IBM – NGRAM

Atheism Accuracy: 68.18181818181817

Atheism F Macro: 41.781516906279684

Atheism F1-Score (Negative Class): 80.69164265129683

Atheism F1-Score (Positive Class): 15.384615384615385

Atheism F1-Score (None Class): 29.268292682926827

Climate Change is a Real Concern Accuracy: 71.59763313609467

Climate Change is a Real Concern F Macro: 42.59072014380407

Climate Change is a Real Concern F1-Score (Negative Class): 0.0

Climate Change is a Real Concern F1-Score (Positive Class): 81.3953488372093

Climate Change is a Real Concern F1-Score (None Class): 46.3768115942029

Feminist Movement Accuracy: 55.08771929824562

Feminist Movement F Macro: 47.12386379053046

Feminist Movement F1-Score (Negative Class): 66.0968660968661

Feminist Movement F1-Score (Positive Class): 37.17948717948718

Feminist Movement F1-Score (None Class): 38.095238095238095

Hillary Clinton Accuracy: 63.389830508474574

Hillary Clinton F Macro: 51.76797627872498

Hillary Clinton F1-Score (Negative Class): 73.68421052631578

Hillary Clinton F1-Score (Positive Class): 36.61971830985916

Hillary Clinton F1-Score (None Class): 45.0

Legalization of Abortion Accuracy: 68.92857142857143

Legalization of Abortion F Macro: 59.848936189418765

Legalization of Abortion F1-Score (Negative Class): 78.28418230563003

Legalization of Abortion F1-Score (Positive Class): 56.81818181818182

Legalization of Abortion F1-Score (None Class): 44.44444444444444

F\_FAV = 56.31999999999999

F\_NEG = 74.13909520594194

F\_AVG = 65.22954760297097

IBM – NGRAM - STEM

Atheism Accuracy: 70.0

Atheism F Macro: 47.317738791423004

Atheism F1-Score (Negative Class): 81.28654970760235

Atheism F1-Score (Positive Class): 16.666666666666664

Atheism F1-Score (None Class): 44.0

Climate Change is a Real Concern Accuracy: 72.7810650887574

Climate Change is a Real Concern F Macro: 42.865531415149746

Climate Change is a Real Concern F1-Score (Negative Class): 0.0

Climate Change is a Real Concern F1-Score (Positive Class): 82.44274809160305

Climate Change is a Real Concern F1-Score (None Class): 46.15384615384615

Feminist Movement Accuracy: 57.54385964912281

Feminist Movement F Macro: 48.57673061702886

Feminist Movement F1-Score (Negative Class): 68.58789625360231

Feminist Movement F1-Score (Positive Class): 42.76729559748428

Feminist Movement F1-Score (None Class): 34.375

Hillary Clinton Accuracy: 62.37288135593221

Hillary Clinton F Macro: 50.2861475450007

Hillary Clinton F1-Score (Negative Class): 73.04785894206549

Hillary Clinton F1-Score (Positive Class): 32.432432432432435

Hillary Clinton F1-Score (None Class): 45.378151260504204

Legalization of Abortion Accuracy: 67.14285714285714

Legalization of Abortion F Macro: 58.28666877255454

Legalization of Abortion F1-Score (Negative Class): 77.43732590529248

Legalization of Abortion F1-Score (Positive Class): 47.42268041237113

Legalization of Abortion F1-Score (None Class): 50.0

F\_FAV = 56.56250000000001

F\_NEG = 74.45054945054946

F\_AVG = 65.50652472527473

IBM – NGRAM - SPELL

Atheism Accuracy: 68.18181818181817

Atheism F Macro: 43.84771011886975

Atheism F1-Score (Negative Class): 80.466472303207

Atheism F1-Score (Positive Class): 18.51851851851852

Atheism F1-Score (None Class): 32.55813953488372

Climate Change is a Real Concern Accuracy: 71.59763313609467

Climate Change is a Real Concern F Macro: 43.04577464788733

Climate Change is a Real Concern F1-Score (Negative Class): 0.0

