

# Data Visualization Project

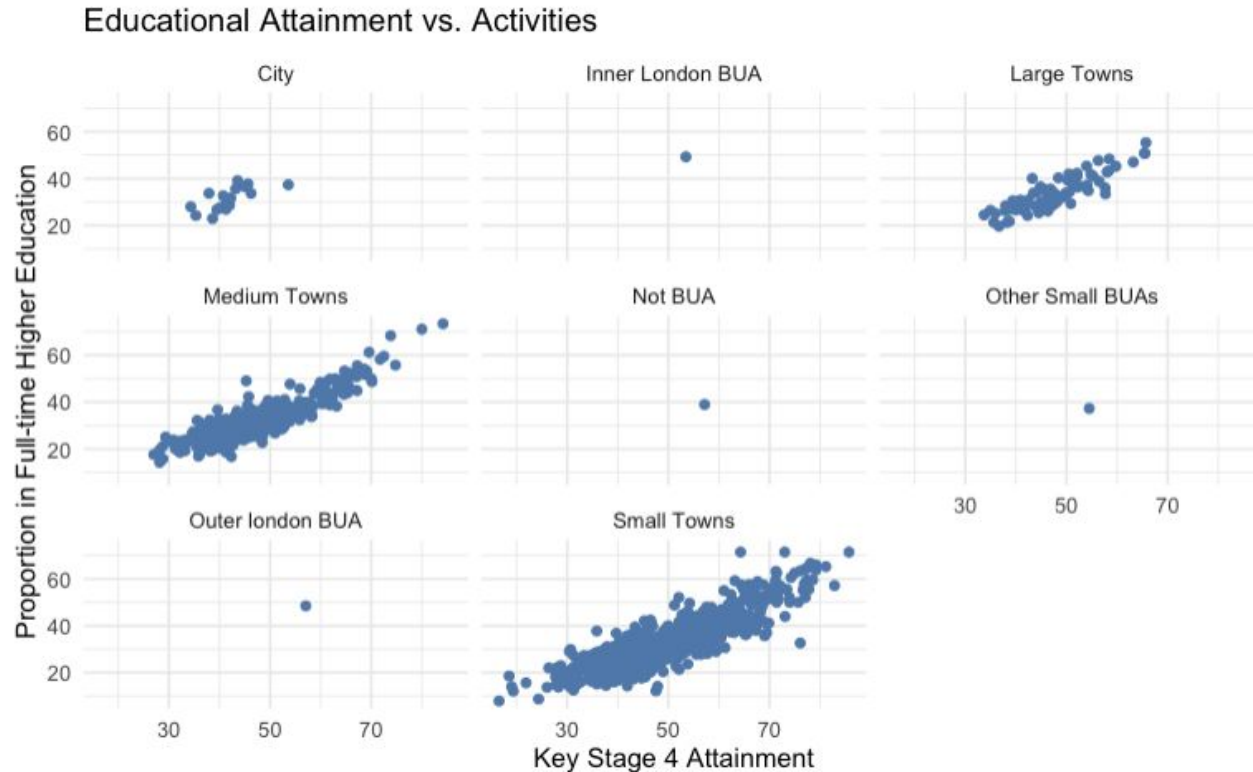
Member: Dinh Van Thanh, Nguyen Tiet Nguyen Khoi, To Ba Son

