

Sat, 8/2, 10:00

# PROJECT PRESENTATION EVALUATION FORM

Student Name: Mohamed Dhankwala

Criterion	Max	Score
Statement of Problem	15	15
Approach	20	15
Background and Related Work in Field	15	10
Results	15	15
Discussion and Analysis of Results	20	17
Relevant Future Work	5	5
Clarity in Presentation	10	8
Total	100	85

Hypothesis: FINGER faster comparisons + ~~lower~~ recall than HNSW + DABS.

<p><b>Statement of Problem and Approach</b></p> <p>Compare HNSW, FINGER, DABS          GloVe data set, 4 dimensions          Measure recall + comparisons          ↳ dist. calc.          1000 random query words.          ↓          Query!</p>	<p><b>Background and Related Work in Field</b></p> <p>Approximate NN.          Navigable small worlds.          ↳ HNSW → mentioned ref.          FINGER + DABS (w/ refs)          No related work.</p>
<p><b>Results</b></p> <p>Graphs. → Very small!          Recall @ k          # "comparisons"</p>	<p><b>Discussion and Analysis of Results</b></p> <p>Rate of pre-computation          Only tested for 25 i)          - Lacked compute power          - No specific tuning          - Customized candidate pool          Time not relevant.</p>
<p><b>Relevant Future Work</b></p> <p>Adaptive hyperparameters          Library adjustments          Alternative search strategies          + heuristics</p>	<p><b>Clarity in Presentation</b></p> <p>SHU template          Reading a script?          Used graphics of math.          A lot on background.          Pace a bit fast.          Trouble flipping slides.</p>

No →