

Polyhack 2021, Team 5, Benjamin Ries, Alzbeta Kubincova, Marc Lehner

# What are you looking for?



# What are you looking for?

1. An amazing outdoor activity
2. Stress free to get there
3. Easy planning



What are you looking for?

Convenience!



# Streamline decision making and Rank options by convenience

## **Convenience Rating:**

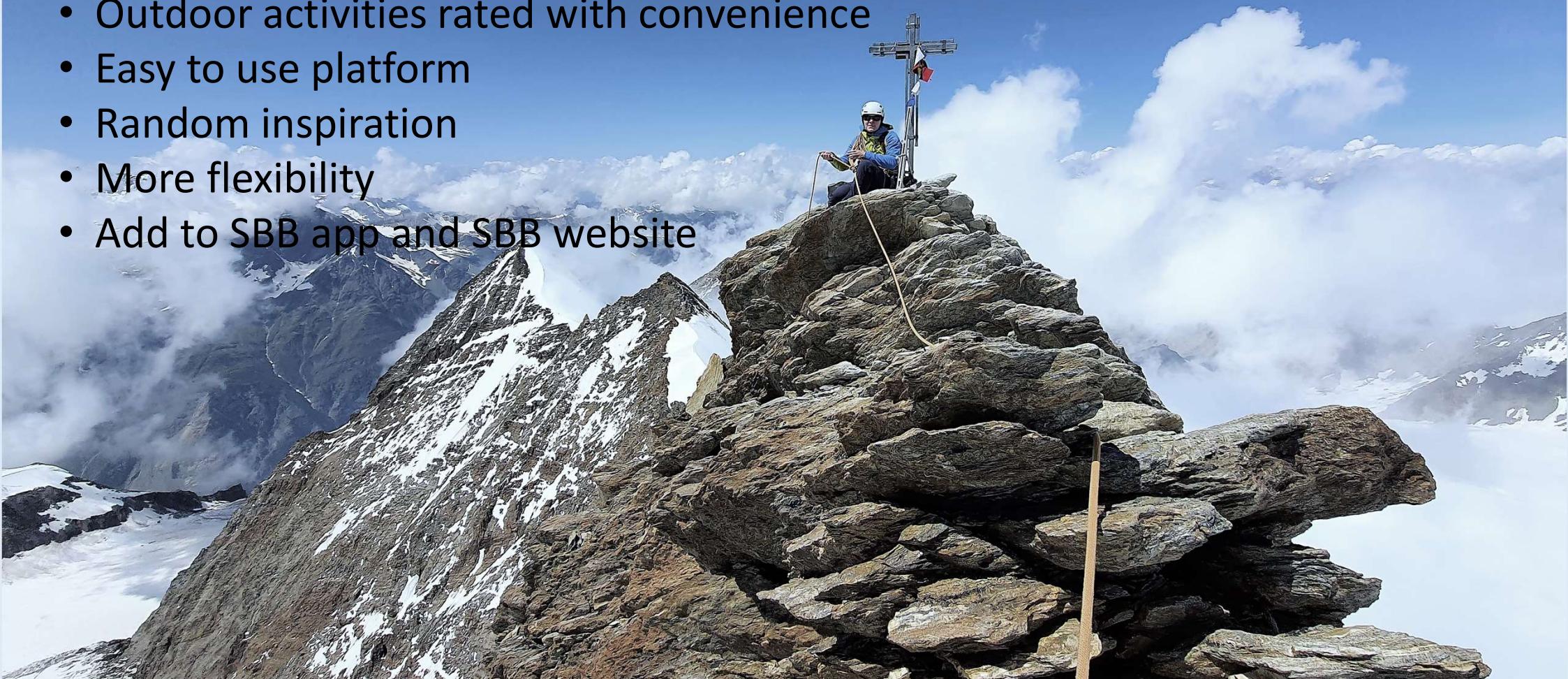
- How close to the next station is the start of the trip
- How long does the train ride take
- How many train/bus changes
- Additional factors, specific to your activity and preferences



