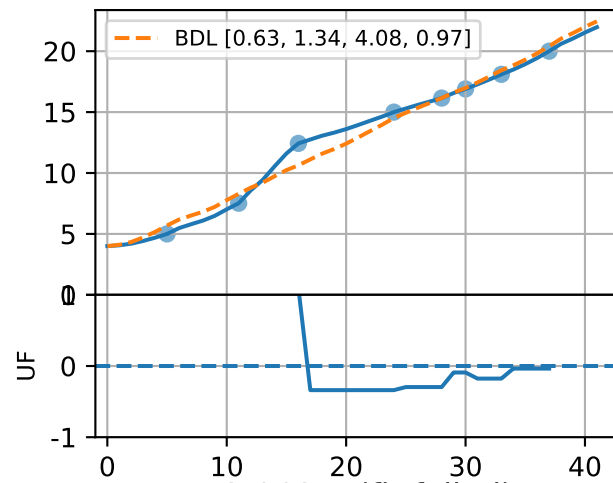
P3-009-13 (fit failed)



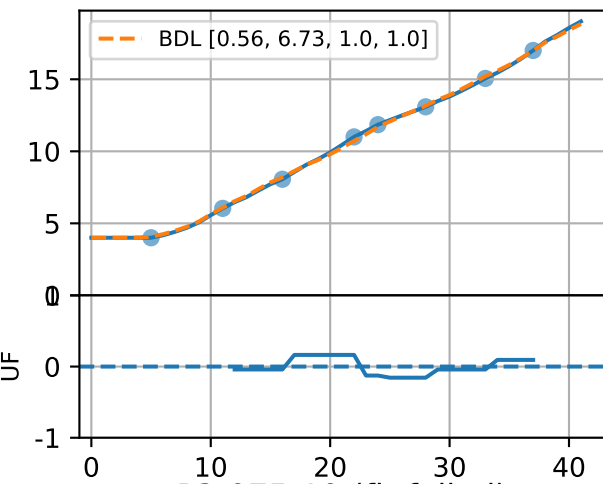
P3-021-19 (fit failed)



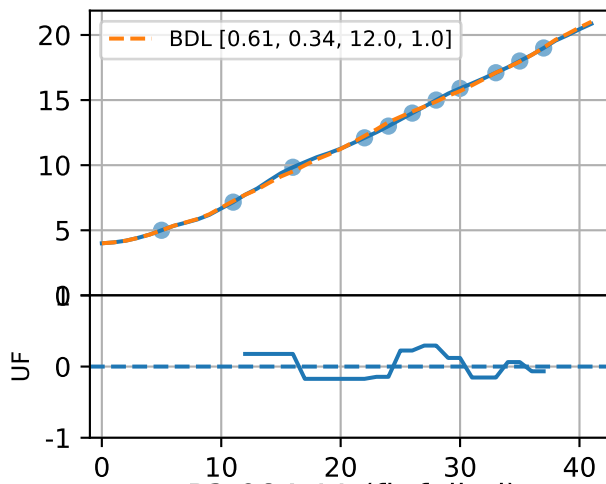
P3-034-5 (fit failed)



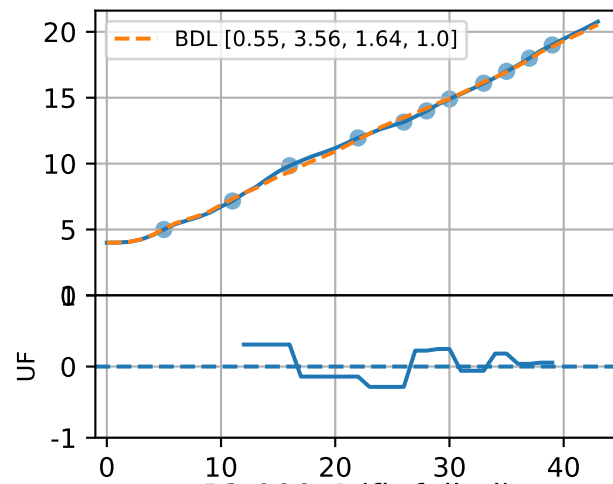
P3-045-17 (fit failed)



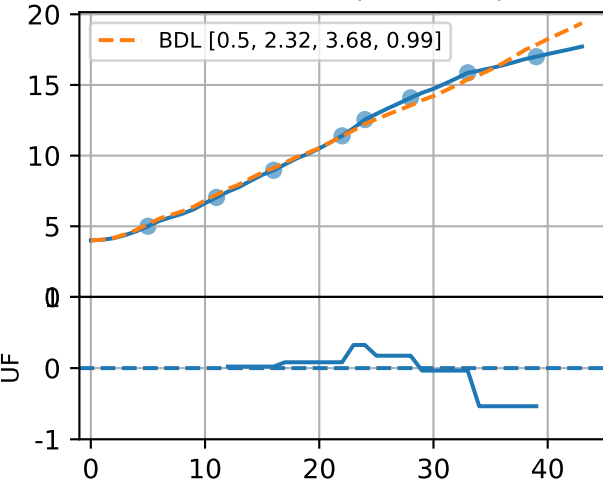
P3-054-28 (fit failed)



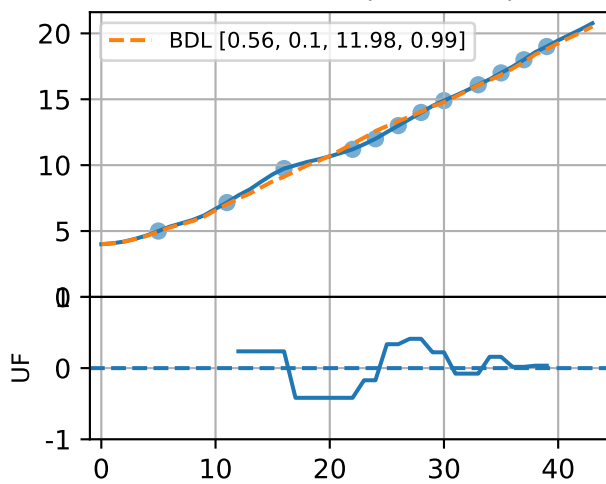
P3-068-4 (fit failed)



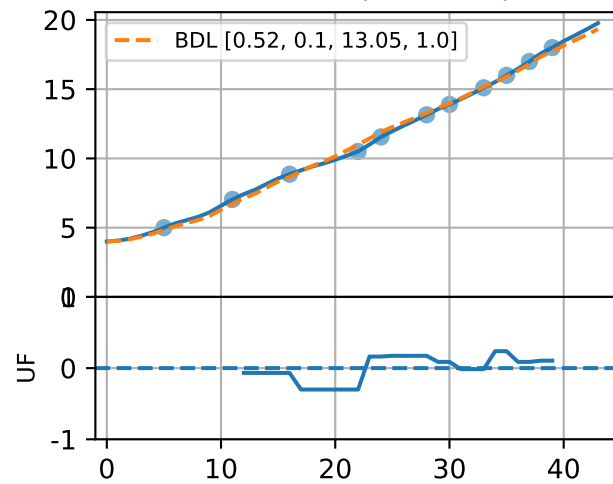
P3-075-19 (fit failed)



P3-084-11 (fit failed)

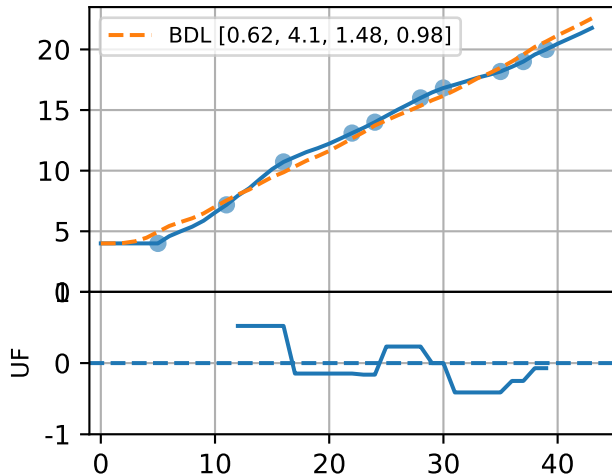


P3-099-4 (fit failed)



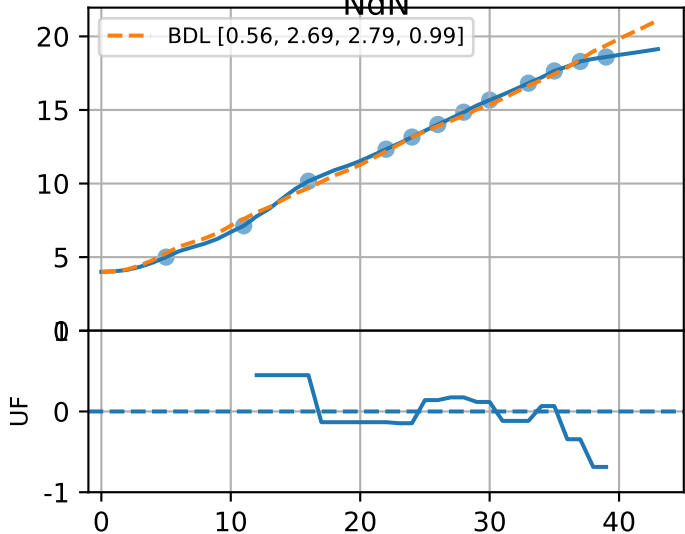
P3-110-23 (fit failed)

NdN

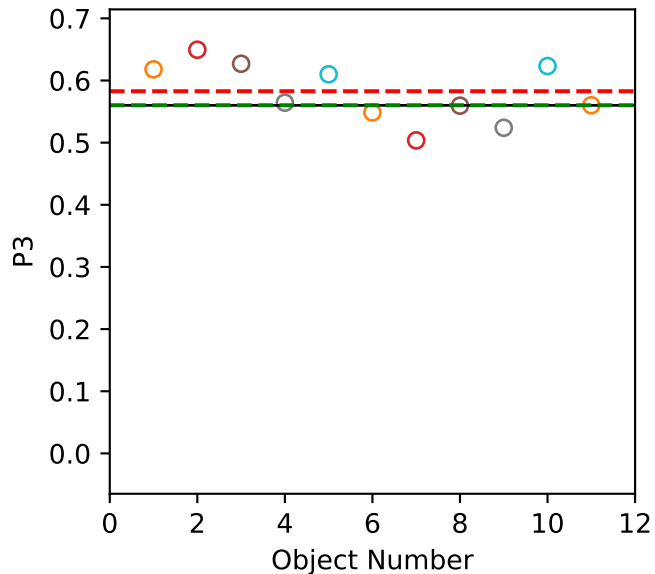


P3avg (fit failed)

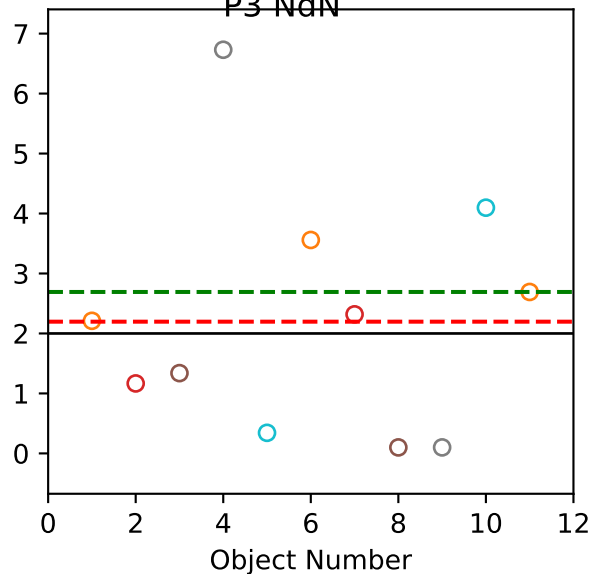
NaN



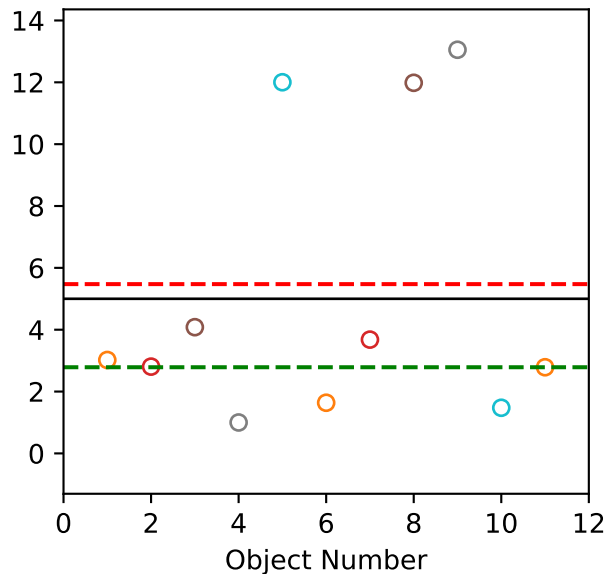
a (Def=0.56 Set=0.56)
avg1=0.58(fail) avg2=0.56



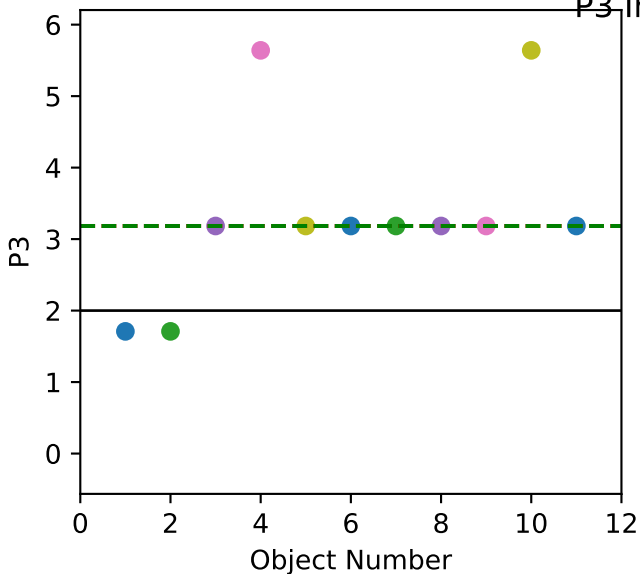
dm (Def=2 Set=2.69)
avg1=2.2(fail) avg2=2.69



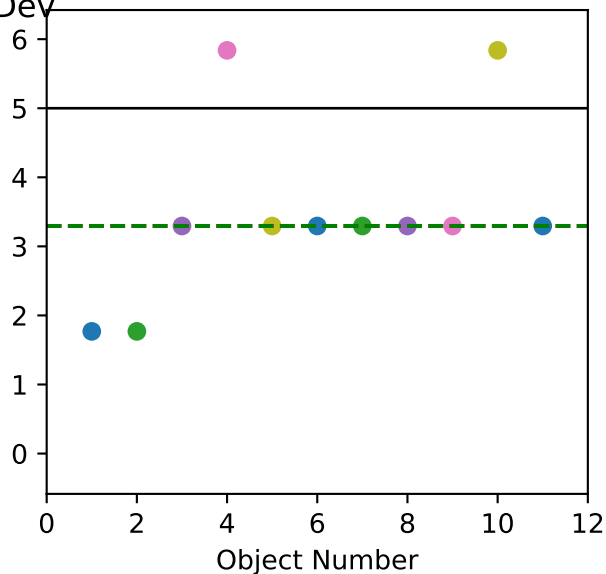
de (Def=5 Set=2.79)
avg1=5.47(fail) avg2=2.79



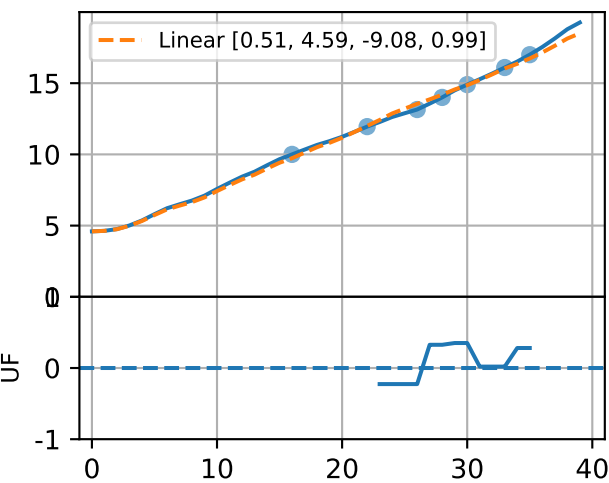
InitDev_dm (Def=2 Set=3.18)
avg1=3.18~0% avg2=3.18



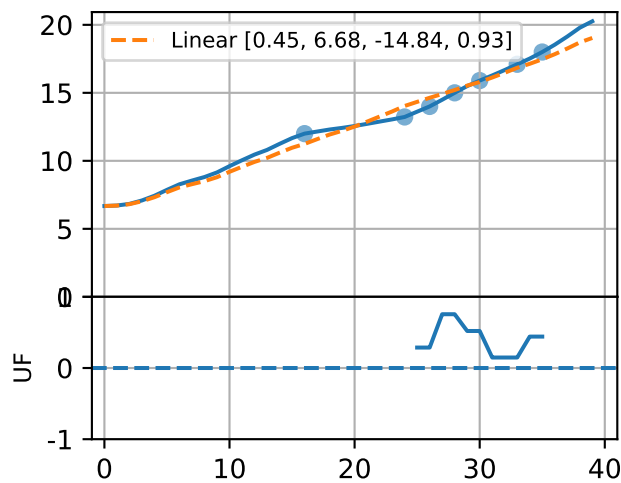
InitDev_de (Def=5 Set=3.29)
avg1=3.29~0% avg2=3.29



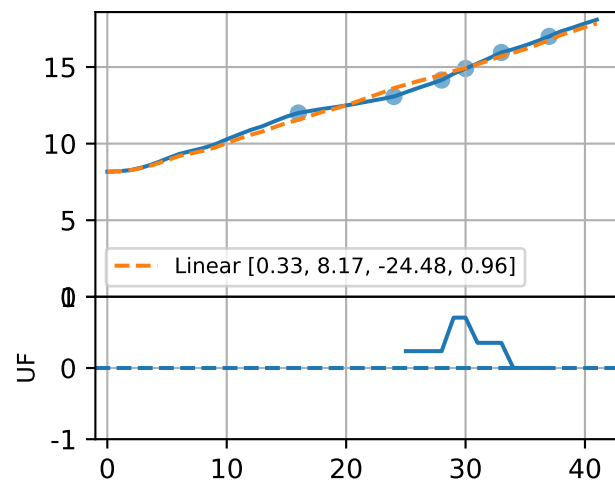
P3-009-13



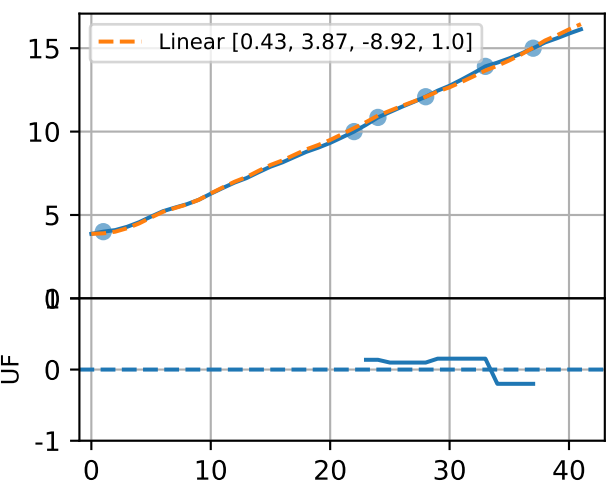
P3-021-19



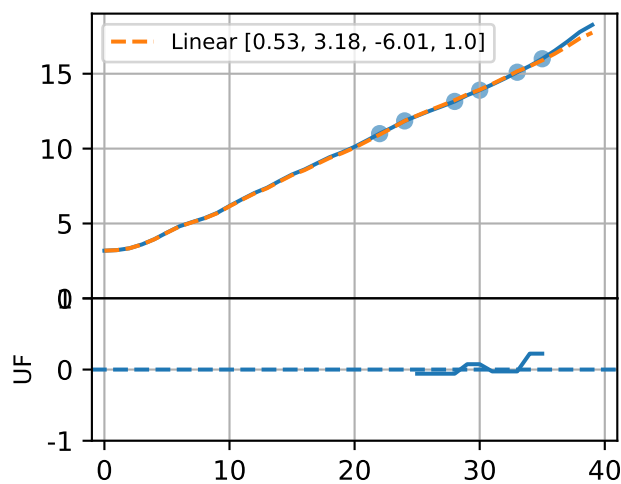
P3-034-5



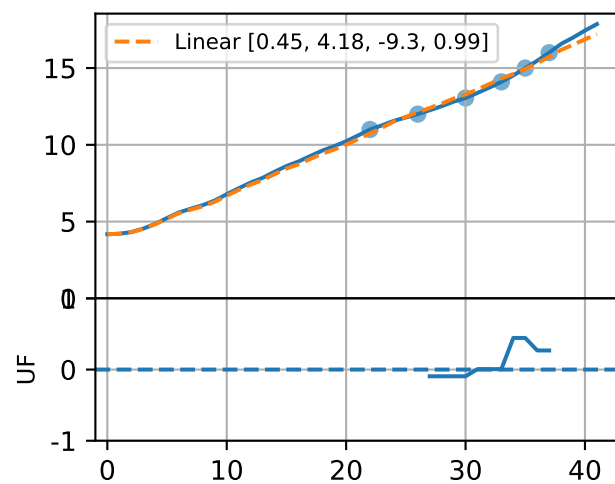
P3-045-17



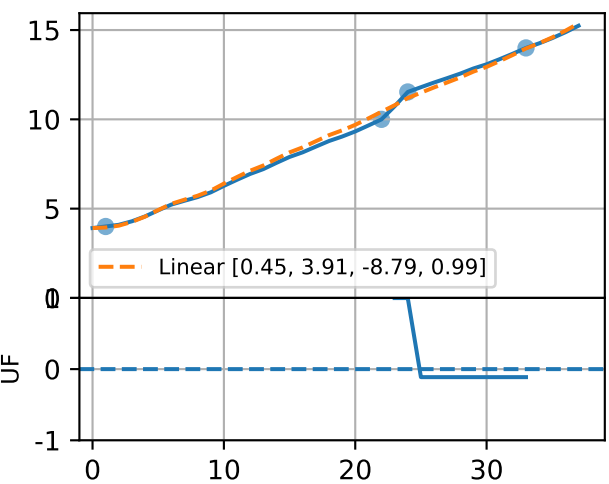
P3-054-28



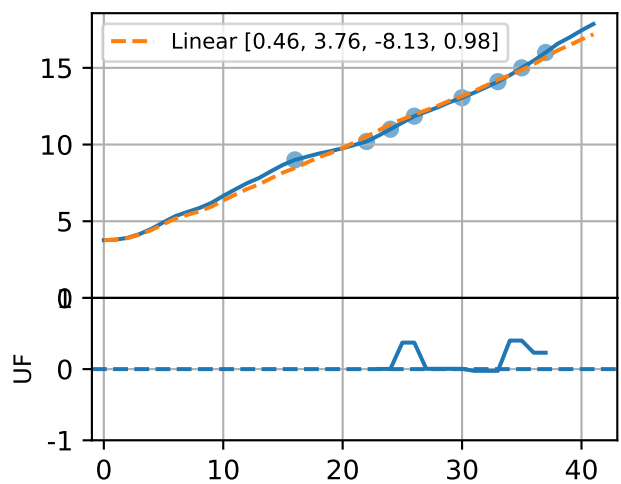
P3-068-4



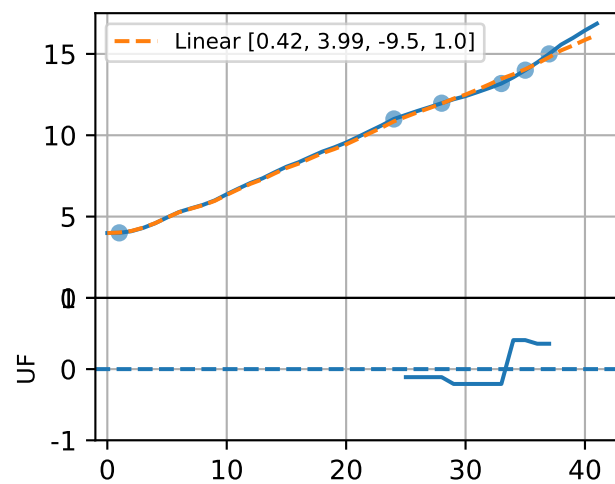
P3-075-19



P3-084-11

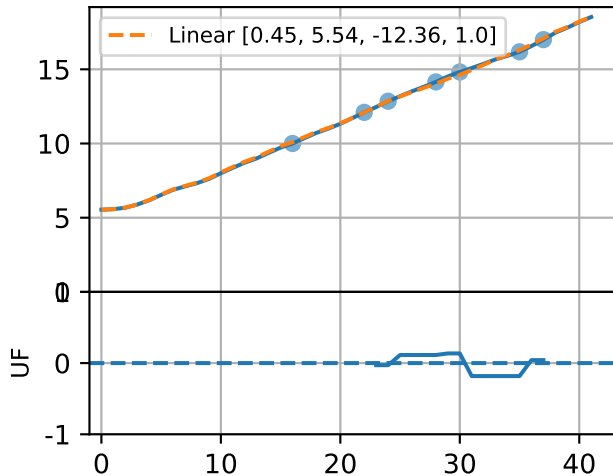


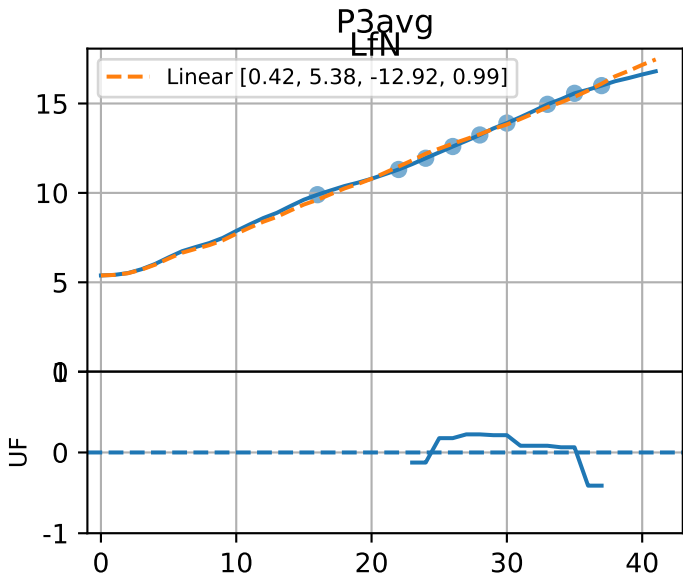
P3-099-4



P3-110-23

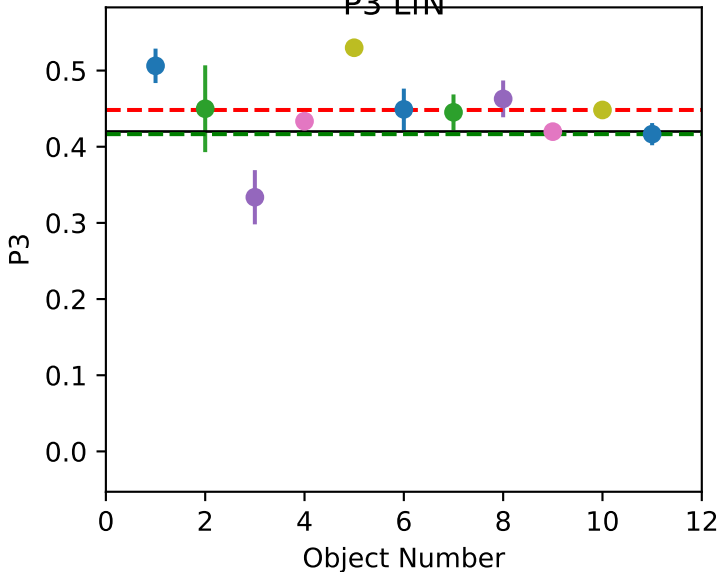
LfN



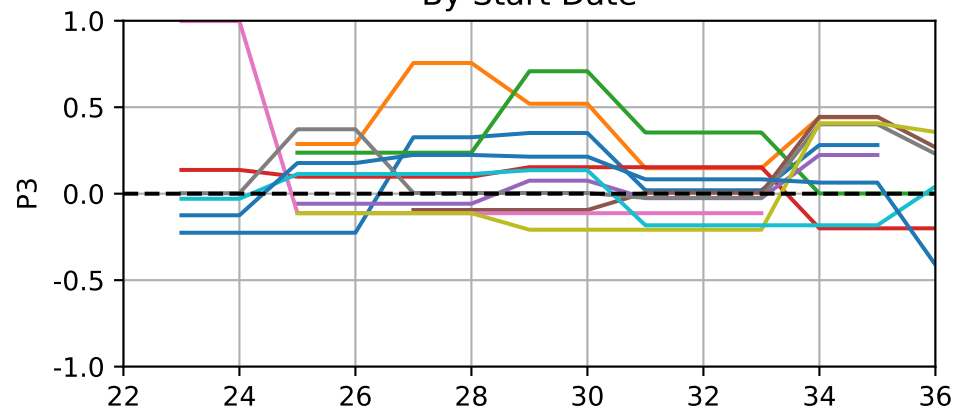


a (Def=0.42 Set=0.42)
avg1=0.45~3% avg2=0.42~11%

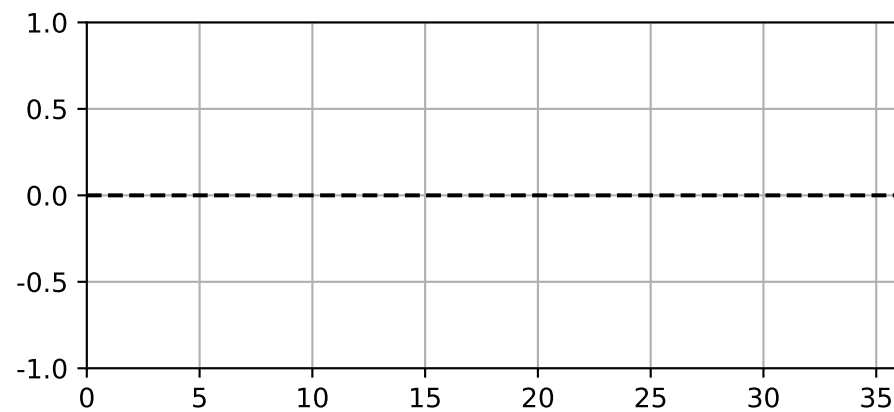
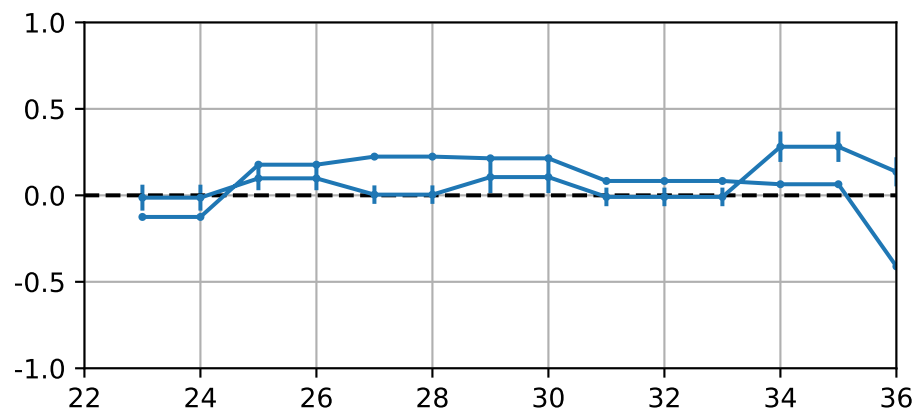
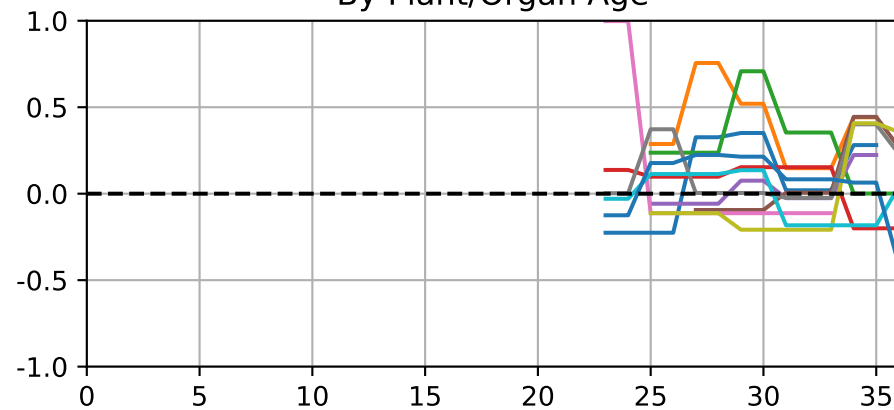
P3 LfN



