Finding a location for a german/bavarian-style restaurant in Munich

Burkhardt Röper

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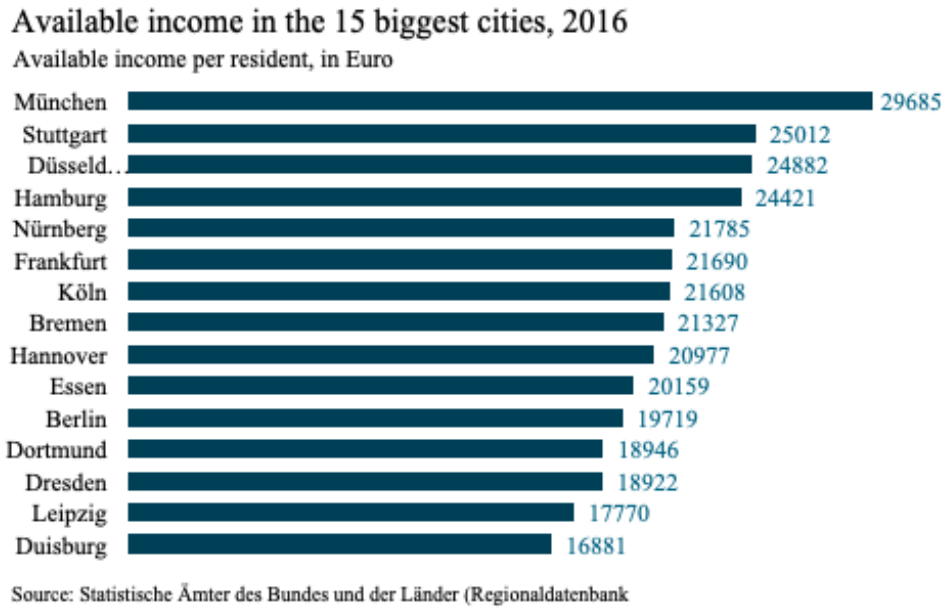
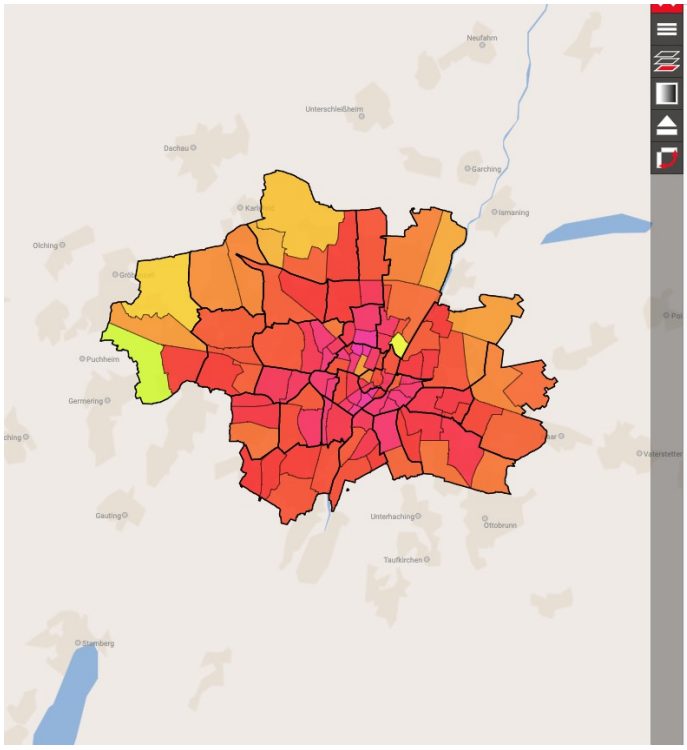
Data description

Different sources of data were used in this study (in parentesis the source):