# Guide people to smart decisions

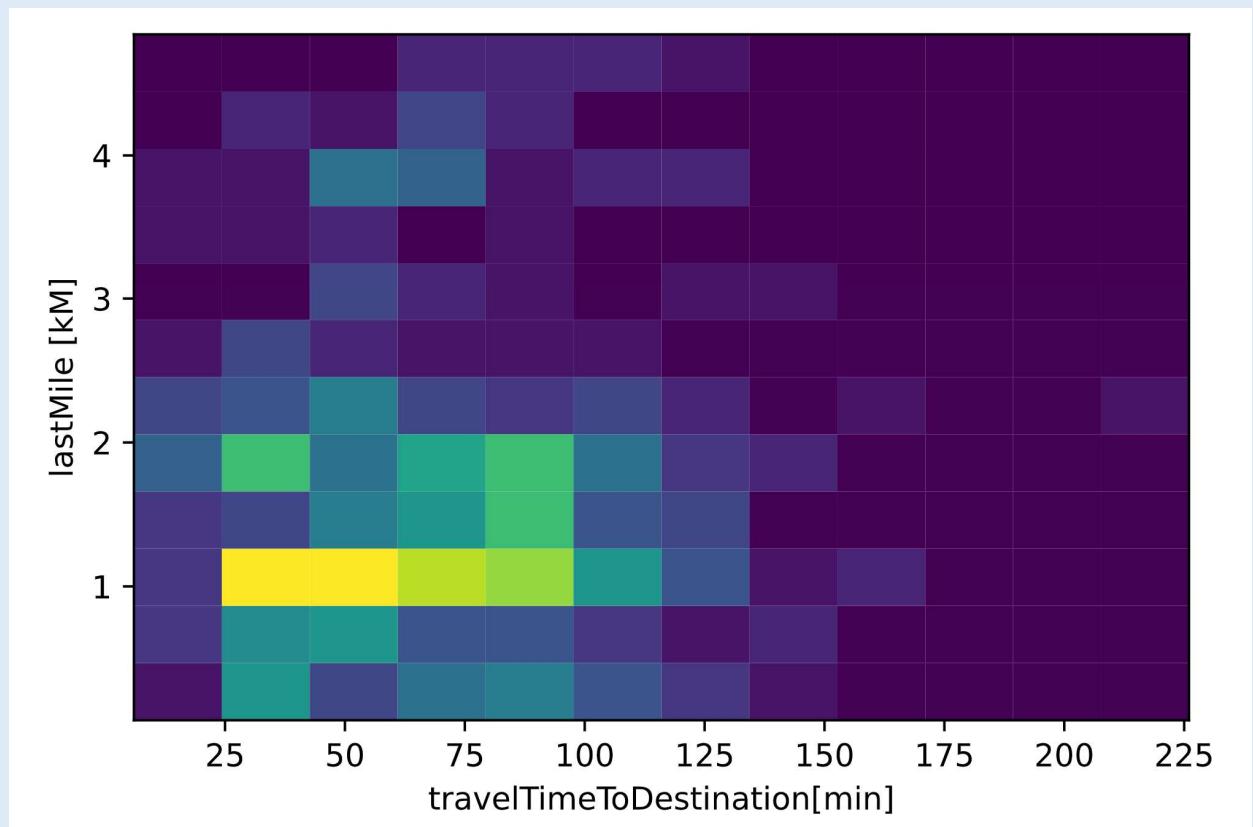
**Add convenience factor to decision making:**

- Outdoor activities rated with convenience
- Easy to use platform
- Random inspiration
- More flexibility
- Add to SBB app and SBB website



