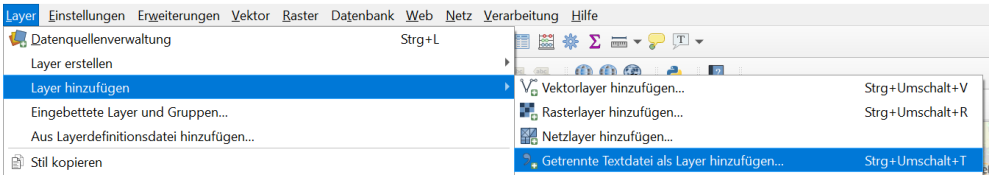
Instructions for Exercise 2 – Basics Spatial Analysis

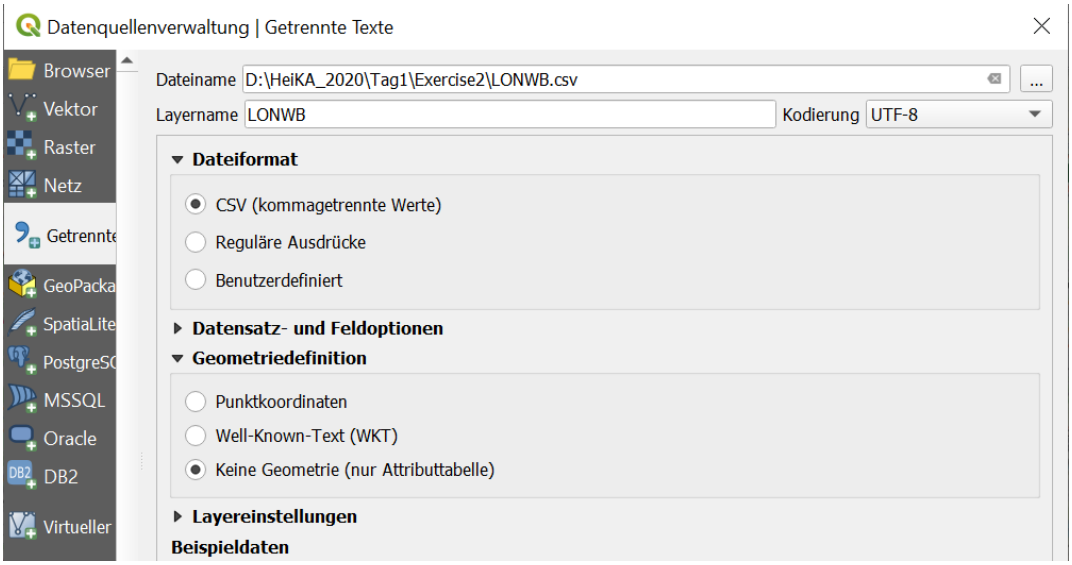
1. Load the project and data

Load the project *Exercise_2*

Load the shapefile *London_Ward.shp*

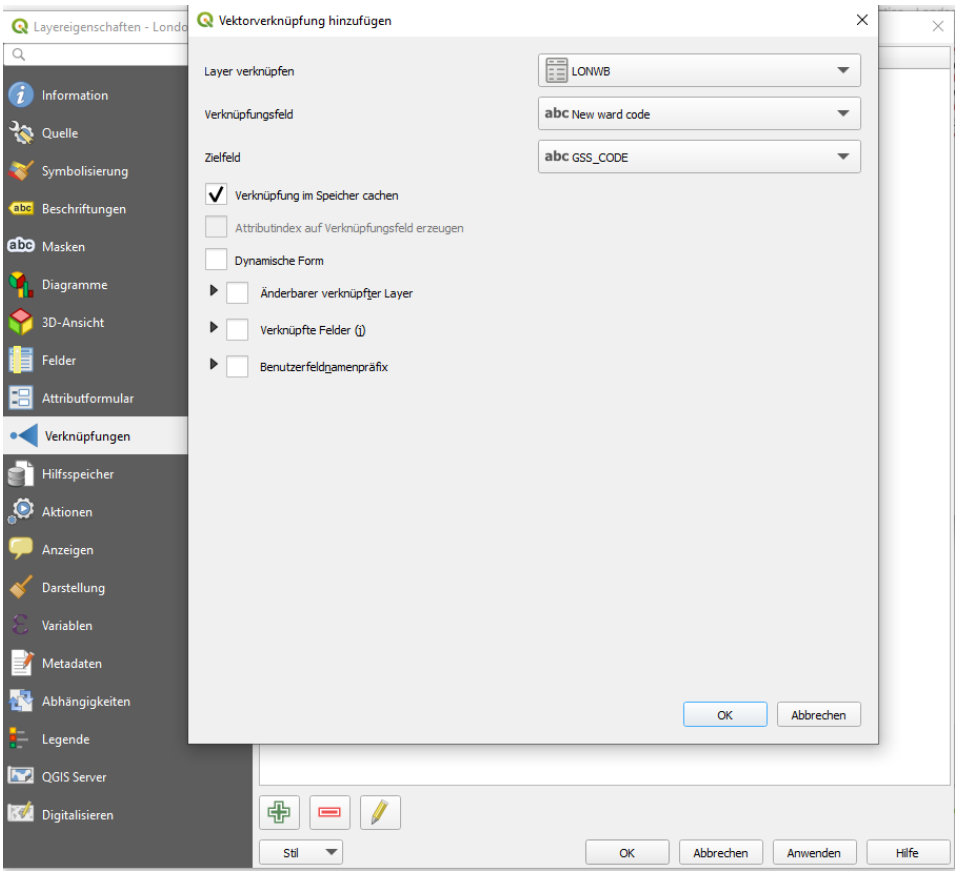