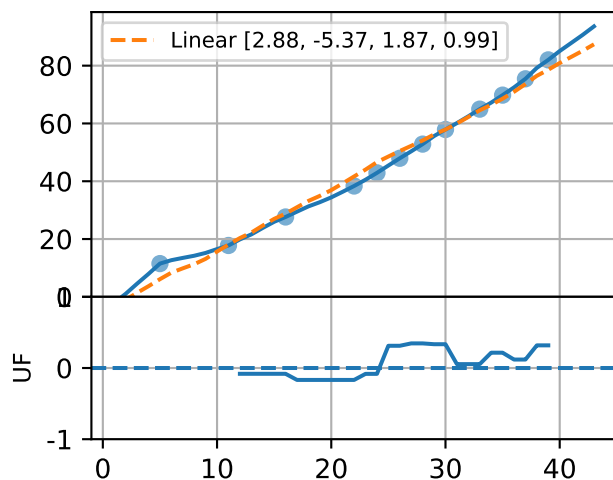
By Start Date



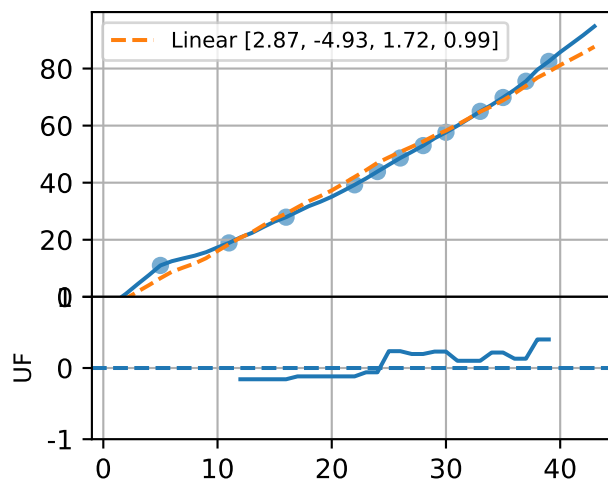
By Plant/Organ Age



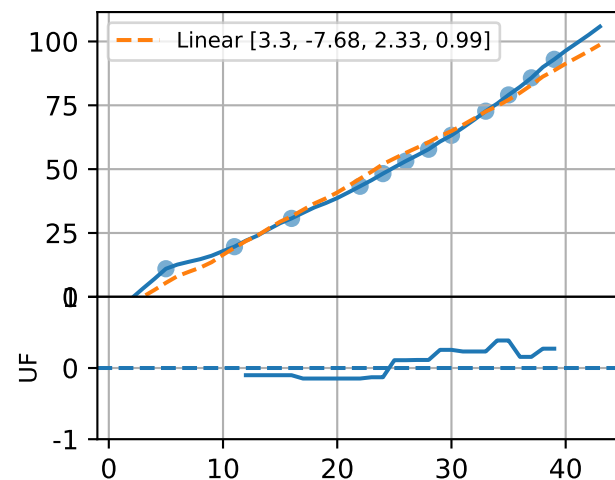
P3-009-13



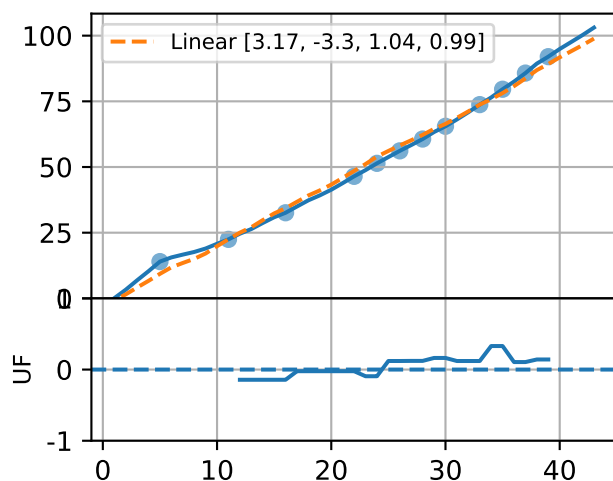
P3-021-19



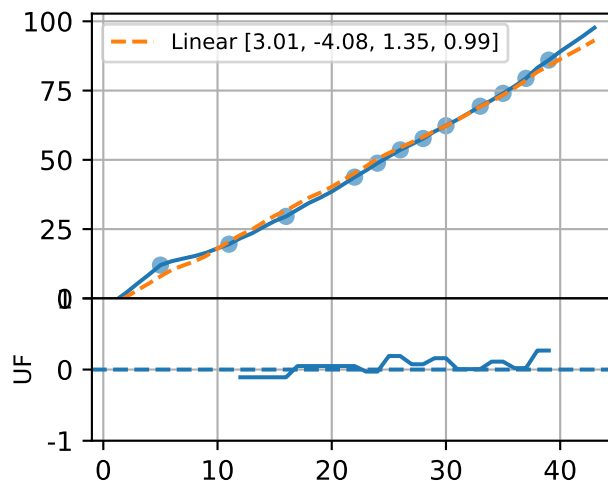
P3-034-5



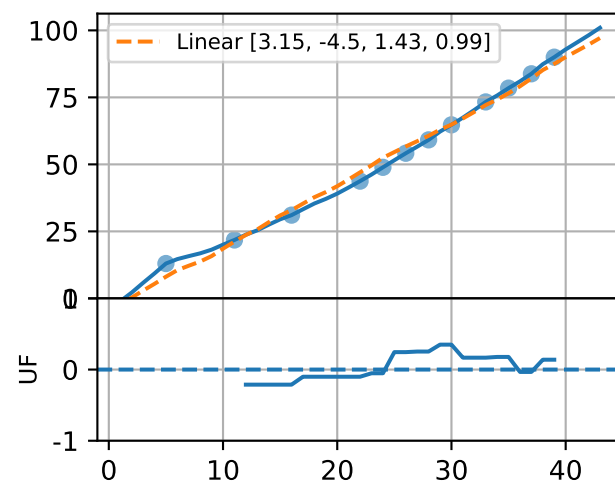
P3-045-17



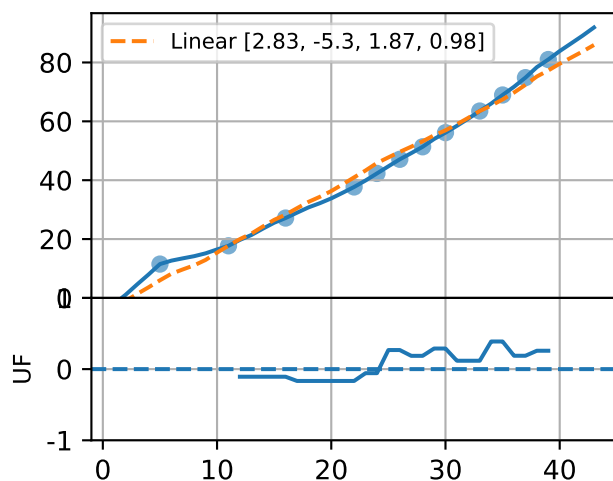
P3-054-28



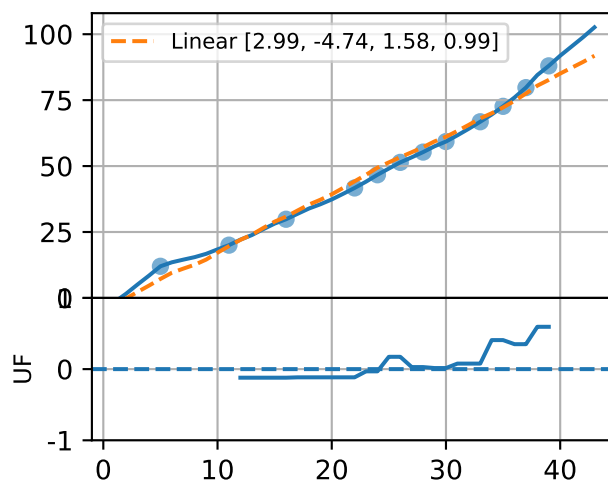
P3-068-4



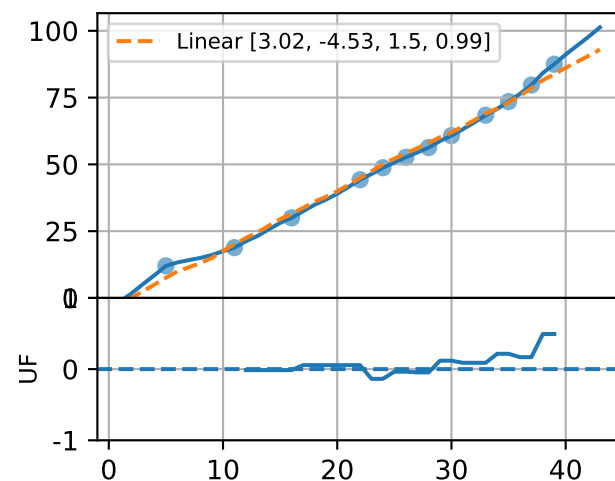
P3-075-19



P3-084-11

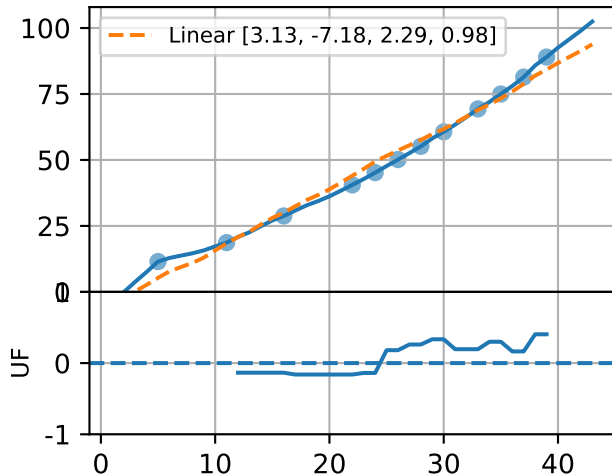


P3-099-4

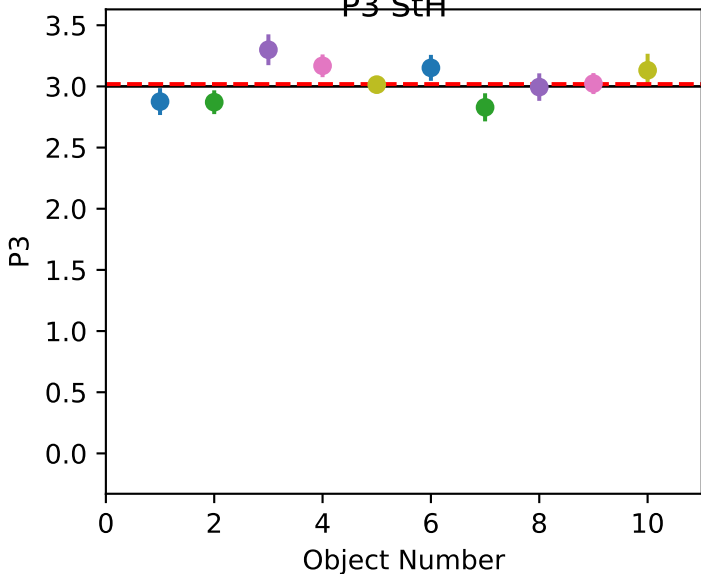


P3-110-23

StH

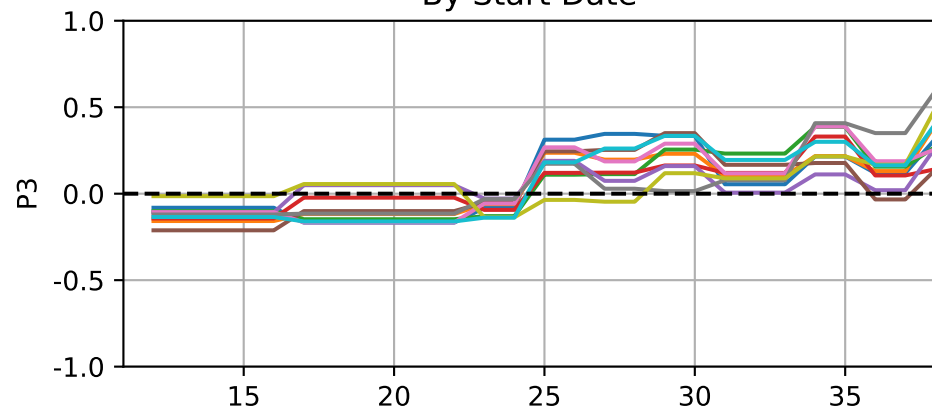


a (Def=3 Set=3.02)
avg1=3.02~5% avg2=na
P3 StH

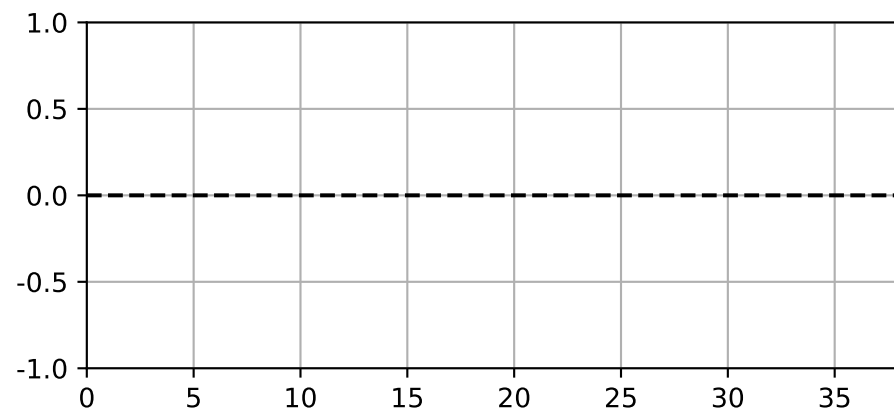
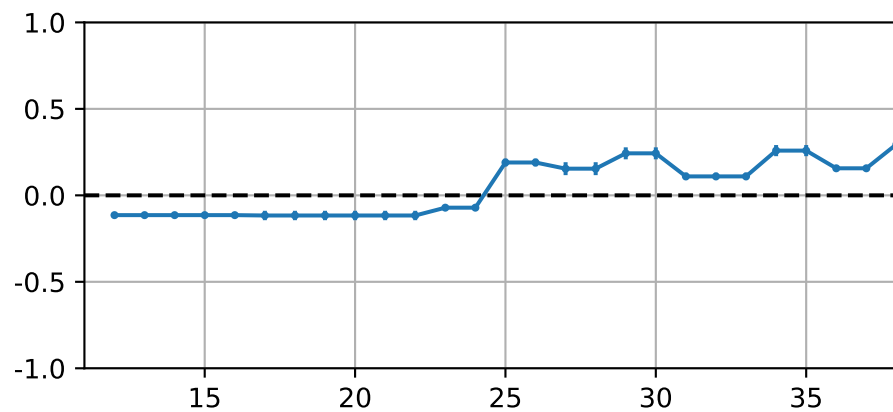
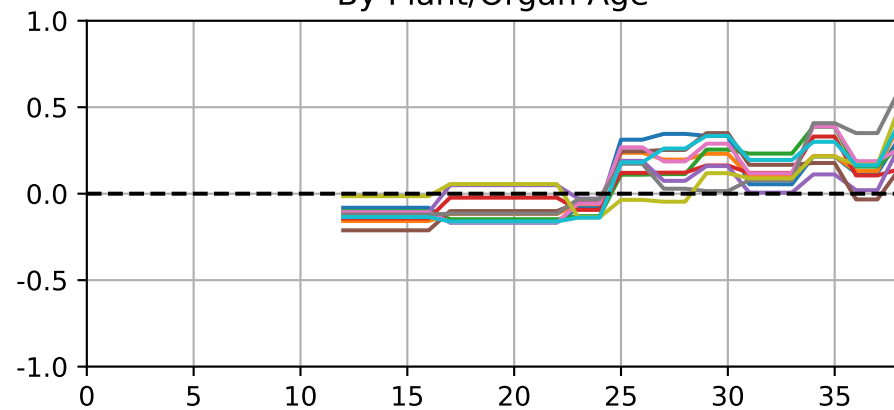


StH

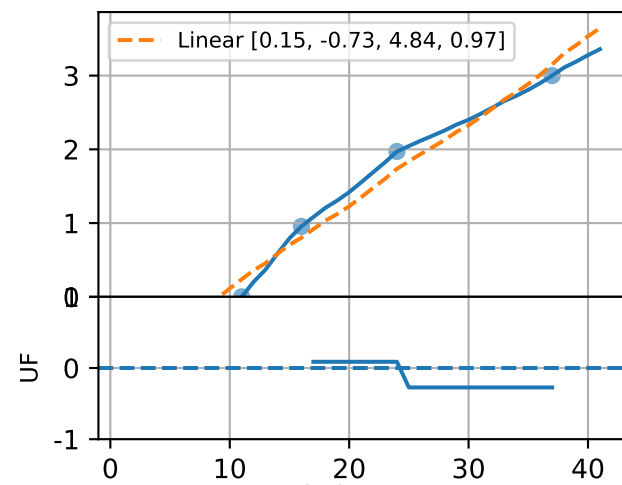
By Start Date



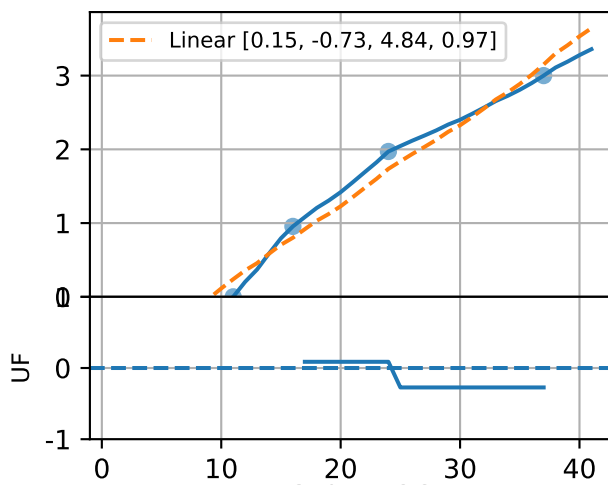
By Plant/Organ Age



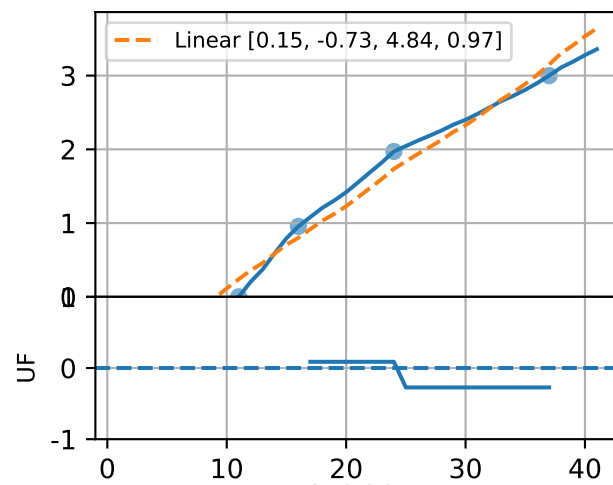
P3-009-13



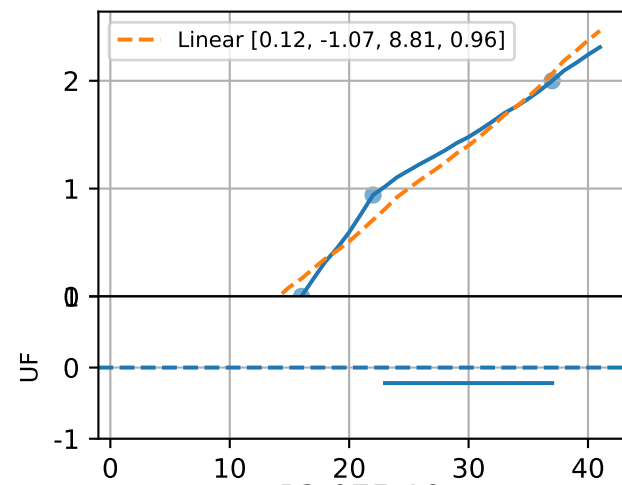
P3-021-19



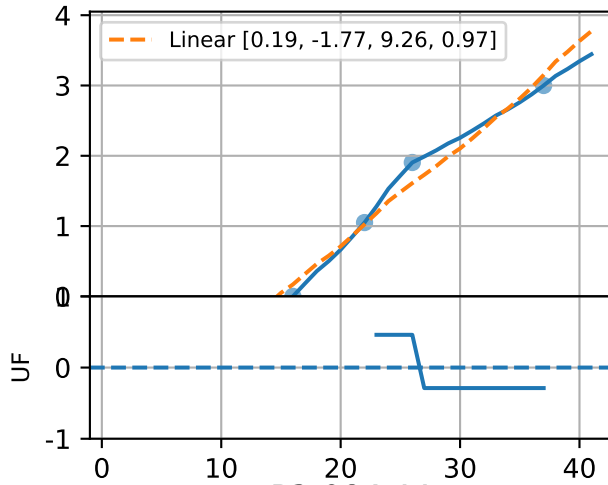
P3-034-5



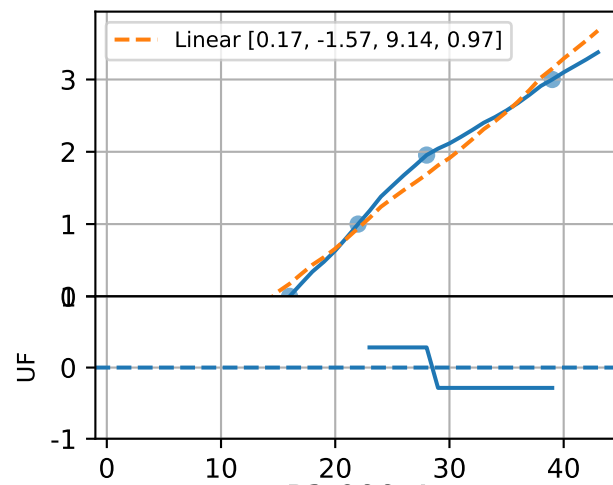
P3-045-17



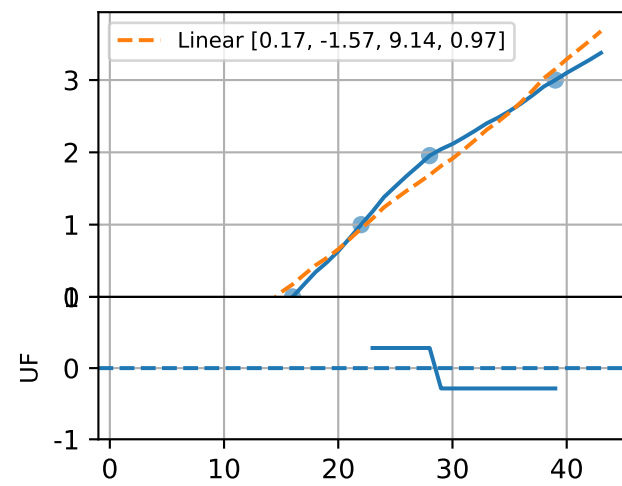
P3-054-28



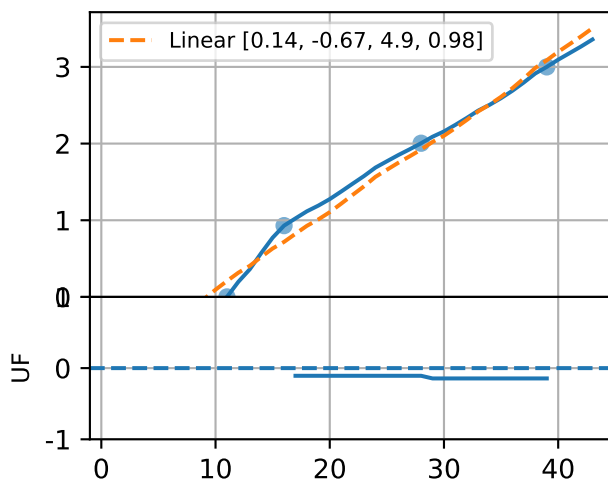
P3-068-4



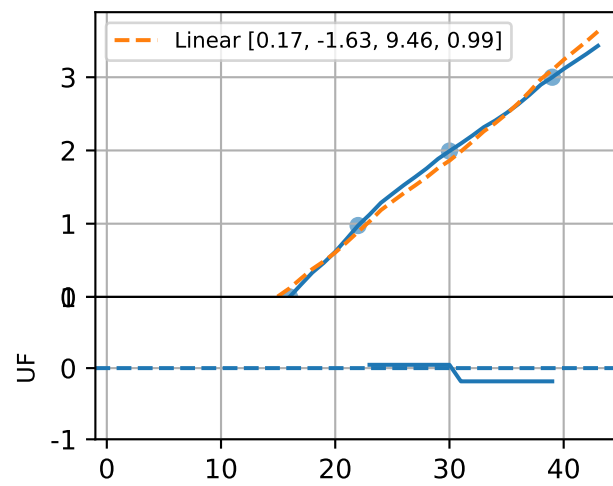
P3-075-19



P3-084-11

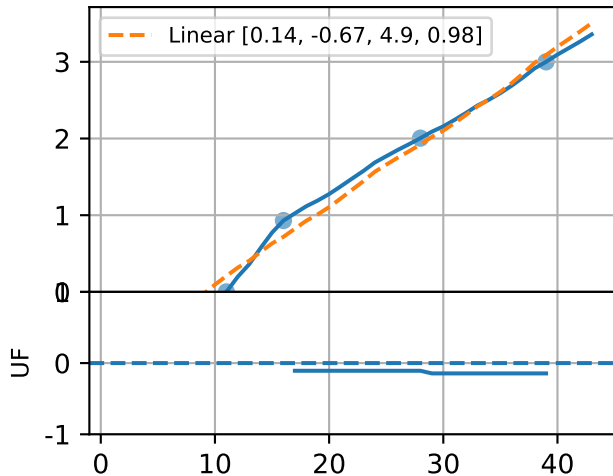


P3-099-4

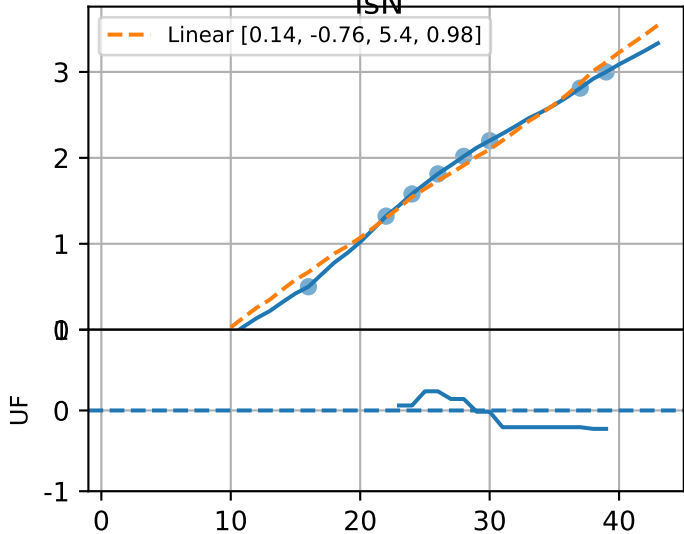


P3-110-23

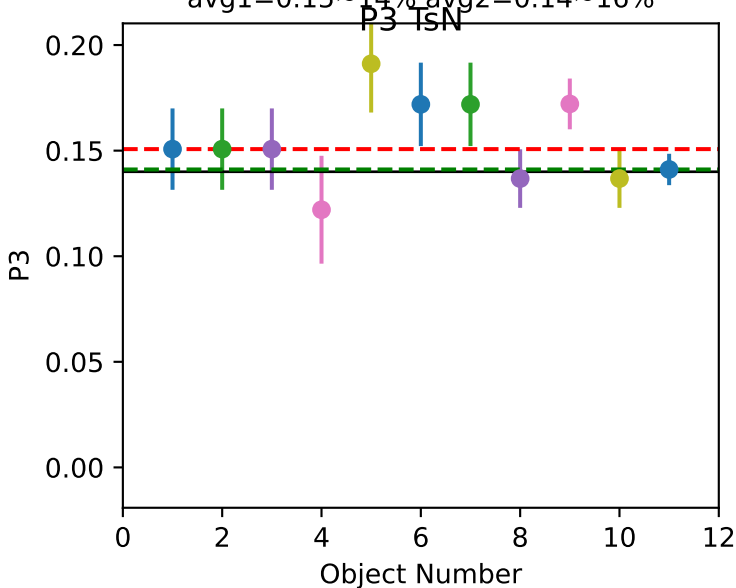
TsN



P3avg
TSN

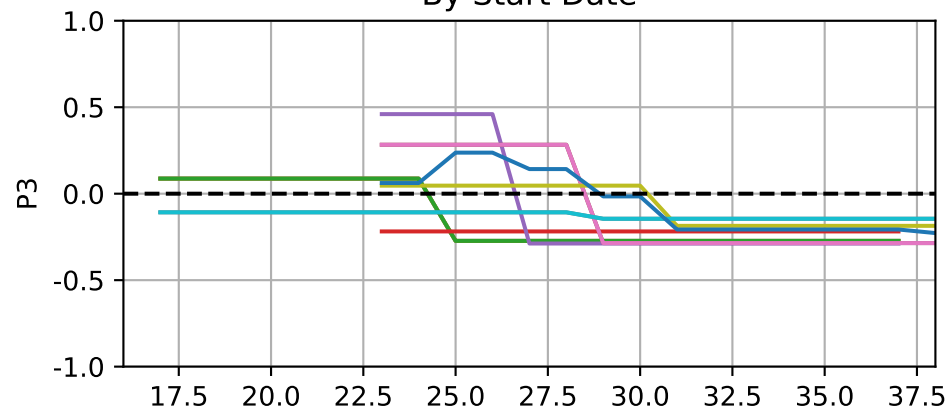


a (Def=0.14 Set=0.14)
avg1=0.15~14% avg2=0.14~16%

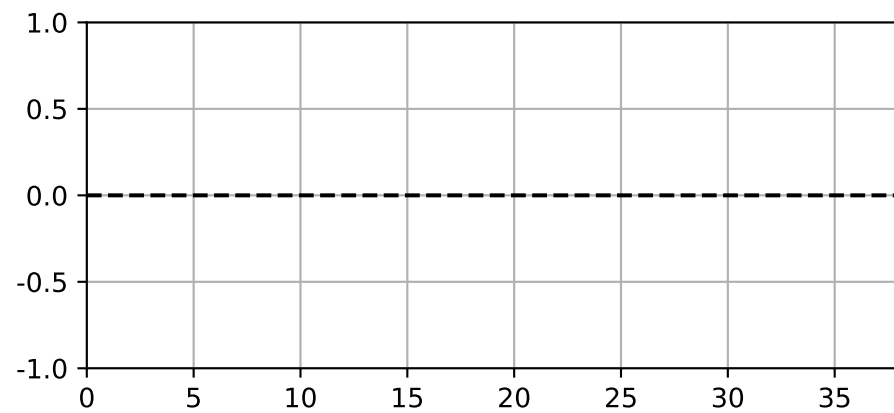
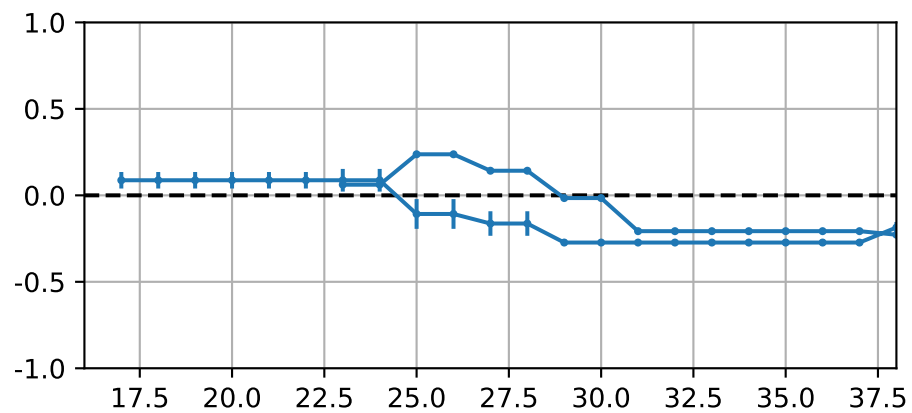
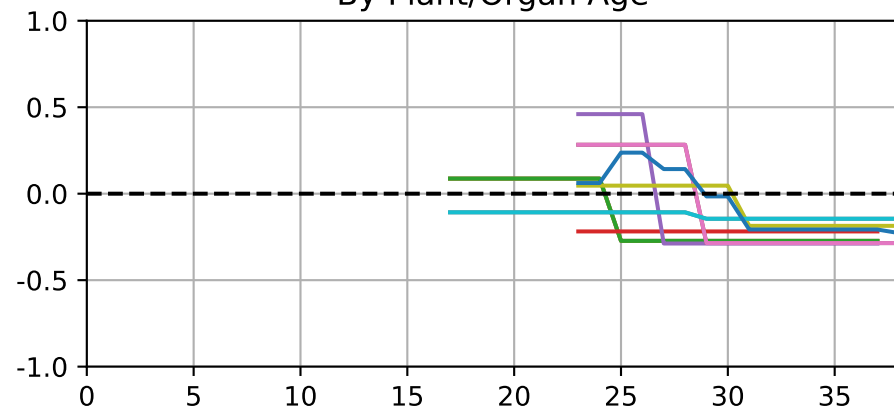


