

Levene

| value | mse | mae | r2 | ktau | spearmanr |
|-----------|-----------|-----------|-----------|-----------|-----------|
| statistic | 1.534e+01 | 9.087e+00 | 2.522e+00 | 2.846e+00 | 1.803e+00 |
| p-value | 2.828e-06 | 3.028e-04 | 8.740e-02 | 6.462e-02 | 1.721e-01 |

Tukey HSD

| method | metric_name | metric_val | errorbars | coeff of var | pvalue |
|--------------------|-------------|------------|-----------|--------------|-----------|
| lgbm-chemprop | mse | -4.486e-02 | 2.354e-02 | -5.247e-01 | 6.012e-05 |
| lgbm-multitask | mse | 6.925e-02 | 2.354e-02 | 3.399e-01 | 2.788e-09 |
| chemprop-multitask | mse | 1.141e-01 | 2.354e-02 | 2.063e-01 | 0.000e+00 |

| method | metric_name | metric_val | errorbars | coeff of var | pvalue |
|--------------------|-------------|------------|-----------|--------------|-----------|
| lgbm-chemprop | mae | -2.855e-02 | 9.858e-03 | -3.452e-01 | 4.423e-09 |
| lgbm-multitask | mae | 5.544e-02 | 9.858e-03 | 1.778e-01 | 0.000e+00 |
| chemprop-multitask | mae | 8.399e-02 | 9.858e-03 | 1.174e-01 | 0.000e+00 |

| method | metric_name | metric_val | errorbars | coeff of var | pvalue |
|--------------------|-------------|------------|-----------|--------------|-----------|
| lgbm-chemprop | r2 | 5.685e-02 | 2.689e-02 | 4.730e-01 | 9.211e-06 |
| lgbm-multitask | r2 | 1.470e-01 | 2.689e-02 | 1.829e-01 | 0.000e+00 |
| chemprop-multitask | r2 | 9.019e-02 | 2.689e-02 | 2.982e-01 | 4.123e-11 |

| method | metric_name | metric_val | errorbars | coeff of var | pvalue |
|--------------------|-------------|------------|-----------|--------------|-----------|
| lgbm-chemprop | ktau | 1.843e-02 | 1.063e-02 | 5.769e-01 | 2.643e-04 |
| lgbm-multitask | ktau | 8.078e-02 | 1.063e-02 | 1.316e-01 | 0.000e+00 |
| chemprop-multitask | ktau | 6.236e-02 | 1.063e-02 | 1.705e-01 | 0.000e+00 |

| method | metric_name | metric_val | errorbars | coeff of var | pvalue |
|--------------------|-------------|------------|-----------|--------------|-----------|
| lgbm-chemprop | spearmanr | 2.134e-02 | 1.239e-02 | 5.805e-01 | 2.891e-04 |
| lgbm-multitask | spearmanr | 9.975e-02 | 1.239e-02 | 1.242e-01 | 0.000e+00 |
| chemprop-multitask | spearmanr | 7.841e-02 | 1.239e-02 | 1.580e-01 | 0.000e+00 |