# Introduction

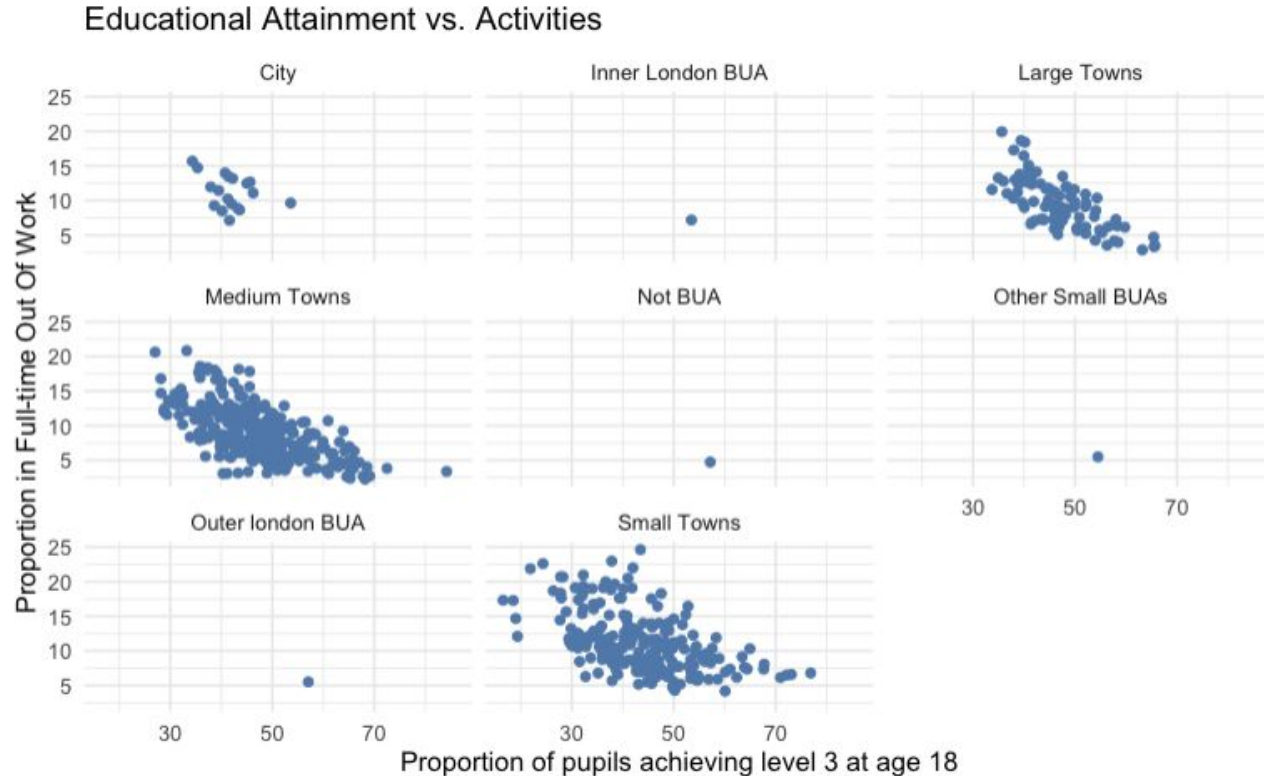
- **Question:** Why do children and young people in smaller towns tend to exhibit better academic performance compared to those in larger towns?
- **Dataset:** derived from the Longitudinal Education Outcomes (LEO) collected by the Department for Education (DfE)
- **Variables:** geography codes, population size, regional classifications, coastal status, travel-to-work area classifications, and indicators of income deprivation

**Question 1: How do the patterns of educational attainment among young people in English towns vary based on the types of activities they engage in at age 19, and what role do socio-economic factors play in shaping these patterns?**