TsN

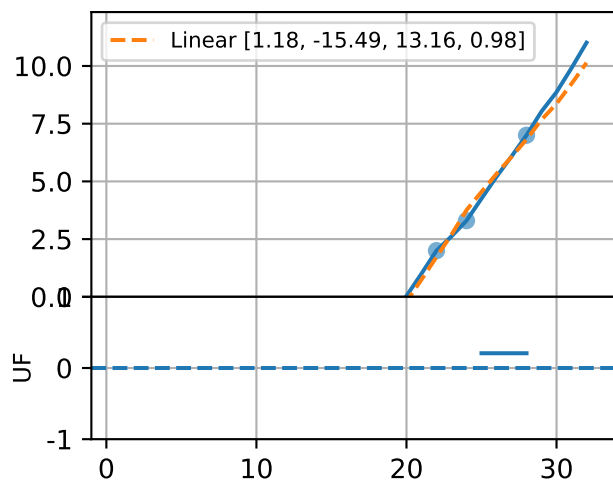
By Start Date



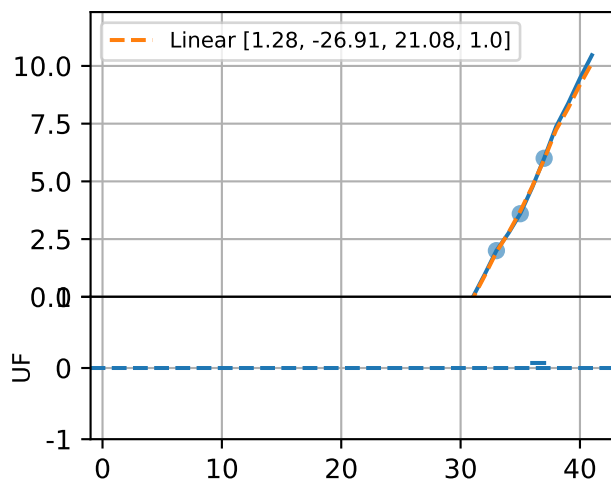
By Plant/Organ Age



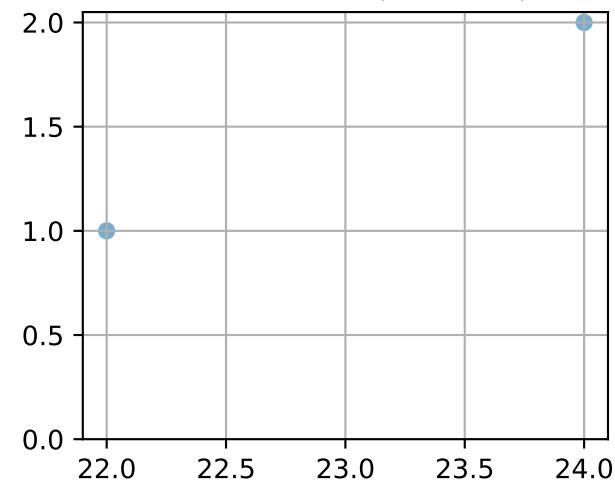
P3-009-13T1



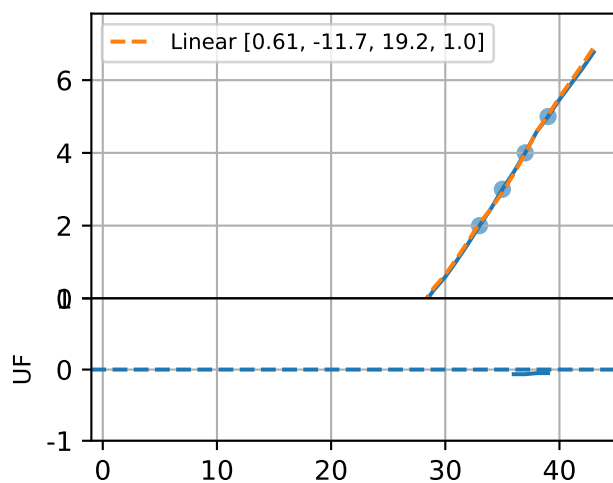
P3-009-13T2



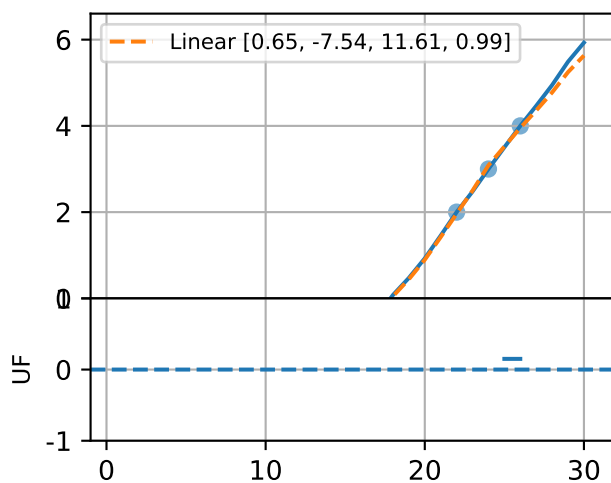
P3-021-19T1 (fit failed)



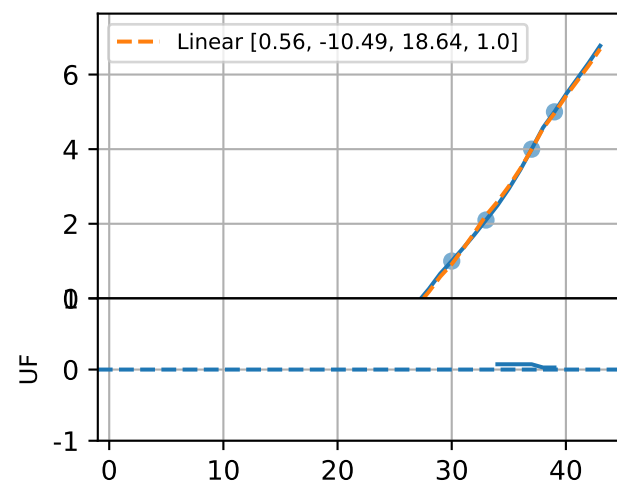
P3-021-19T2



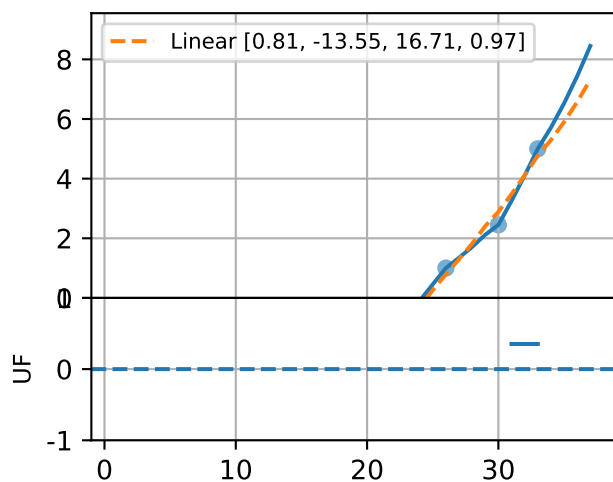
P3-034-5T1



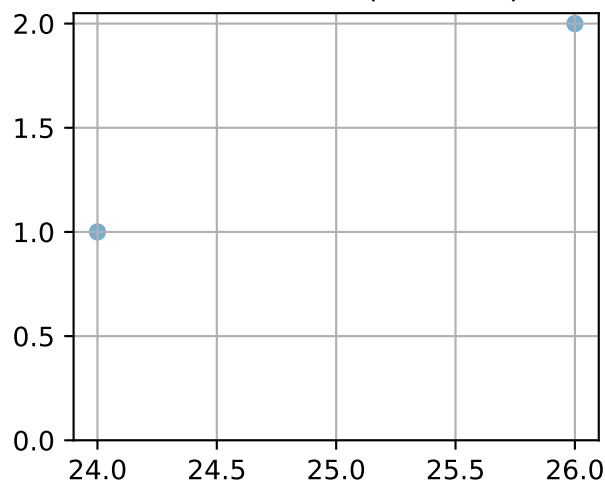
P3-034-5T2



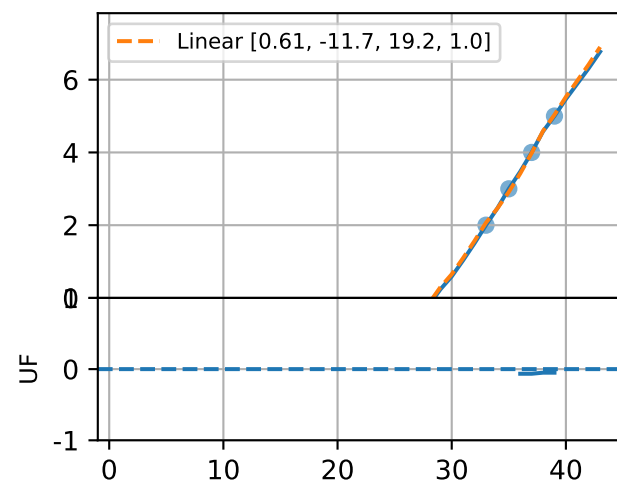
P3-045-17T1



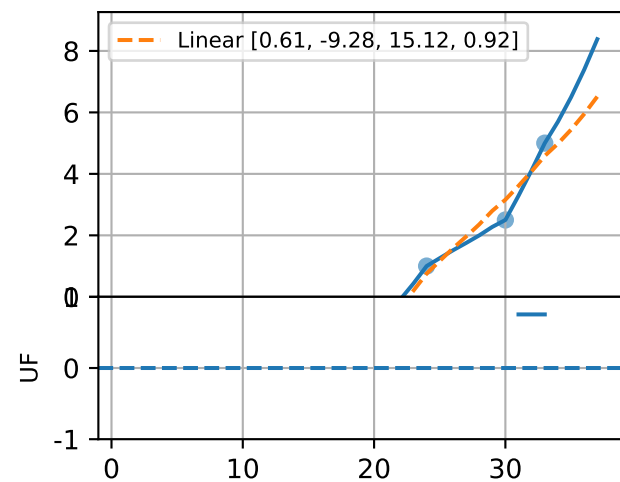
P3-054-28T1 (fit failed)



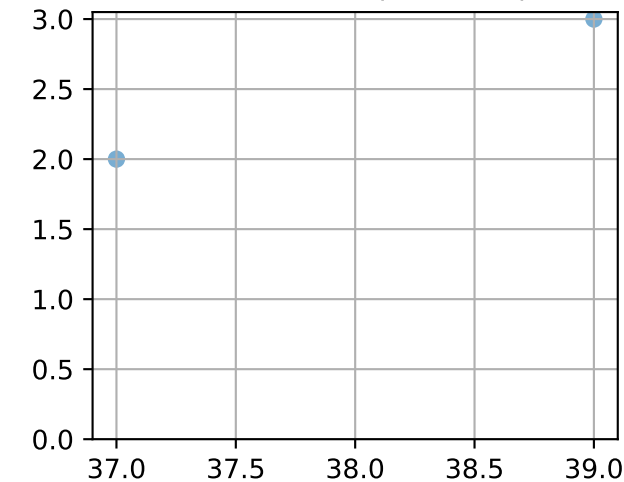
P3-054-28T2



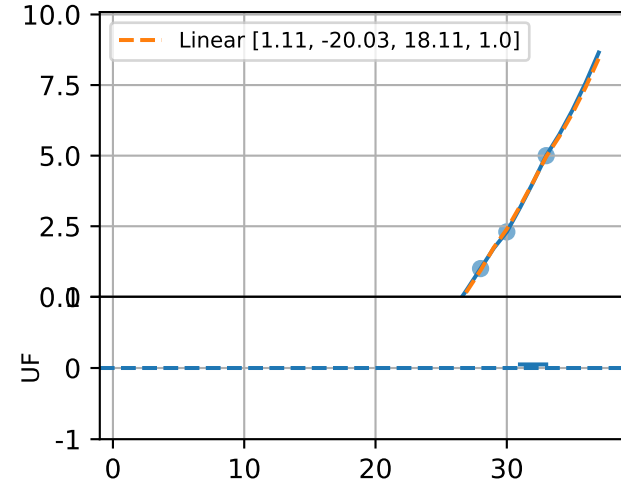
P3-068-4T1



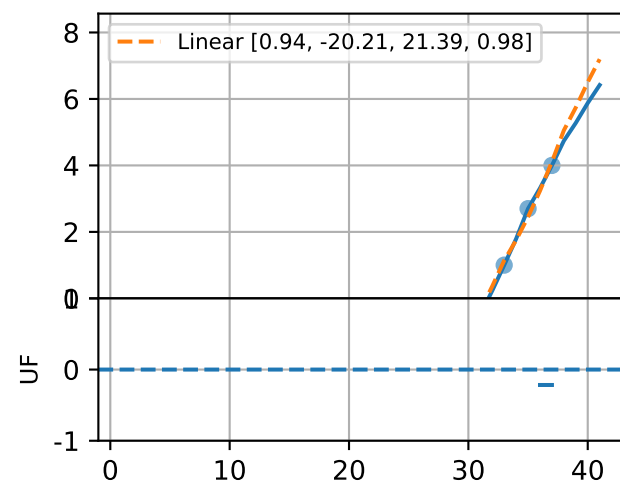
P3-068-4T2 (fit failed)



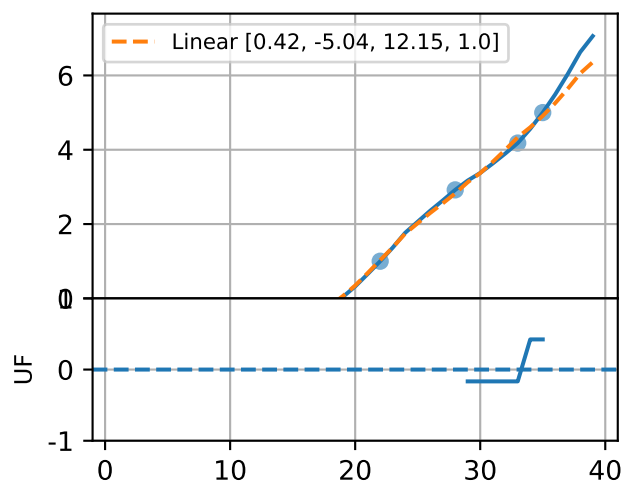
P3-075-19T1



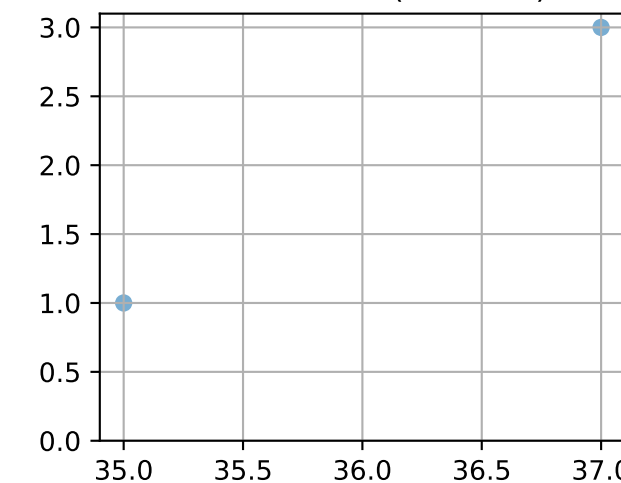
P3-075-19T2



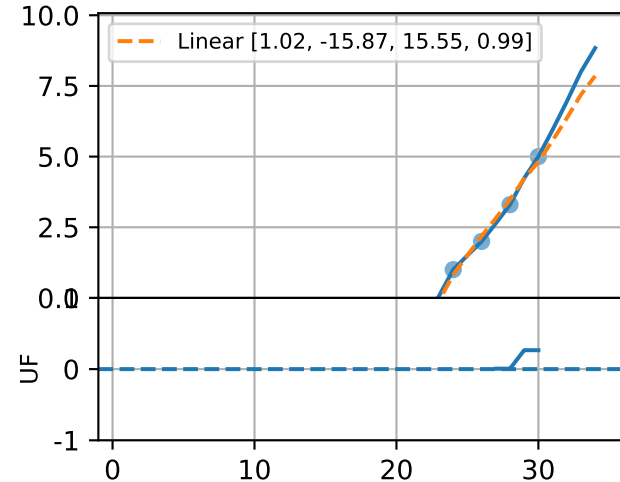
P3-084-11T1



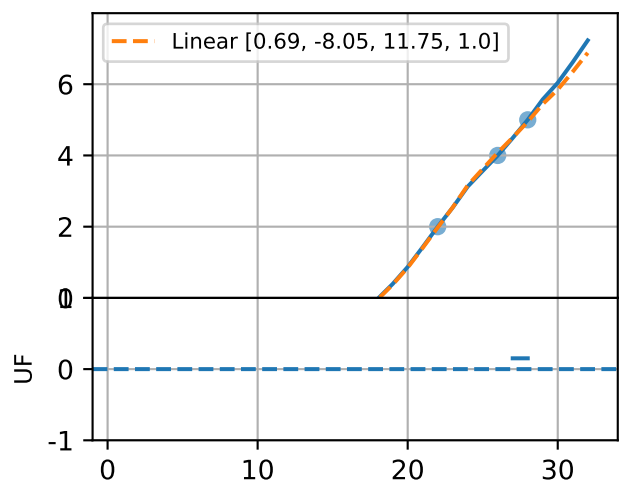
P3-084-11T2 (fit failed)



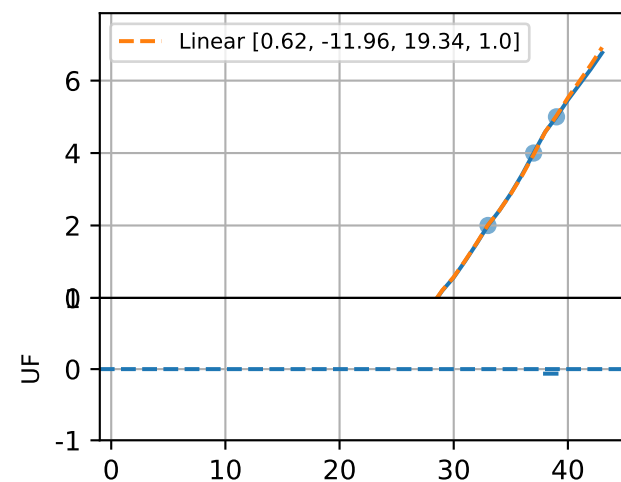
P3-099-4T1



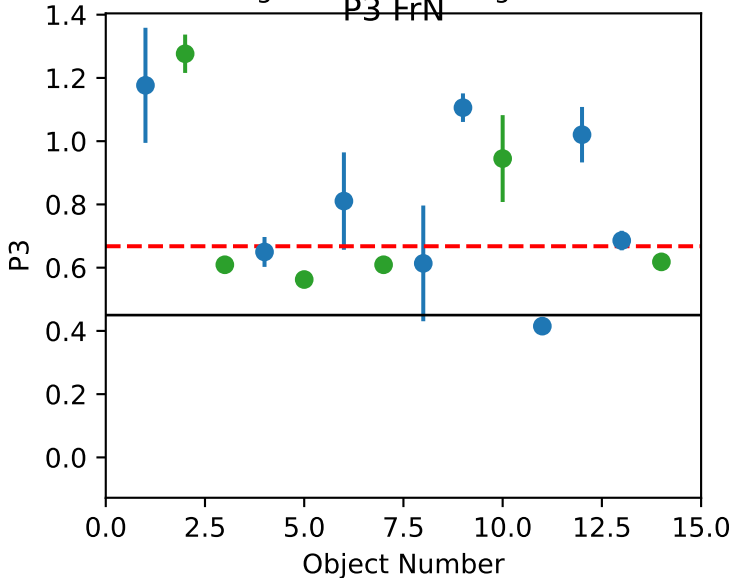
P3-110-23T1



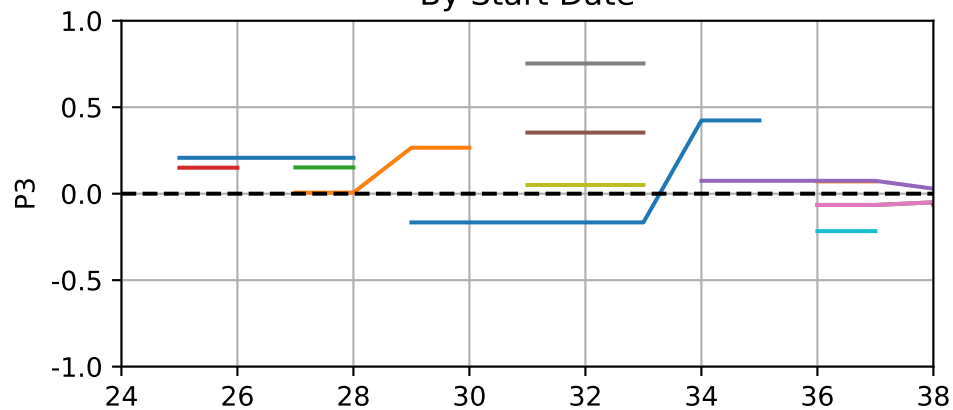
P3-110-23T2



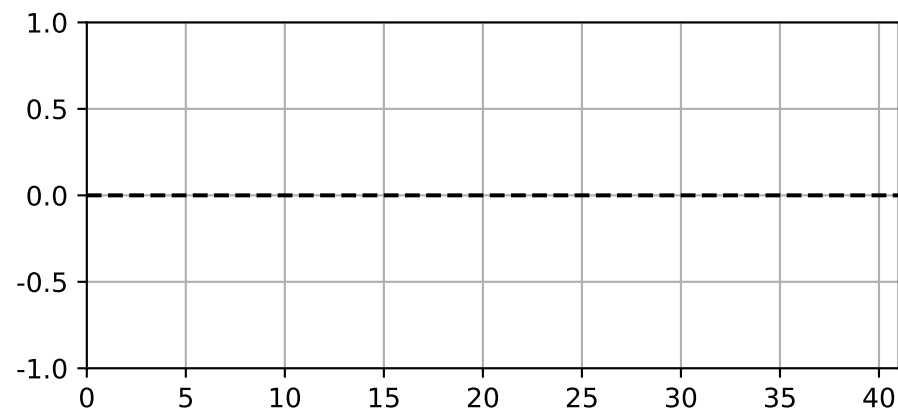
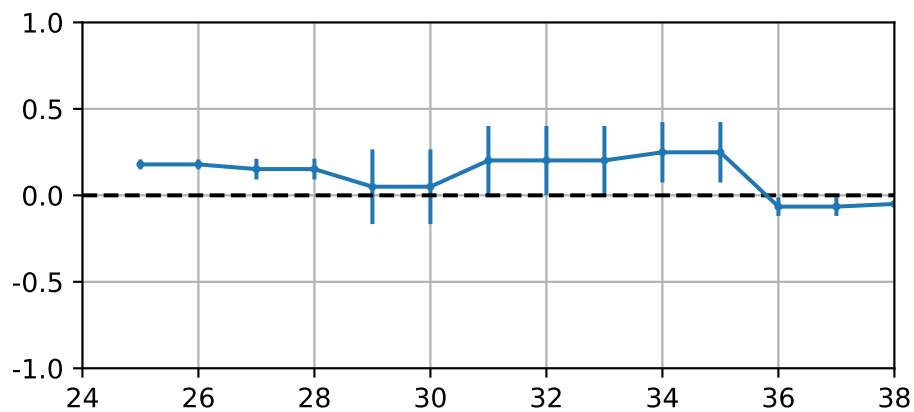
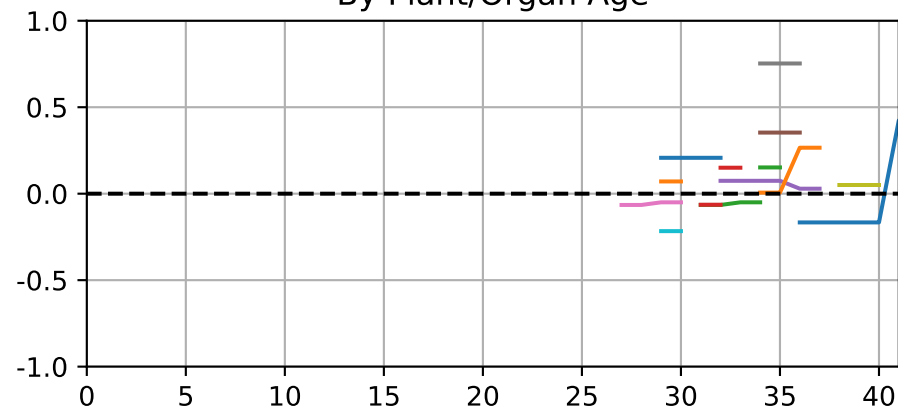
a (Def=0.45 Set=0.67)
avg1=0.67~40% avg2=na
P3 FrN



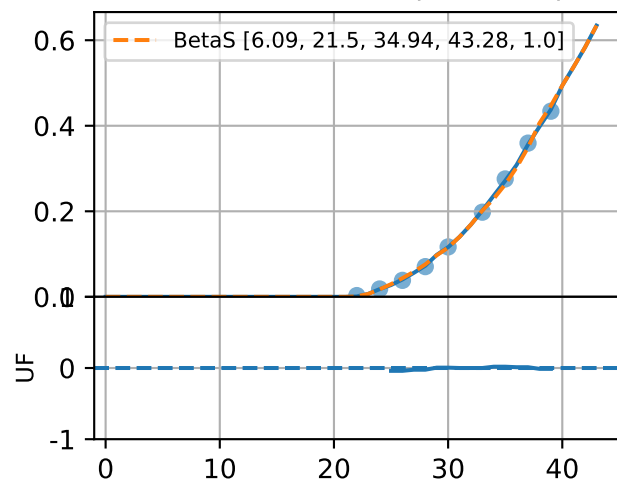
By Start Date



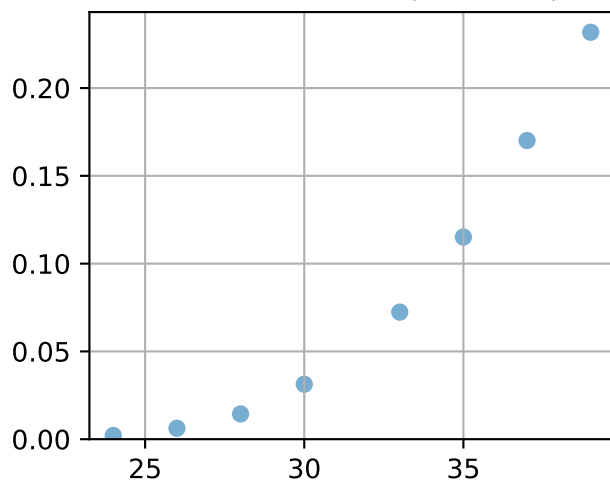
By Plant/Organ Age



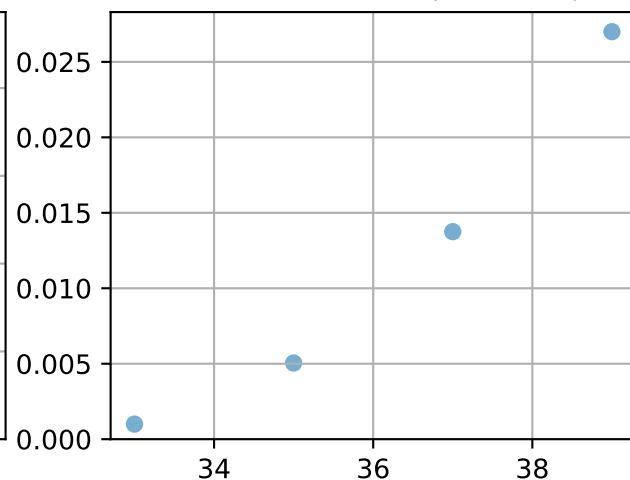
P3-009-13T1Fr1 (fit failed)



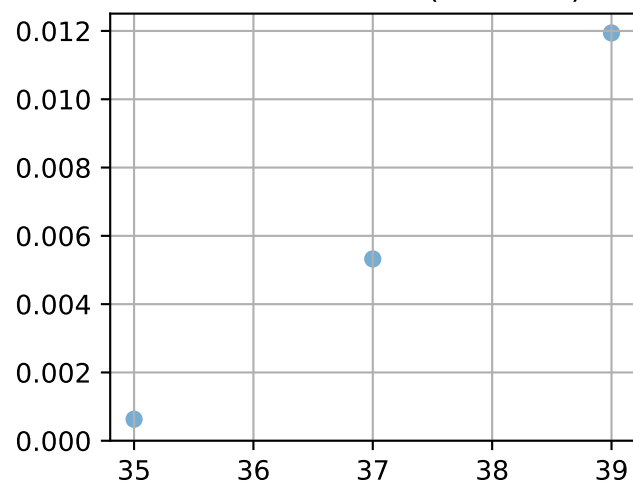
P3-009-13T1Fr5 (fit failed)



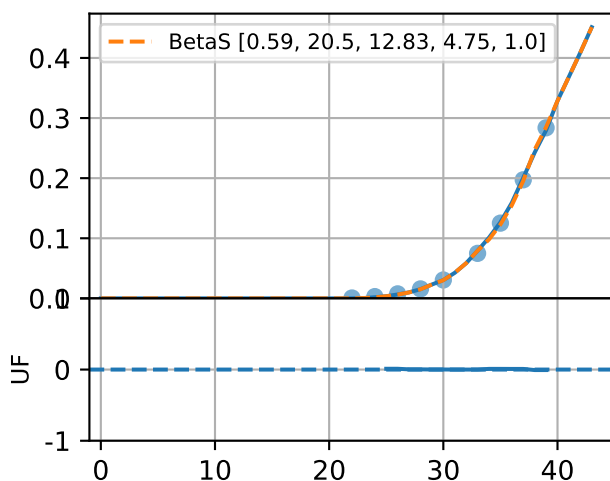
P3-009-13T2Fr1 (fit failed)



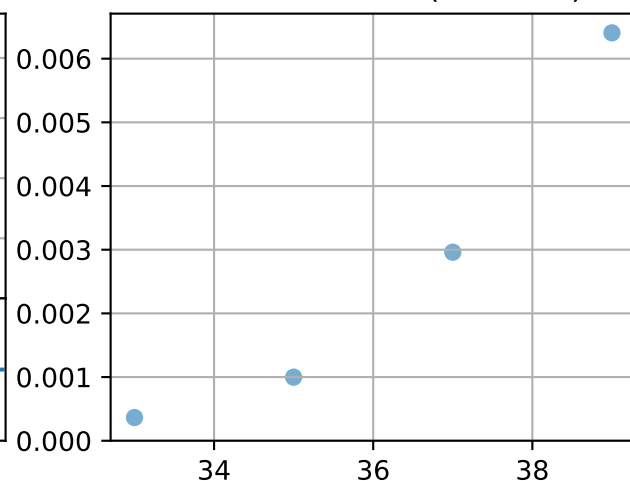
P3-009-13T2Fr5 (fit failed)



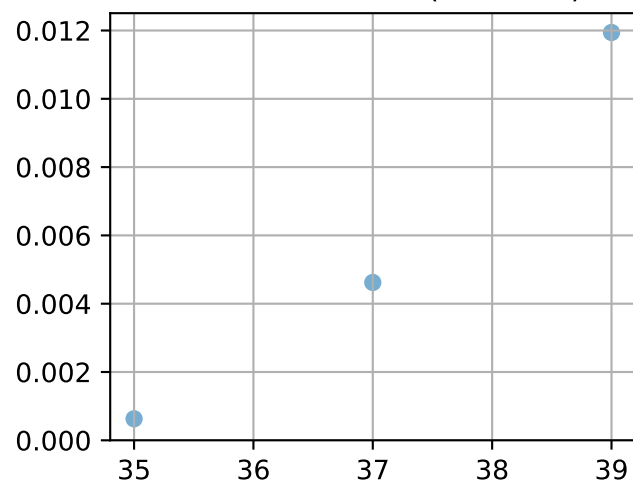
P3-021-19T1Fr1



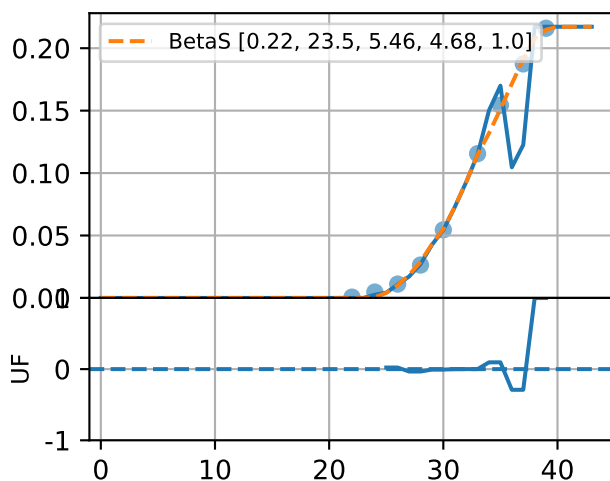
P3-021-19T2Fr1 (fit failed)



