Real-time Twitter mapping

GRS\_33806 Project proposal

Team Hadochi

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27th of January, 2017

**Goal**: To create a (if possible web-)map that visualizes real-time

tweets with coinciding #'s per region on the globe.

**Repository**: <https://github.com/michielvoermans/Real-time-Twitter-Mapping.git>

**Description**: During the last assignment of the course we encountered that trying to work with real-life streaming data can be challenging. We succeeded in storing Twitter data into a PostGIS database. However we would like to be able to visualize the data from the database too, instead of via intermediately creating a file e.g. .csv or .txt that "strips" the real-life streaming element. Therefore we would like to be challenged to do so, first locally in QGIS and if things are advancing well later publish the tweets on a web-app (e.g. cartoDB). We hope to create a good example for this, which happens to be lacking**1**. With that we hope to contribute to the online world of geo-scripting.

For data storing we use PostGIS. Thereafter we read the data via a WMS on GeoServer, so to be able to visualize it. We are going to write our scripts in Python. If ever we have surplus time at the end of our project, we’ll do an attempt to do so in R too, which has been attempted before**2**. Through the scripting we aim at a map that shows coinciding #’s in tweets in regions around the world.

1: <http://docs.geoserver.org/latest/en/user/rest/examples/python.html>

2: <http://stackoverflow.com/questions/32960050/loading-wms-layer-in-r-leaflet-using-addwmstiles>