

p-value Analysis

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Subjective Score Analysis

Answers given for a single PVS are: $\{1, 2, 2, 1, 2, 2, 2, 1, 2, 3, 2, 1\}$

This sample is easier to represent as a number of the same answers:
(4, 7, 1, 0, 0)

We can ask about the distribution of that sample and for now we have two answers:

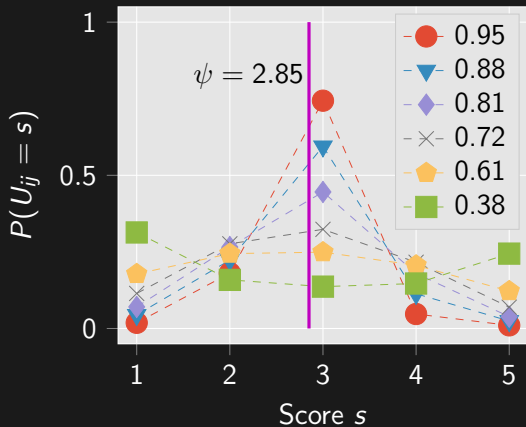
$$U \sim DN(\psi, \sigma)$$

where DN is discrete normal distribution.
or

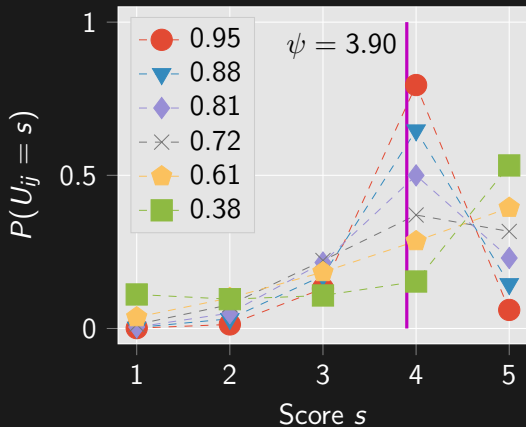
$$U \sim GSD(\psi, \rho)$$

where GSD is Generalized Score Distribution

GSD Examples