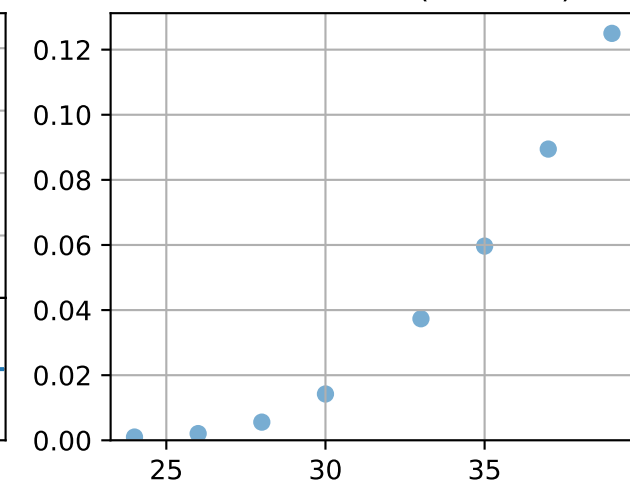
P3-021-19T2Fr5 (fit failed)



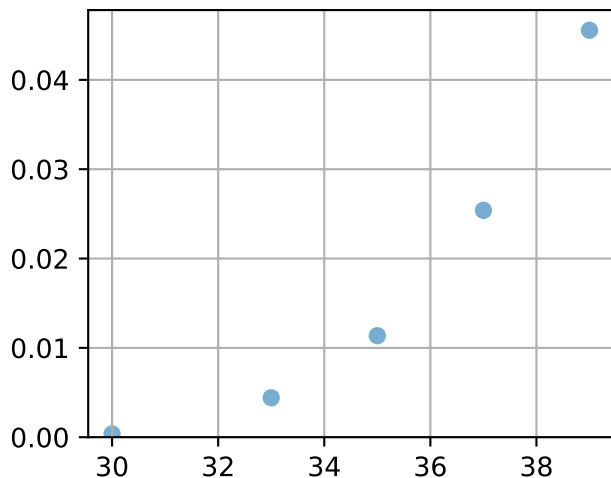
P3-034-5T1Fr1



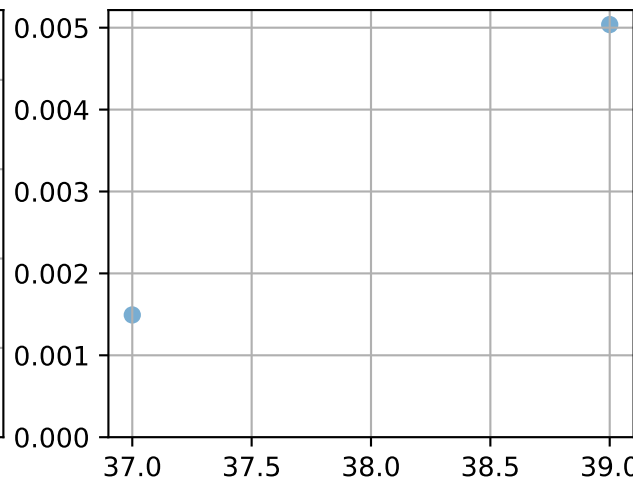
P3-034-5T1Fr5 (fit failed)



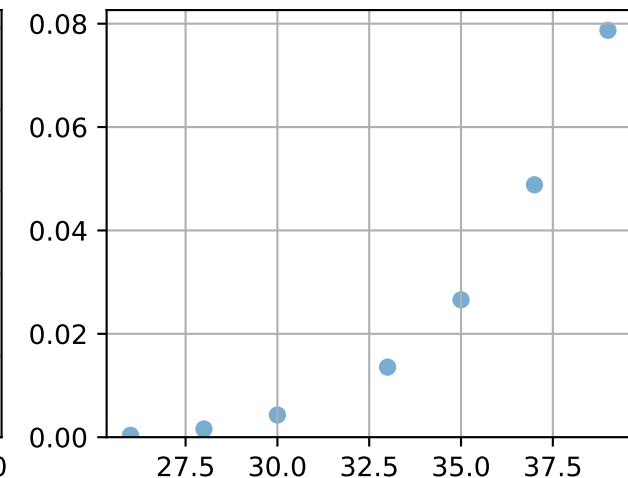
P3-034-5T2Fr1 (fit failed)



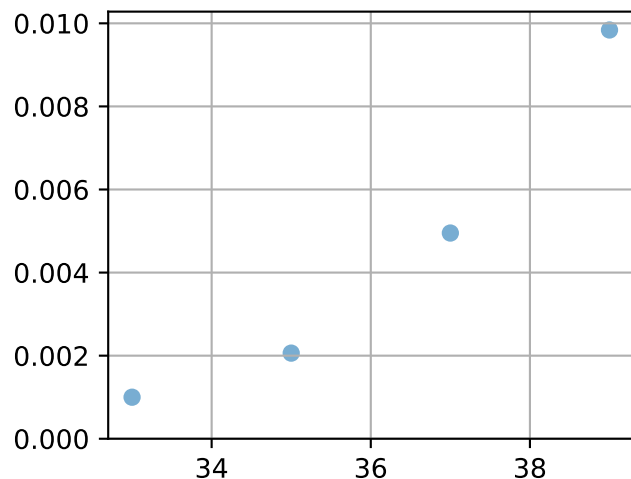
P3-034-5T2Fr5 (fit failed)



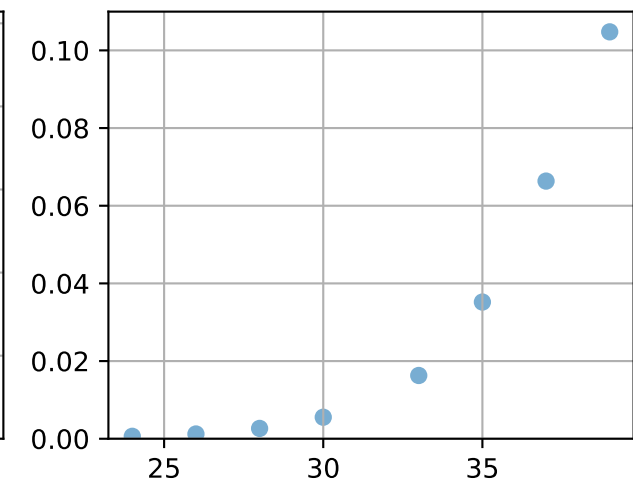
P3-045-17T1Fr1 (fit failed)



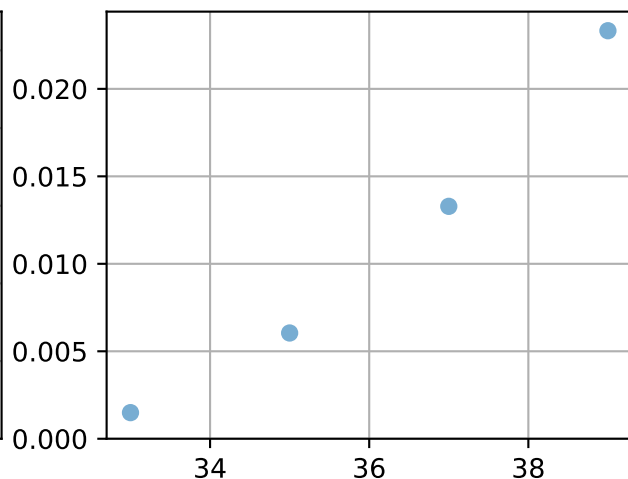
P3-045-17T1Fr5 (fit failed)



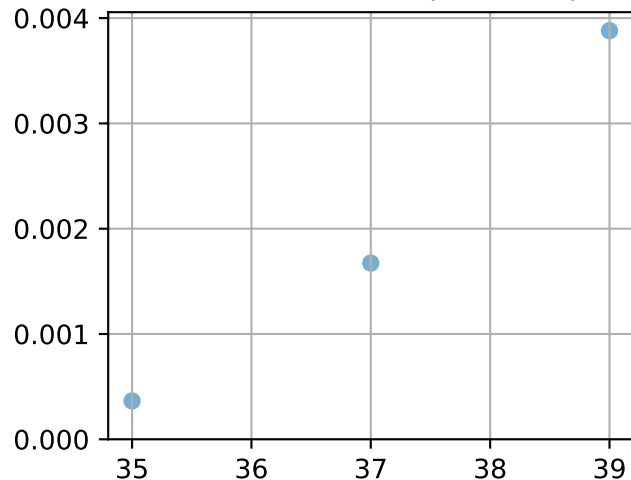
P3-054-28T1Fr1 (fit failed)



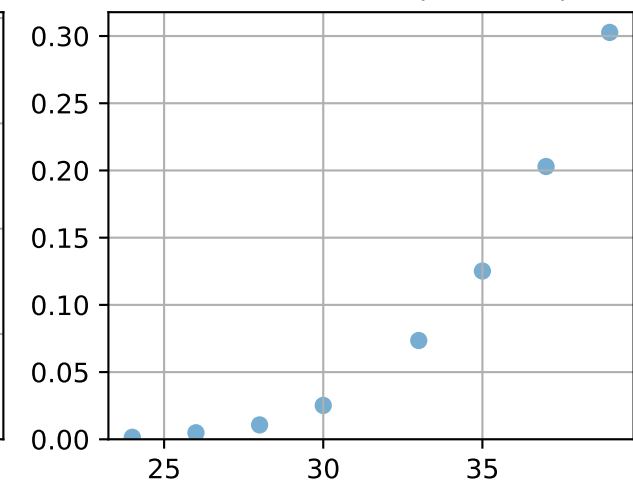
P3-054-28T2Fr1 (fit failed)



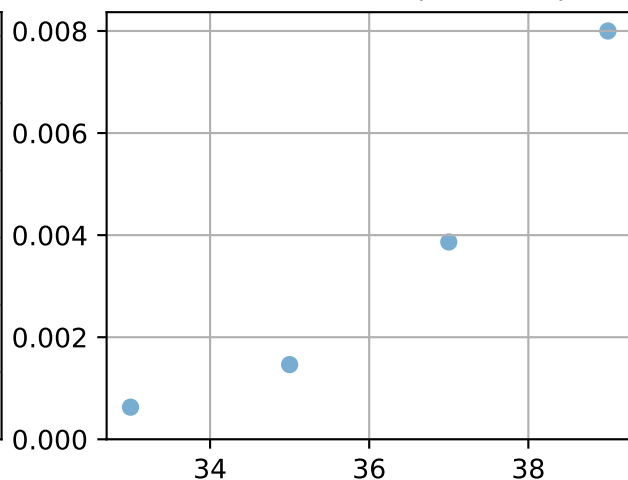
P3-054-28T2Fr5 (fit failed)



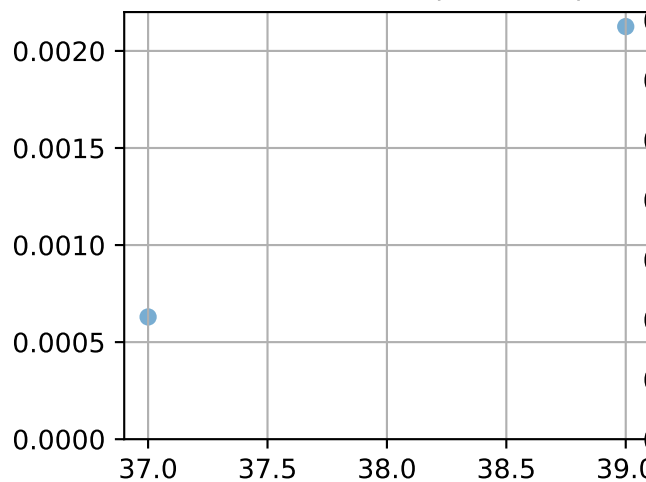
P3-068-4T1Fr1 (fit failed)



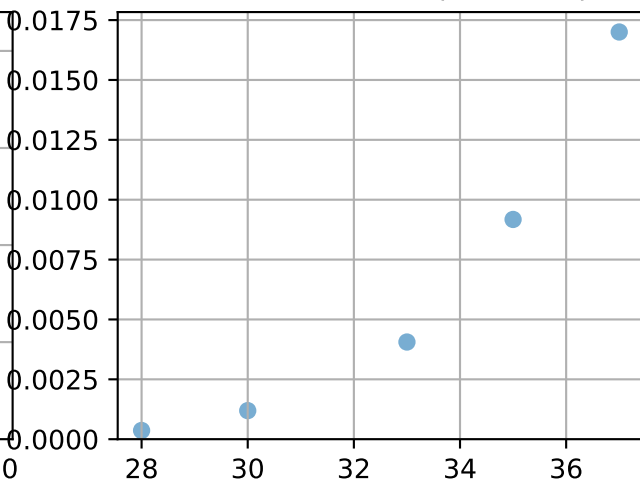
P3-068-4T1Fr5 (fit failed)



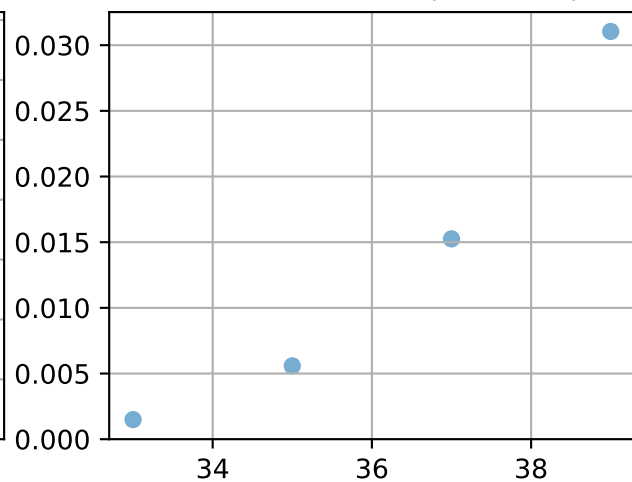
P3-068-4T2Fr1 (fit failed)



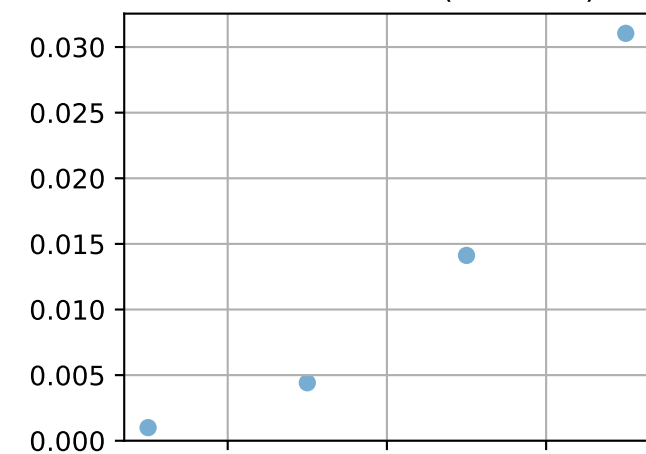
P3-075-19T1Fr1 (fit failed)



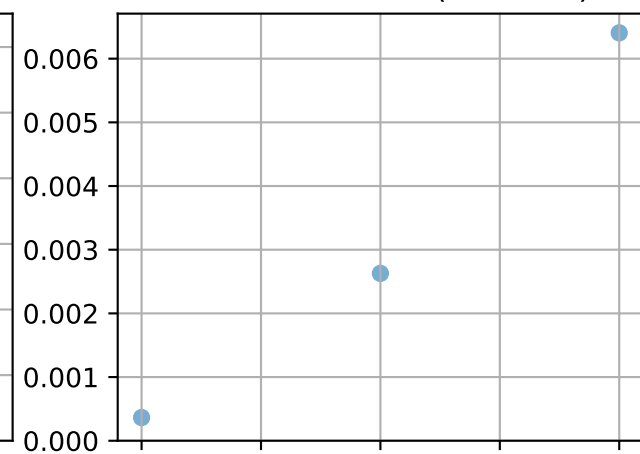
P3-075-19T1Fr5 (fit failed)



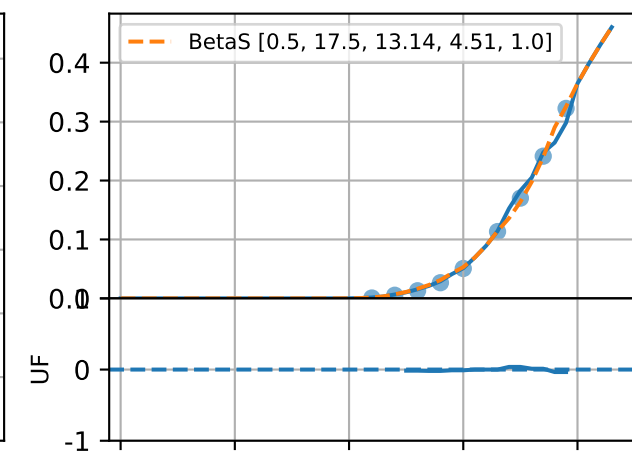
P3-075-19T2Fr1 (fit failed)



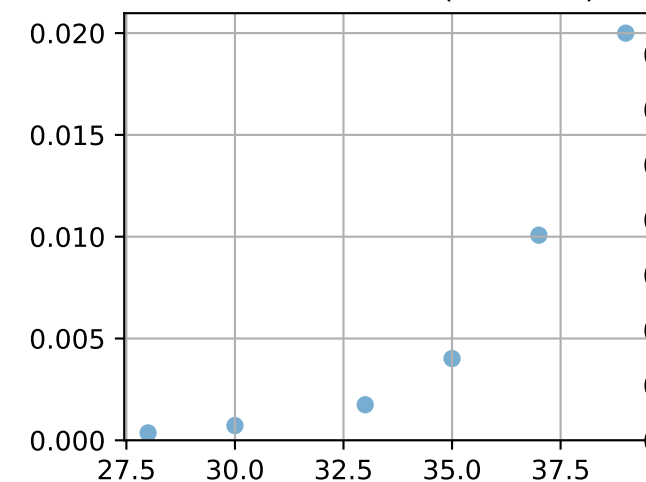
P3-075-19T2Fr5 (fit failed)



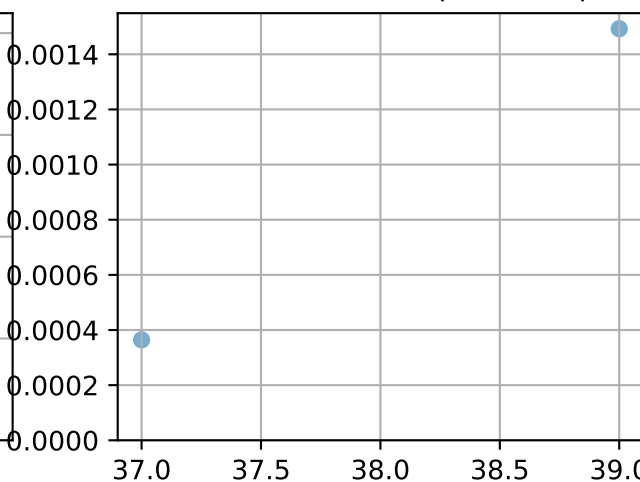
P3-084-11T1Fr1



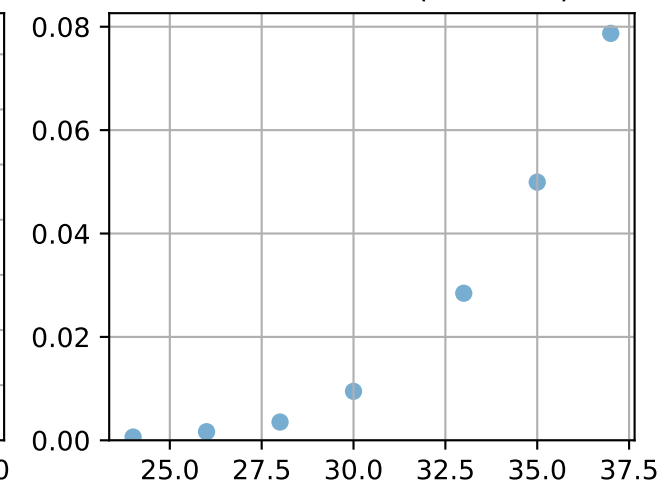
P3-084-11T1Fr5 (fit failed)



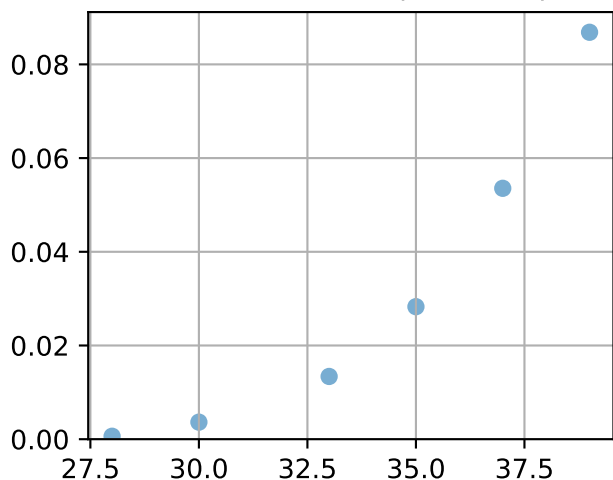
P3-084-11T2Fr5 (fit failed)



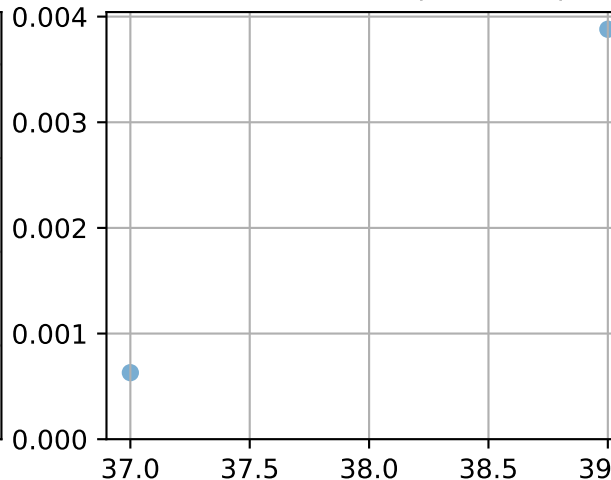
P3-099-4T1Fr1 (fit failed)



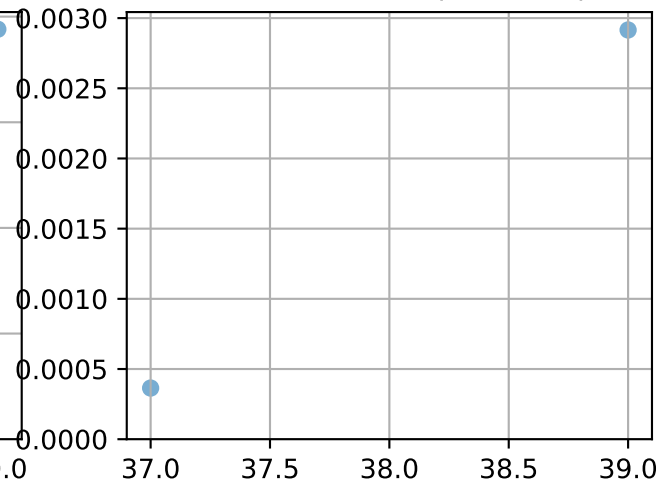
P3-099-4T1Fr5 (fit failed)



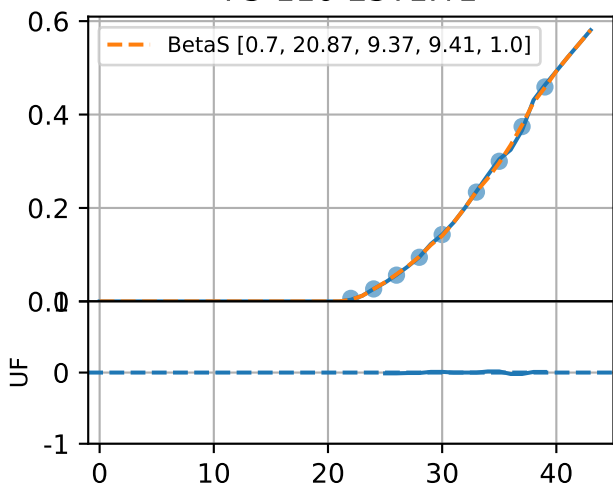
P3-099-4T2Fr1 (fit failed)



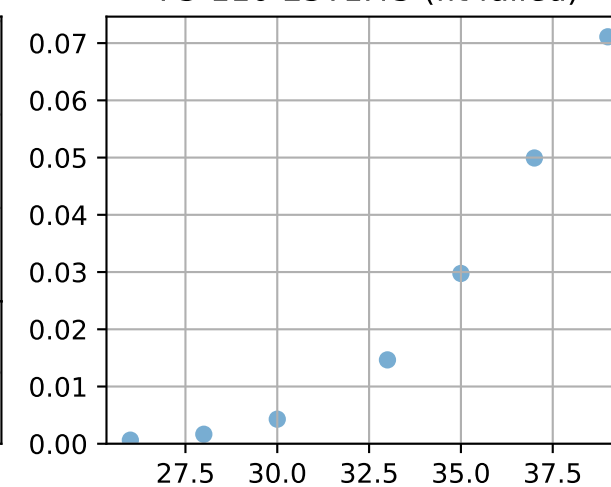
P3-099-4T2Fr5 (fit failed)



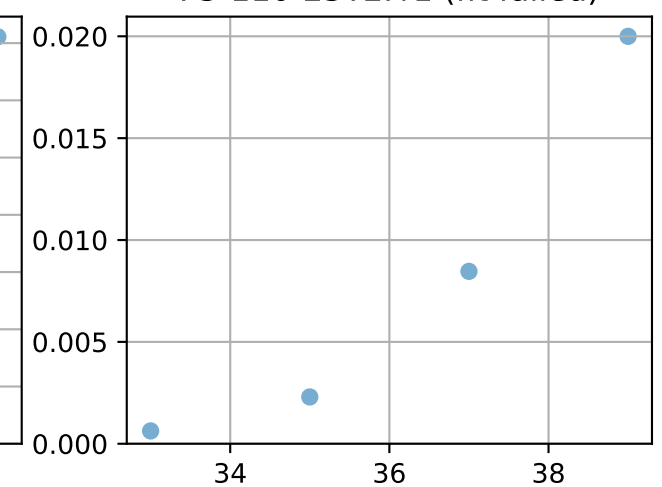
P3-110-23T1Fr1



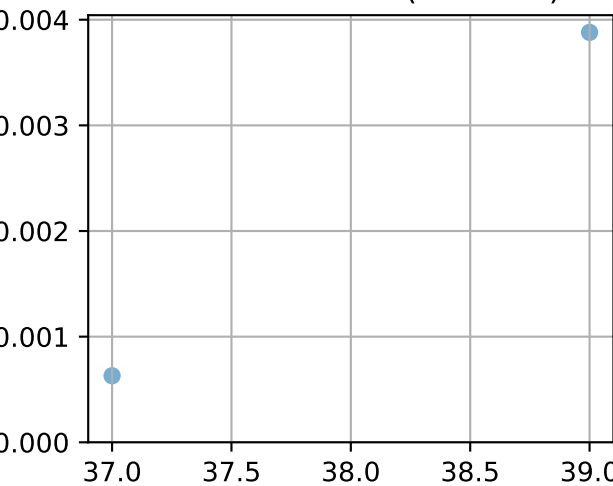
P3-110-23T1Fr5 (fit failed)

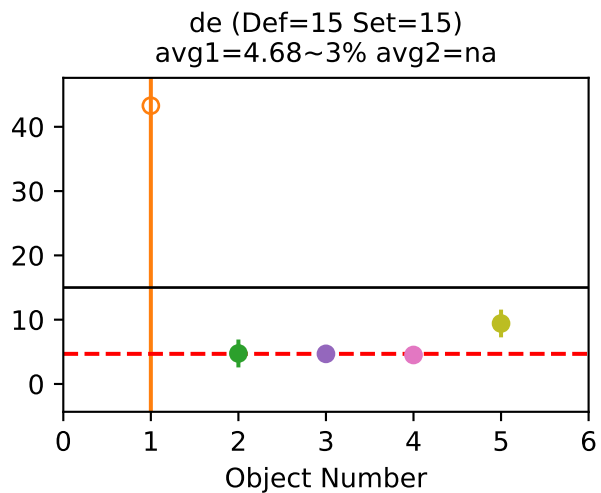
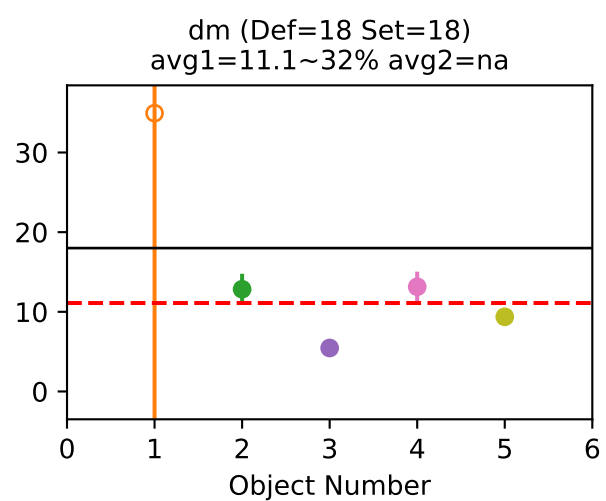
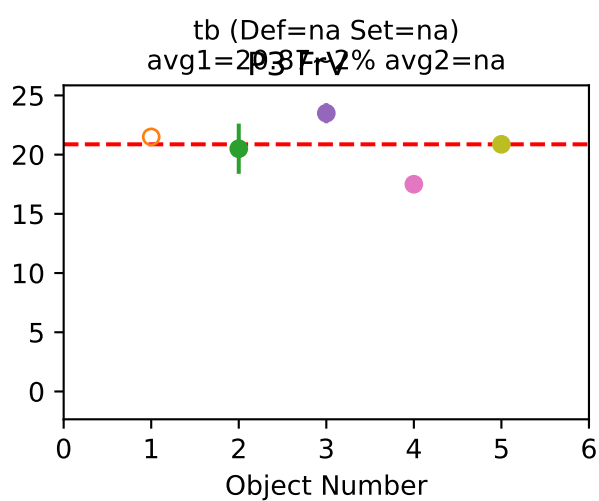
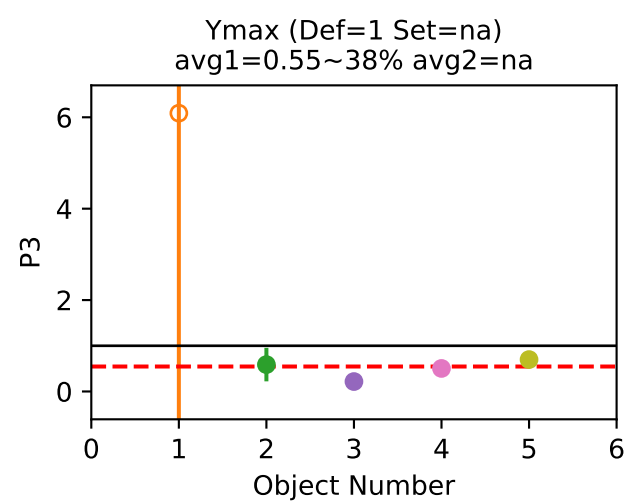


P3-110-23T2Fr1 (fit failed)

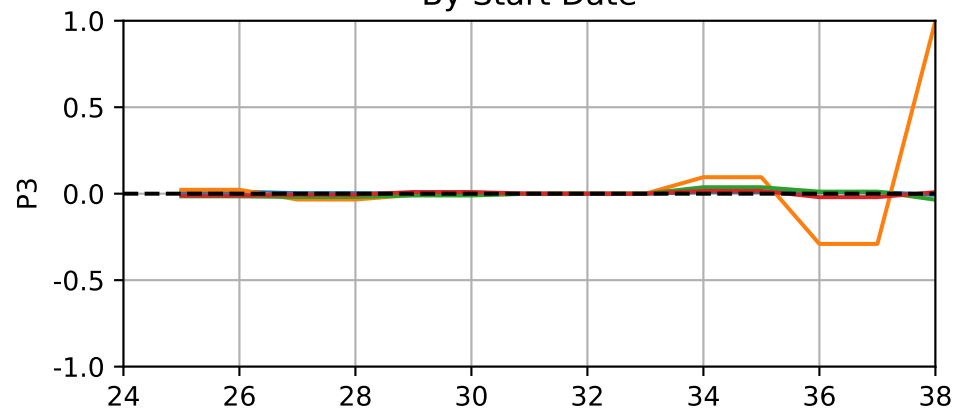


P3-110-23T2Fr5 (fit failed)

