Mag-Num Distributions for Aftershocks for 360.0 days following Landers Rupture (M=7.25); distDecay=1. 10 10 10 10 **Expected Num** 10-1 10-2 10-3 10-4 10<sup>-5</sup> 10<sup>-6</sup> 2.0 2.5 3.0 3.5 4.0 4.5 6.0 6.5 7.0 7.5 5.0 5.5 8.0 9.0 Mag

## DATASET #1

Expected num 1st-generation >=M in 360.0 days

DATASET #2

Sampled num 1st-generation >=M in 360.0 days

DATASET #3

Expected num 1st-generation >=M in 360.0 days for source: Landers

DATASET #4

Expected total num aftershocks >=M in 360.0 days (all generations)

DATASET #5

Sampled num for all event >=M in 360.0 days (all generations)

DATASET #6

Gutenberg Richter Dist (for comparison)

minMag=2.55; maxMag=8.95; numMag=65; bValue=1.0; magLower=2.55; magUpper=8.95; totMoRate=3.0221497E20; totCumRate=13452.747