

# Determine Location of Twitter User based on Timeline

Only 5% of Twitter profiles allow access to their geo-location. The profiles containing this information are often commercial accounts, e.g. “Onlineapotheke Berlin” (online pharmacy Berlin). Thus, a usual Machine Learning approach based on geo-tagged data will probably not make accurate predictions when evaluated on non-commercial Twitter accounts.

The aim of this work is to develop a heuristic/model which assigns Twitter accounts given their timeline (at most 3200 Tweets) to a certain area, e.g. a point on a map with radius of 15miles or a city + some fault tolerance. The dataset for this work contains a set of German Tweets. This reduces the possible location of a user to several central european countries.

Native language skills are not mandatory, but useful. However, non-German students with very good German language skills can also apply.