

IR Assignment 4

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Sample Usage of GPT2 trained model

Text: having tried a couple of other brands of glutenfree sandwich cookies these are the best of the bunch theyre crunchy and true to the texture of the other real cookies that arent glutenfree some might think that the filling makes them a bit too sweet but for me that just means ive satisfied my sweet tooth sooner the chocolate version from glutino is just as good and has a true chocolatey taste something that isnt there with the other glutenfree brands out there

Expected Summary: crunchy good glutenfree sandwich cookies

Generated Summary1: having tried several other brands of glutenfree sandwich cookies

Generated Summary2: these are awesome

Generated Summary3: crunchy but yum if you want it

Max Score

rouge-1 precision: 0.3333333333333333

rouge-1 recall: 0.6

rouge-1 f: 0.4285714239795918

rouge-2 precision: 0.25

rouge-2 recall: 0.5

rouge-2 f: 0.33333332888888895

rouge-l precision: 0.3333333333333333

rouge-l recall: 0.6

rouge-l f: 0.4285714239795918

For 400 Samples

Average Rouge-1 Precision: 0.18431702186702195

Average Rouge-1 Recall: 0.16554011127761137

Average Rouge-1 F-score: 0.15588081941934442

Average Rouge-2 Precision: 0.029855375180375177

Average Rouge-2 Recall: 0.02864066211566212

Average Rouge-2 F-score: 0.026236855252762703

Average Rouge-L Precision: 0.18213208319458327

Average Rouge-L Recall: 0.16339412254412264

Average Rouge-L F-score: 0.15382464283167696

For 100 Samples

Average Rouge-1 Precision: 0.19968672438672438

Average Rouge-1 Recall: 0.1819054112554112

Average Rouge-1 F-score: 0.17051024383941846

Average Rouge-2 Precision: 0.02228015873015873
Average Rouge-2 Recall: 0.027744322344322343
Average Rouge-2 F-score: 0.0221225068752117
Average Rouge-L Precision: 0.19828672438672437
Average Rouge-L Recall: 0.18011255411255406
Average Rouge-L F-score: 0.16895782005131252

For 50 Samples

Average Rouge-1 Precision: 0.20302063492063493
Average Rouge-1 Recall: 0.20032063492063493
Average Rouge-1 F-score: 0.17623181867401919
Average Rouge-2 Precision: 0.01938095238095238
Average Rouge-2 Recall: 0.029333333333333333
Average Rouge-2 F-score: 0.021566386365395568
Average Rouge-L Precision: 0.20136349206349205
Average Rouge-L Recall: 0.19665396825396825
Average Rouge-L F-score: 0.1740723415498362

For 20 Samples

Average Rouge-1 Precision: 0.2702628205128205
Average Rouge-1 Recall: 0.23616666666666664
Average Rouge-1 F-score: 0.22317802171839318
Average Rouge-2 Precision: 0.024252747252747252
Average Rouge-2 Recall: 0.031666666666666666
Average Rouge-2 F-score: 0.02612566817577472
Average Rouge-L Precision: 0.2677628205128205
Average Rouge-L Recall: 0.23283333333333333
Average Rouge-L F-score: 0.22032087886125035