Table 1: TSU of TriviaQA Dataset

TriviaQA	Two-Parameter				Three-Parameter			Multi-Parameter		
	75U03.0.7	75U@7.17	ISU(1,1,A)	Tandy y	75103.07.	75U@7.1.18	TSU(1,1A,2)	75U03-1.A	78U(0.7.2)	15U (0.3.2)
Inv-Entropy	86.7%	90.5%	93.5%	95.0%	85.4%	83.2%	81.9%	80.9%	78.6%	77.1%
NI Entropy	73.8%	80.1%	89.2%	90.0%	70.4%	66.2%	61.9%	54.3%	51.7%	49.2%
NR-Inv-Entropy	75.6%	78.3%	81.9%	84.0%	70.2%	68.5%	65.4%	63.2%	60.3%	58.7%
NRI-Entropy	62.8%	68.2%	75.5%	78.3%	58.1%	56.2%	55.7%	55.4%	52.4%	50.2%
L-Perplexity	39.2%	42.5%	46.7%	50.0%	30.2%	28.3%	25.4%	23.7%	21.9%	20.1%
L-Entropy	49.8%	57.3%	68.4%	72.5%	45.1%	43.0%	42.0%	40.5%	38.3%	36.2%
VU	53.4%	59.2%	63.3%	65.0%	51.1%	49.2%	48.0%	47.0%	45.2%	44.0%
Semantic Entropy	66.3%	70.2%	74.7%	78.0%	60.3%	59.1%	58.9%	58.8%	56.1%	54.9%
Lexical sim.	80.2%	86.4%	91.5%	93.0%	75.6%	74.2%	73.4%	72.8%	70.1%	68.5%
DegMat	84.1%	87.2%	89.7%	91.0%	80.3%	79.1%	78.2%	77.3%	75.0%	73.2%

Table 2: TSU of SimpleQA Dataset

SimpleQA	Two-Parameter				Three-Parameter			Multi-Parameter		
	TSU 0.3.0.T	18U@1,1)	rsull, I.A	rsu(1,4,2)	TSU 03.07.7	75U@7.1.1.A	redu. 14.2)	1511031A	75U0.7.2)	18U@3-21
Inv-Entropy	90.7%	91.2%	91.9%	92.5%	89.3%	88.0%	87.5%	85.2%	83.9%	83.3%
NI Entropy	53.3%	60.1%	72.1%	74.0%	52.0%	51.2%	50.4%	49.8%	48.2%	47.0%
NR-Inv-Entropy	60.0%	65.1%	78.3%	80.0%	59.4%	58.2%	58.0%	57.6%	56.3%	55.1%
NRI-Entropy	60.7%	64.3%	69.8%	72.0%	59.2%	58.4%	54.1%	53.2%	52.5%	50.8%
L-Perplexity	34.5%	42.0%	59.1%	62.0%	33.1%	31.5%	30.2%	28.3%	26.9%	25.4%
L-Entropy	46.2%	54.0%	66.0%	68.9%	44.0%	43.2%	42.0%	41.7%	40.3%	39.0%
VU	38.9%	37.2%	10.4%	12.0%	36.3%	34.1%	33.0%	32.1%	31.2%	29.8%
Semantic Entropy	63.7%	66.0%	69.5%	72.0%	62.2%	60.1%	59.3%	58.2%	57.1%	55.9%
Lexical sim.	87.3%	88.0%	90.4%	91.5%	86.2%	85.0%	84.3%	82.6%	81.4%	80.7%
DegMat	81.2%	82.4%	88.6%	89.5%	80.7%	79.1%	77.9%	75.4%	73.6%	72.0%

