Topic Modeling Results

Topics: 2, Coherence Score: 0.22505068389078486

Topics: 3, Coherence Score: 0.28081982066770983

Topics: 4, Coherence Score: 0.5048855998069781

Topics: 5, Coherence Score: 0.3304594686928869

Topics: 6, Coherence Score: 0.3089569244347346

Topics: 7, Coherence Score: 0.4065163646852591

Topics: 8, Coherence Score: 0.36277020826951034

Topics: 9, Coherence Score: 0.46891786166107824

Topics: 10, Coherence Score: 0.4528907861473915

Best Coherence Score: 0.5048855998069781, Best Alpha: None, Best Beta: None

Unseen Article Topic Prediction:

Article: C:/Users/Administrator/Desktop/MAN7916/local\_data/papers\unseen.txt

Predicted Topic Distribution:

Topic 0 - 38.17%

Keywords: work (0.016300000250339508), mindfulness (0.01209999993443489), self (0.011500000022351742), intrusions (0.009600000455975533), incivility (0.009200000204145908), emotional (0.008700000122189522), focus (0.007799999788403511), regulatory (0.007300000172108412), employees (0.006800000090152025), may (0.006500000134110451)

Topic 1 - 7.27%

Keywords: justice (0.0406000018119812), change (0.022099999710917473), time (0.016100000590085983), model (0.012400000356137753), engagement (0.010099999606609344), status (0.009800000116229057), employees (0.009700000286102295), work (0.008799999952316284), withdrawal (0.00860000029206276), avoidance (0.00839999970048666)

Topic 2 - 51.76%

Keywords: acting (0.01850000023841858), emotional (0.014399999752640724), depletion (0.012799999676644802), surface (0.011699999682605267), deep (0.01080000028014183), emotions (0.010700000450015068), regulation (0.009700000286102295), emotion (0.009200000204145908), positive (0.008899999782443047), employees (0.008799999952316284)

Topic 3 - 2.81%

Keywords: moral (0.029999999329447746), emotions (0.022299999371170998), team (0.019999999552965164), behaviors (0.014399999752640724), norms (0.012400000356137753), members (0.010400000028312206), ethical (0.010200000368058681), teams (0.009399999864399433), social (0.008100000210106373), self (0.006300000008195639)

The model assigned a 51.76% probability to Topic 2, indicating that the unseen article strongly aligns with this particular topic identified by my best LDA model. Given that the article is indeed about emotion and depletion, I believe the model has done a good job in identifying its themes.