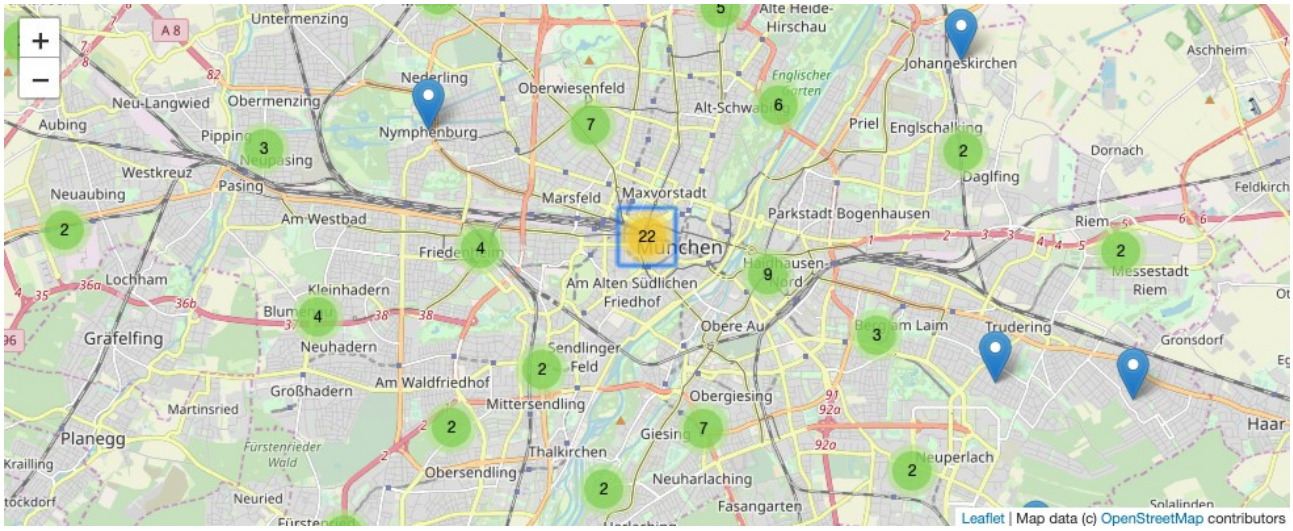
1. Available income in the 15 biggest cities in germany (German Statistical Agency). It is a well known fact, that Munich is the wealthiest city in Germany. Numbers from German Statistical Agency confirmed the assumption.