Table 3: AUROC, PRR and Brier of TriviaQA Dataset

TriviaQA	AU	JROC (†)	1	PRR (†)	Brier (\downarrow)		
	GRY 35	Lana 88	CHr.3.5	Lland 88	SK1,3.5	Llander	
Inv-Entropy	0.810 ± 0.050	0.795 ± 0.043	0.907 ± 0.036	0.871 ± 0.041	0.117 ± 0.020	0.151 ± 0.018	
NI Entropy	0.639 ± 0.057	0.713 ± 0.052	0.828 ± 0.044	0.769 ± 0.056	0.156 ± 0.021	0.182 ± 0.019	
NR-Inv-Entropy	0.804 ± 0.051	0.790 ± 0.045	0.906 ± 0.032	0.843 ± 0.046	0.121 ± 0.022	0.156 ± 0.020	
NRI-Entropy	0.636 ± 0.060	0.700 ± 0.054	0.825 ± 0.045	0.747 ± 0.062	0.155 ± 0.022	0.190 ± 0.019	
L-Perplexity	0.760 ± 0.029	0.654 ± 0.067	0.890 ± 0.039	0.836 ± 0.049	0.145 ± 0.019	0.153 ± 0.019	
L-Entropy	0.780 ± 0.031	0.679 ± 0.058	0.905 ± 0.034	0.853 ± 0.041	0.150 ± 0.017	0.157 ± 0.017	
VU	0.800 ± 0.028	0.780 ± 0.032	0.895 ± 0.033	0.865 ± 0.035	0.170 ± 0.020	0.167 ± 0.019	
Semantic Entropy	0.670 ± 0.028	0.652 ± 0.068	0.885 ± 0.037	0.835 ± 0.049	0.158 ± 0.018	0.161 ± 0.019	
SAR	_	0.668 ± 0.056	_	0.871 ± 0.035	_	0.160 ± 0.018	
Lexical sim.	0.774 ± 0.043	0.632 ± 0.060	0.812 ± 0.050	0.825 ± 0.047	0.165 ± 0.020	0.146 ± 0.023	
DegMat	0.790 ± 0.030	0.665 ± 0.060	0.880 ± 0.036	0.850 ± 0.046	0.166 ± 0.018	0.159 ± 0.018	

Table 4: AUROC, PRR and Brier of SciQ Dataset

SciQ	Al	UROC (†)	I	PRR (†)	Brier (↓)		
	GR13.5	Land 88	GRES.5	Lland 88	Gr.3.5	Land 88	
Inv-Entropy	0.754 ± 0.053	0.751 ± 0.051	0.852 ± 0.047	0.846 ± 0.041	0.156 ± 0.021	0.161 ± 0.018	
NI Entropy	0.593 ± 0.061	0.602 ± 0.067	0.755 ± 0.054	0.705 ± 0.064	0.197 ± 0.017	0.206 ± 0.017	
NR-Inv-Entropy	0.712 ± 0.056	0.642 ± 0.059	0.816 ± 0.052	0.751 ± 0.055	0.174 ± 0.021	0.198 ± 0.016	
NRI-Entropy	0.565 ± 0.063	0.615 ± 0.065	0.717 ± 0.062	0.706 ± 0.064	0.197 ± 0.018	0.206 ± 0.018	
L-Perplexity	0.700 ± 0.028	0.692 ± 0.053	0.800 ± 0.035	0.802 ± 0.050	0.185 ± 0.017	0.177 ± 0.017	
L-Entropy	0.730 ± 0.029	0.752 ± 0.045	0.845 ± 0.036	0.842 ± 0.044	0.188 ± 0.016	0.158 ± 0.016	
VU	0.740 ± 0.030	0.730 ± 0.032	0.840 ± 0.032	0.830 ± 0.035	0.190 ± 0.018	0.180 ± 0.017	
Semantic Entropy	0.710 ± 0.031	0.699 ± 0.049	0.830 ± 0.034	0.808 ± 0.049	0.185 ± 0.017	0.179 ± 0.017	
SAR	_	0.661 ± 0.060	_	0.755 ± 0.055	_	0.192 ± 0.018	
Lexical sim.	0.610 ± 0.027	0.629 ± 0.051	0.800 ± 0.035	0.719 ± 0.054	0.191 ± 0.018	0.146 ± 0.023	
DegMat	0.700 ± 0.028	0.610 ± 0.057	0.810 ± 0.038	0.716 ± 0.066	0.195 ± 0.017	0.186 ± 0.018	