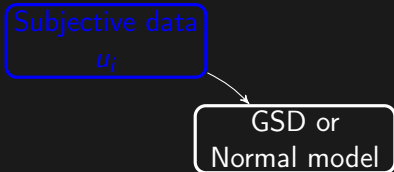
GSD Examples



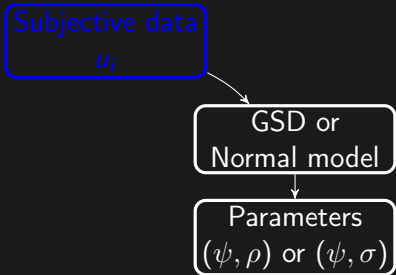
Subjective data

u_i

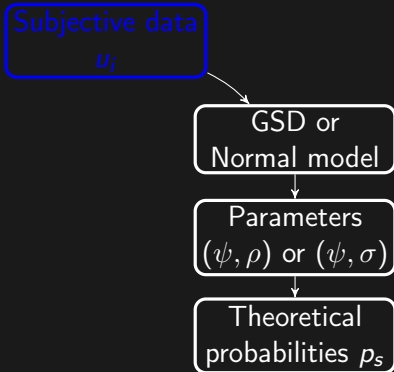
Testing Distribution



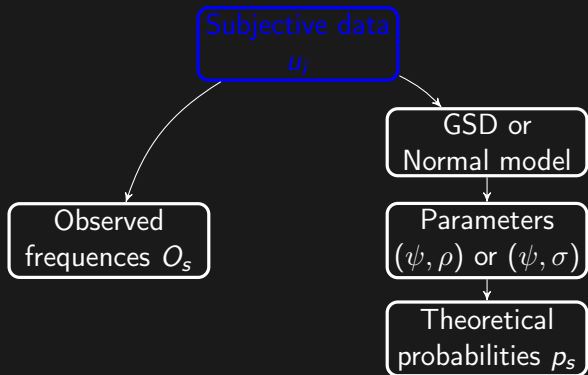
Testing Distribution



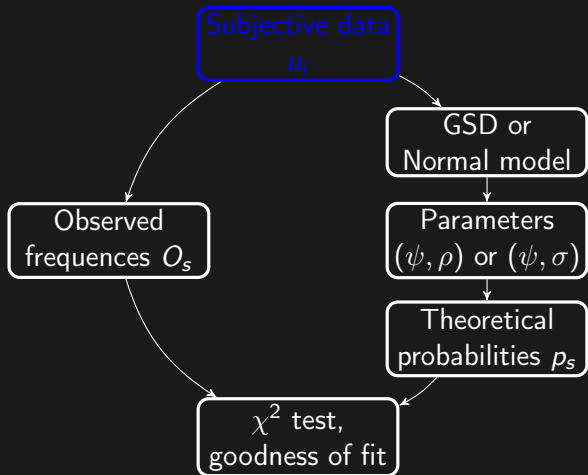
Testing Distribution



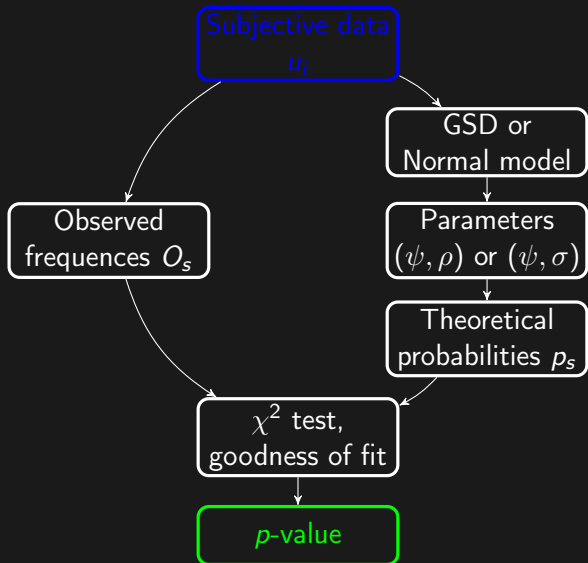
Testing Distribution



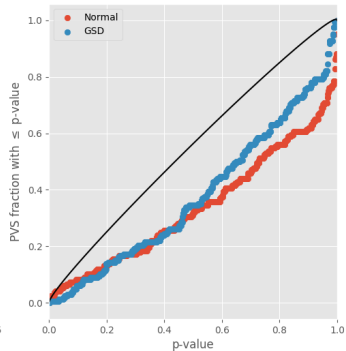
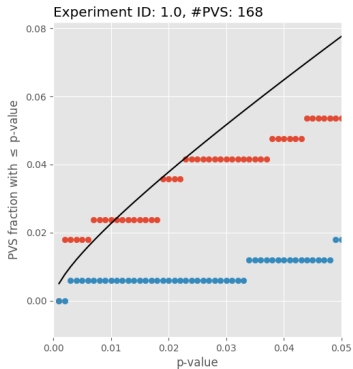
Testing Distribution



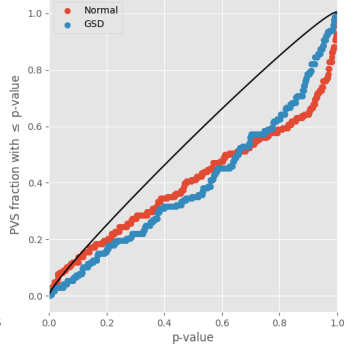
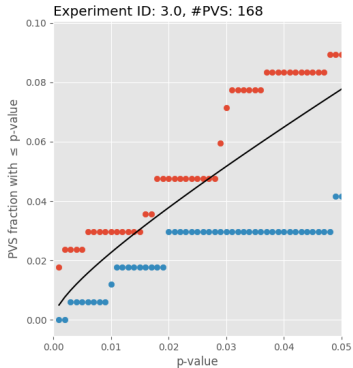
Testing Distribution



