

Recommending Crowdsourced Trips on wOndary

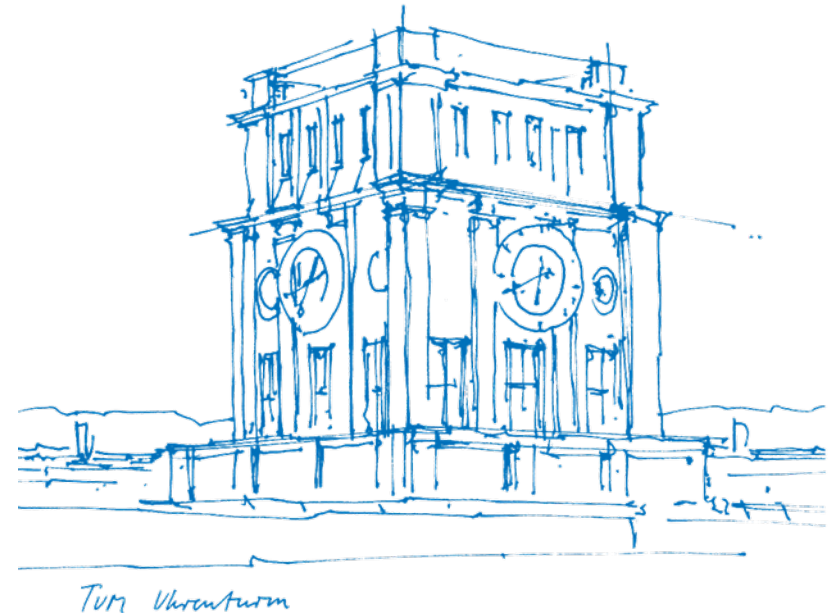
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RecTour Workshop, Vancouver, Canada
October 7, 2018



A Platform for Travel Planning



- Home
- Explore
- Trips +
- Scratchpad
- Settings
- NEW Save Button
- Nearby Activity
- FAQ
- Logout
- Report Bug

Welcome to Jordan!

4 Monday, Apr 2 Amman, Jordan

No accommodation yet 3 Activities <-> 2 km +

Roman Theatre
Al-Hashemi St., Amman, Jordan

Amman
Jordan

Grand Hussein Mosque
Al Hussein Bin Talal Mosque, King Talal St 1, Amman, Jordan

5 Tuesday, Apr 3 Amman, Jordan

No accommodation yet 2 Activities <-> 20 km +

Azraq
Jordan

VIEW SUGGESTIONS

Map Satellite

MARCH - APRIL 2018

| M | T | W | T | F | S | S |
|----|----|----|----|----|----|----|
| 26 | 27 | 28 | 29 | 30 | 31 | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |

SYNC TO CALENDAR

IN THIS TRIP

GET TIPS FROM FRIENDS

Tailor a Facebook post asking for tips for this trip

ASK FOR TIPS

<http://wondary.com>

A Data Model for Trips

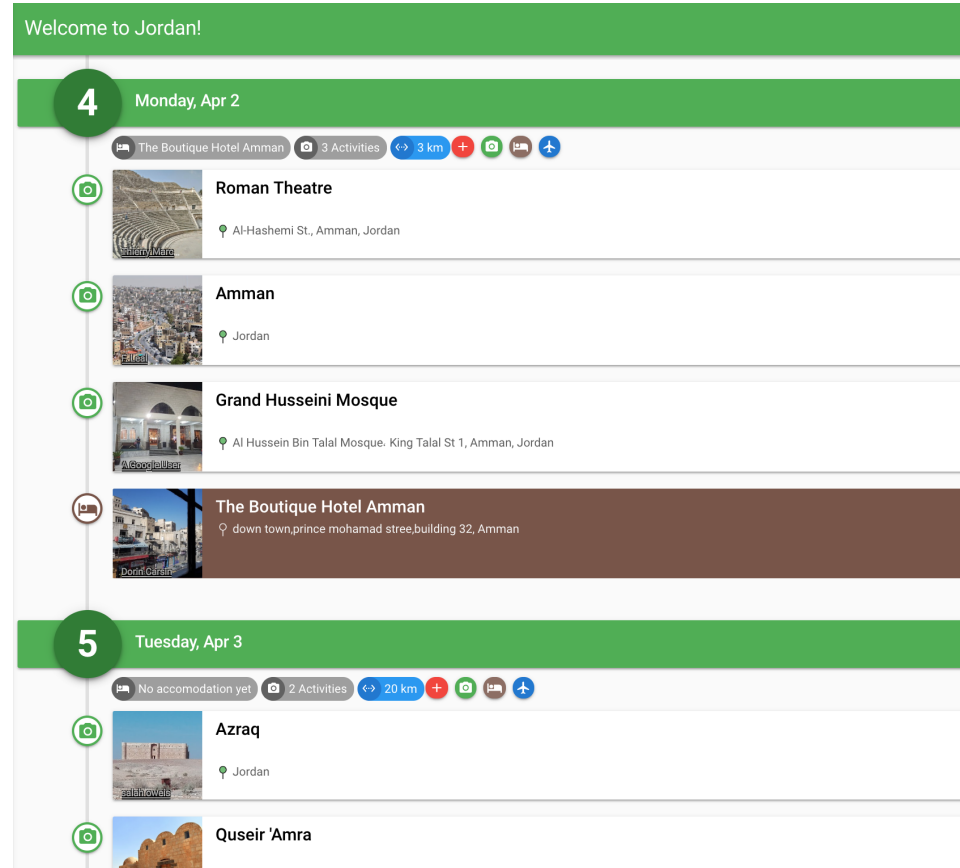
Trip

Block: Consecutive stay at one location

Day

Entries (Google Places)

- Activity
- Accomodation
- Transport



Recommendations on the Explore Page


Explore

Try Cuba

72 hours 1 week 2+ weeks Select Month


CREATE MY TRIP CHALLENGE US

Too many trips found! Zoom in to view more




Kerala discovery
11 days
Including: Kochi, Alappuzha, Ernakulam, Kovalam, Varkala,
[https://www.virtual-trip.fr/voyages/a...](#)

ADD TO TRIP




Trip to Myanmar (Bir...
24 days
Including: Rangoun, Kalaw, Nyaung Shwe, Lac Inle, Nyaung Shwe, Thibaw,
[https://www.virtual-trip.fr/voyages/a...](#)

ADD TO TRIP




Trip to Nepal
10 days
Including: Siddharthanagar, Tansen, Pokhara, Bandipur, Kathmandu,

ADD TO TRIP




Israel
15 days
Including: Tel Aviv-Yafo, Haifa, Upper Galilee, Lower Galilee, Jerusalem,

ADD TO TRIP



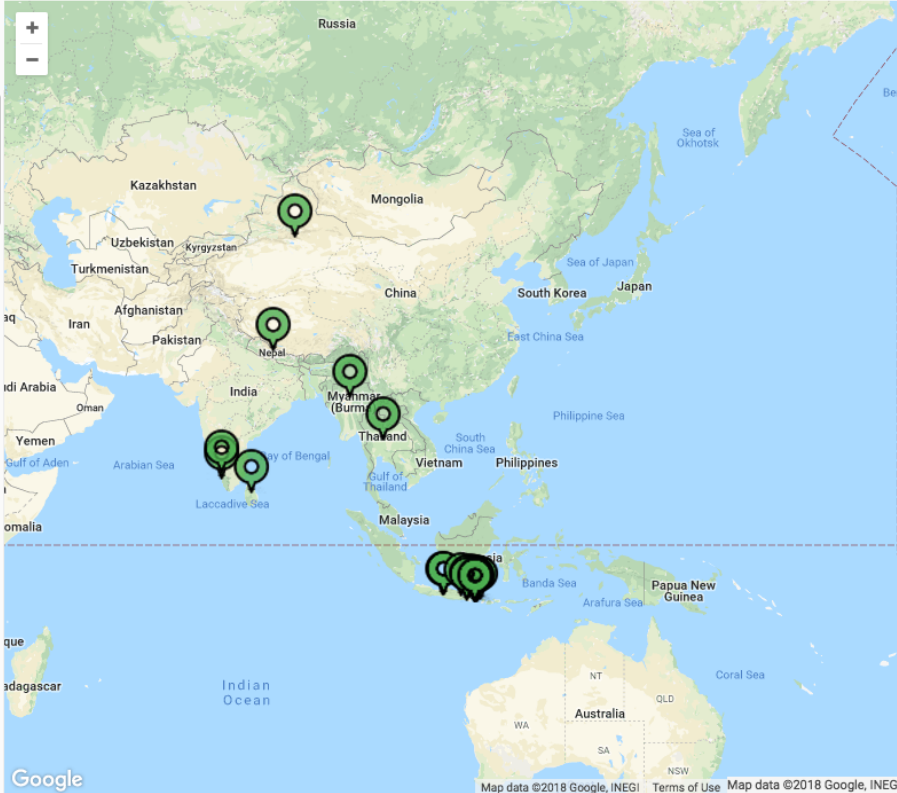
Mount Batur
1 day
Part of [Bali essentials in 2 weeks](#)