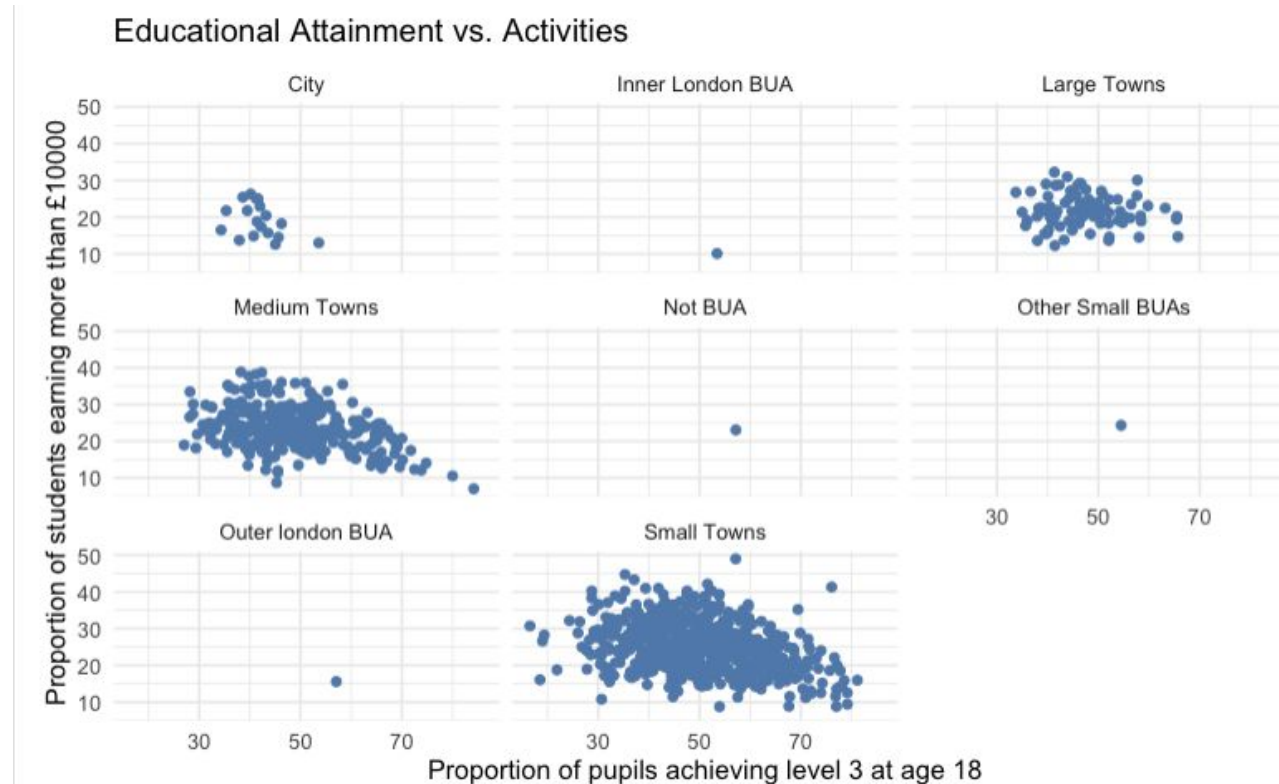
# Educational Attainment vs. Activities (1)