Climate Change is a Real Concern F1-Score (Positive Class): 81.25

Climate Change is a Real Concern F1-Score (None Class): 47.88732394366197

Feminist Movement Accuracy: 57.54385964912281

Feminist Movement F Macro: 49.34297500124248

Feminist Movement F1-Score (Negative Class): 68.55524079320114

Feminist Movement F1-Score (Positive Class): 39.473684210526315

Feminist Movement F1-Score (None Class): 40.0

Hillary Clinton Accuracy: 63.389830508474574

Hillary Clinton F Macro: 50.93193824503401

Hillary Clinton F1-Score (Negative Class): 73.94540942928039

Hillary Clinton F1-Score (Positive Class): 34.78260869565217

Hillary Clinton F1-Score (None Class): 44.06779661016949

Legalization of Abortion Accuracy: 69.64285714285714

Legalization of Abortion F Macro: 61.379657784199416

Legalization of Abortion F1-Score (Negative Class): 78.59078590785907

Legalization of Abortion F1-Score (Positive Class): 57.47126436781609

Legalization of Abortion F1-Score (None Class): 48.07692307692308

F\_FAV = 56.957928802588995

F\_NEG = 74.78025693035835

F\_AVG = 65.86909286647366

IBM – NGRAM – SPELL - STEM

Atheism Accuracy: 68.18181818181817

Atheism F Macro: 41.50774340983449

Atheism F1-Score (Negative Class): 80.22922636103151

Atheism F1-Score (Positive Class): 17.02127659574468

Atheism F1-Score (None Class): 27.27272727272727

Climate Change is a Real Concern Accuracy: 71.59763313609467

Climate Change is a Real Concern F Macro: 42.104860313815536

Climate Change is a Real Concern F1-Score (Negative Class): 0.0

Climate Change is a Real Concern F1-Score (Positive Class): 81.53846153846153

Climate Change is a Real Concern F1-Score (None Class): 44.776119402985074

Feminist Movement Accuracy: 58.245614035087726

Feminist Movement F Macro: 50.916143636250546

Feminist Movement F1-Score (Negative Class): 68.80466472303208

Feminist Movement F1-Score (Positive Class): 42.76729559748428

Feminist Movement F1-Score (None Class): 41.17647058823529

Hillary Clinton Accuracy: 61.016949152542374

Hillary Clinton F Macro: 49.183868058239916

Hillary Clinton F1-Score (Negative Class): 71.85929648241206

Hillary Clinton F1-Score (Positive Class): 34.66666666666667

Hillary Clinton F1-Score (None Class): 41.02564102564102

Legalization of Abortion Accuracy: 67.5

Legalization of Abortion F Macro: 58.49979315480295

Legalization of Abortion F1-Score (Negative Class): 77.99442896935933

Legalization of Abortion F1-Score (Positive Class): 48.0

Legalization of Abortion F1-Score (None Class): 49.504950495049506

F\_FAV = 56.47425897035882

F\_NEG = 74.1095890410959

F\_AVG = 65.29192400572737

IBM - UNIGRAM  
Atheism Accuracy: 66.81818181818183

Atheism F Macro: 48.02881297446515

Atheism F1-Score (Negative Class): 79.5031055900621

Atheism F1-Score (Positive Class): 31.25

Atheism F1-Score (None Class): 33.33333333333333

Climate Change is a Real Concern Accuracy: 71.00591715976331

Climate Change is a Real Concern F Macro: 51.94869542695629

Climate Change is a Real Concern F1-Score (Negative Class): 30.76923076923077

Climate Change is a Real Concern F1-Score (Positive Class): 80.63241106719367

Climate Change is a Real Concern F1-Score (None Class): 44.44444444444444

Feminist Movement Accuracy: 51.578947368421055

Feminist Movement F Macro: 43.39869281045751

Feminist Movement F1-Score (Negative Class): 63.52941176470588

Feminist Movement F1-Score (Positive Class): 34.78260869565217