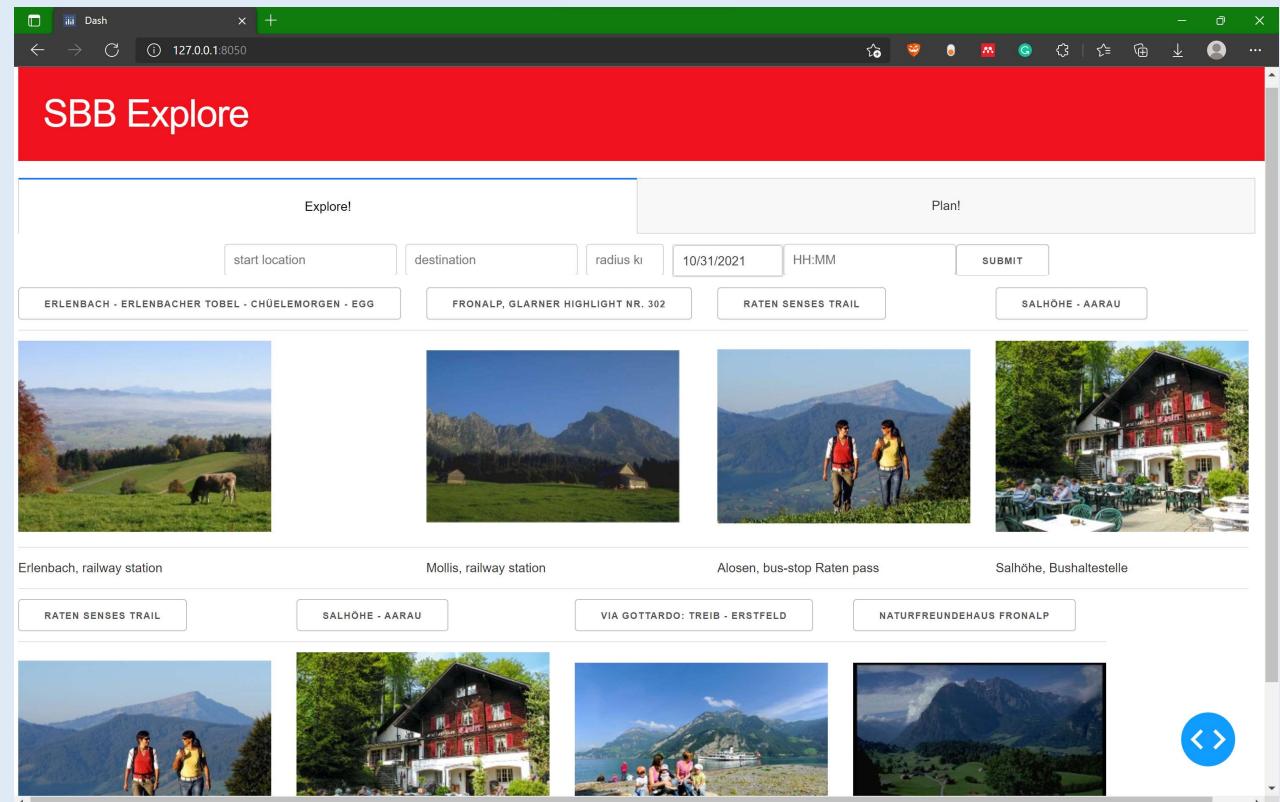
# Convenience rating

- Data
  - Outdoor Activity
  - Weather
  - SBB
- Try to optimize:
  - Travel time
  - Last mile
  - Expectations



# Explore – View from our website

- Add your starting location
- (add a target region)
- Add date and time
- Get inspired by convenient outdoor activities



# Planning – View from our website

- Get quick information about selected trip
- See possible SBB connections
- TODO: buy ticket

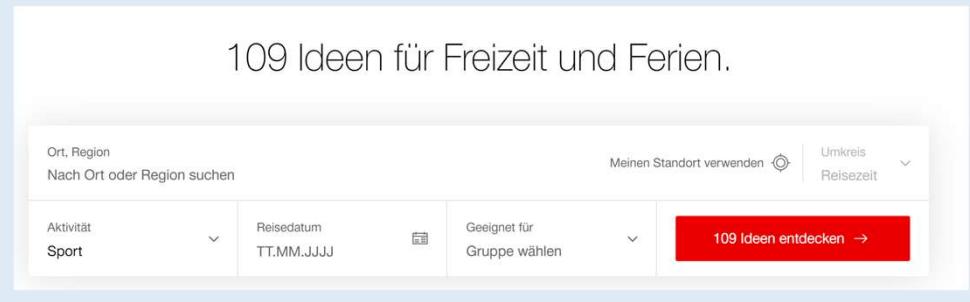
The screenshot shows a web browser window titled "SBB Explore" at the URL 127.0.0.1:8050. The interface is divided into several sections:

- Activity**: A summary section with a "Explore!" button.
- Route**: A table showing the route details:

title	duration	startDesc	length	descent	ascent	difficulty	departure	arrival	from	to	track
Erlenbach - Erlenbacher Tobel - Chüelemorgen - Egg	2:45:00	Erlenbach, railway station	9.75	398	398	2	12:43	14:56	Zürich HB	Ibergeregg, Alpstubli	6
							13:05	14:56	Zürich HB	Ibergeregg, Alpstubli	9
							13:43	15:20	Zürich HB	Ibergeregg, Alpstubli	6
							14:43	16:56	Zürich HB	Ibergeregg, Alpstubli	6
							15:05	16:56	Zürich HB	Ibergeregg, Alpstubli	8
- Getting There**: A table showing arrival details.
- Arrival**: A table showing arrival details.
- Map**: A map showing the route from Erlenbach to Ibergeregg, Alpstubli. The route is highlighted in red on a green background with various locations labeled.
- Return**: A table showing departure details.

