

## GE5230 - Week 4 - Lab Session

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date: 2025-02-03

lecturer: Benny

### Assignment

Use data files: clmfires.csv humberside.csv lansing.csv cholera.csv

Follow the instruction in the notebook and fill-in all the blank (0.5 mark each) below. Save as pdf.

| Dataset    | Method     | Finding  |
|------------|------------|--|
| clmfires   | Quadrat    | P-value <0.05, indicating not CSR, could be a clusered pattern |
| clmfires   | NNA        |  |
| clmfires   | K-function |  |
| lansing    | Quadrat    |  |
| lansing    | NNA        | observed value > 95% CI, indicating a dispersed pattern        |
| lansing    | K-function |  |
| humberside | Quadrat    |  |

| Dataset    | Method     | Finding   |
|------------|------------|---|
| humberside | NNA        |   |
| humberside | K-function | observed curve higher than simulation, indicating clustered pattern |
| cholera    | Quadrat    |   |
| cholera    | NNA        |   |
| cholera    | K-function |   |