

S1 Table. Statistical comparison of metrics pre and post evidence introduction. Statistical comparison of metrics pre (steps 0–299) and post (steps 300–600) evidence introduction for evidence integration regime "prompt": standard deviation of metric pre evidence introduction (STD PRE); difference in means post vs pre (DELTA MEAN); p-value of t-test for independence of pre and post metric samples (p); mean difference relative to standard deviation (DELTA/STD); boolean variable indicating statistically significant ($p < 0.05$) deterioration of metric (sign).

| reach | metric | STD PRE | DELTA MEAN | p | DELTA/STD | sign |
|----------|--------------------|----------|------------|-----------|-----------|------|
| ∞ | popper_commu | 3.09e-03 | -8.54e-04 | 2.58e-100 | -2.76e-01 | F |
| | popper_complm | 3.05e-04 | -5.82e-06 | 6.87e-03 | -1.91e-02 | F |
| | popper_multpl | 7.35e-03 | -2.91e-03 | 8.58e-214 | -3.96e-01 | F |
| | popper_reflx | 7.53e-02 | -4.10e-03 | 1.83e-04 | -5.45e-02 | F |
| | logalgn_eqv | 8.74e-03 | -2.02e-04 | 1.35e-01 | -2.32e-02 | F |
| | logalgn_eqvcond | 1.50e-02 | -2.86e-03 | 1.11e-45 | -1.90e-01 | F |
| | logalgn_impl | 7.26e-02 | 3.40e-03 | 1.21e-03 | 4.69e-02 | T |
| | tr_viol_mean_mltp | 1.16e-03 | -1.09e-04 | 1.79e-27 | -9.36e-02 | F |
| | tr_viol_ratio_mltp | 2.96e-02 | 4.34e-03 | 2.78e-22 | 1.47e-01 | T |
| 50 | popper_commu | 3.79e-03 | -1.15e-03 | 4.92e-108 | -3.02e-01 | F |
| | popper_complm | 7.45e-05 | -2.99e-06 | 1.53e-08 | -4.01e-02 | F |
| | popper_multpl | 7.47e-03 | -3.67e-03 | 0.00e+00 | -4.91e-01 | F |
| | popper_reflx | 1.08e-01 | -1.23e-02 | 5.21e-17 | -1.13e-01 | F |
| | logalgn_eqv | 1.32e-02 | -8.23e-04 | 3.41e-04 | -6.25e-02 | F |
| | logalgn_eqvcond | 8.91e-03 | -2.28e-03 | 3.29e-104 | -2.56e-01 | F |
| | logalgn_impl | 6.36e-02 | 5.52e-03 | 3.09e-08 | 8.69e-02 | T |
| | tr_viol_mean_mltp | 6.92e-03 | -5.99e-04 | 6.11e-08 | -8.66e-02 | F |
| | tr_viol_ratio_mltp | 5.61e-02 | -1.51e-02 | 1.63e-68 | -2.70e-01 | F |