Load the table *LONWB.csv*



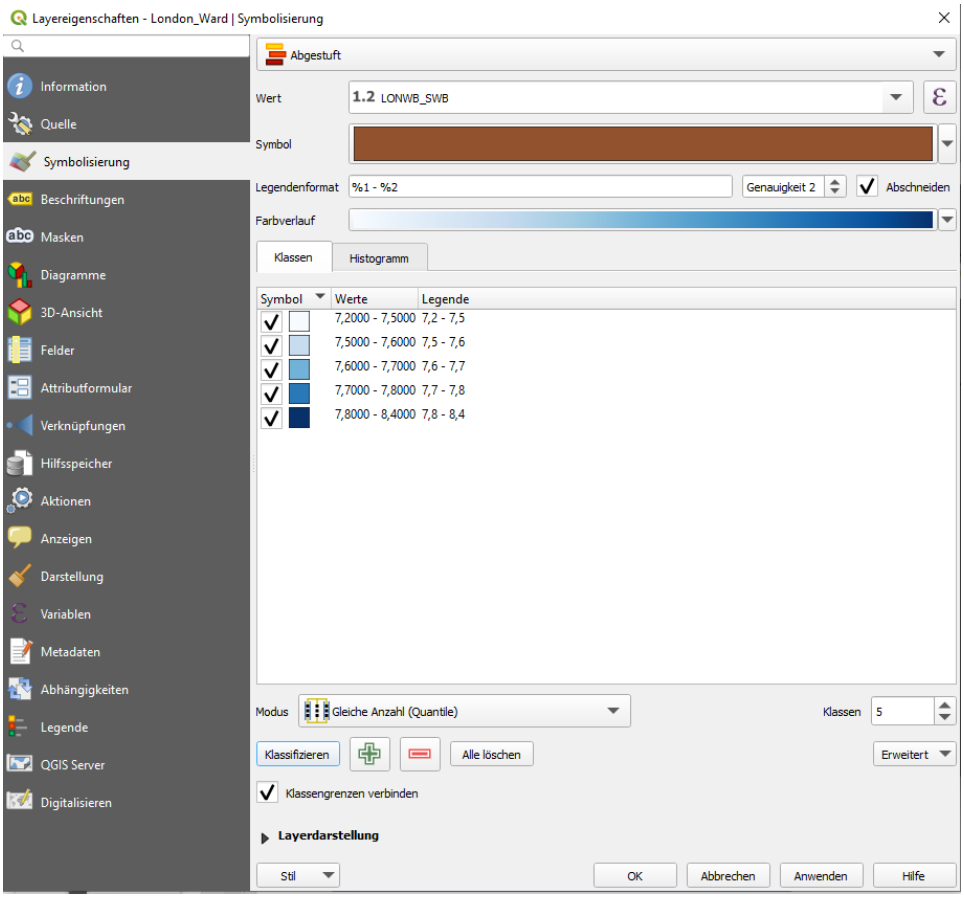


2. Perform table join

Merge table *LONWB.csv* with *London_Ward.shp*



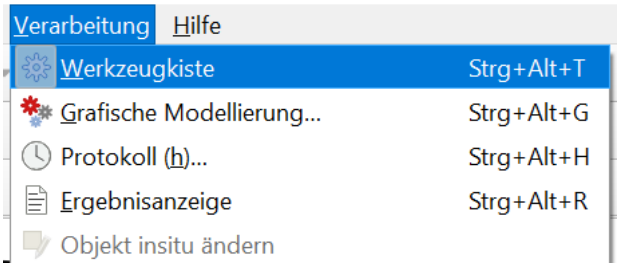
3. Create choropleth from the wards for variable LONWB_SWB

