**Z534: Search**

**Project Report**

**Yelp Dataset Challenge**

Report by –

Suhas Jagadish

Supreeth Suryaprakash

Raghuveer Krishnamurthy

Sanjana Agarwal

Contents

[1 Task: Category prediction for Business 3](#_Toc469315929)

[1.1 Research question 3](#_Toc469315930)

[1.2 Flow diagram 3](#_Toc469315931)

[1.3 Data preprocessing 3](#_Toc469315932)

[1.4 Method/Algorithm 3](#_Toc469315933)

[1.5 Experiments and Evaluation 3](#_Toc469315934)

[2 Task: Personalization of user’s dashboard 3](#_Toc469315935)

[2.1 Research question 3](#_Toc469315936)

[2.2 Find similar users to follow 3](#_Toc469315937)

[2.3 Predict user’s favorite category 3](#_Toc469315938)

[2.4 Predict user’s favorite neighborhood 3](#_Toc469315939)

[2.5 Predict Business using HMM 3](#_Toc469315940)

[2.6 Experiments and Evaluation 3](#_Toc469315941)

[3 Conclusion 3](#_Toc469315942)

[4 Future scope 3](#_Toc469315943)

[5 References 3](#_Toc469315944)

# Task: Category prediction for Business

## Research question

## Flow diagram

## Data preprocessing

## Method/Algorithm

## Experiments and Evaluation

# Task: Personalization of user’s dashboard

## Research question

## Find similar users to follow

## Predict user’s favorite category

## Predict user’s favorite neighborhood

## Predict Business using HMM

## Experiments and Evaluation

# Conclusion

# Future scope

# References