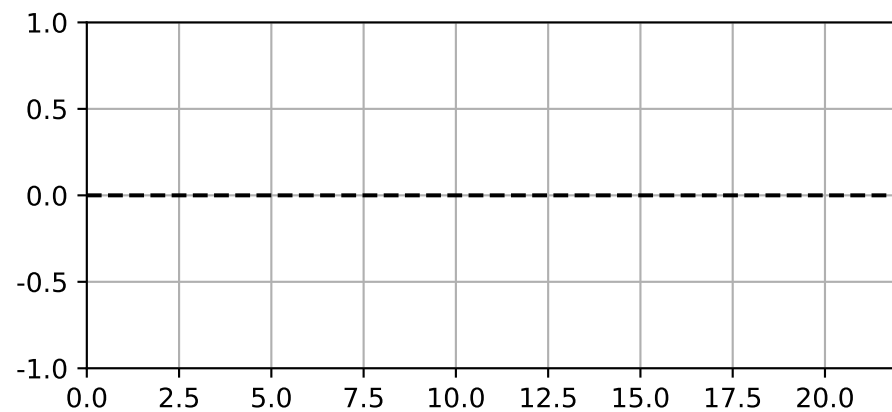
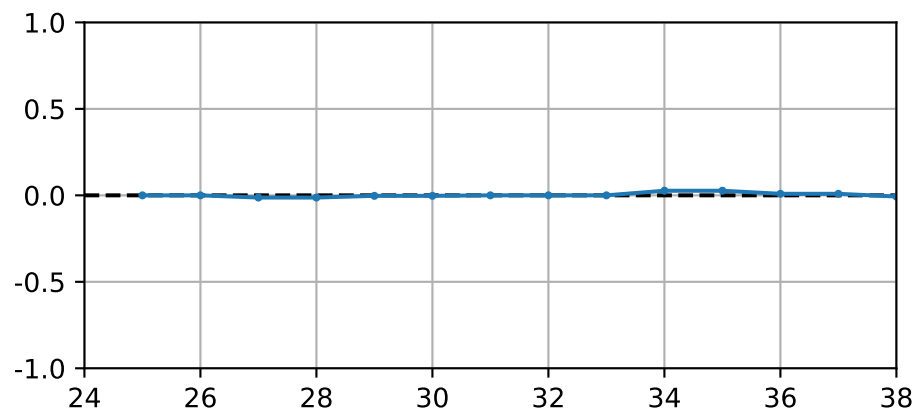
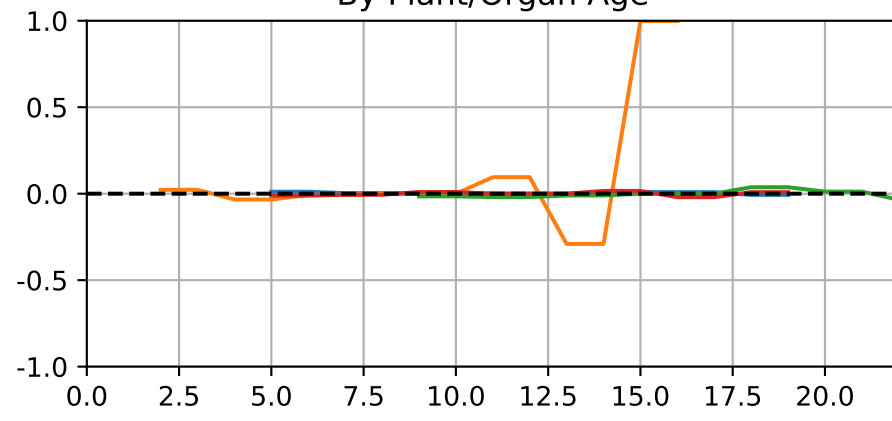




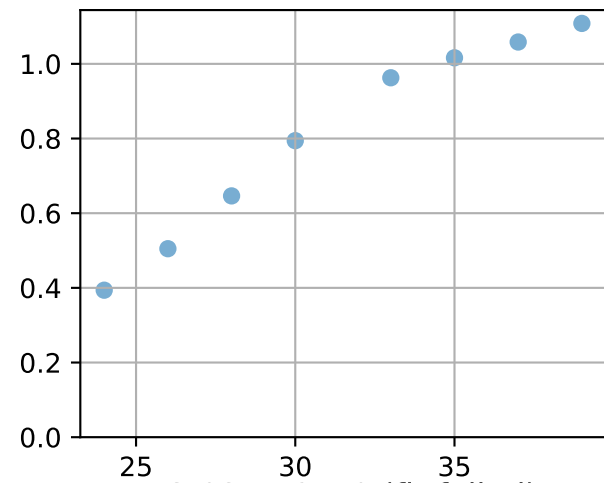
By Start Date



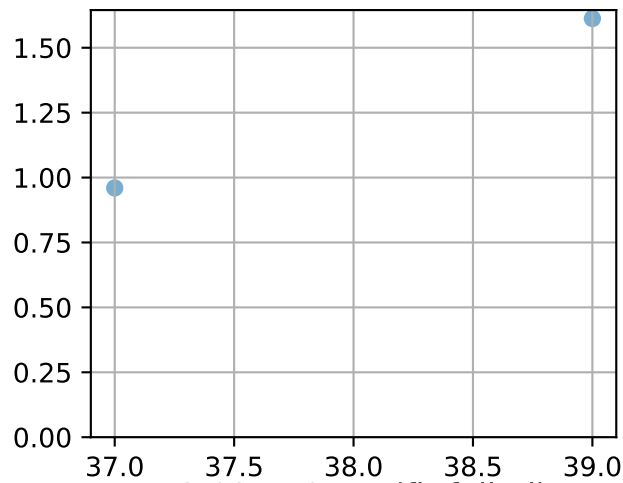
By Plant/Organ Age



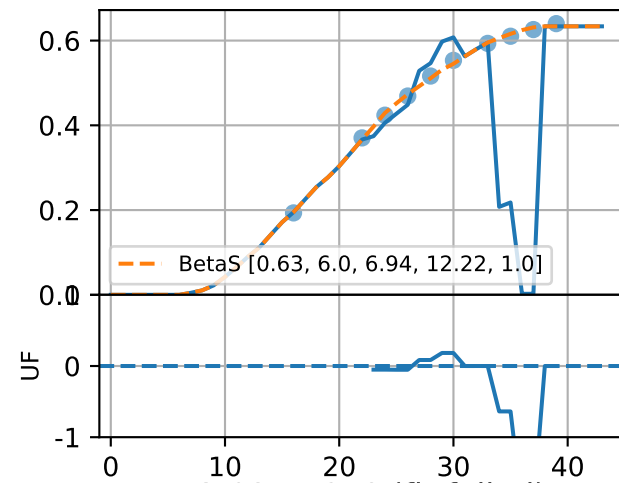
P3-009-13L10 (fit failed)



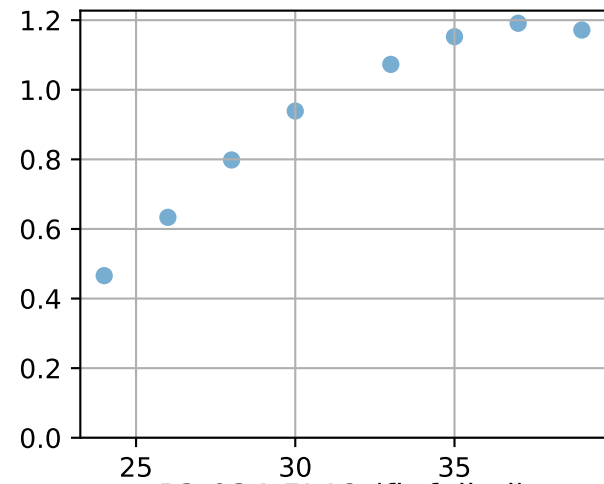
P3-009-13L15 (fit failed)



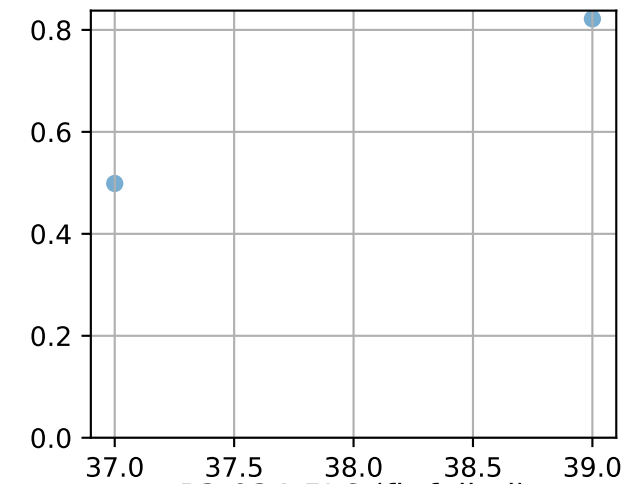
P3-009-13L7



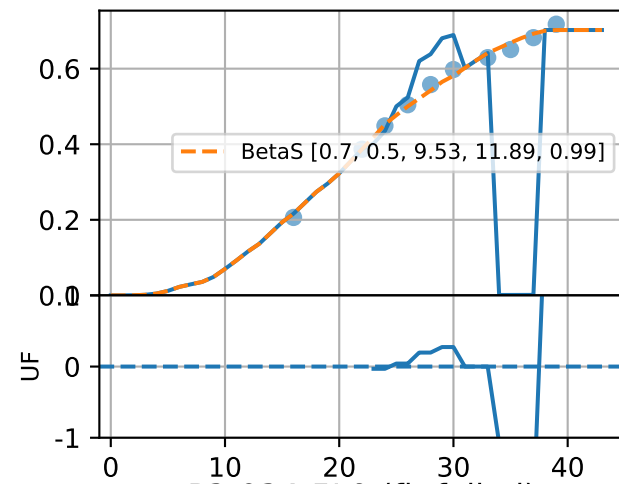
P3-021-19L10 (fit failed)



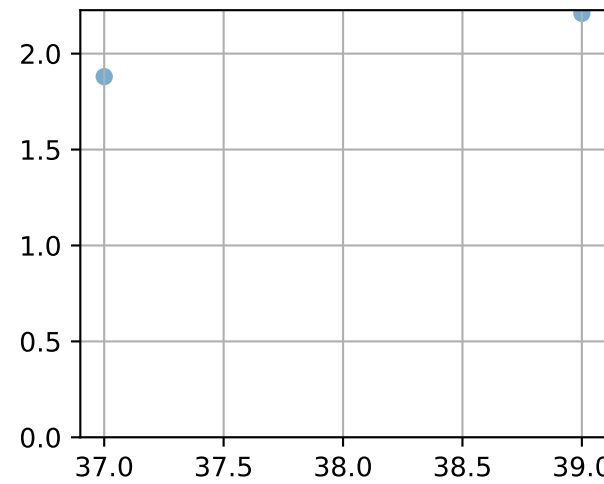
P3-021-19L15 (fit failed)



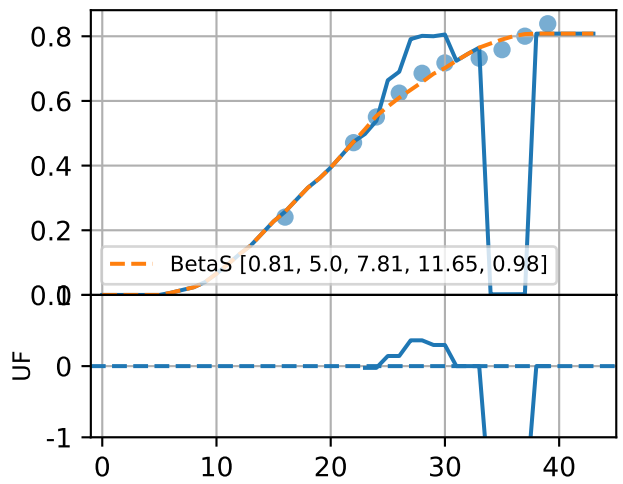
P3-021-19L6 (fit failed)



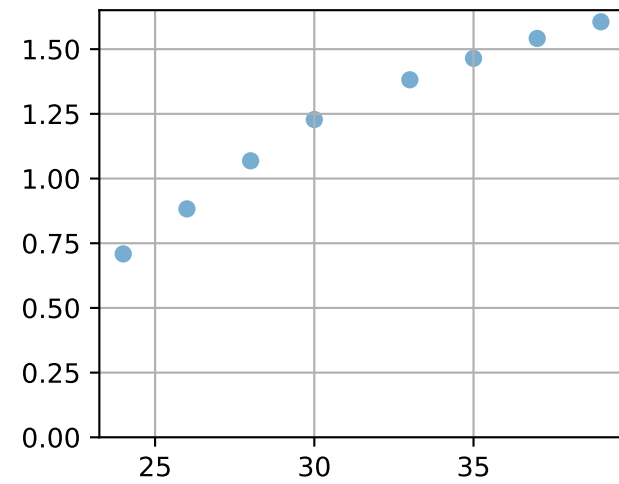
P3-034-5L12 (fit failed)



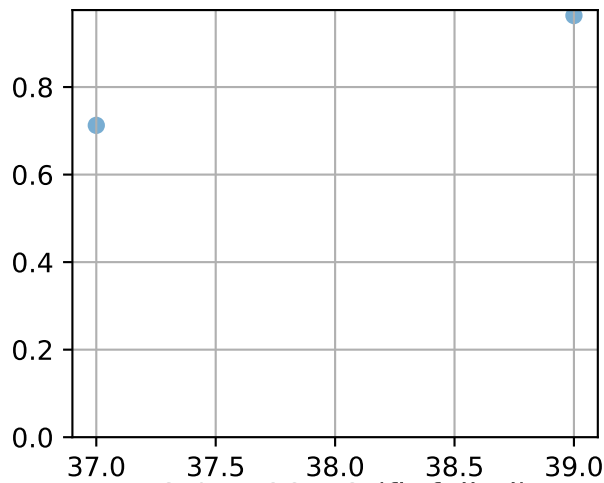
P3-034-5L6 (fit failed)



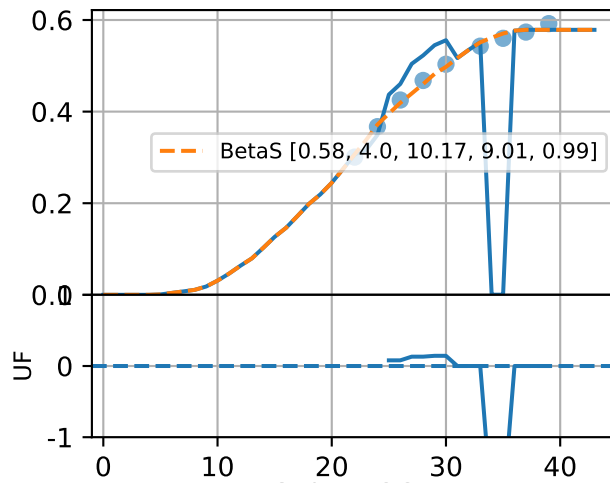
P3-034-5L9 (fit failed)



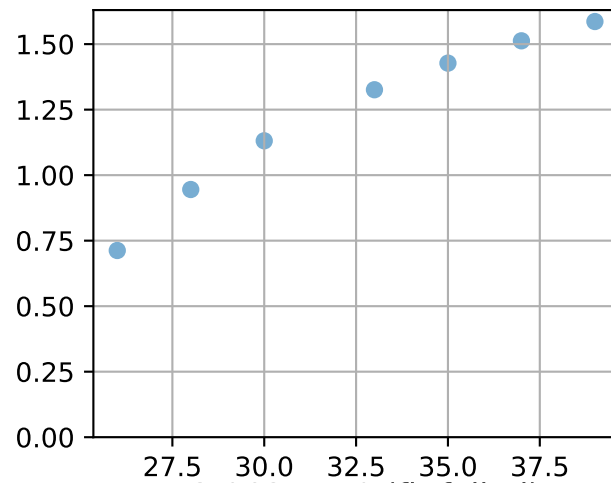
P3-045-17L12 (fit failed)



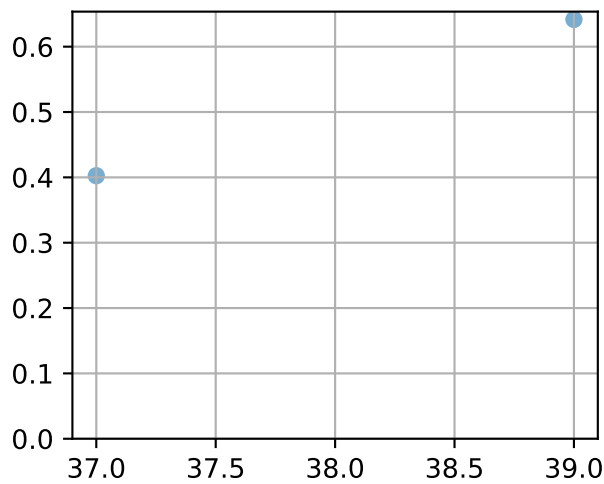
P3-045-17L6 (fit failed)



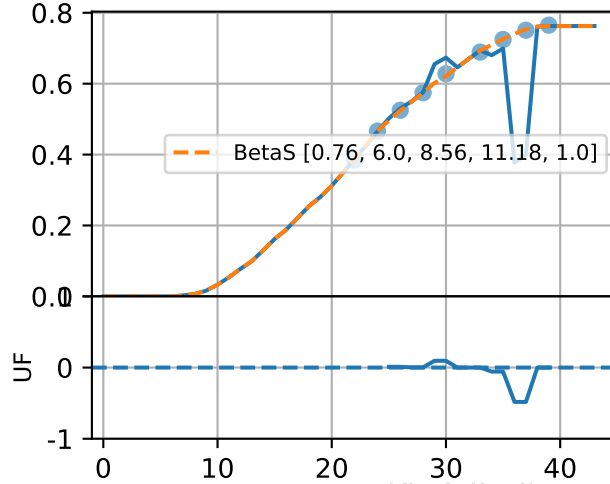
P3-054-28L10 (fit failed)



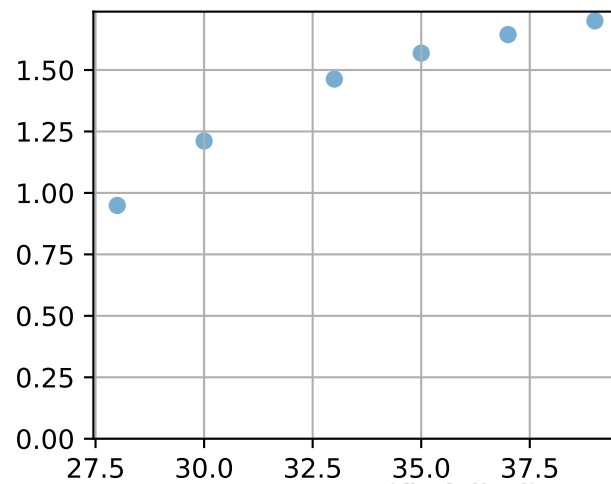
P3-054-28L13 (fit failed)



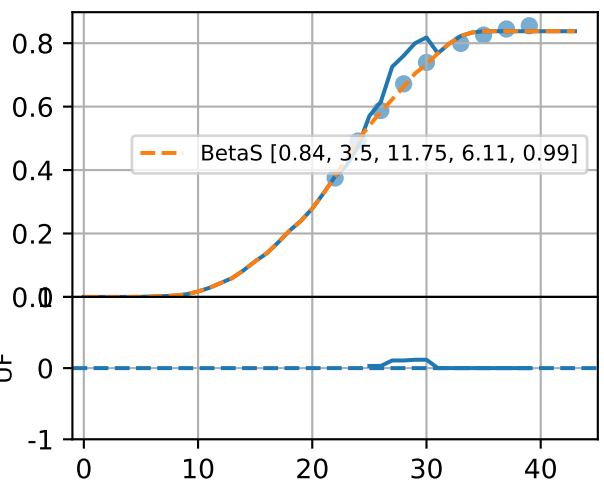
P3-054-28L7



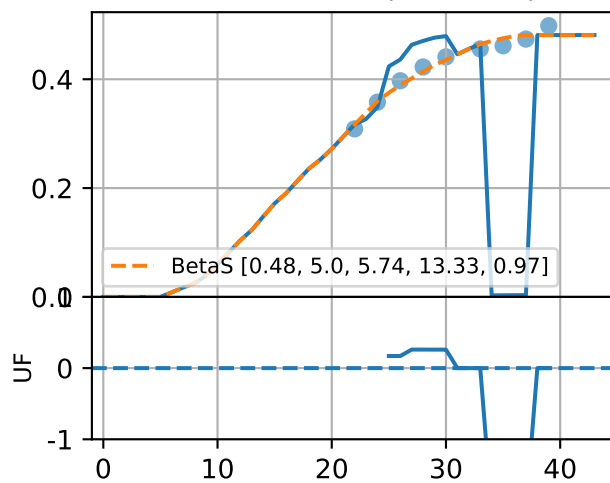
P3-068-4L10 (fit failed)



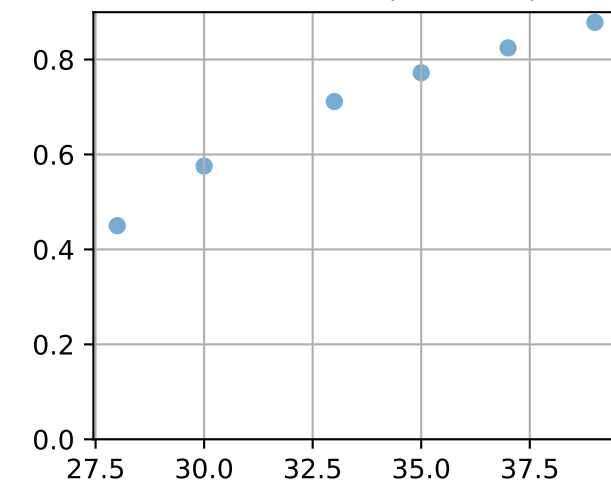
P3-068-4L7



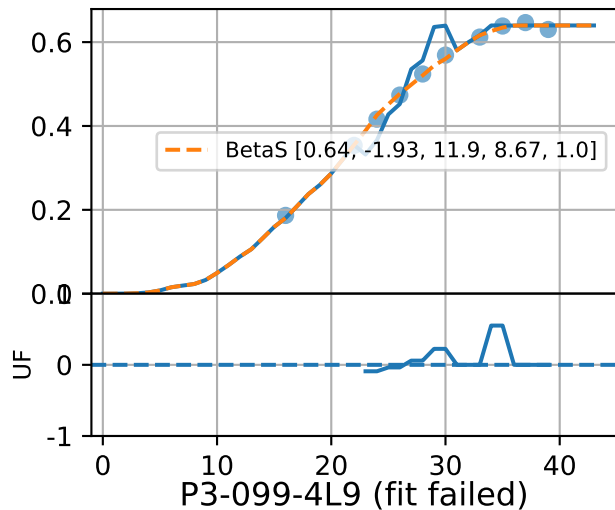
P3-075-19L6 (fit failed)



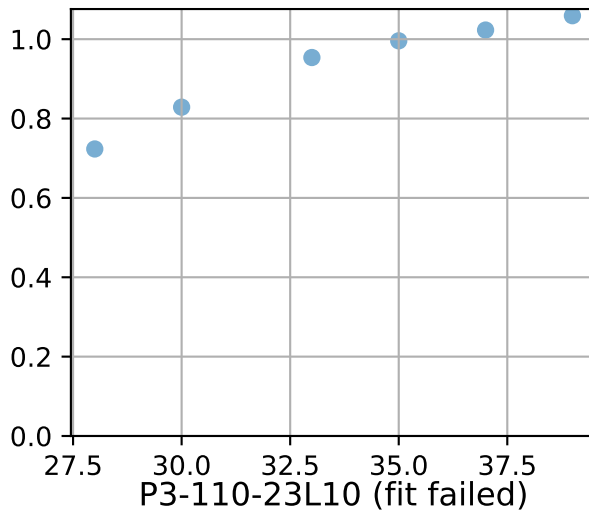
P3-075-19L9 (fit failed)



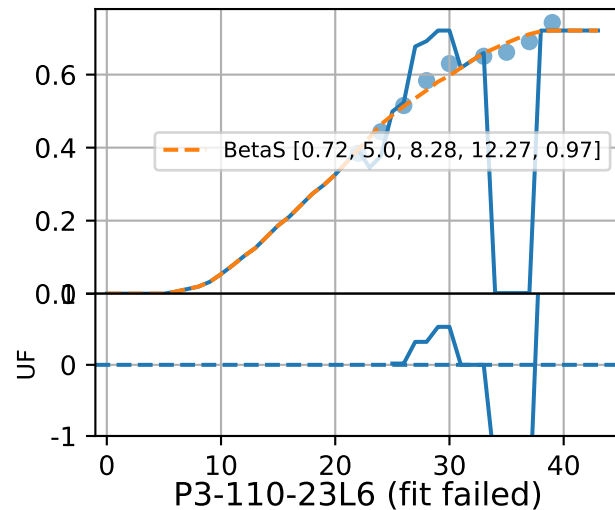
P3-084-11L6



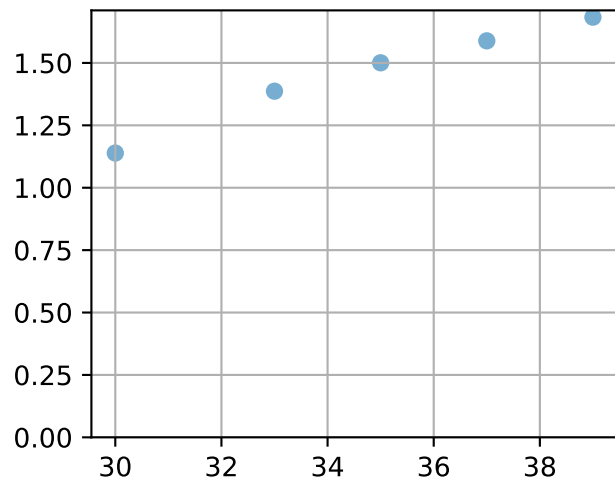
P3-084-11L9 (fit failed)



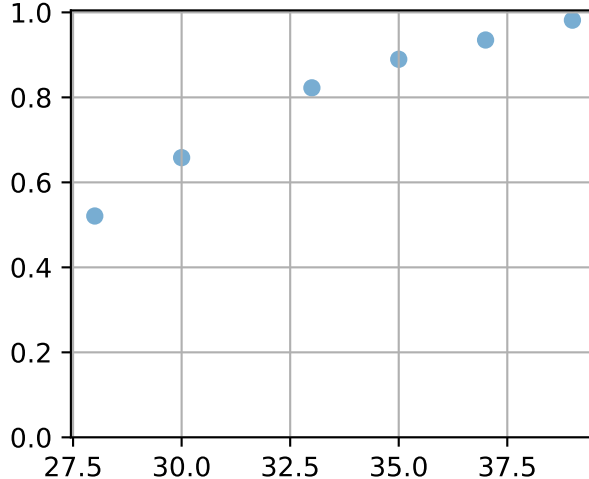
P3-099-4L6 (fit failed)



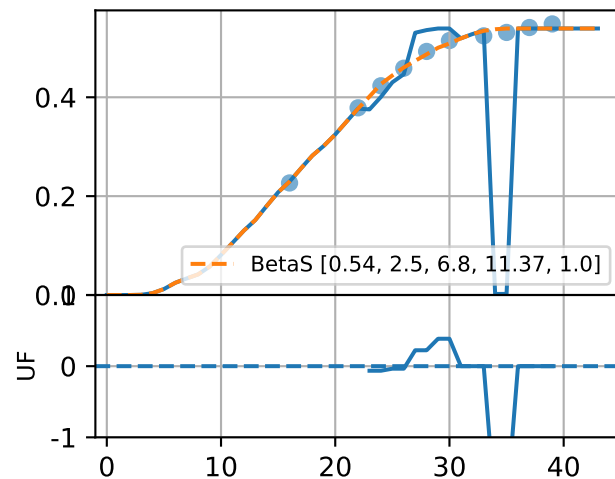
P3-099-4L9 (fit failed)

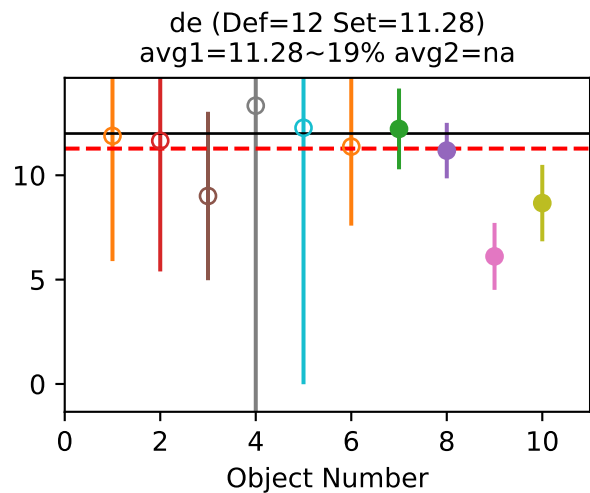
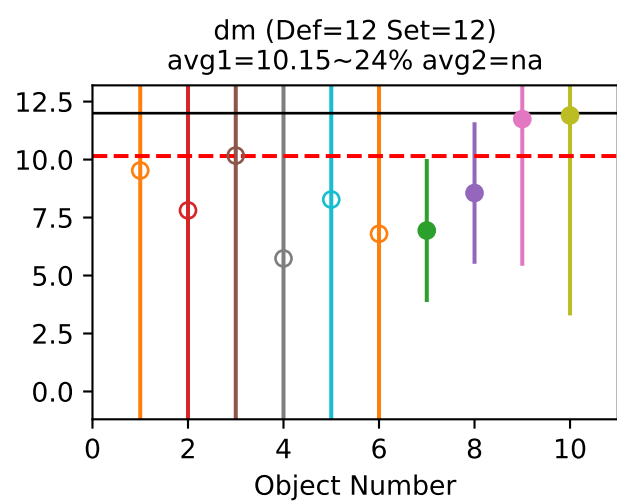
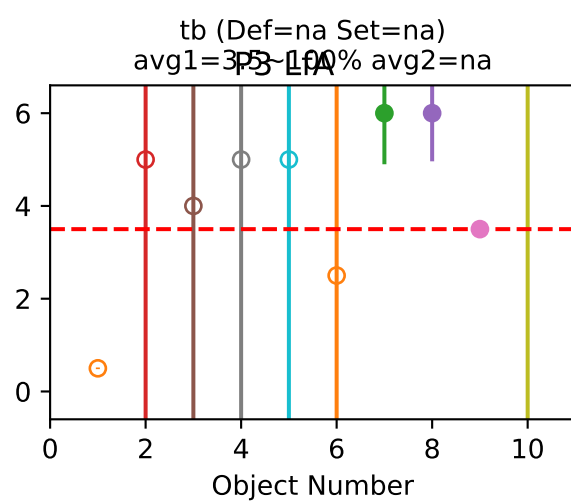
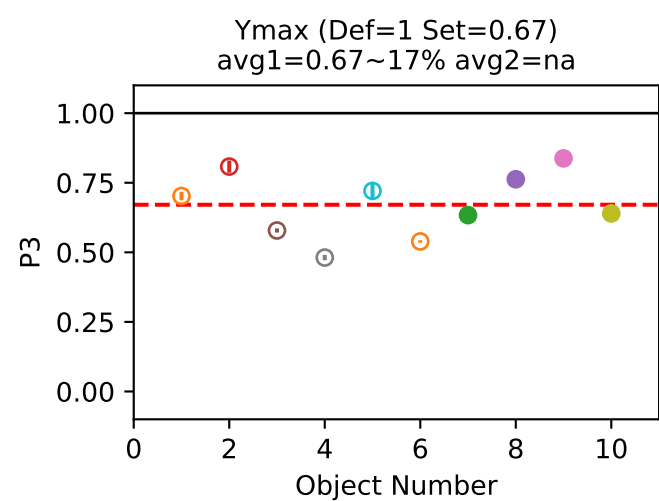


P3-110-23L10 (fit failed)

