



TYROL STP

EXPLORE TYROL LIKE NEVER BEFORE

S(MART) T(RIP) P(LANNER) FOR TYROL AND SOUTH TYROL



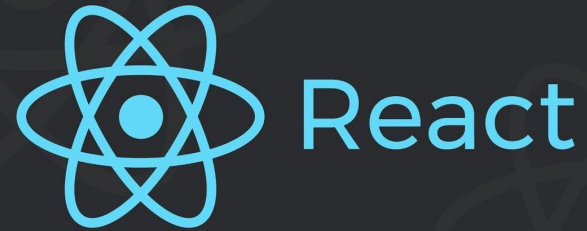
Tyrol and South Tyrol!

Let's Plan!

Backend



Frontend



From

Where do you start?

To

What is your goal?

When do you take the trip?

mm / dd / yyyy

Stops?

- Restaurant
- Monasteries
- Castles

Max Stops

0

Are you driving an electric car? ▾

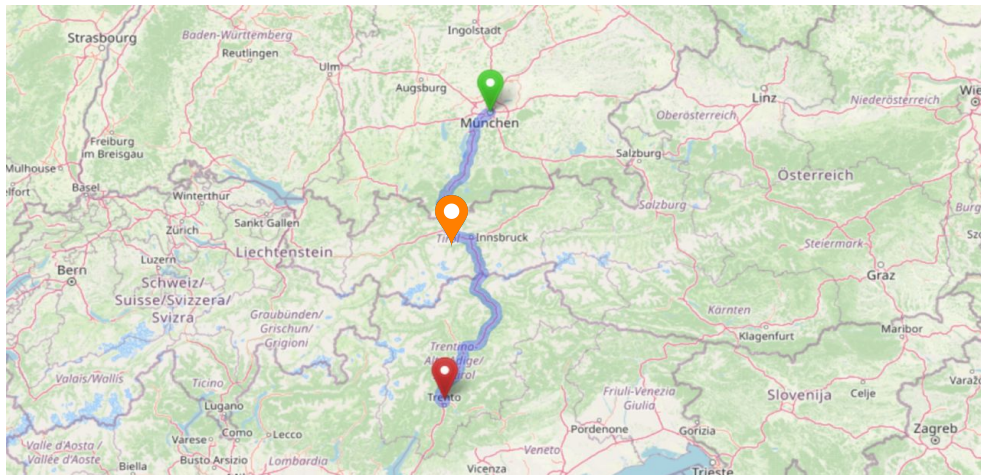
Go

The Recommendation Algorithm

- Given a departure and an arrival city, find a “starting” path (“**S_{min}**”)
 - Bolzano’s mobility opendata to extract **parking sites**
- Take all matching points of interests (POIs) in an enclosing circle centered at the midpoint of the two cities
 - SPARQL to perform classification and clustering of spatial circumscription
- Filter the **100s** of POIs by proximity to **S_{min}** by preferring no more than **P_{max}** points (< 5 in practice)
- Re-calculate the route by adding those POIs as stops
 - Up to 4! possibilities,
- Return all suggested routes

SPARQL Queries API

```
1 PREFIX schema: <https://schema.org/>
2 PREFIX odta: <http://odta.io/voc>
3 PREFIX omgeo: <http://www.ontotext.com/owlim/geo#>
4 select ?s ?lat ?lon from <http://onlim.com/graph/68a1b568fa18593135cb243cda315c33> where {{
5     ?s a schema:Tavern;
6         schema:geo ?nearGeo.
7
8     ?nearGeo omgeo:nearby({lat} {lon} {radius});
9         schema:latitude ?lat;
10        schema:longitude ?lon.
11 }}
12
13 LIMIT 10
```




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List of Locations:

 Start: München

 Stop: Charging station

 End: Trento

**Thank you for your
attention!**