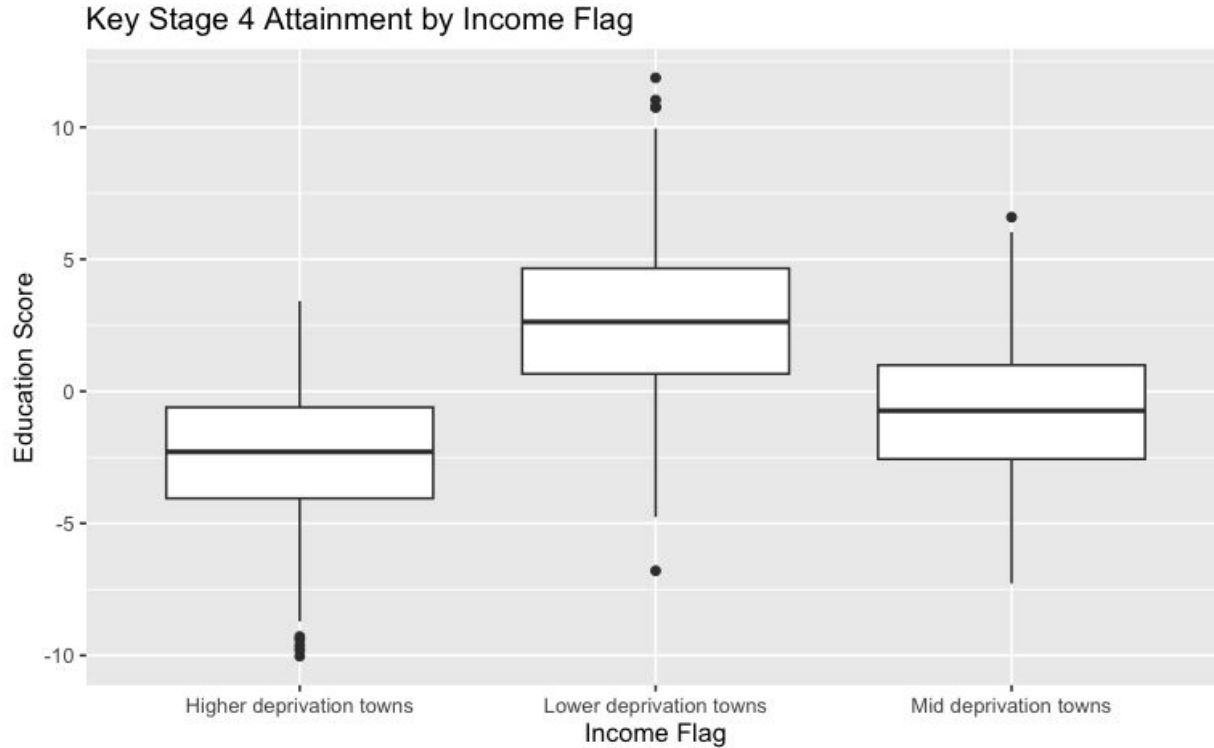
# Educational Attainment vs. Activities (2)



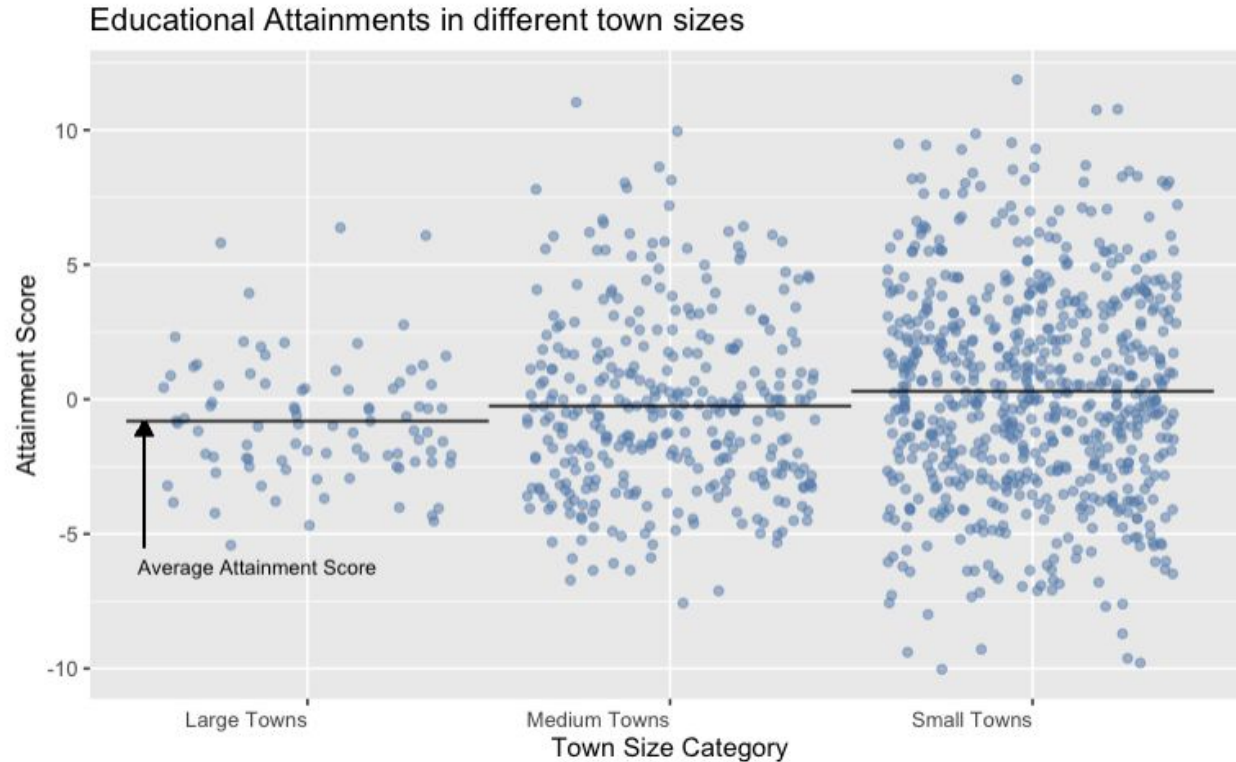
# Educational Attainment vs. Activities (3)