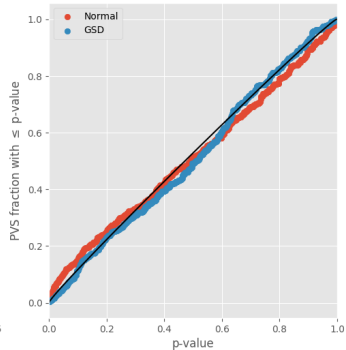
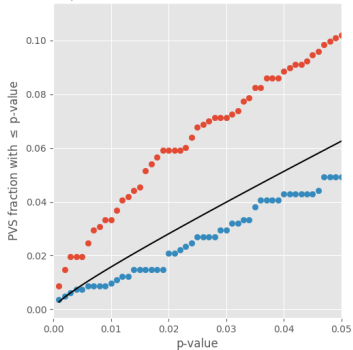
Results for HDTV Experiment 1



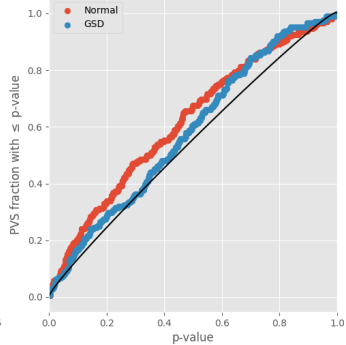
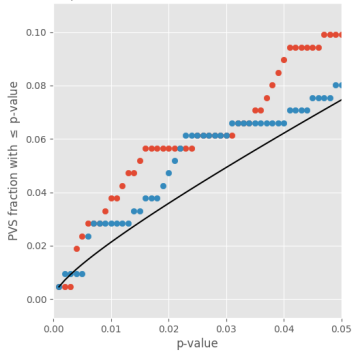
Results for HDTV Experiment 3

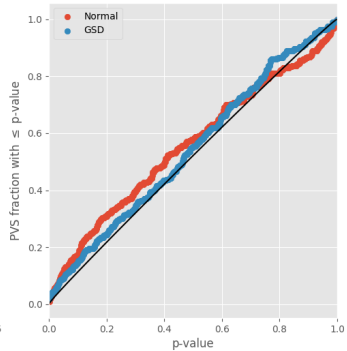
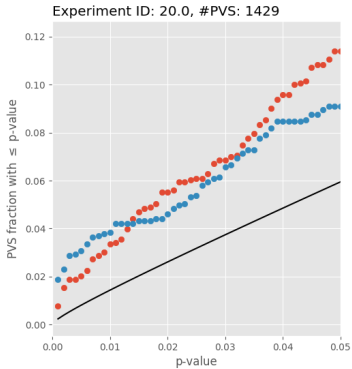


Experiment ID: 7.0, #PVS: 813

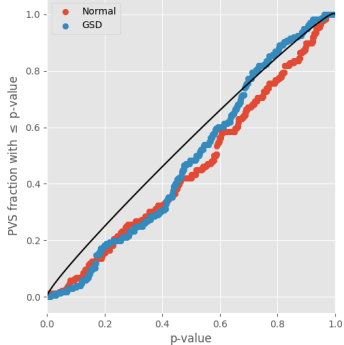
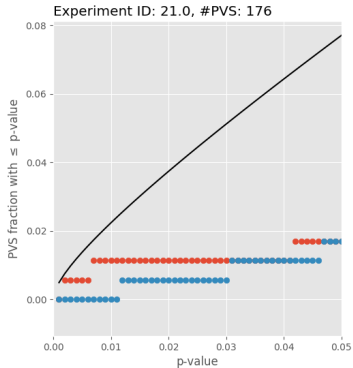


Experiment ID: 8.0, #PVS: 212





ITU-T Supp. 23 (experiment #1, BNR laboratory)



Questions

