

|                        |           | Overall   | Measurement  | Data  | Time Constraint  | Temperature  | Mass   | Size  | Non-label Data  | Lable Data  |
|------------------------|-----------|---|--|---|--|--|--|---|---|---|
| GPT vs. BiLSTM         | Precision | p-value:<br>0.00348451363809<br>075<br>Effect size:<br>0.229999999999999<br>998, Large  | p-value:<br>0.013833498919863<br>3<br>Effect size:<br>0.272499999999999<br>96, Large   | p-value:<br>3.27751341369709<br>E-06<br>Effect size:<br>0.069999999999999<br>995, Large | p-value:<br>0.704909727572751<br>Effect size: 0.535,<br>negligible | p-value:<br>0.35772797019341<br>3<br>Effect size: 0.585,<br>negligible | p-value:<br>0.04531629734465<br>150<br>Effect size: 0.685,<br>Medium   | p-value:<br>0.00223817947096<br>235<br>Effect size:<br>0.217500000000000<br>003, Large  | p-value:<br>0.00046007272700904<br>2<br>Effect size:<br>0.17625000000000002<br>, Large  | p-value:<br>0.13681554418853<br>4<br>Effect size: 0.6375,<br>Small                      |
|                        | Recall    | p-value:<br>2.75576331793978<br>E-05<br>Effect size:<br>0.112500000000000<br>004, Large | p-value:<br>6.30184822139227E-<br>08<br>Effect size: 0.0, Large                        | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      | p-value:<br>6.30184822139227E-08<br>Effect size: 1.0, Large        | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large     | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large     | p-value:<br>0.38670799255173<br>7<br>Effect size:<br>0.420000000000000<br>004, Small    | p-value:<br>6.30184822139227E-<br>08<br>Effect size: 0.0, Large                         | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      |
|                        | F-score   | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      | p-value:<br>6.30184822139227E-<br>08<br>Effect size: 0.0, Large                        | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      | p-value:<br>6.30184822139227E-08<br>Effect size: 1.0, Large        | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large     | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large     | p-value:<br>0.00028928371617<br>2174<br>Effect size:<br>0.165000000000000<br>004, Large | p-value:<br>6.30184822139227E-<br>08<br>Effect size: 0.0, Large                         | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      |
| GPT vs. Keyword Search | Precision | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      | p-value:<br>2.51739855741355E-<br>06<br>Effect size:<br>0.064999999999999<br>95, Large | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      | p-value:<br>6.30184822139227E-08<br>Effect size: 0.0, Large        | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large     | p-value:<br>0.01282442104151<br>65<br>Effect size: 0.73,<br>negligible | p-value:<br>1.78279680136249<br>E-07<br>Effect size0.9825,<br>Large                     | p-value:<br>1.12155312083173E-<br>06<br>Effect size:<br>0.05000000000000004<br>4, Large | p-value:<br>4.87123053504645<br>E-07<br>Effect size:<br>0.035000000000000<br>003, Large |
|                        | Recall    | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      | p-value:<br>6.30184822139227E-<br>08<br>Effect size: 0.0, Large                        | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      | p-value:<br>6.30184822139227E-08<br>Effect size: 0.0, Large        | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large     | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large     | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      | p-value:<br>6.30184822139227E-<br>08<br>Effect size: 0.0, Large                         | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      |
|                        | F-score   | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      | p-value:<br>6.30184822139227E-<br>08<br>Effect size: 0.0, Large                        | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      | p-value:<br>6.30184822139227E-08<br>Effect size: 0.0, Large        | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large     | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large     | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      | p-value:<br>6.30184822139227E-<br>08<br>Effect size: 0.0, Large                         | p-value:<br>6.30184822139227<br>E-08<br>Effect size: 0.0,<br>Large                      |