Intelligent Tourist Travel Planner

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I. INTRODUCTION

A. Problem Definition

Producing an itinerary before a trip can be a demanding task which requires a substantial amount of research. Many times people rely on travel books, individual travel blogs and online websites to form a holiday plan, but these end up influencing traveller's preferences and opinions [1].

An adequate automated trip planner application would consist of two parts, data retrieval based on the end-user and a generated itinerary. Numerous systems are available and therefore building a working prototype is possible and feasible [1]–[9]. Altough these systems can automate well the process of producing the itinerary, do they require a lot of end-user data and preferences? How much of the user information gathering can be automated?

Given the amount of information a single user holds online, it is possible to automate and help the process of gathering personal preferences [10]. A deep learning model could be trained to classify a person's social media profile, for instance Instagram and

B. Motivation

II. LITERATURE REVIEW

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