GEOG 432/832: Programming, Scripting, and Automation for GIS

Unit 12.02: Investigating spatial autocorrelation

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Today's schedule

- Open discussion
- Update presentations
- Slides, discussion, and exercises
- For next class

Open discussion

Building spatial weights matrices

Today's prep:

```
%matplotlib inline
import seaborn as sns
import pandas as pd
from libpysal import weights
from libpysal.io import open as psopen
import geopandas as gpd
import numpy as np
import matplotlib.pyplot as plt
# new ones below
import esda
from splot.esda import moran scatterplot, lisa cluster, plot local autocorrelation
```

Verify all packages are in your environment

...and that you're in the correct environment

Today is a (nother) guided exercise

calculating spatial autocorrelation

For next class

- Lab 7 due next week
- Remaining update presentations on Friday
- Readings are linked/posted on Canvas...