# Socio-economic factor (income flag)



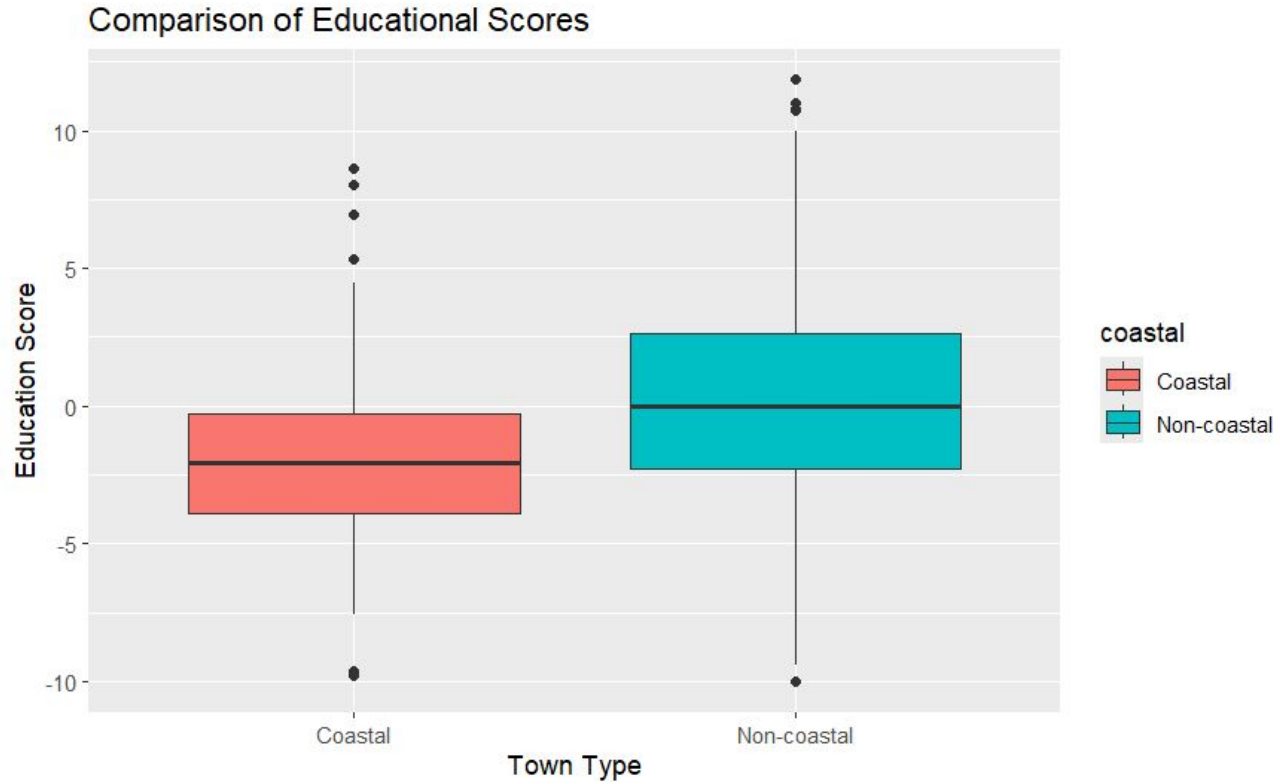
# Socio-economic factor (town sizes)