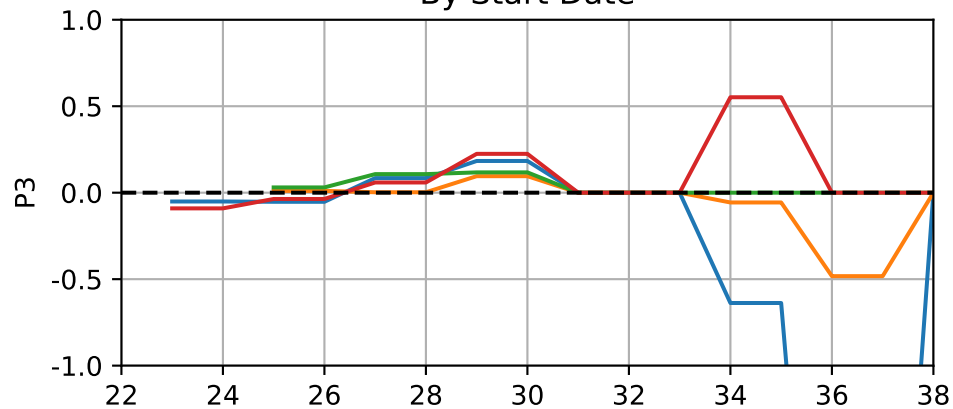


P3-110-23L6 (fit failed)

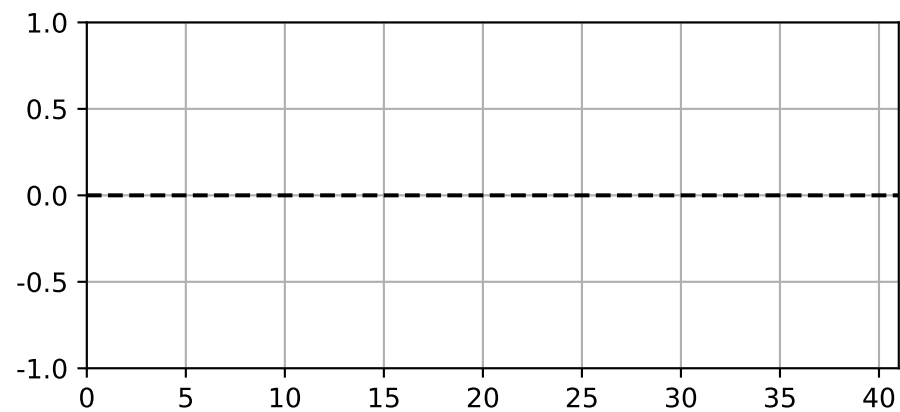
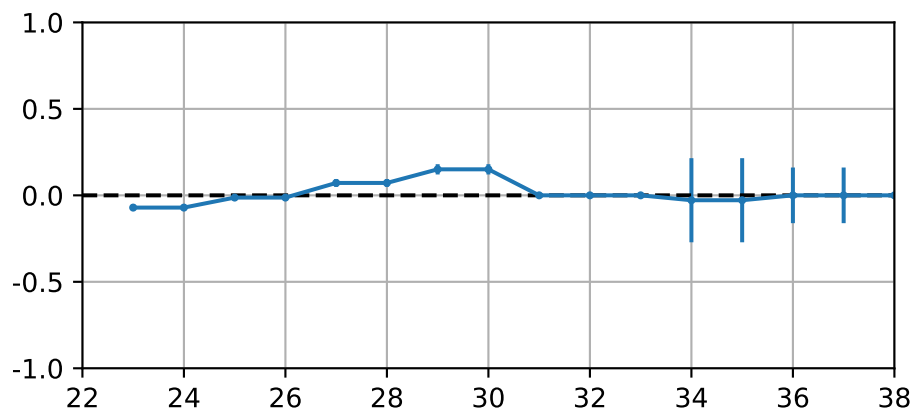
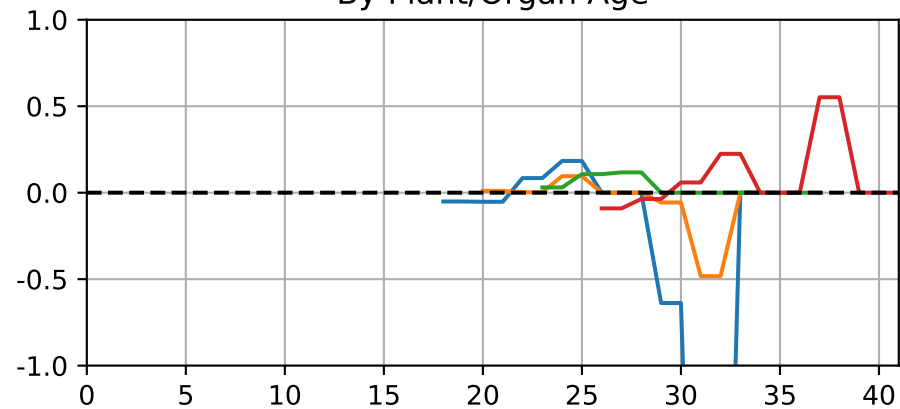


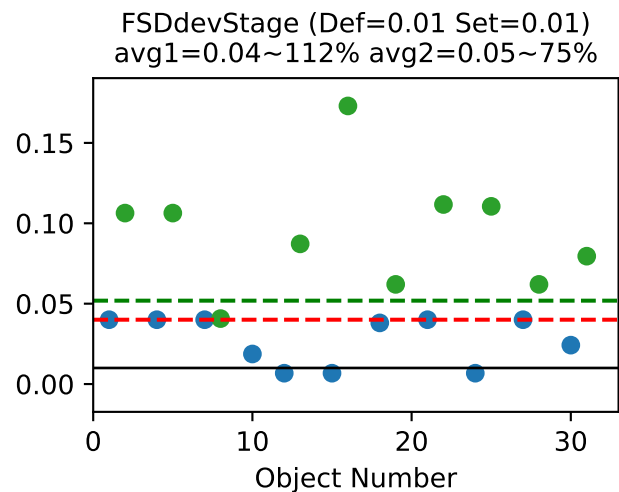
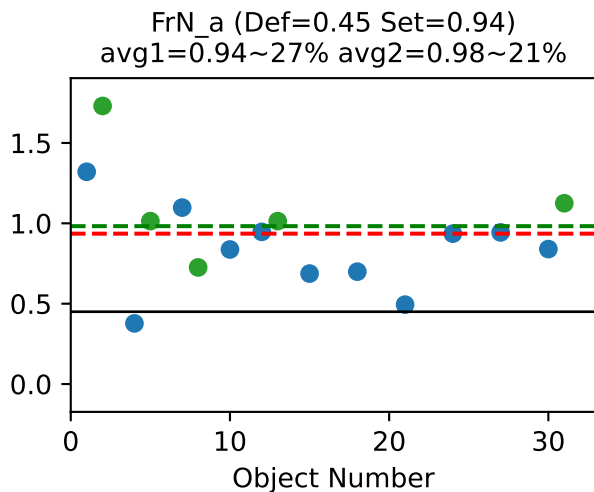
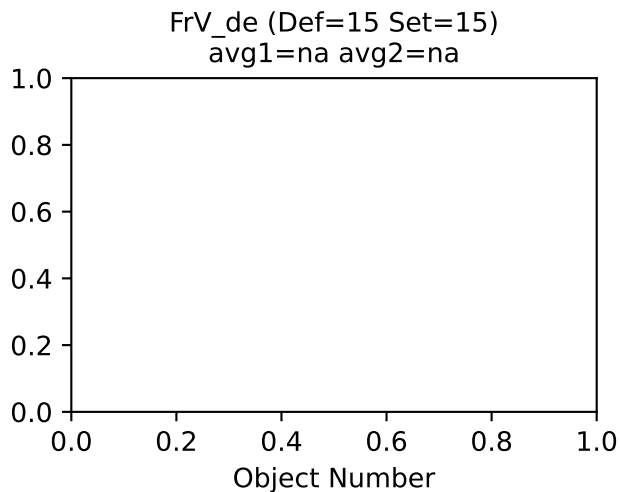
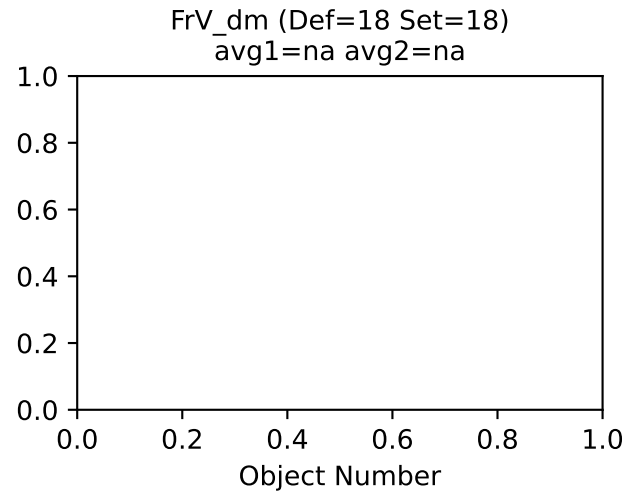
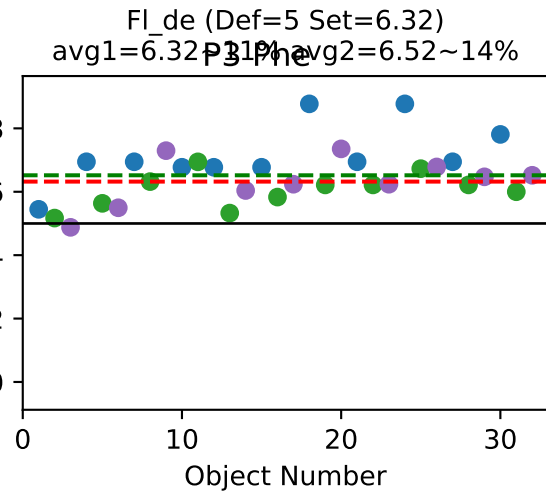
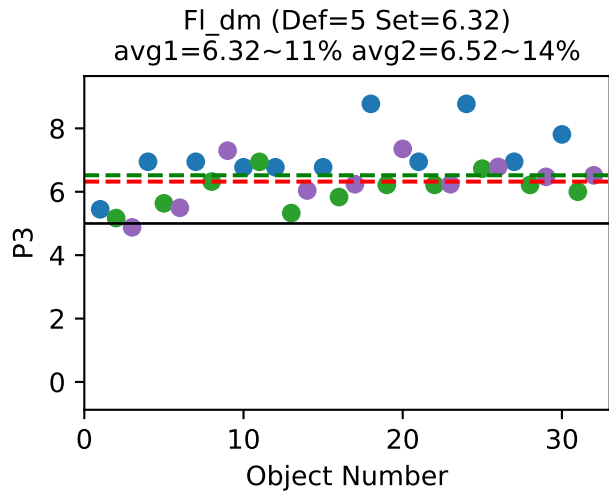


By Start Date

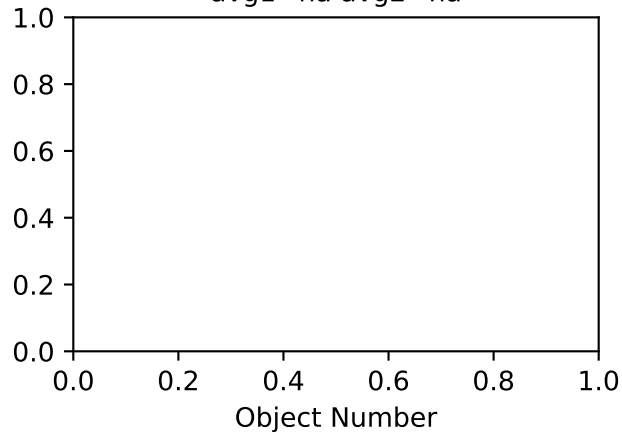


By Plant/Organ Age

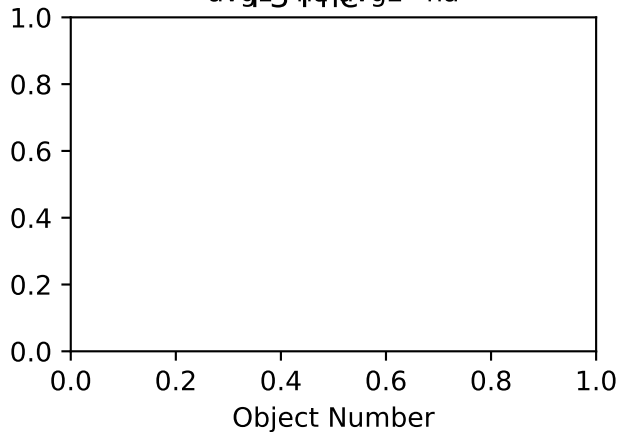




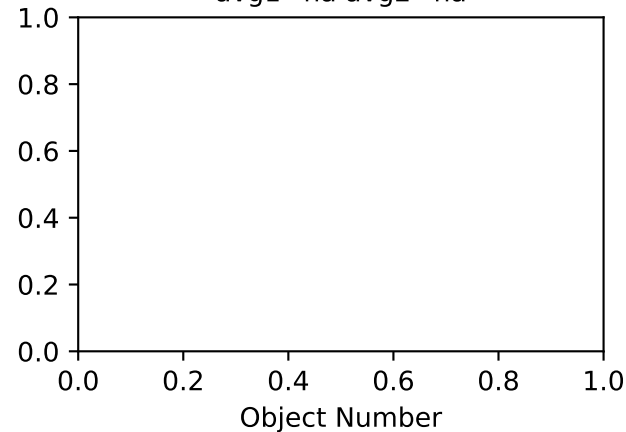
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



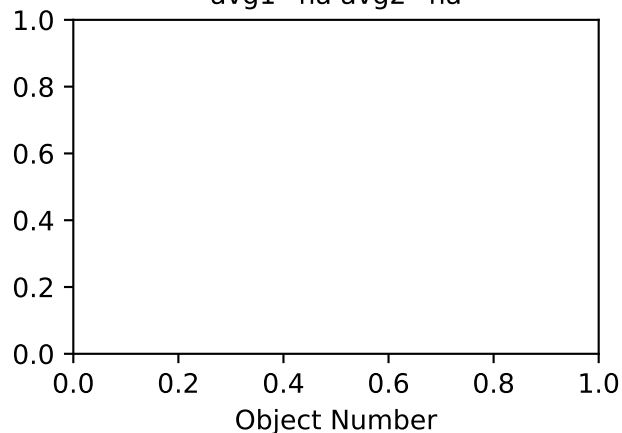
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



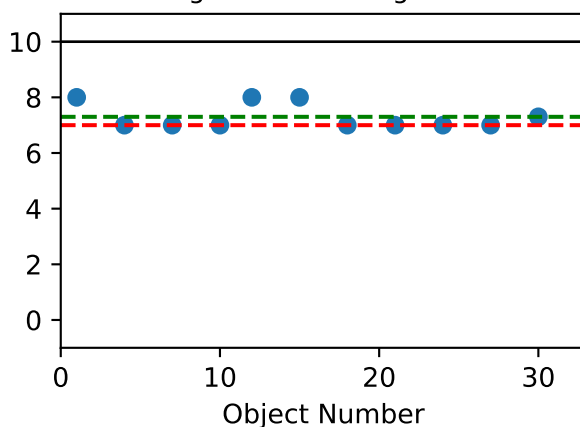
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

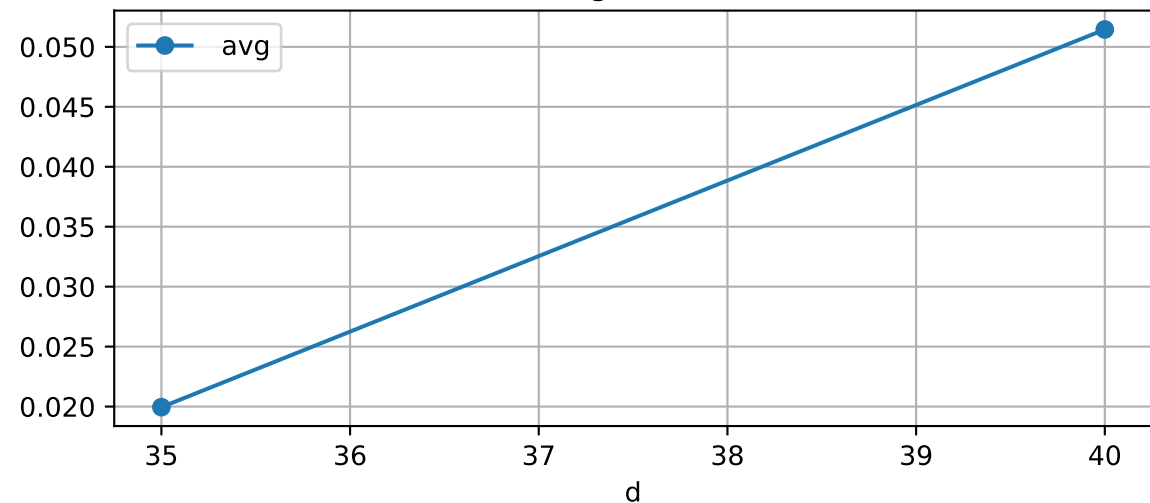


NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

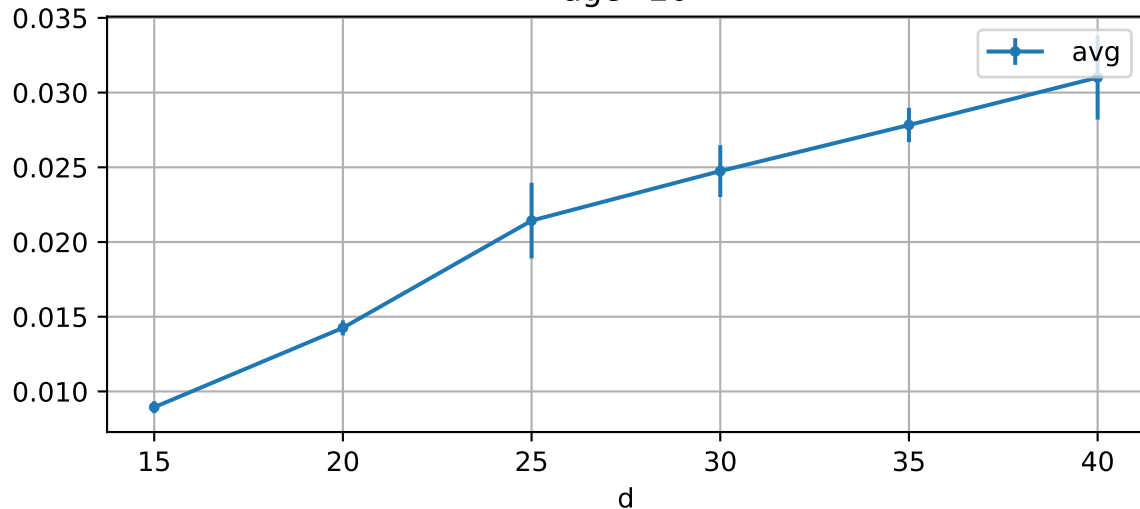


LfA: avg vs. d at each age group

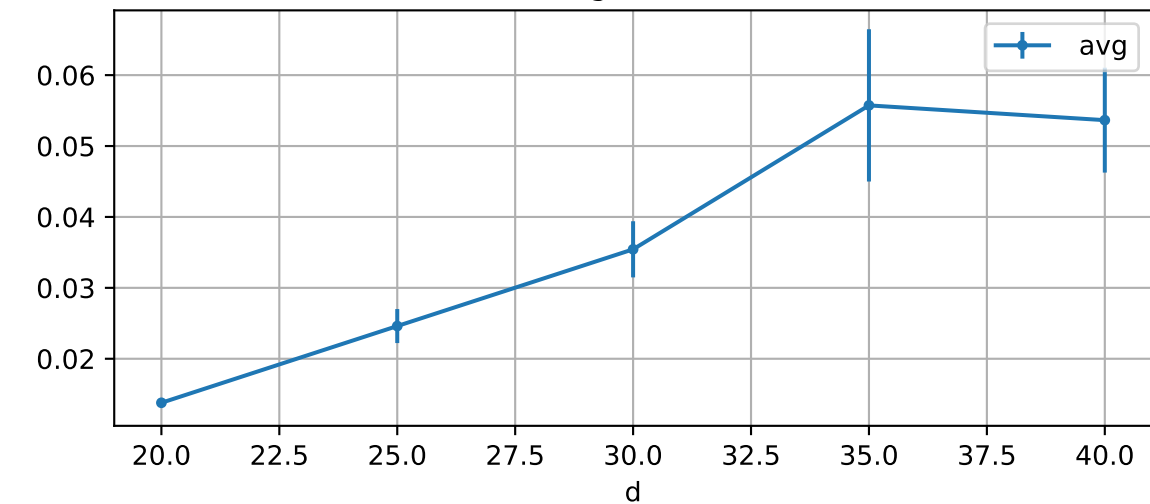
age=15



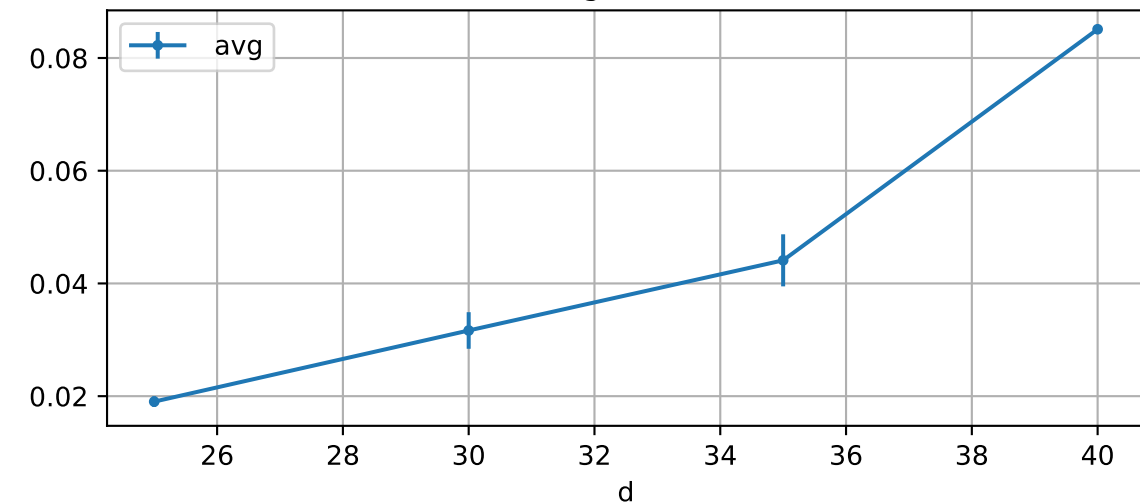
age=20



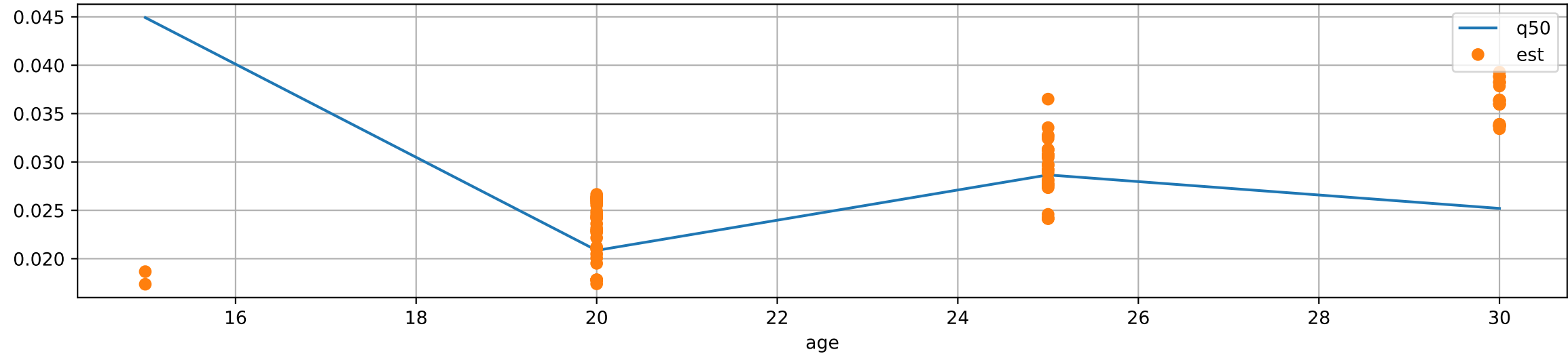
age=25



age=30

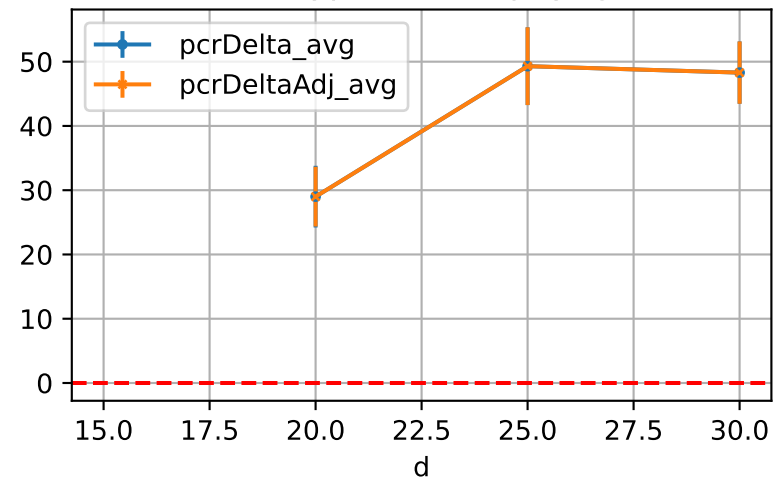


LfA: model est vs obsOv@Q50

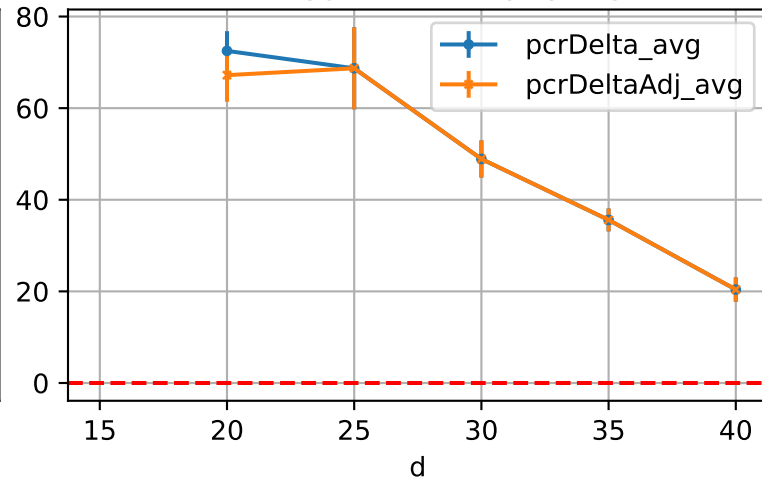


P3 LfA: D_5d_LfA

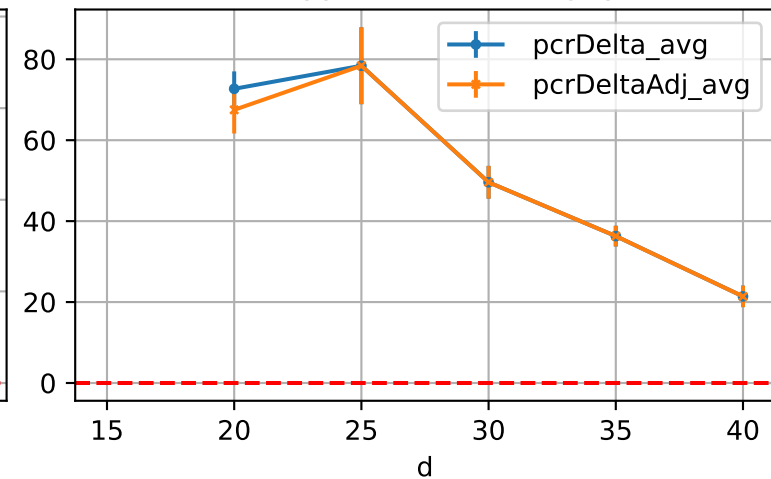
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

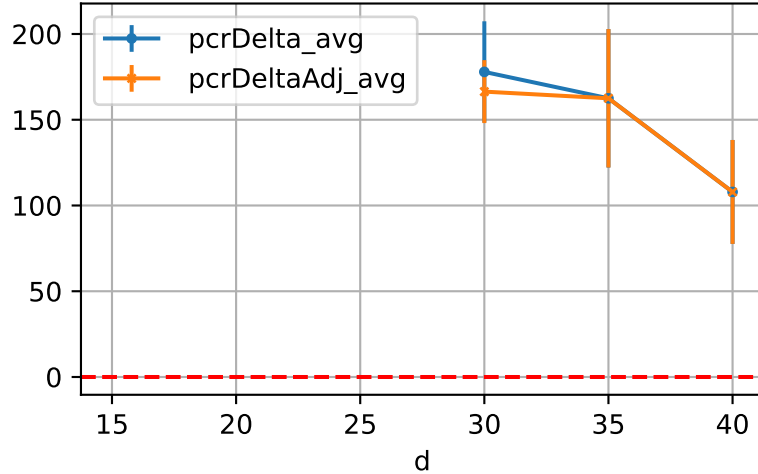


DeltaTypeAbbr=WeiAvgByD

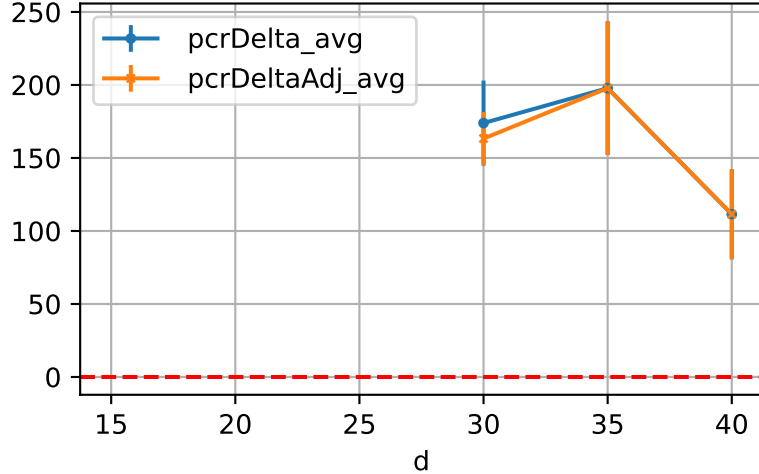


P3 LfA: D_15d_LfA

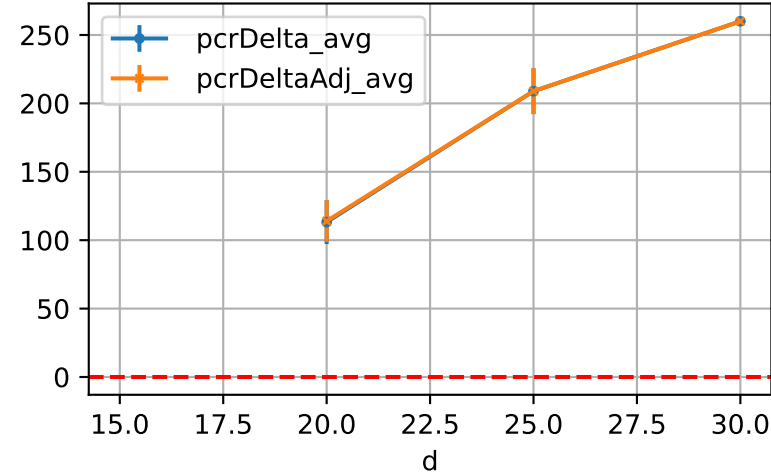
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