# Outlook

- Possible collaborations
  - Outdoor activities
  - Swiss Parks
  - Gastronomie Suisse
  - SAC
- Addition to SBB freizeitangebot  
<https://www.sbb.ch/de/freizeit-ferien/freizeitangebote/tagesausfluege.html>
  - Increasing the options from 109 to over 5000 options
- Addition to the SBB app
  - Using current location
  - Setting preferences



outdooractive

GASTRO SUISSE



# Conclusion

- Smart decision making
- Convenience
- Fully integrable

Code available on GitHub: [https://github.com/SchroederB/polyHack2021\\_SBB](https://github.com/SchroederB/polyHack2021_SBB)



SBB Mobile

## Aare Schlucht - Hike

Active



City



# Plan



SBB Mobile

Explore

Active



City



# Explore



SBB Mobile

Explore

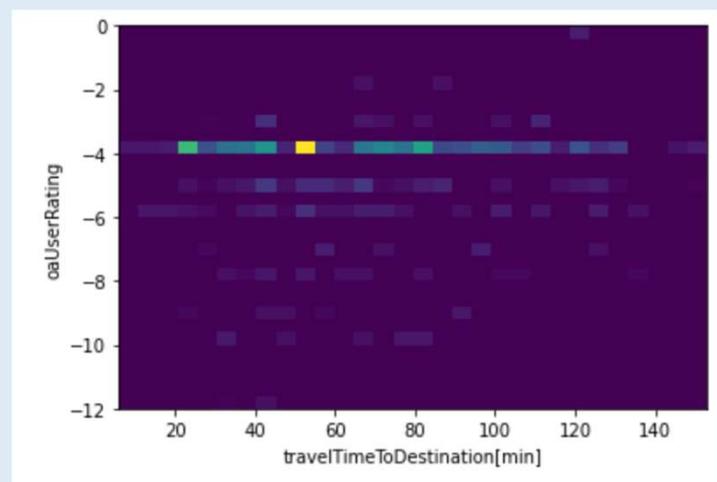
Active



City



# Share



Screenshot of the SBB Explore application interface.

The title bar shows "Dash" and the URL "127.0.0.1:8050".

# SBB Explore

Explore!

Plan!

Form fields:

- Bern
- Ilanz
- 5
- 10/31/2021
- HH:MM
- SUBMIT

Buttons:

- FLOND NACH ILANZ - EINE SCHLITTELTOUR IM KANTON GRAUBÜNDEN
- TOMÜLPASS
- FIL DA RUEUN (2351 MÜ.M.)

Images:

- Flond: A person in an orange jacket sledding down a snowy slope.
- Ilanz, Bahnhof: A view of a mountain pass with a road and some buildings.
- Siat, Bushaltestelle: A wooden cross on a snowy mountain peak.

Text labels below images:

- Flond
- Ilanz, Bahnhof
- Siat, Bushaltestelle

Buttons:

- FIL DA RUEUN (2351 MÜ.M.)

Image slider:

- A large image of a wooden cross on a snowy mountain peak.
- A blue circular navigation button with left and right arrows.

Screenshot of the SBB Explore application interface.

The top navigation bar shows the title "Dash" and the URL "127.0.0.1:8050".

# SBB Explore

Explore! | Plan!

## Activity

### Route

title	duration	startDesc	length	descent	ascent	diffuculty	departure	arrival	from	to	track
Erlenbach - Erlenbacher Tobel - Chülemorgen - Egg	2:45:00	Erlenbach, railway station	9.75	398	398	2	12:43	14:56	Zürich HB	Ibergeregg, Alpstubli	6
							13:05	14:56	Zürich HB	Ibergeregg, Alpstubli	9
							13:43	15:20	Zürich HB	Ibergeregg, Alpstubli	6
							14:43	16:56	Zürich HB	Ibergeregg, Alpstubli	6
							15:05	16:56	Zürich HB	Ibergeregg, Alpstubli	8

### Map

## Getting There

### Arrival

departure	arrival	from	to	track
12:43	14:56	Zürich HB	Ibergeregg, Alpstubli	6
13:05	14:56	Zürich HB	Ibergeregg, Alpstubli	9
13:43	15:20	Zürich HB	Ibergeregg, Alpstubli	6
14:43	16:56	Zürich HB	Ibergeregg, Alpstubli	6
15:05	16:56	Zürich HB	Ibergeregg, Alpstubli	8

### Return

departure	arrival	from	to	track
12:43	14:56	Zürich HB	Ibergeregg, Alpstubli	6
13:05	14:56	Zürich HB	Ibergeregg, Alpstubli	9

Blue circular button with arrows: < >