ADD TO TRIP



Amed Beach
2 days
Part of [Bali essentials in 2 weeks](#)

ADD TO TRIP



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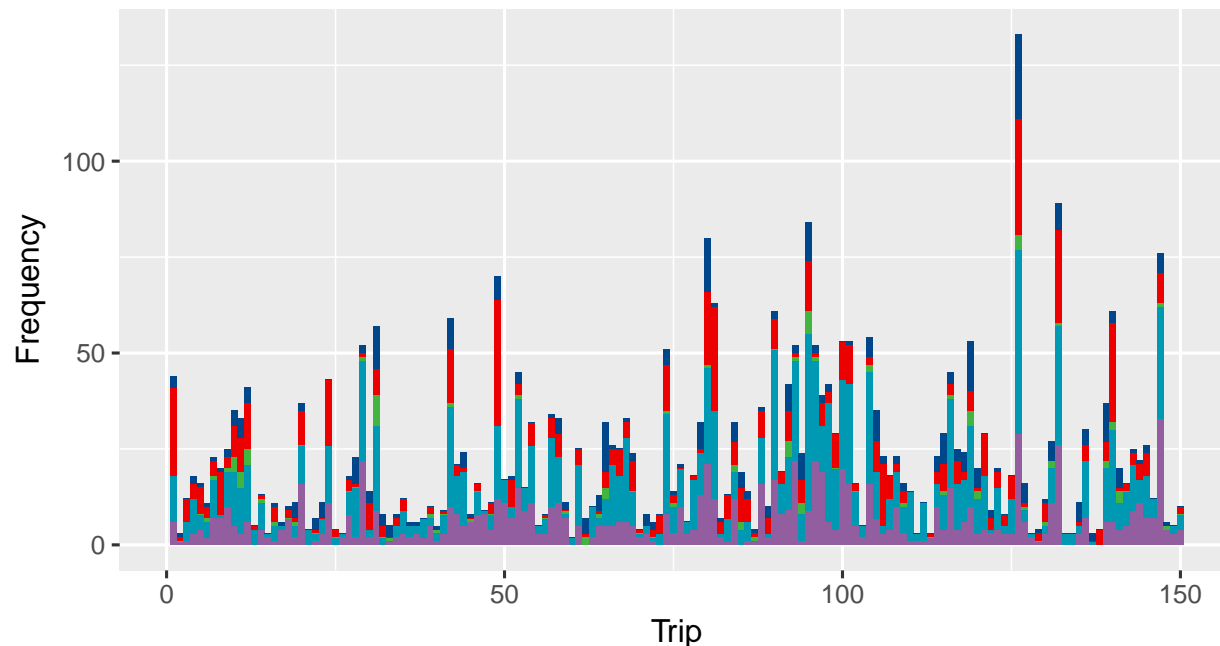
<https://wondary.com/explore>

Trip Classification

Categorization of the attractions according to their types

Enrichment of Google Places information with Foursquare lookup

Trip classification based on the amount of items per category



Core Recommender System

Content-based recommendation based on the categorization

User model: aggregation of all copied trips

Ranking computed using the Cosine Distance

Future Innovation

Overcome the cold start problem: click stream analysis, preference elicitation games

Exploit the data model

Explaining recommendations

Conversational recommendation and critiquing

Group recommendation, decision support

Conclusions

User interface for trips around the world

Structured representation of trips

Framework for core recommender system established

Opportunity for innovation

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