

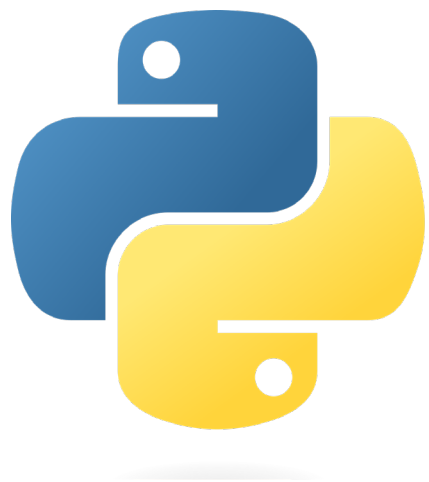
# Zehui Yin

## Contact

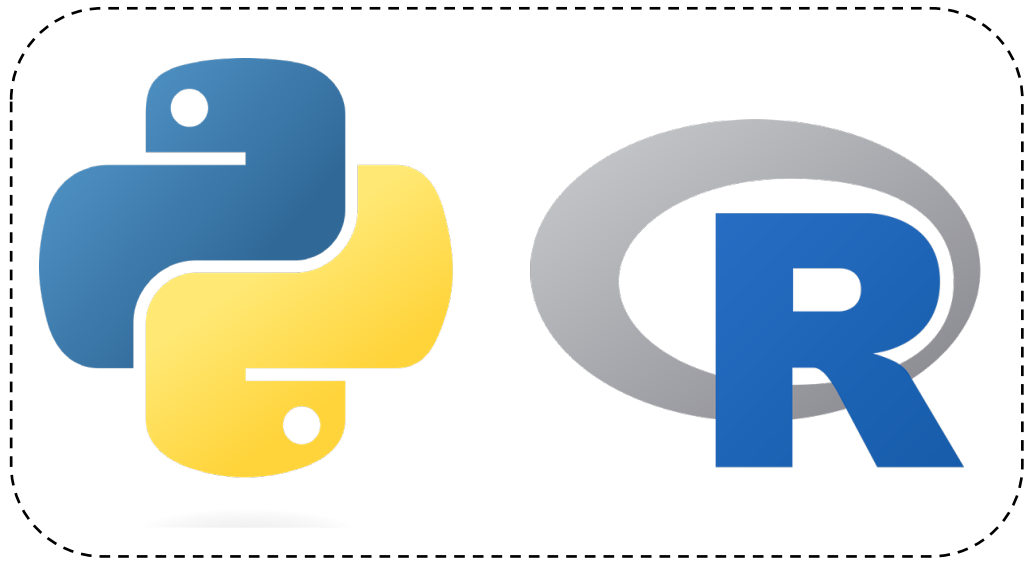
- Email: [zehui.yin@mail.utoronto.ca](mailto:zehui.yin@mail.utoronto.ca)
  - Please use your UofT email address and put GGRA30 in subject line
  - Please include your name and student number in email body
  - I will try to reply within 24 hours (please expect longer delay during weekends)

## Office hour

- Tuesday from 11 am to noon
  - Please find zoom link and password on Quercus
  - There will be a waiting room



Mainstream GIS Software



Open source programming languages with packages or libraries can handle spatial objects and conduct GIS analyses.

**Python:**

GDAL

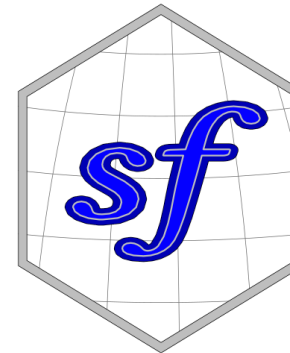


Geopandas



**R:**

sf



Terra





Specialized GIS Software with graphical interfaces can handle spatial objects and conduct GIS analyses



Esri commercial GIS products:  
Utilized in Course:

ArcGIS Pro  
GGRB30, GGRC30, GGRC32

ArcMap  
GGRB32



QGIS is a free and open-source cross-platform desktop geographic information system (GIS) application that supports viewing, editing, printing, and analysis of geospatial data.