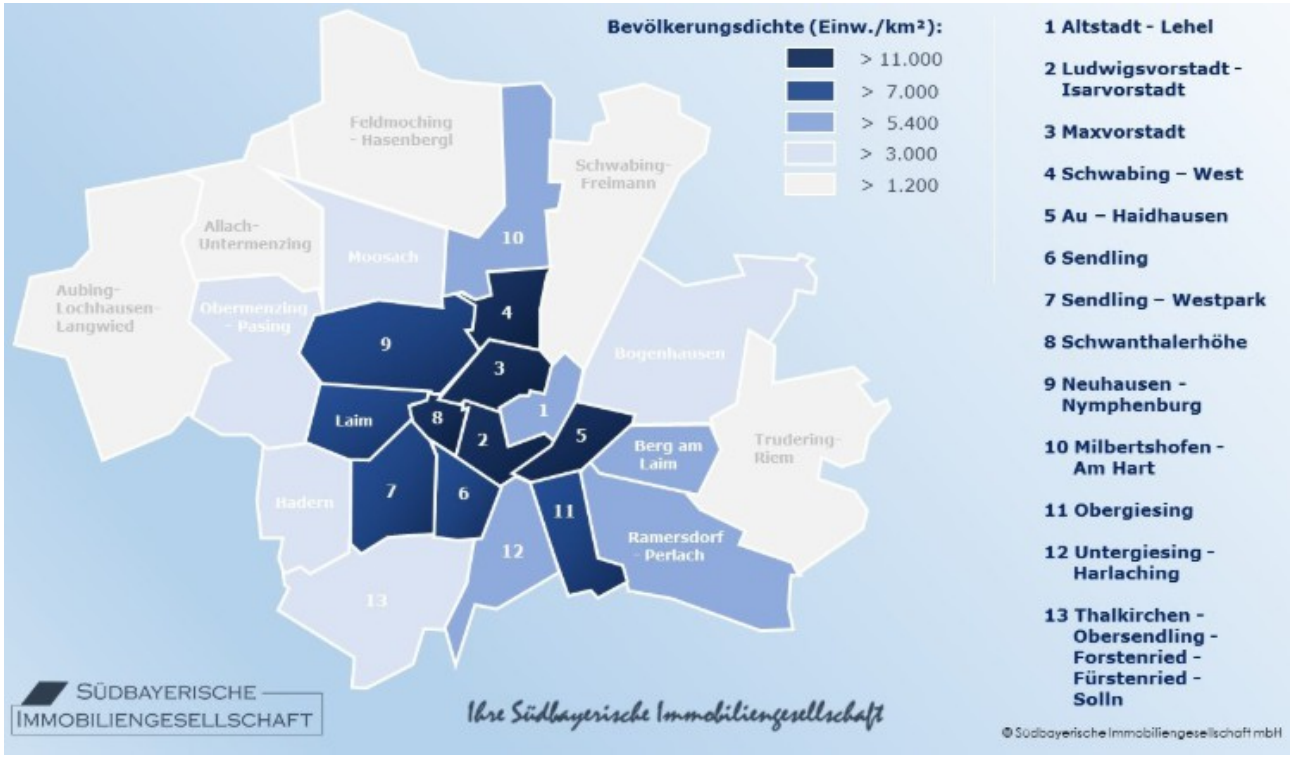
2. List of munich neighborhoods and their population (citypopulation.de). Citypopulation.de is a good source, but there is no api-service to get the data. So it had to be crawled from the website. This was done with the BeautifulSoup-Framework. One neighborhood was removed for being irrelevant. Unfortunately the neighborhoods Thalkirchen, Obersendling, Forstenried, Fürstenried and Solln were grouped into one borough at citypopulation.de. This grouping had to be undone manually. The population data for these neighborhoods were researched at Wikipedia as good as possible.