Feminist Movement F1-Score (None Class): 31.88405797101449

Hillary Clinton Accuracy: 56.61016949152542

Hillary Clinton F Macro: 47.06851119894598

Hillary Clinton F1-Score (Negative Class): 68.47826086956522

Hillary Clinton F1-Score (Positive Class): 33.33333333333333

Hillary Clinton F1-Score (None Class): 39.39393939393939

Legalization of Abortion Accuracy: 62.142857142857146

Legalization of Abortion F Macro: 51.68916936123065

Legalization of Abortion F1-Score (Negative Class): 74.30167597765363

Legalization of Abortion F1-Score (Positive Class): 45.714285714285715

Legalization of Abortion F1-Score (None Class): 35.051546391752574

F\_FAV = 53.19465081723626

F\_NEG = 70.94932191291934

F\_AVG = 62.071986365077805

IBM – UNIGRAM - STEM

Atheism Accuracy: 65.9090909090909

Atheism F Macro: 46.109698731903364

Atheism F1-Score (Negative Class): 78.52760736196319

Atheism F1-Score (Positive Class): 29.03225806451613

Atheism F1-Score (None Class): 30.76923076923077

Climate Change is a Real Concern Accuracy: 69.23076923076923

Climate Change is a Real Concern F Macro: 50.25191183085921

Climate Change is a Real Concern F1-Score (Negative Class): 26.666666666666668

Climate Change is a Real Concern F1-Score (Positive Class): 79.35222672064778

Climate Change is a Real Concern F1-Score (None Class): 44.73684210526316

Feminist Movement Accuracy: 54.385964912280706

Feminist Movement F Macro: 47.329149591328196

Feminist Movement F1-Score (Negative Class): 65.28189910979229

Feminist Movement F1-Score (Positive Class): 39.02439024390244

Feminist Movement F1-Score (None Class): 37.68115942028986

Hillary Clinton Accuracy: 55.932203389830505

Hillary Clinton F Macro: 46.10958216006259

Hillary Clinton F1-Score (Negative Class): 68.11989100817438

Hillary Clinton F1-Score (Positive Class): 31.11111111111111

Hillary Clinton F1-Score (None Class): 39.097744360902254

Legalization of Abortion Accuracy: 61.78571428571429

Legalization of Abortion F Macro: 53.539797860916835

Legalization of Abortion F1-Score (Negative Class): 73.04347826086956

Legalization of Abortion F1-Score (Positive Class): 45.09803921568628

Legalization of Abortion F1-Score (None Class): 42.47787610619469

F\_FAV = 52.93233082706767

F\_NEG = 70.64748201438849

F\_AVG = 61.78990642072808

IBM – UNIGRAM – SPELL

Atheism Accuracy: 67.27272727272727

Atheism F Macro: 52.451419659108176

Atheism F1-Score (Negative Class): 79.09967845659163

Atheism F1-Score (Positive Class): 32.35294117647059

Atheism F1-Score (None Class): 45.90163934426229

Climate Change is a Real Concern Accuracy: 69.8224852071006

Climate Change is a Real Concern F Macro: 51.67471505455018

Climate Change is a Real Concern F1-Score (Negative Class): 30.76923076923077

Climate Change is a Real Concern F1-Score (Positive Class): 79.51807228915662

Climate Change is a Real Concern F1-Score (None Class): 44.73684210526316

Feminist Movement Accuracy: 53.333333333333336

Feminist Movement F Macro: 46.47640111429514

Feminist Movement F1-Score (Negative Class): 64.07185628742515

Feminist Movement F1-Score (Positive Class): 38.9937106918239

Feminist Movement F1-Score (None Class): 36.36363636363637

Hillary Clinton Accuracy: 55.932203389830505

Hillary Clinton F Macro: 45.5946750988436

Hillary Clinton F1-Score (Negative Class): 68.46361185983828

Hillary Clinton F1-Score (Positive Class): 31.11111111111111

Hillary Clinton F1-Score (None Class): 37.2093023255814

