Research Objectives

1. Examine multiculturalism through the lens of language use in Switzerland.
2. Compare basic patterns of language usage across cantons with traditional census data.
3. Extract basic content trends via topic models.

Data Summary

21,780 comments – 8,748 users – 53 languages

<table>
<thead>
<tr>
<th>Language Used</th>
<th>% of Total Comments</th>
<th>% of Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (EN)</td>
<td>58.22</td>
<td>61.28</td>
</tr>
<tr>
<td>German (DE)</td>
<td>21.91</td>
<td>20.52</td>
</tr>
<tr>
<td>French (FR)</td>
<td>10.68</td>
<td>9.28</td>
</tr>
<tr>
<td>Italian (IT)</td>
<td>3.41</td>
<td>3.64</td>
</tr>
</tbody>
</table>

Spatial Distribution of Language Usage

Relative rankings of marginally spoken languages in different cantons, as per national census, completely matches with Foursquare.

Each dot denotes a comment, with color depicting its language. Language border is visible across different language-speaking cantons.

Topical Analysis

Spatial distribution of topics captures region’s multicultural idiosyncrasies.

Topic 1 - Transport
airport train swiss ticket hour
don’t zurich security class chf wi
fi area long bay shop switzerland
shopping expensive

Topic 7 - Fast Food
burger hamburgers de drink
forget fries chips kind generous
dont cheese owners backpacker
hostel pub guiness romandie

Topic 3 - Italian Cuisine
pizza italian pizzas pasta pie
tiramisu shopping pretty terrible
restaurant chocolate vis al store
bernerehof made special gnocchi