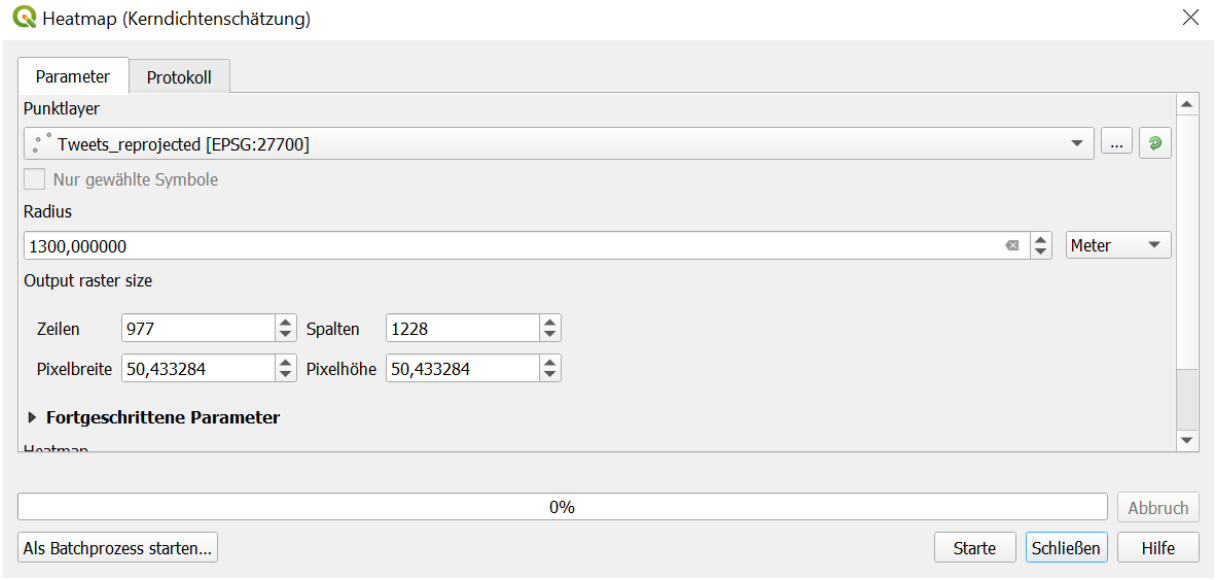


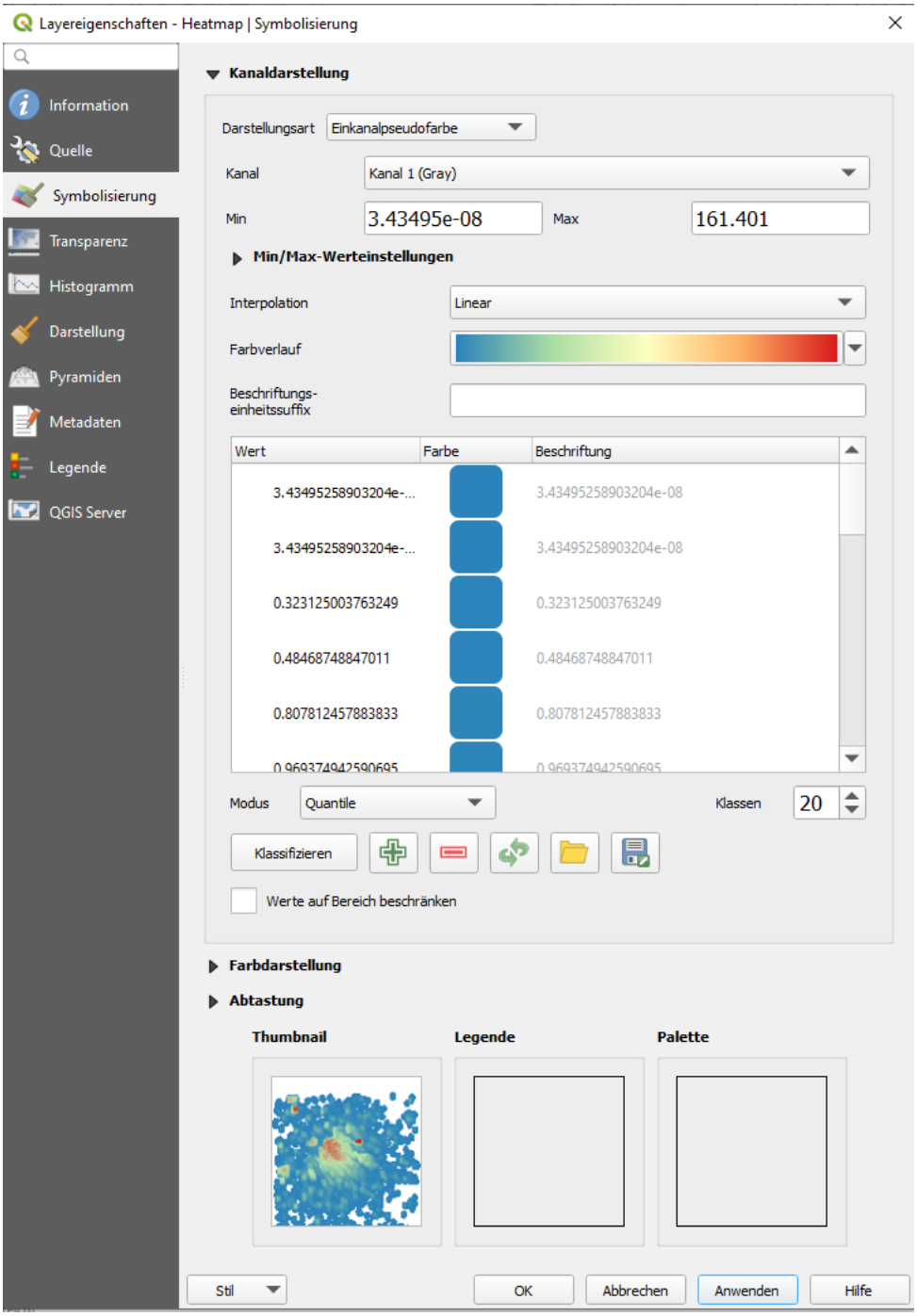
Questions:
- Does well-being spatially correlate with the other variables?
- How is well-being correlated across the wards?

4. Create a heatmap from the tweets

Reproject tweets to CRS OSGB 1936 (EPSG:27700)