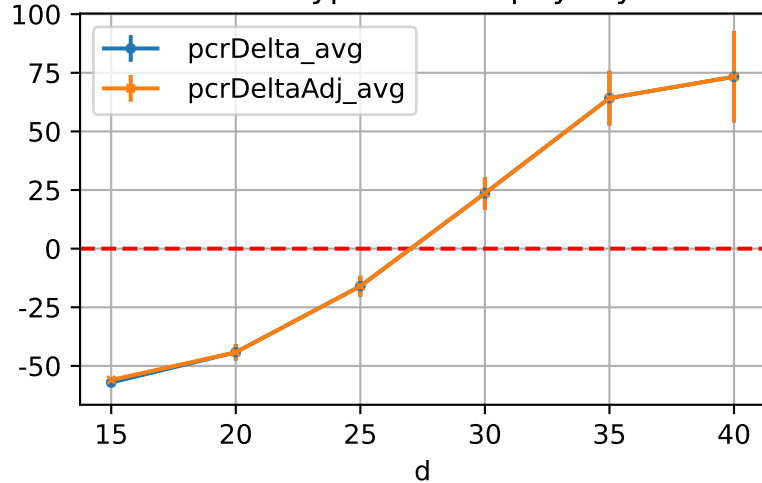


DeltaTypeAbbr=GrpByAge

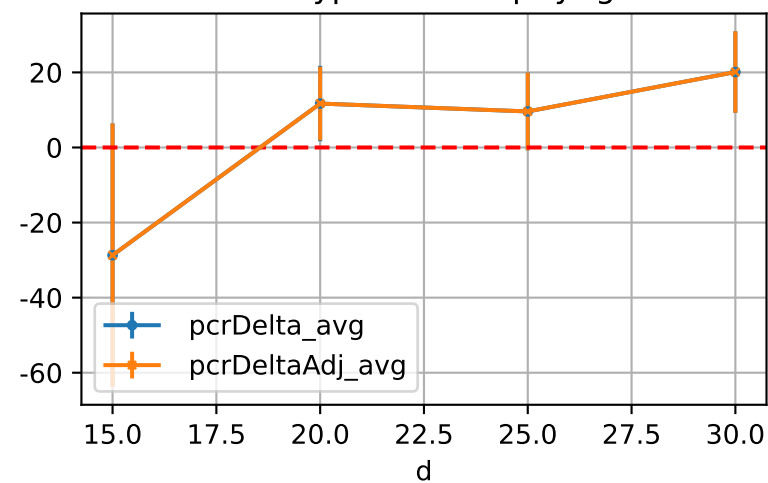


P3 LfA: D_Q50_LfA

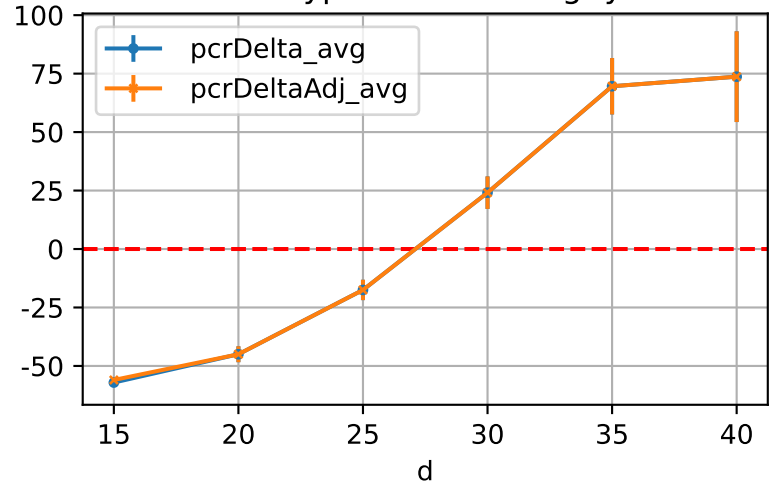
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

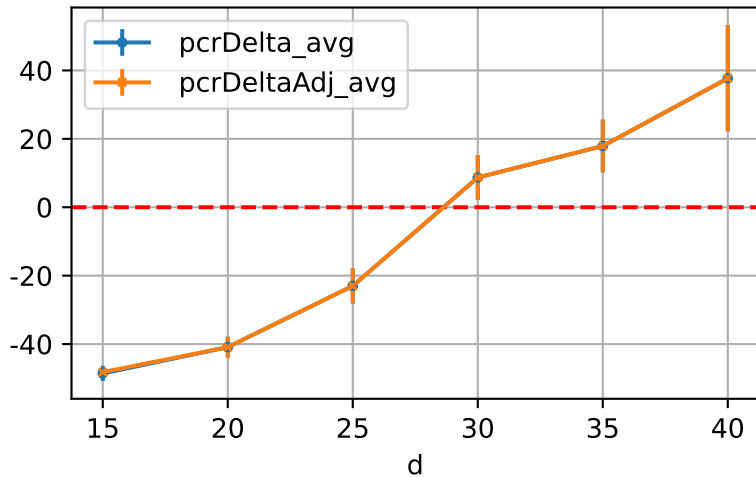


DeltaTypeAbbr=WeiAvgByD

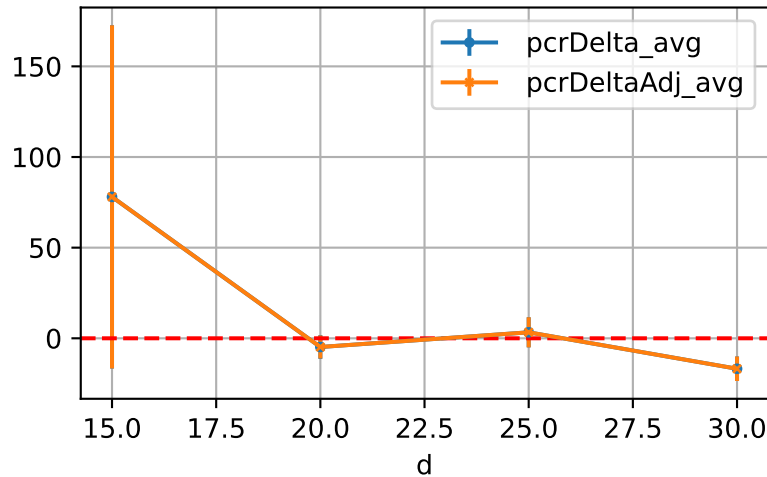


P3 LfA: D_Est_LfA

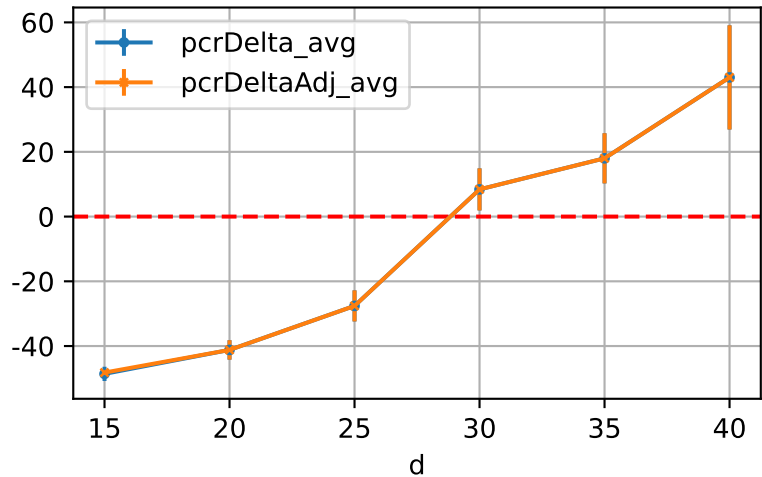
DeltaTypeAbbr=GrpByDay



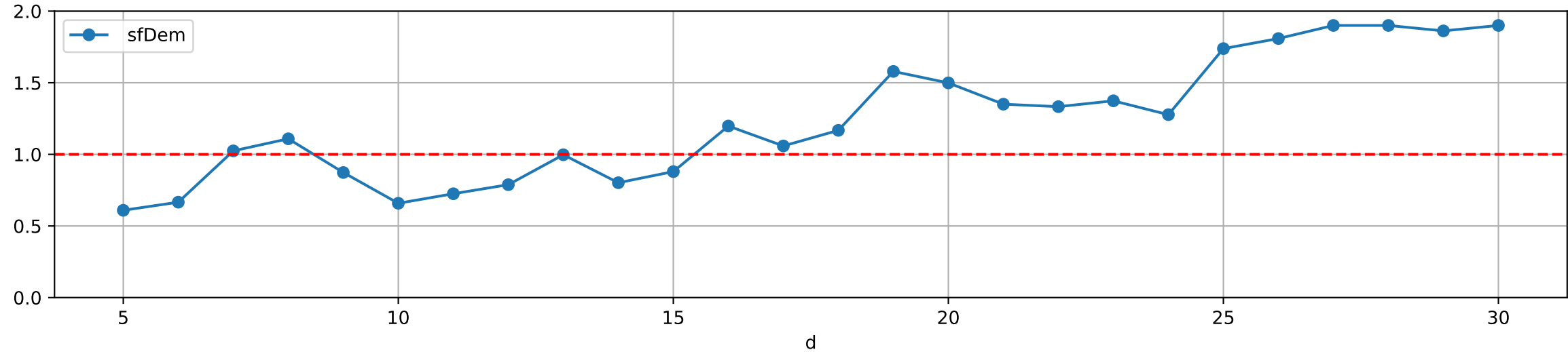
DeltaTypeAbbr=GrpByAge

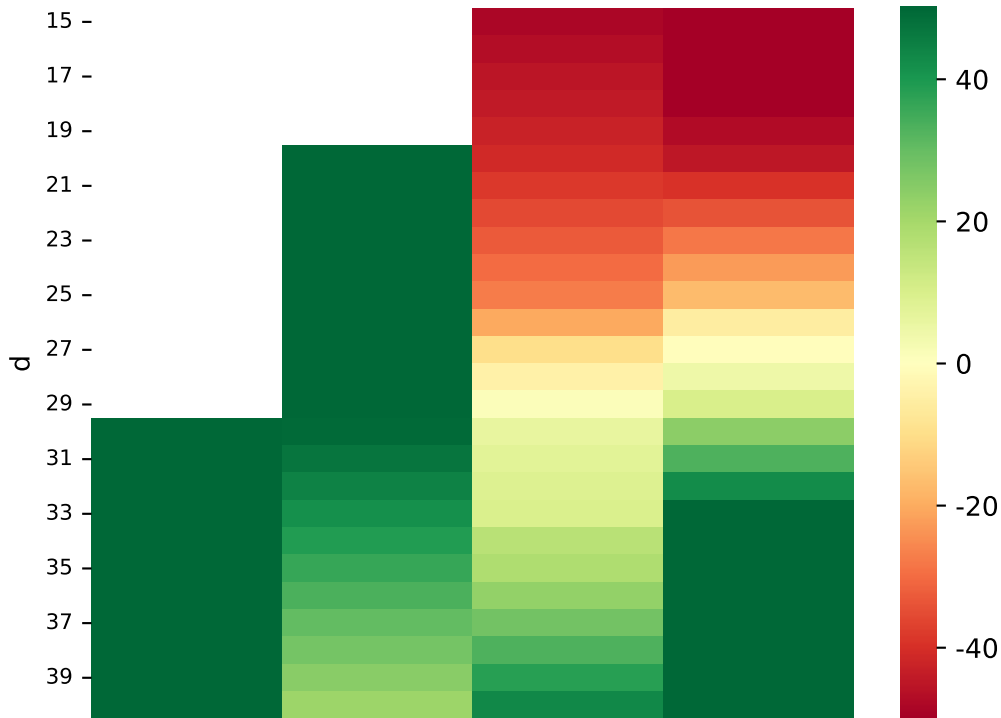


DeltaTypeAbbr=WeiAvgByD



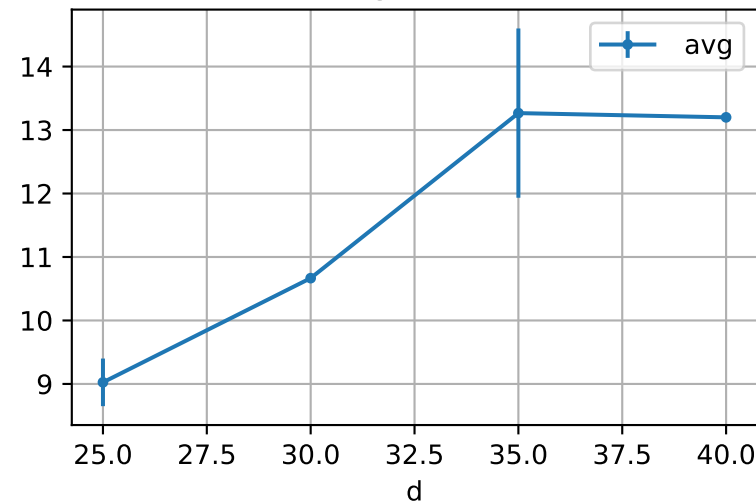
LfA: sfDem



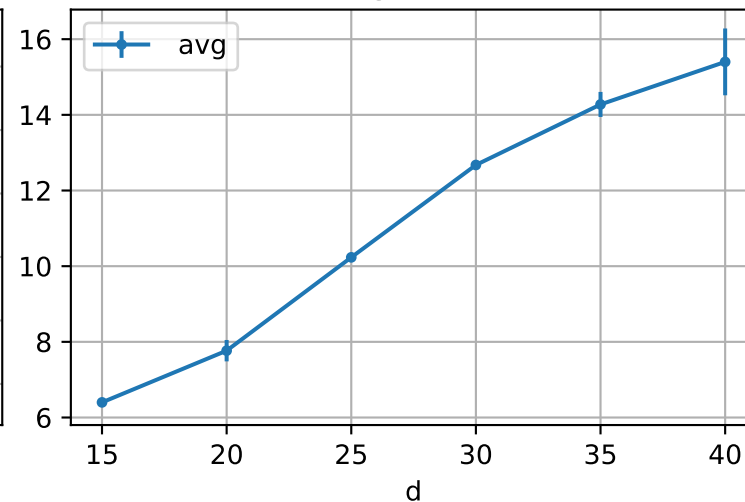


NdD: avg vs. d at each age group

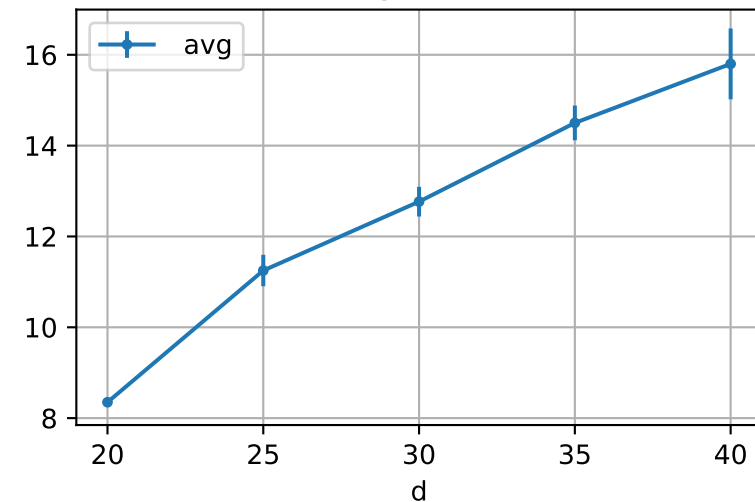
age=15



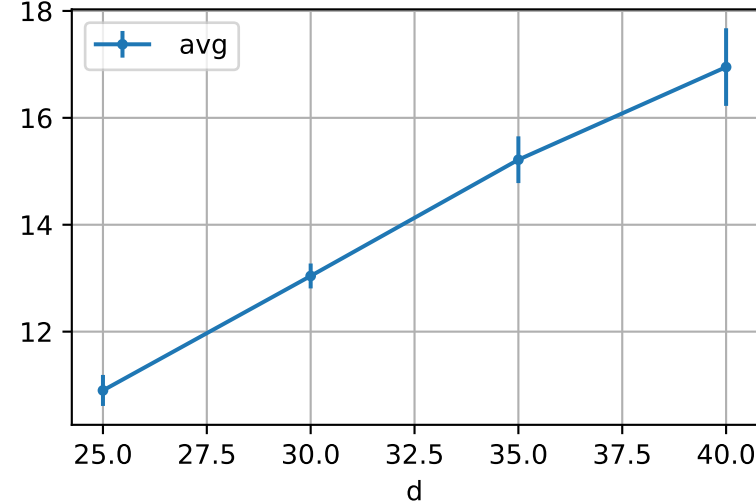
age=20



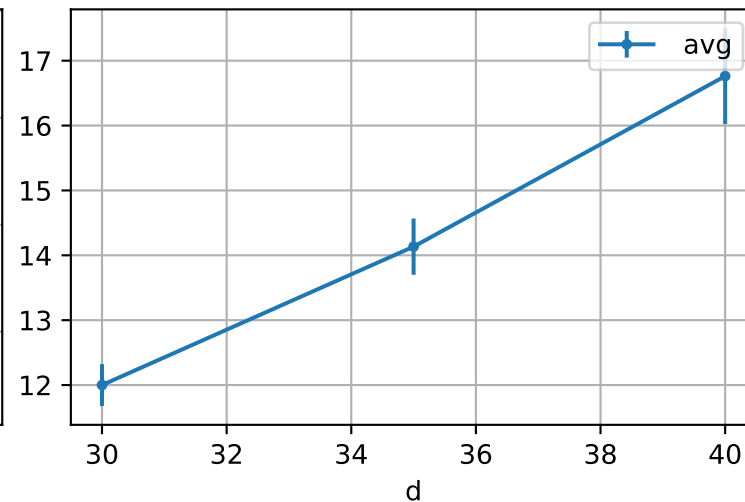
age=25



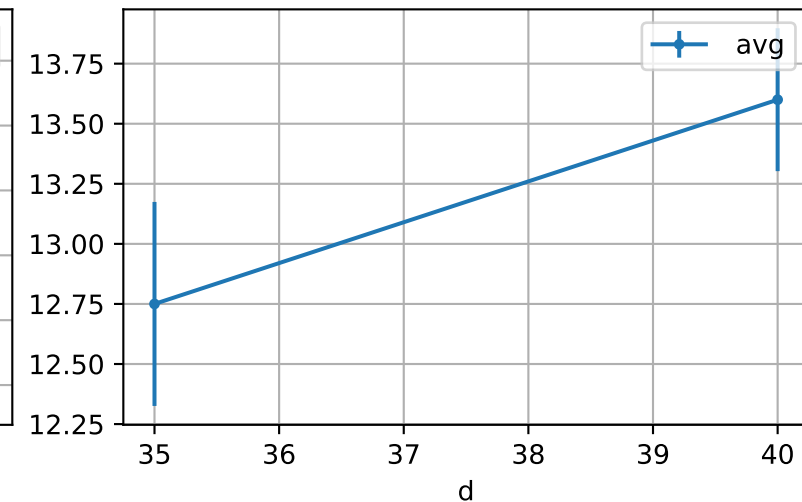
age=30



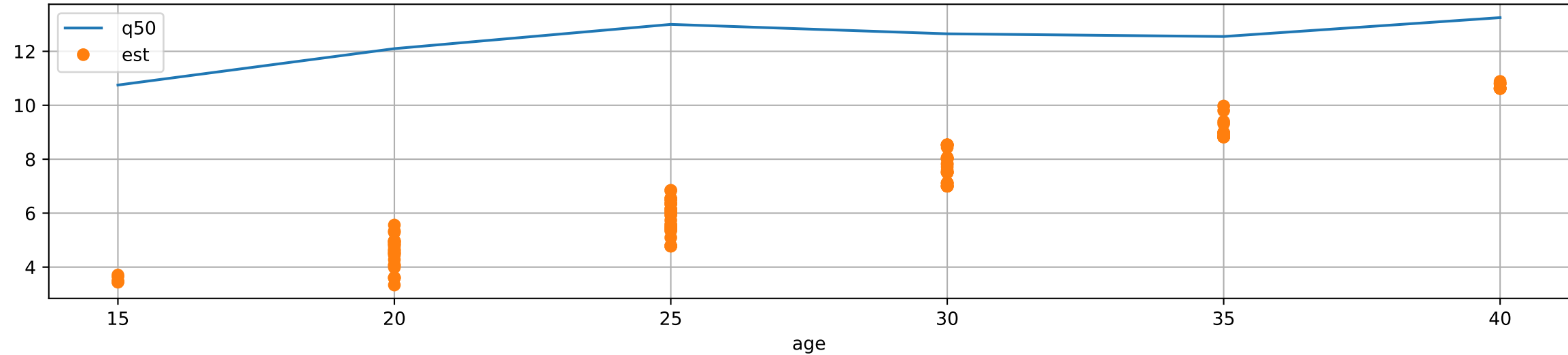
age=35



age=40

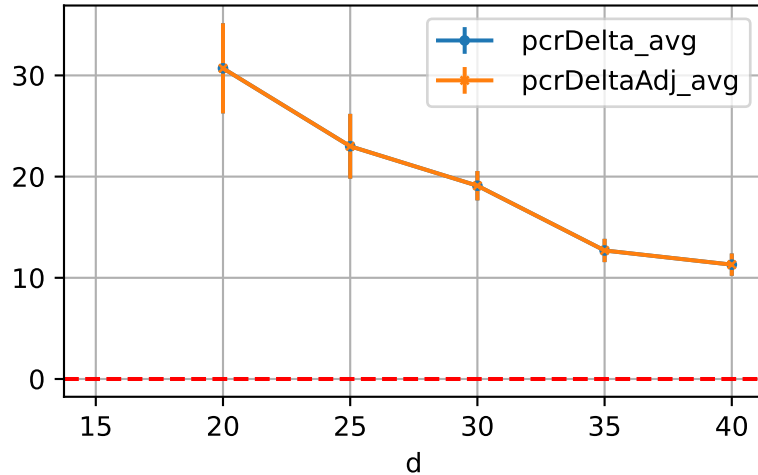


NdD: model est vs obsOv@Q50

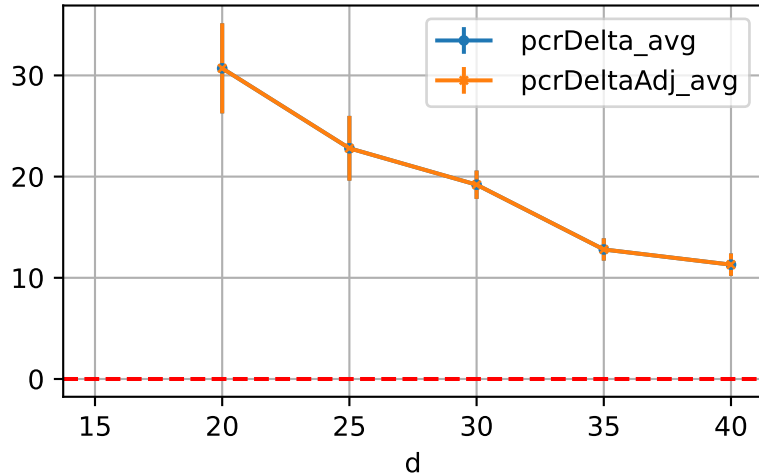


P3 NdD: D_5d_NdD

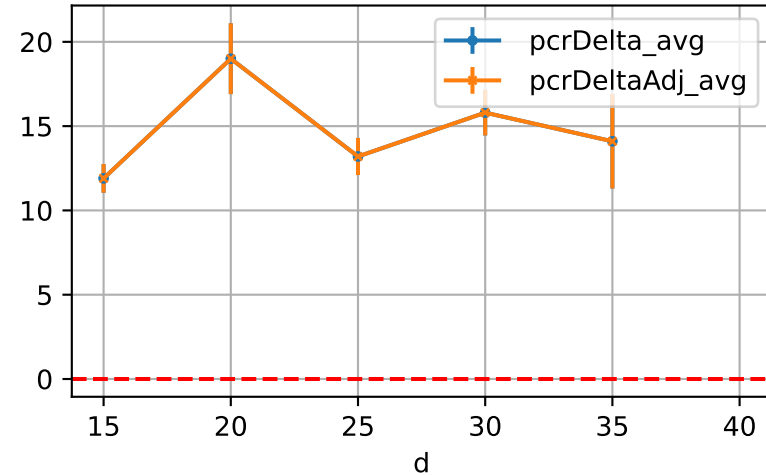
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

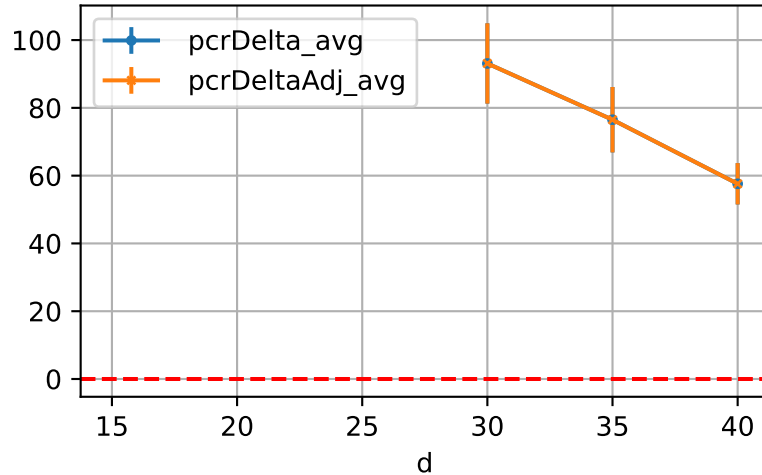


DeltaTypeAbbr=GrpByAge

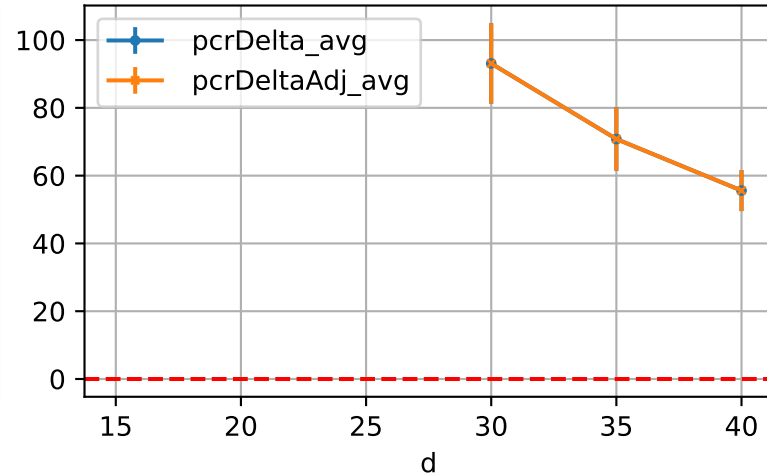


P3 NdD: D_15d_NdD

DeltaTypeAbbr=GrpByDay

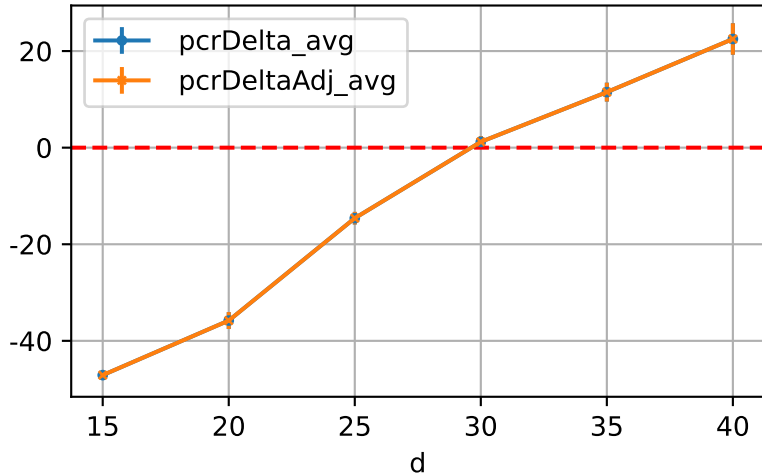


DeltaTypeAbbr=WeiAvgByD

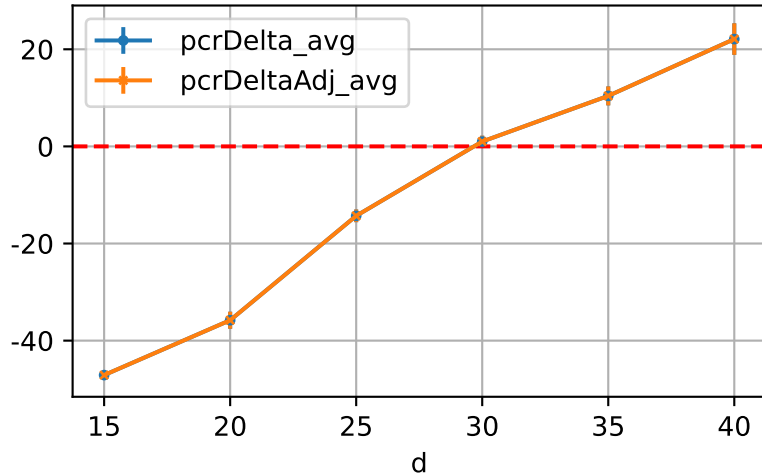


P3 NdD: D_Q50_NdD

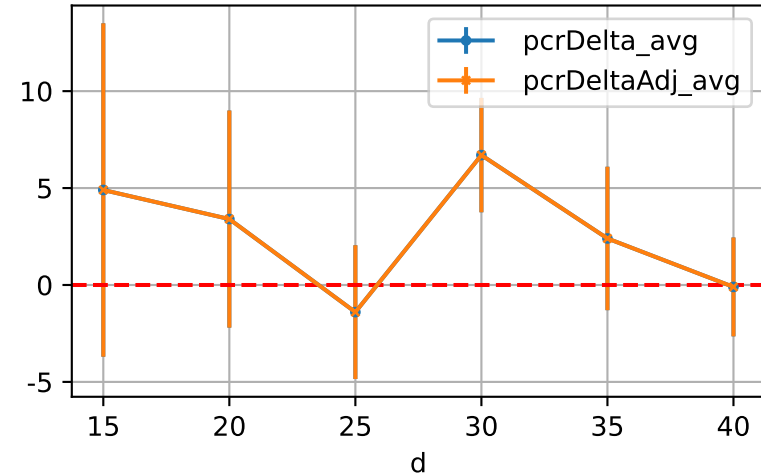
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