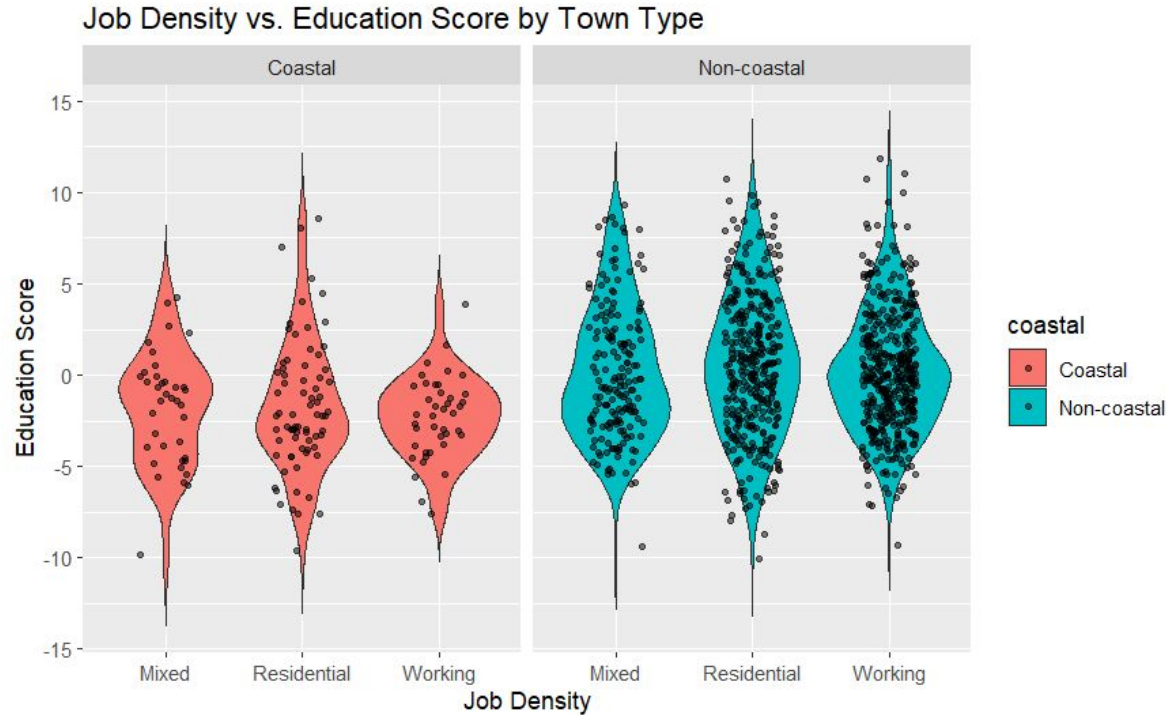


**Question 2: England is known as a country in which coastal towns are considered left behind in socio-economy compared to non-coastal towns. What are some potential underlying reasons for the observed differences in educational attainment among young people across coastal and non-coastal towns in England?**

# Coastal vs non-coastal



# Job Density vs Education Score by Town Type



# Conclusion

- Activities vs educational attainments.
- Socio-economic factors vs educational attainments.
- Coastal vs non-coastal.
- Job density vs educational attainments.

**THANK YOU!**  
**Question?**