

TRAVEL RECOMMENDATION SYSTEM

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PROBLEM STATEMENT

- DEVELOP A SYSTEM THAT RECOMMENDS A TRAVEL DESTINATION BEST SUITED TO A USER BASED ON USER AND TRIP ATTRIBUTES.

LITERATURE SURVEY

- IN THE PAPER “TRAVEL RECOMMENDATION SYSTEM FOR TOURISTS THROUGH CHECK-IN DATA”, THE AUTHORS HAVE PROPOSED A SYSTEM TO RECOMMEND TRAVEL DESTINATIONS BASED ON THE USERS PREVIOUS CHECK-IN DATA.
- THE AUTHORS ALSO PROPOSE USING USER’S AND THEIR FRIEND’S FACEBOOK DATA TO REFINE THE RECOMMENDATION SYSTEM.
- THE PROPOSAL HAS SEVERAL SHORTCOMINGS SUCH AS
 - NOT EVERY USER OF THIS SYSTEM USES FACEBOOK OR IS ACTIVE ON THE SOCIAL PLATFORM
 - FACEBOOK DATA IS NOT RELIABLE

INTRODUCTION

- RECOMMENDS TRAVEL DESTINATIONS BEST SUITED FOR THE USER
- OBTAINS USER & TRIP DETAILS THROUGH A PRE-DEFINED FORM
- ACCORDING TO THE USER & TRIP DETAILS, THE TRAINED CLASSIFIER RECOMMENDS A CLASS
- THE CLASS IS NOTHING BUT A DESTINATION
- DOMAIN: MACHINE LEARNING

TECHNOLOGY STACK

- FRONT END: HTML, JAVASCRIPT, JQUERY, BOOTSTRAP
- BACKEND: SQL, DJANGO
- ANALYSIS: Scikit Learn

WEEKLY PLAN

- WEEK 1: SURVEY EXISTING SOLUTIONS FOR THE PROBLEM
- WEEK 2: STUDY THE FEATURES OF TECHNOLOGIES TO BE USED
- WEEK 3 & 4 & 5: PREPARE THE DATASET & WORK ON DEVISING AN ALGORITHM TO FORM CLUSTERS OUT OF PREVIOUS DATA AND PREDICT OUTCOMES FOR NEW DATA
- WEEK 6 & 7: BEGIN DEVELOPMENT OF FINAL SYSTEM
- WEEK 8: TESTING AND DEPLOYMENT OF THE SYSTEM

CONCLUSION

- THIS SYSTEM AIMS ON OVERCOMING VARIOUS SHORTCOMINGS OF THE PREVIOUSLY PROPOSED SYSTEM
- THIS SYSTEM USES DATA FROM RELIABLE SOURCES SUCH AS TRAVEL REVIEW SITES AND GOOGLE MAPS DATA.