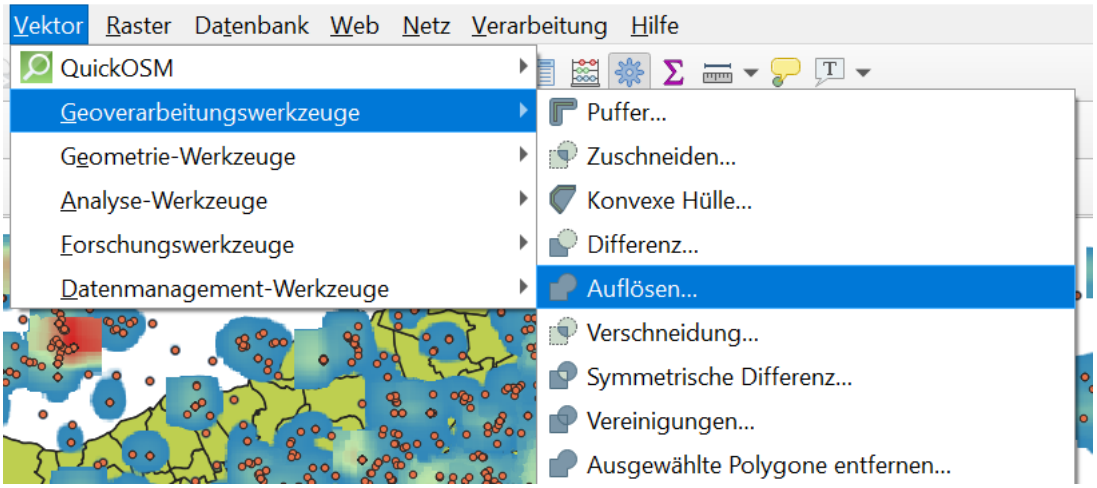




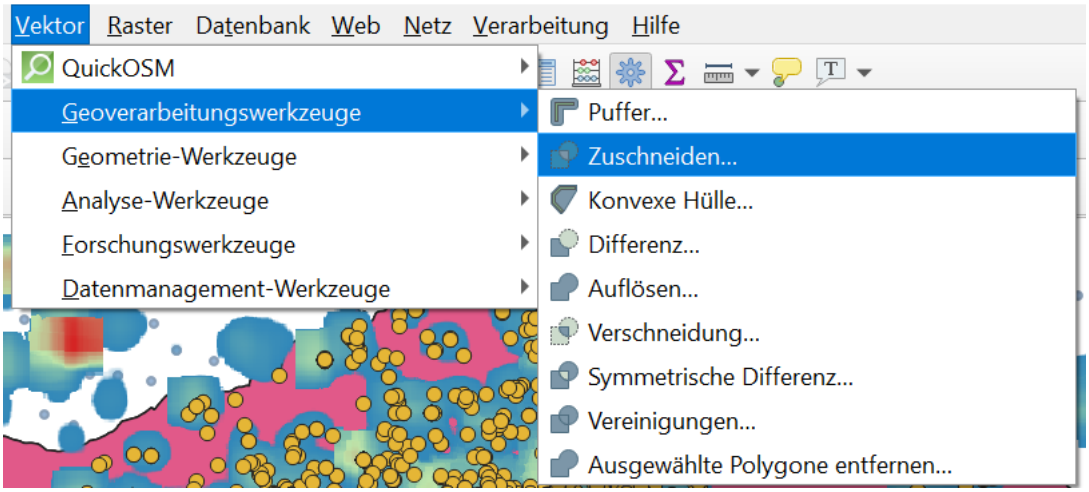
5. Dissolve

Reproject London_Ward.shp to CRS OSGB 1936 (EPSG:27700)

Call it maybe London_Ward_CityMerged.shp. Import it to the project. Dissolve it.



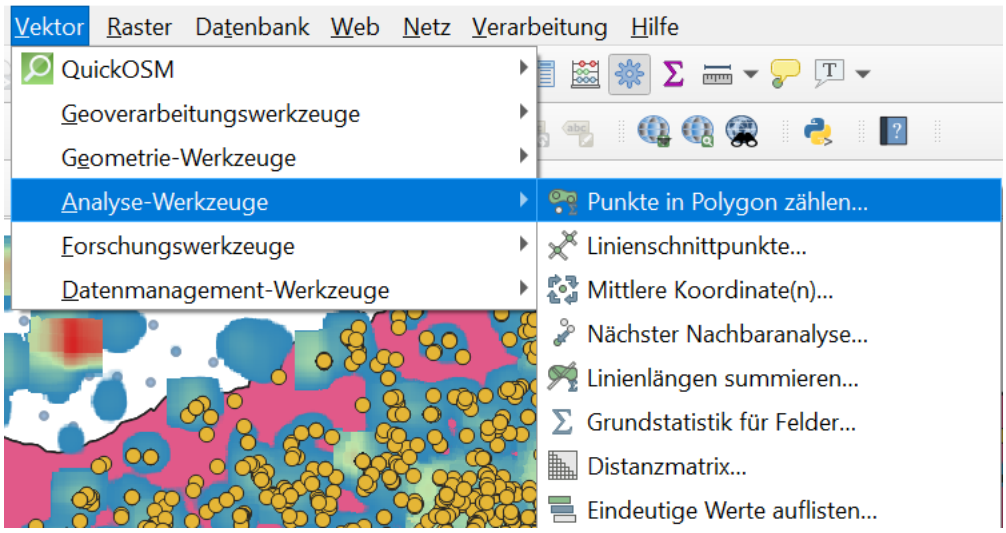
Clip *Tweets_reprojected.shp* (EPSG:27700) with it.



6. Count the number of points in each ward

Count the number of *Tweets_reprojected.shp* (EPSG:27700) in each ward

Count the number of historic venues and restaurants in each ward.


Vektor
Raster
Datenbank
Web
Netz
Verarbeitung
Hilfe
QuickOSM
Geoverarbeitungswerkzeuge
Geometrie-Werkzeuge
Analyse-Werkzeuge
Forschungswerkzeuge
Datenmanagement-Werkzeuge
Punkte in Polygon zählen...
Linienschnittpunkte...
Mittlere Koordinate(n)...
Nächster Nachbaranalyse...
Linienlängen summieren...
Grundstatistik für Felder...
Distanzmatrix...
Eindeutige Werte auflisten...