All-in-one Traveler

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Introduction

Currently, users endure a negative experience to search for different information in separate apps, including *Airbnb*, *Yelp* and *Google Maps*, and manually collect information on their own. Our proposed All-in-one Travel **recommendation** App aims to kill three birds with one stone to enhance recommendation quality in **Las Vegas**.

Our App combines:
- **user preference**
- **historic reviews**
- **map visualizations**

Data

The dataset includes both **Yelp** and **Airbnb** data. The Airbnb data is gathered from InsideAirbnb, a public data project website. It contains the detailed listing and reviews in csv format. For our project, we downloaded the Airbnb data for Clark County, Nevada. The Yelp data is collected from the Yelp Dataset Challenge that is hosted by Yelp. It contains different Yelp business and review data around the US.

The Airbnb data is already formatted and cleaned, but only the key attributes for each listing are stored in our dataset. The key attributes contains summary, room type, neighborhood, etc. The Yelp data are filtered to restaurants only in Las Vegas.

Type	# of Records	# of Reviews
AirBnb	2487	1.4 Million

Interactive Visua

Main functions:
- Perefence Interface
- Map Visualization
- Information Dashbo

The **map visualization** for **data processing**. Th

Why & Innovation
The visualized map c restaurants and provid restaurants can be **sea** can help users effective websites. It also provides

Results: Searches

Preference listings: Base **best matched merchan similarity is 0.91**. Keywords searching: Bas we provided fast and ac

The online algorithms n provide an efficient and

Results: Map Vis

Our methods combine efficiency for the **user** and save labor compare