Ramersdorf - Perlach	**Stadtbezirk**	**99.995**	**101.820**	**104.737**	**113.898**
Altperlach	Stadtbezirksteil	10.175	10.280	10.728	11.876
Balanstraße-West	Stadtbezirksteil	11.538	12.092	12.680	14.645
Neuperlach	Stadtbezirksteil	48.411	47.506	47.836	49.807
Ramersdorf	Stadtbezirksteil	21.795	22.472	23.307	26.424
Waldperlach	Stadtbezirksteil	8.076	9.470	10.186	11.146
Schwabing - Freimann	**Stadtbezirk**	**57.653**	**59.766**	**65.158**	**77.188**
Alte Heide - Hirschau	Stadtbezirksteil	12.454	13.838	15.831	19.523
Biederstein	Stadtbezirksteil	1.722	1.719	1.958	2.071
Freimann	Stadtbezirksteil	16.268	16.191	16.794	20.184
Kleinhesselohe	Stadtbezirksteil	96	86	82	186
Münchener Freiheit	Stadtbezirksteil	14.103	14.596	15.754	16.779
Neufreimann	Stadtbezirksteil	1.264	1.273	1.459	2.794
Obere Isarau	Stadtbezirksteil	4.838	4.903	5.391	7.206
Schwabing-Ost	Stadtbezirksteil	6.908	7.161	7.889	8.445
Schwabing-West	**Stadtbezirk**	**53.789**	**56.033**	**62.856**	**69.407**
Am Luitpoldpark	Stadtbezirksteil	25.652	26.125	28.164	30.860
Neuschwabing	Stadtbezirksteil	25.459	25.808	28.209	30.224
Schwere-Reiter-Straße	Stadtbezirksteil	2.678	4.100	6.483	8.323
Schwanthalerhöhe	**Stadtbezirk**	**24.883**	**25.507**	**28.004**	**30.282**
Schwanthalerhöhe	Stadtbezirksteil	8.001	8.758	10.290	10.915
Westend	Stadtbezirksteil	16.882	16.749	17.714	19.367
Sendling	**Stadtbezirk**	**34.462**	**35.966**	**38.567**	**41.230**
Sendlinger Feld	Stadtbezirksteil	22.720	23.417	25.235	26.467
Untersendling	Stadtbezirksteil	11.742	12.549	13.332	14.763
Sendling - Westpark	**Stadtbezirk**	**48.388**	**49.472**	**52.495**	**59.174**
Am Waldfriedhof	Stadtbezirksteil	13.380	13.682	14.652	16.235
Land in Sonne	Stadtbezirksteil	6.562	6.436	6.582	8.092
Mittersendling	Stadtbezirksteil	28.446	29.354	31.261	34.847
Thalkirchen - Obersendling - Forstenried - Fürstenried - Solln	**Stadtbezirk**	**76.762**	**79.147**	**83.584**	**96.200**
Trudering - Riem	Stadtbezirk	43.003	50.990	62.756	71.448
Gartenstadt Trudering	Stadtbezirksteil	10.302	10.760	13.859	15.315
Messestadt Riem	Stadtbezirksteil	2.577	6.446	12.218	15.867
Trudering - Riem	Stadtbezirksteil	8.733	10.304	11.584	13.063
Waldtrudering	Stadtbezirksteil	21.391	23.480	25.095	27.203
Untergiesing - Harlaching	**Stadtbezirk**	**46.153**	**46.857**	**49.502**	**54.050**
Giesing	Stadtbezirksteil	12.498	12.802	13.413	14.303
Harlaching	Stadtbezirksteil	12.014	12.014	12.605	14.181
Neuharlaching	Stadtbezirksteil	5.356	5.595	5.896	6.254
Siebenbrunn	Stadtbezirksteil	5.194	5.325	5.655	6.563
Untergiesing	Stadtbezirksteil	11.091	11.121	11.933	12.749
München	**Stadt**	**1.247.850**	**1.288.307**	**1.382.273**	**1.542.860**



3. Population density of munich neighborhoods (Südbayerische Immobilien)



4. Munich restaurants (Foursquare.com). The results was prepared in different ways, e.g. most common restaurants per neighborhood.

Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
Alt Moosach	12	12	12	12	12	12
Altbogenhausen	8	8	8	8	8	8
Alte Heide - Hirschau	4	4	4	4	4	4
Alte Kaserne	13	13	13	13	13	13
Altperlach	3	3	3	3	3	3
Am Hart	5	5	5	5	5	5
Am Luitpoldpark	7	7	7	7	7	7
Am Riesenfeld	9	9	9	9	9	9
Am Schlachthof	58	58	58	58	58	58
Am Waldfriedhof	4	4	4	4	4	4
Am Westbad	4	4	4	4	4	4
Am alten nördlichen Friedhof	60	60	60	60	60	60
Am alten südlichen Friedhof	45	45	45	45	45	45
Angerviertel	100	100	100	100	100	100
Aubing-Süd	5	5	5	5	5	5
Augustenstraße	80	80	80	80	80	80
Balanstraße-West	6	6	6	6	6	6

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----Alte Heide - Hirschau----
                        venue  freq
0                       Café  0.50
1         Turkish Restaurant  0.25
2                     Bakery  0.25
3          Afghan Restaurant  0.00
4  Middle Eastern Restaurant  0.00


----Alte Kaserne----
                 venue  freq
0               Bakery  0.15
1   Italian Restaurant  0.08
2                Café  0.08
3  Fried Chicken Joint  0.08
4     Doner Restaurant  0.08
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