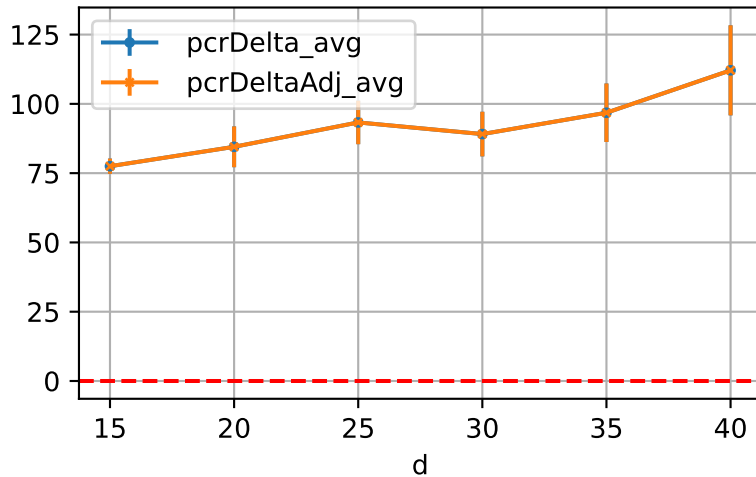


DeltaTypeAbbr=GrpByAge

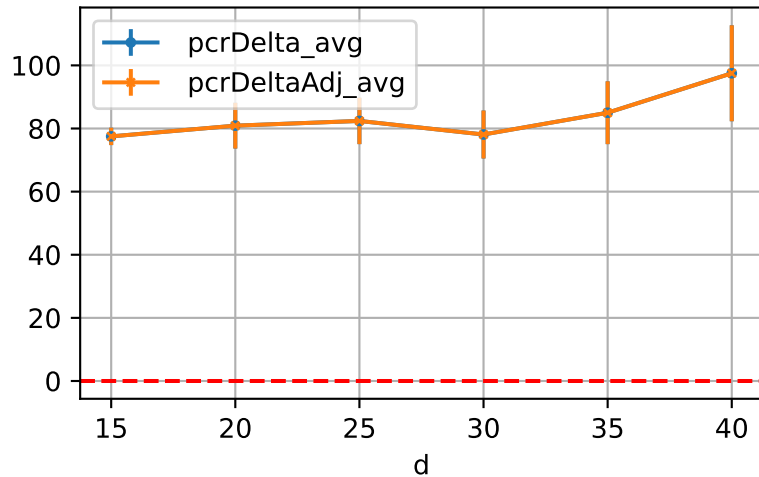


P3 NdD: D_Est_NdD

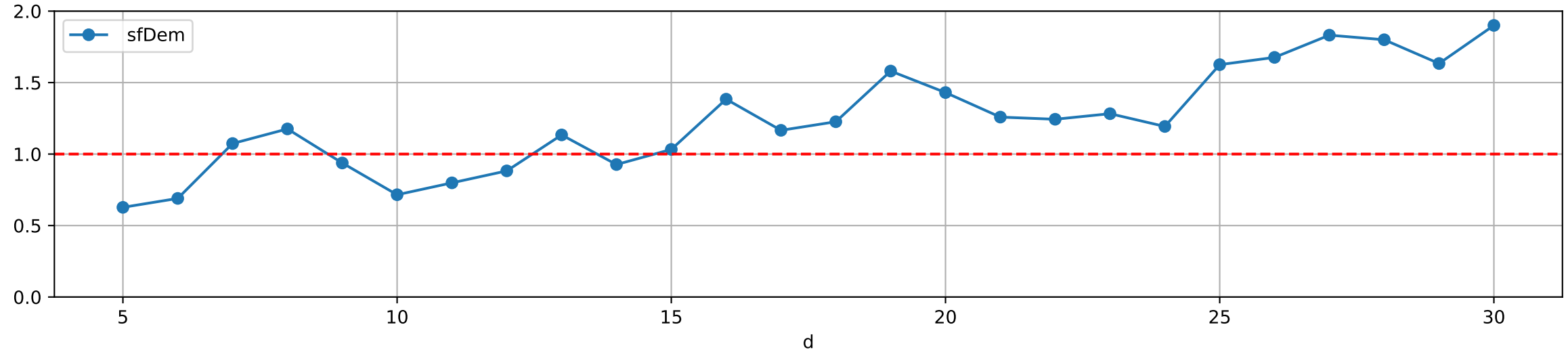
DeltaTypeAbbr=GrpByDay

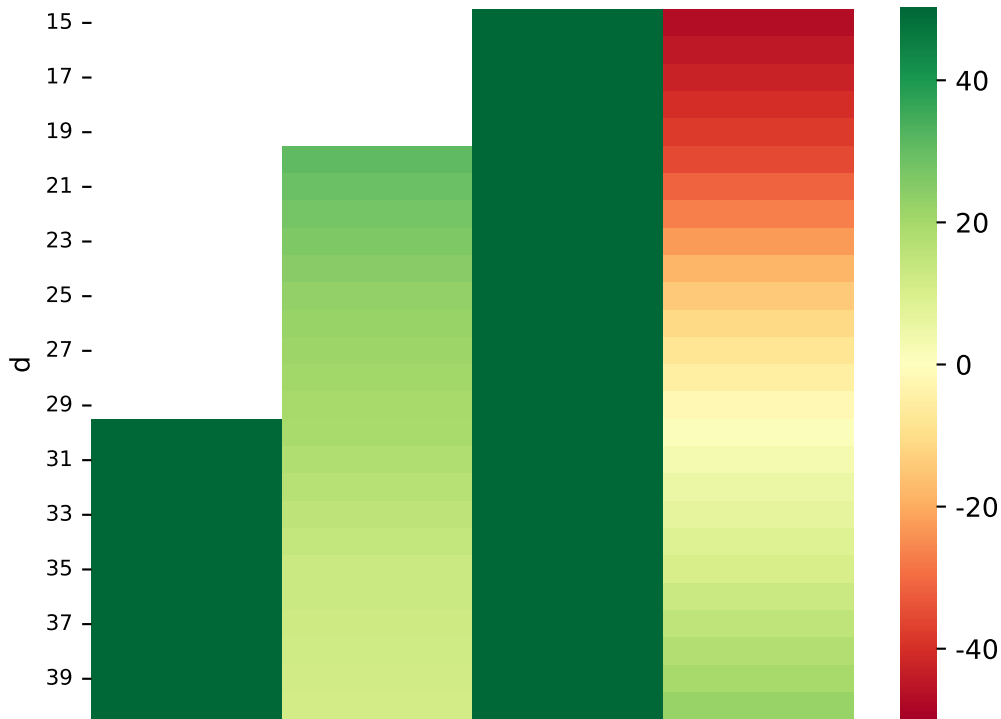


DeltaTypeAbbr=WeiAvgByD

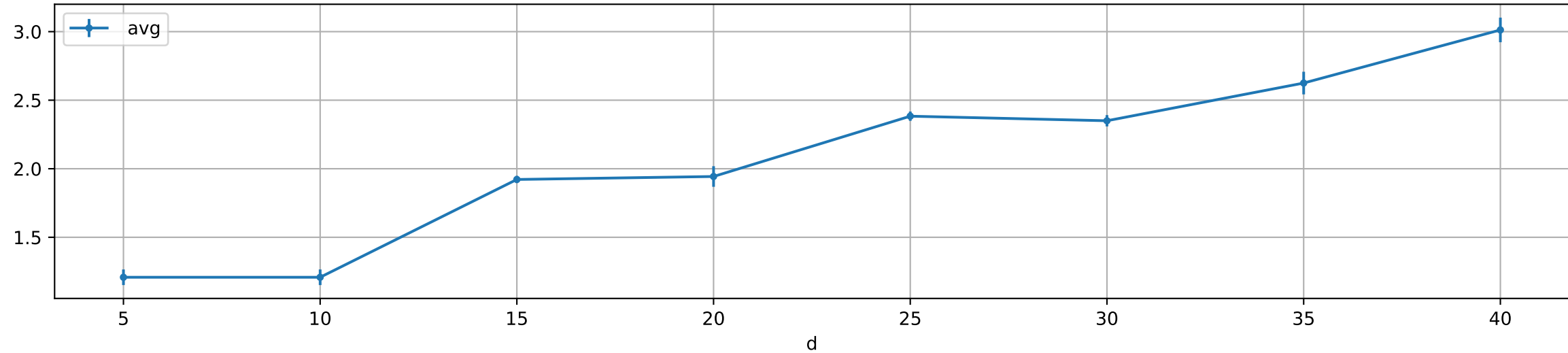


NdD: sfDem

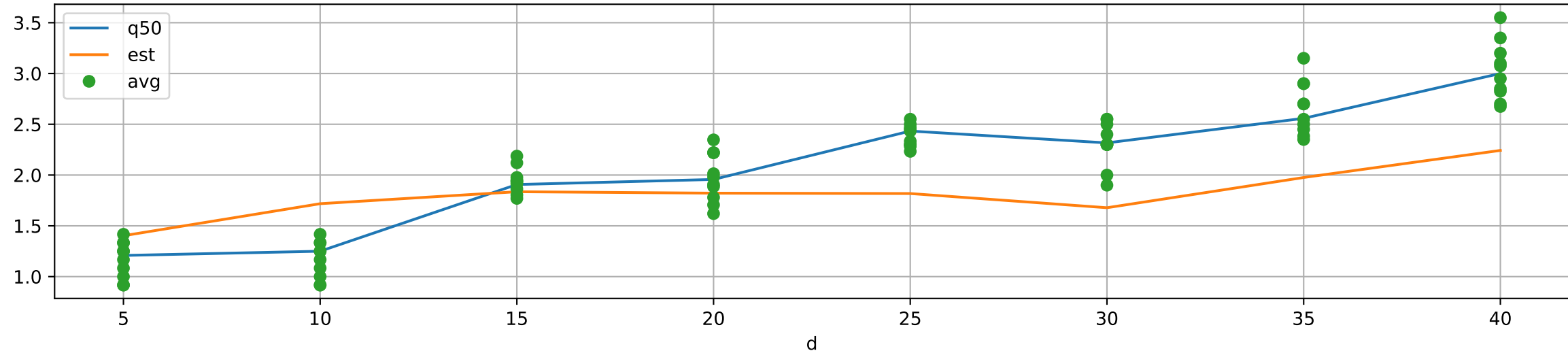




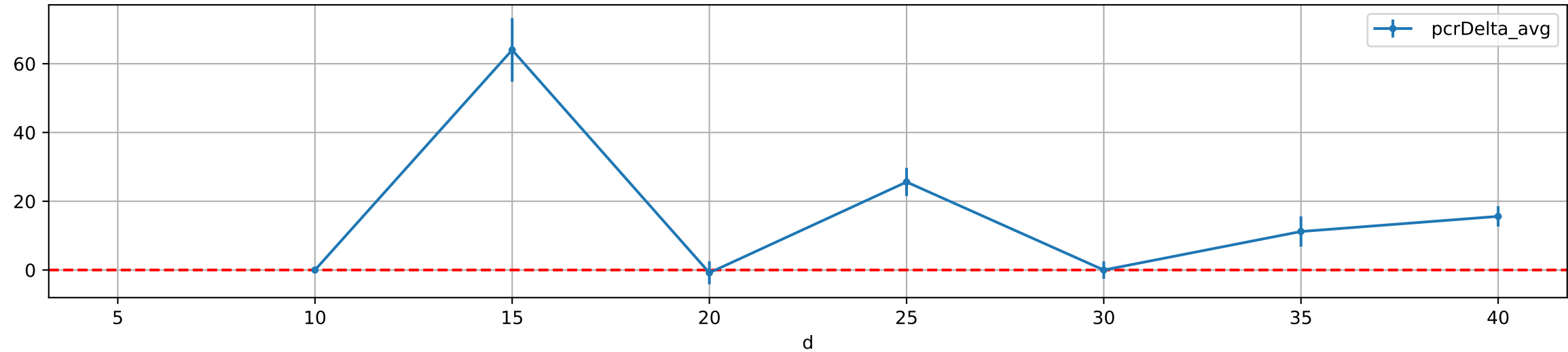
dStH: avg vs. d



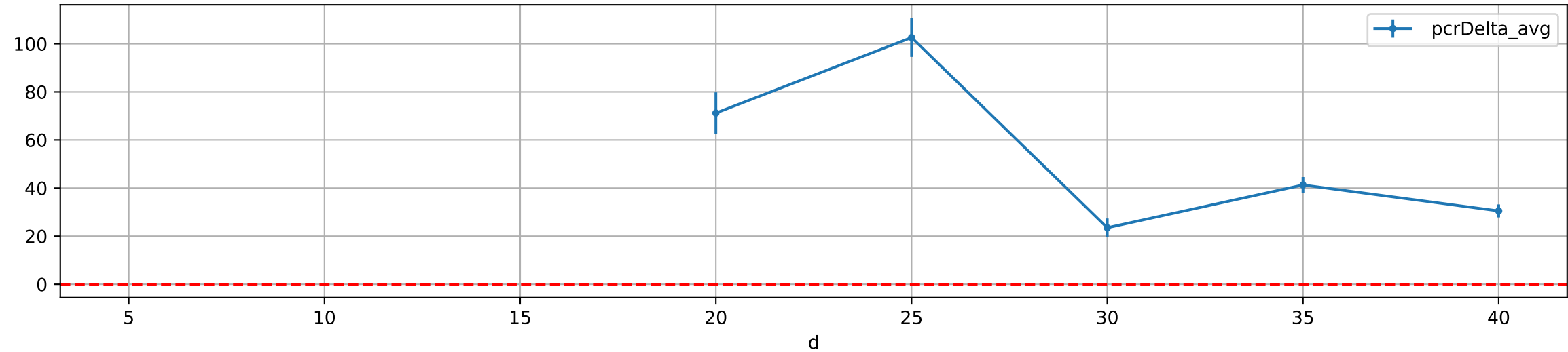
dStH: obsAvg vs obsOv@Q50



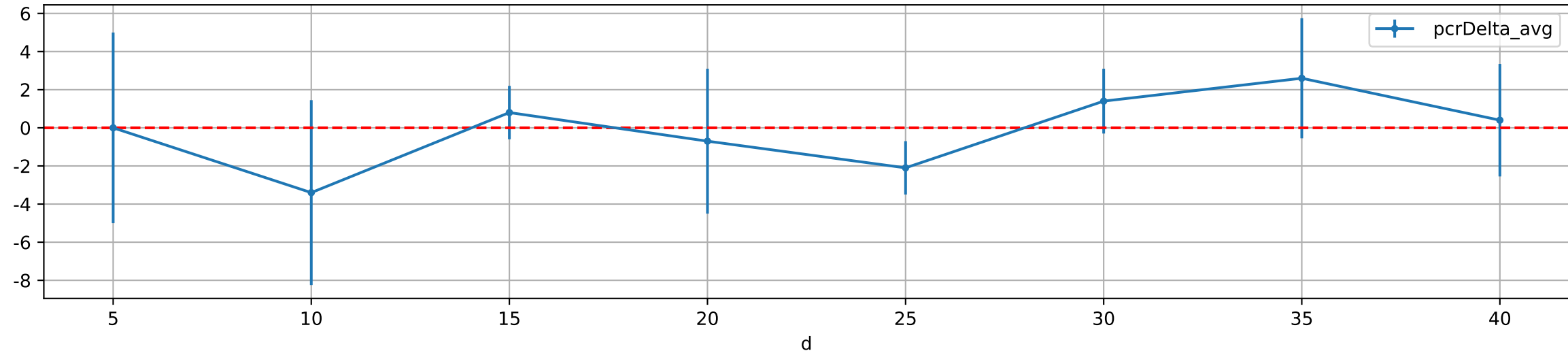
dStH: D_5d_StH



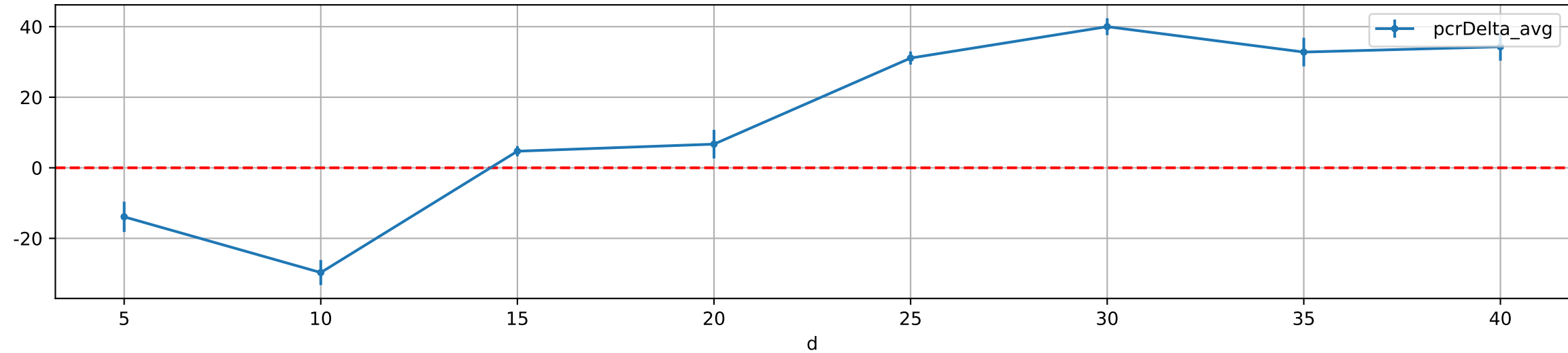
dStH: D_15d_StH



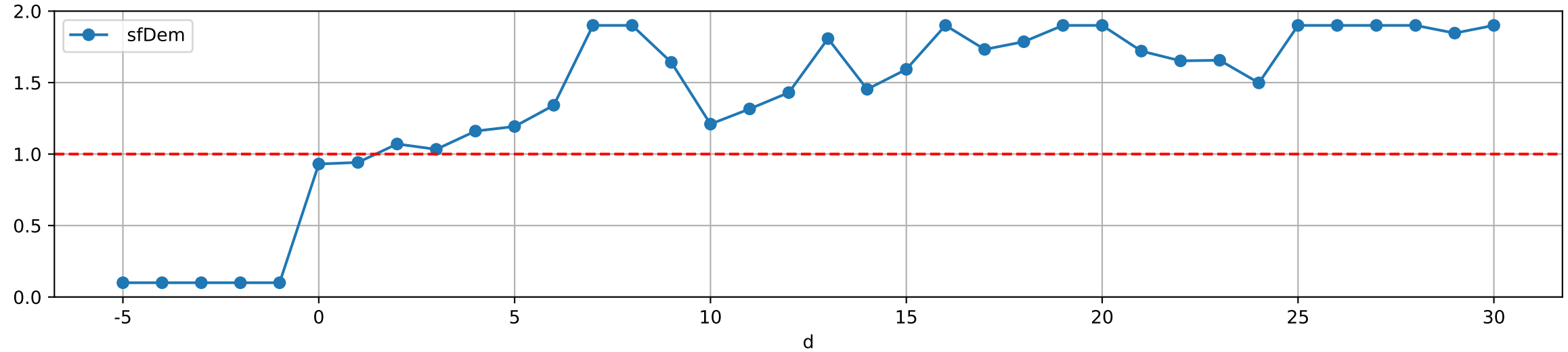
dStH: D_Q50_StH



dStH: D_Est_StH

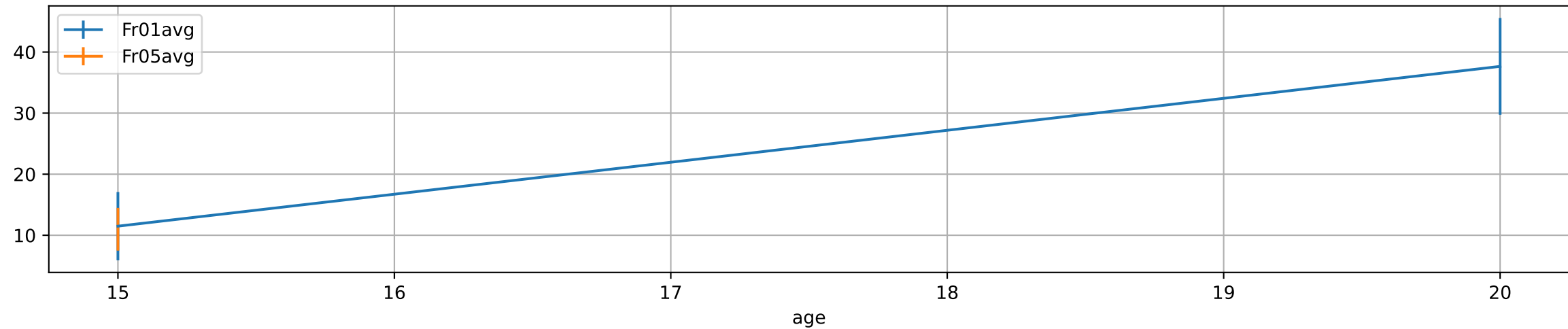


dStH: sfDem



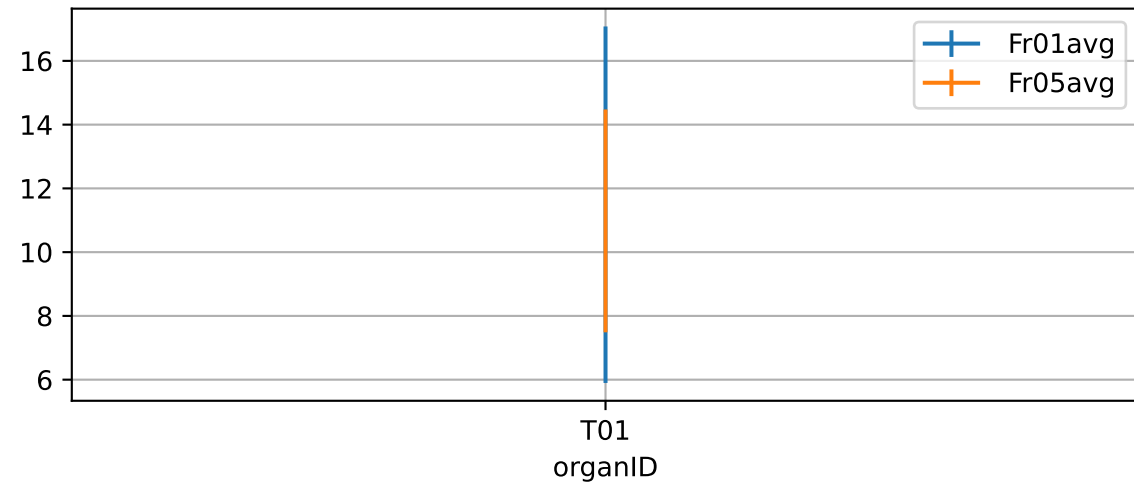


FrV: Fr01 vs Fr05 at each truss
organID=T01

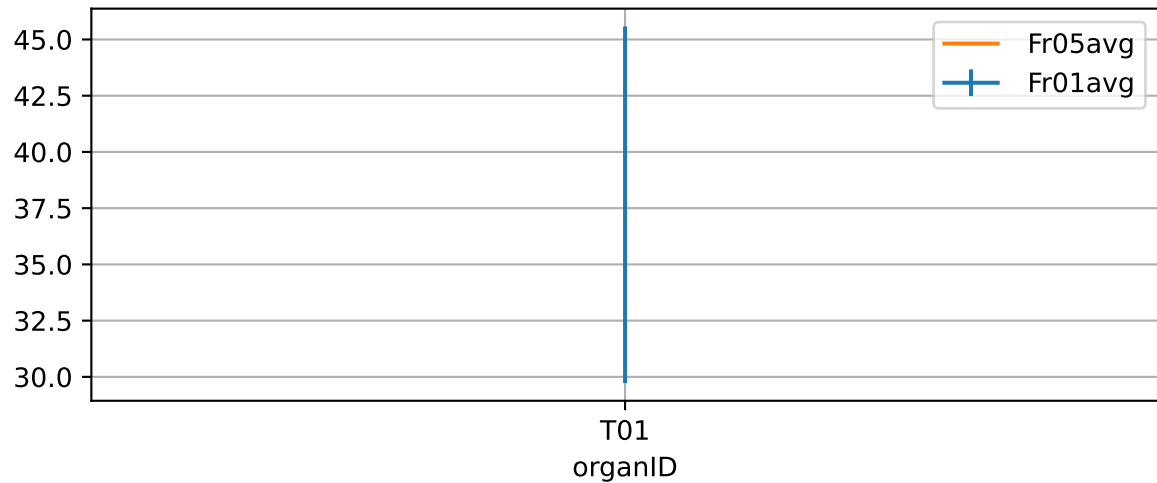


FrV trend at each age

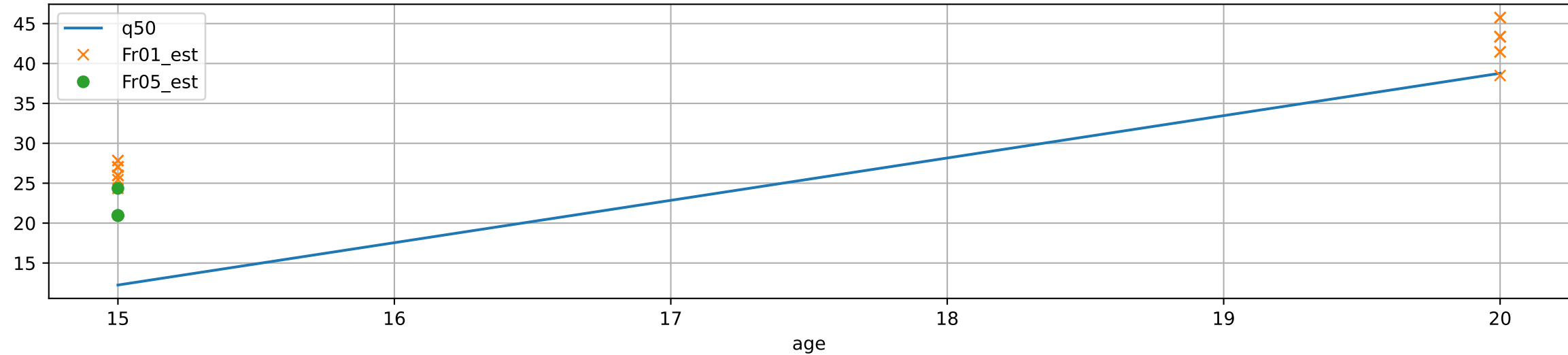
age=15



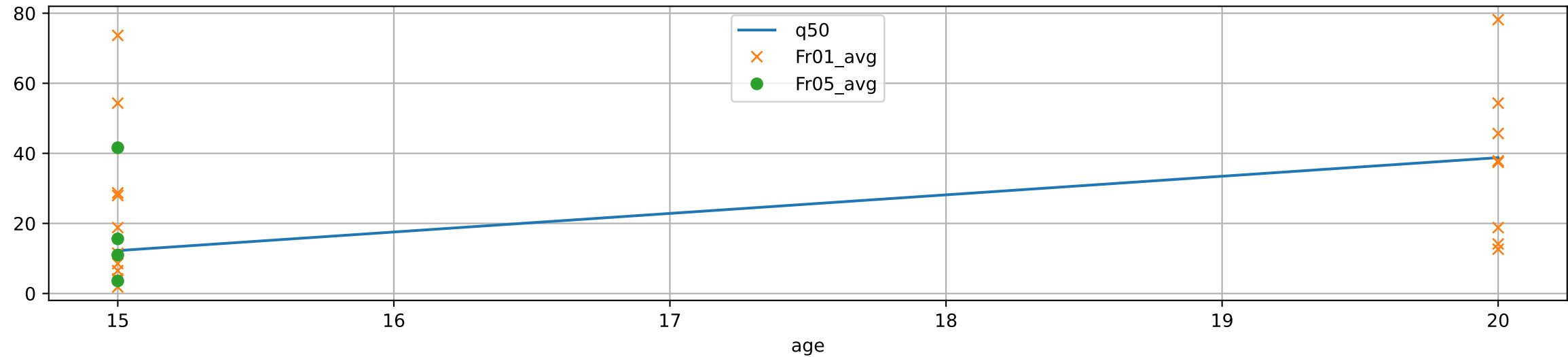
age=20



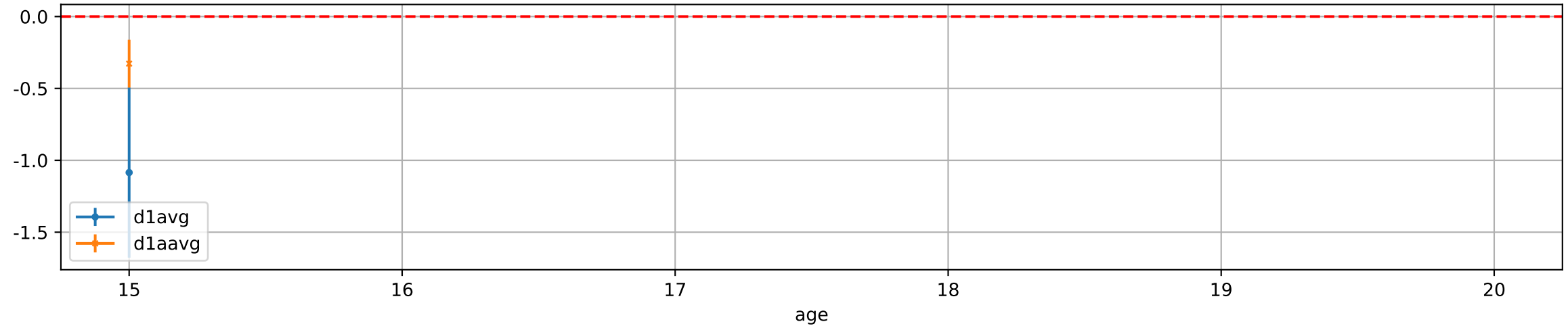
FrV: model Est vs obsFrV at Q90



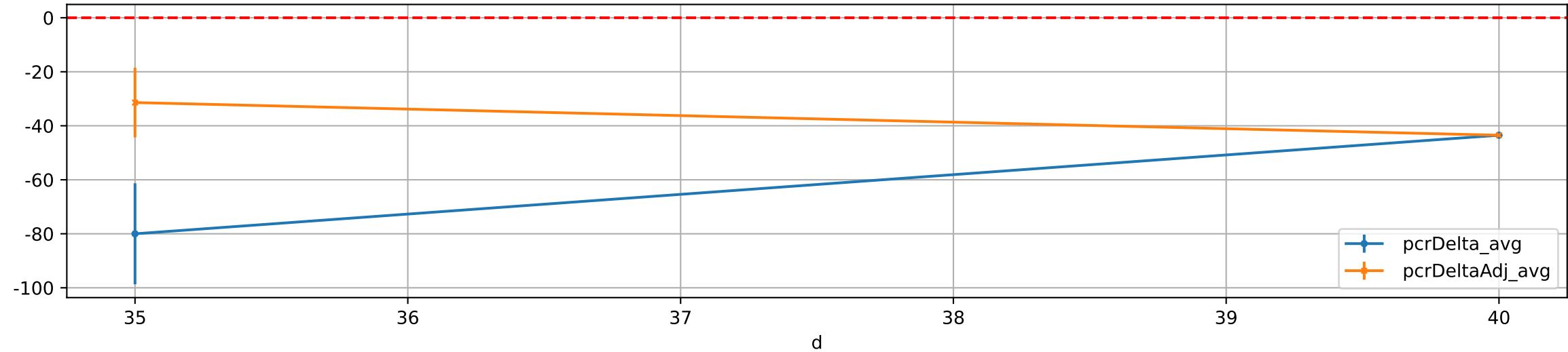
FrV: obsFrV vs obsFrV@Q90



FrV: D_Fr1_FrV
organID=1

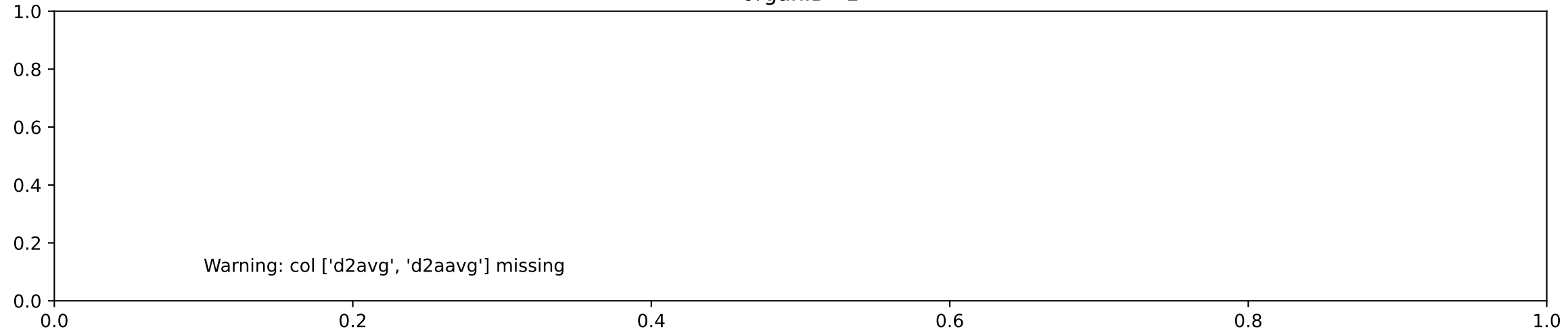


P3 FrV: D_Fr1_FrV

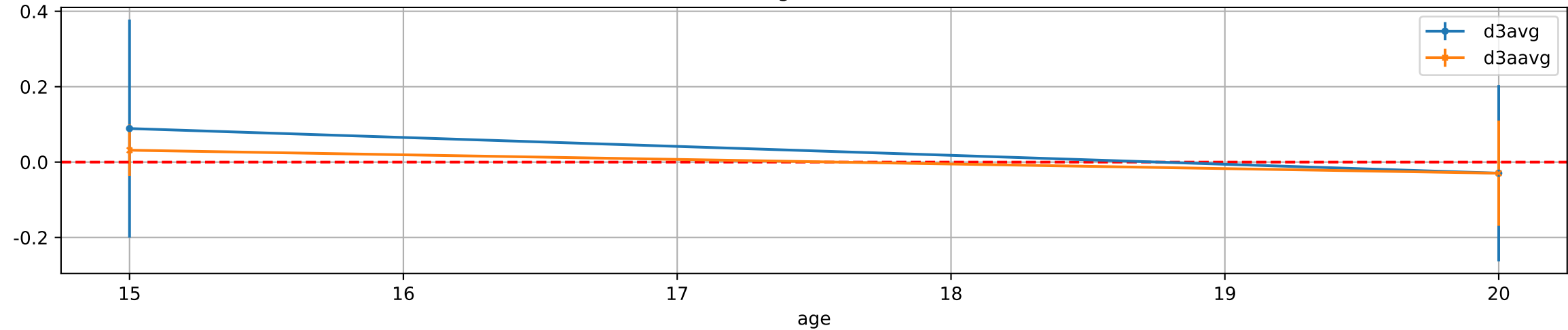


FrV: D_Ts_FrV
organID=1

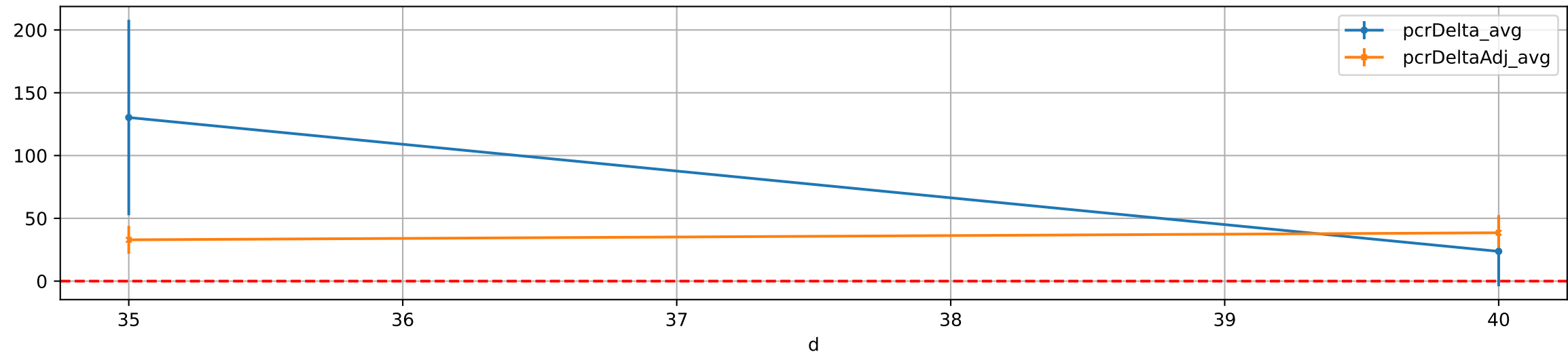
Warning: col ['d2avg', 'd2aavg'] missing



FrV: D_Q50_FrV
organID=1



P3 FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=1