Legalization of Abortion Accuracy: 61.42857142857143

Legalization of Abortion F Macro: 51.32427491271121

Legalization of Abortion F1-Score (Negative Class): 73.18435754189943

Legalization of Abortion F1-Score (Positive Class): 50.48543689320388

Legalization of Abortion F1-Score (None Class): 30.303030303030305

F\_FAV = 54.11061285500748

F\_NEG = 70.6560922855083

F\_AVG = 62.38335257025789

IBM - UNIGRAM – STEM - SPELL

Atheism Accuracy: 65.45454545454545

Atheism F Macro: 48.01448528880214

Atheism F1-Score (Negative Class): 77.9874213836478

Atheism F1-Score (Positive Class): 28.125

Atheism F1-Score (None Class): 37.93103448275862

Climate Change is a Real Concern Accuracy: 70.41420118343196

Climate Change is a Real Concern F Macro: 51.3025727659874

Climate Change is a Real Concern F1-Score (Negative Class): 26.666666666666668

Climate Change is a Real Concern F1-Score (Positive Class): 80.48780487804879

Climate Change is a Real Concern F1-Score (None Class): 46.75324675324675

Feminist Movement Accuracy: 56.84210526315789

Feminist Movement F Macro: 49.012915739706784

Feminist Movement F1-Score (Negative Class): 68.43657817109144

Feminist Movement F1-Score (Positive Class): 40.76433121019109

Feminist Movement F1-Score (None Class): 37.83783783783784

Hillary Clinton Accuracy: 56.949152542372886

Hillary Clinton F Macro: 47.82127495046156

Hillary Clinton F1-Score (Negative Class): 68.87052341597796

Hillary Clinton F1-Score (Positive Class): 33.68421052631579

Hillary Clinton F1-Score (None Class): 40.909090909090914

Legalization of Abortion Accuracy: 61.42857142857143

Legalization of Abortion F Macro: 52.159746510028995

Legalization of Abortion F1-Score (Negative Class): 72.88135593220339

Legalization of Abortion F1-Score (Positive Class): 42.857142857142854

Legalization of Abortion F1-Score (None Class): 40.74074074074074

F\_FAV = 53.63636363636364

CHATGPT – NGRAM

Atheism Accuracy: 71.36363636363636

Atheism F Macro: 49.757154582269806

Atheism F1-Score (Negative Class): 83.08605341246292

Atheism F1-Score (Positive Class): 32.142857142857146

Atheism F1-Score (None Class): 34.04255319148936

Climate Change is a Real Concern Accuracy: 75.14792899408283

Climate Change is a Real Concern F Macro: 45.417824717435614

Climate Change is a Real Concern F1-Score (Negative Class): 0.0

Climate Change is a Real Concern F1-Score (Positive Class): 84.8249027237354

Climate Change is a Real Concern F1-Score (None Class): 51.42857142857142

Feminist Movement Accuracy: 61.40350877192983

Feminist Movement F Macro: 50.80085952967309

Feminist Movement F1-Score (Negative Class): 73.50427350427351

Feminist Movement F1-Score (Positive Class): 45.0

Feminist Movement F1-Score (None Class): 33.89830508474576

Hillary Clinton Accuracy: 64.7457627118644

Hillary Clinton F Macro: 56.07037597163864

Hillary Clinton F1-Score (Negative Class): 73.62924281984334

Hillary Clinton F1-Score (Positive Class): 43.83561643835616

Hillary Clinton F1-Score (None Class): 50.74626865671642

Legalization of Abortion Accuracy: 62.142857142857146

Legalization of Abortion F Macro: 53.72727020951601

Legalization of Abortion F1-Score (Negative Class): 72.52124645892351

Legalization of Abortion F1-Score (Positive Class): 49.056603773584904

Legalization of Abortion F1-Score (None Class): 39.603960396039604

F\_FAV = 60.12269938650307

F\_NEG = 74.98257839721255

F\_AVG = 67.55263889185781