

IDS-FA22-Assignment

Due Date: 30-12-2022

Submission: Please upload the PDF report and Python code (preferably iPython notebook) to GitHub.

Solve the following two questions manually as well as implement the solution using Python. Submit both solutions.

Q1. Compute the BoW model, TF model, and IDF model for each of the terms in the following three sentences. Then calculate the TF.IDF values.

S1 “sunshine state enjoy sunshine”

S2 “brown fox jump high, brown fox run”

S3 “sunshine state fox run fast”

Q2. Compute the cosine similarity between S1 and S3.