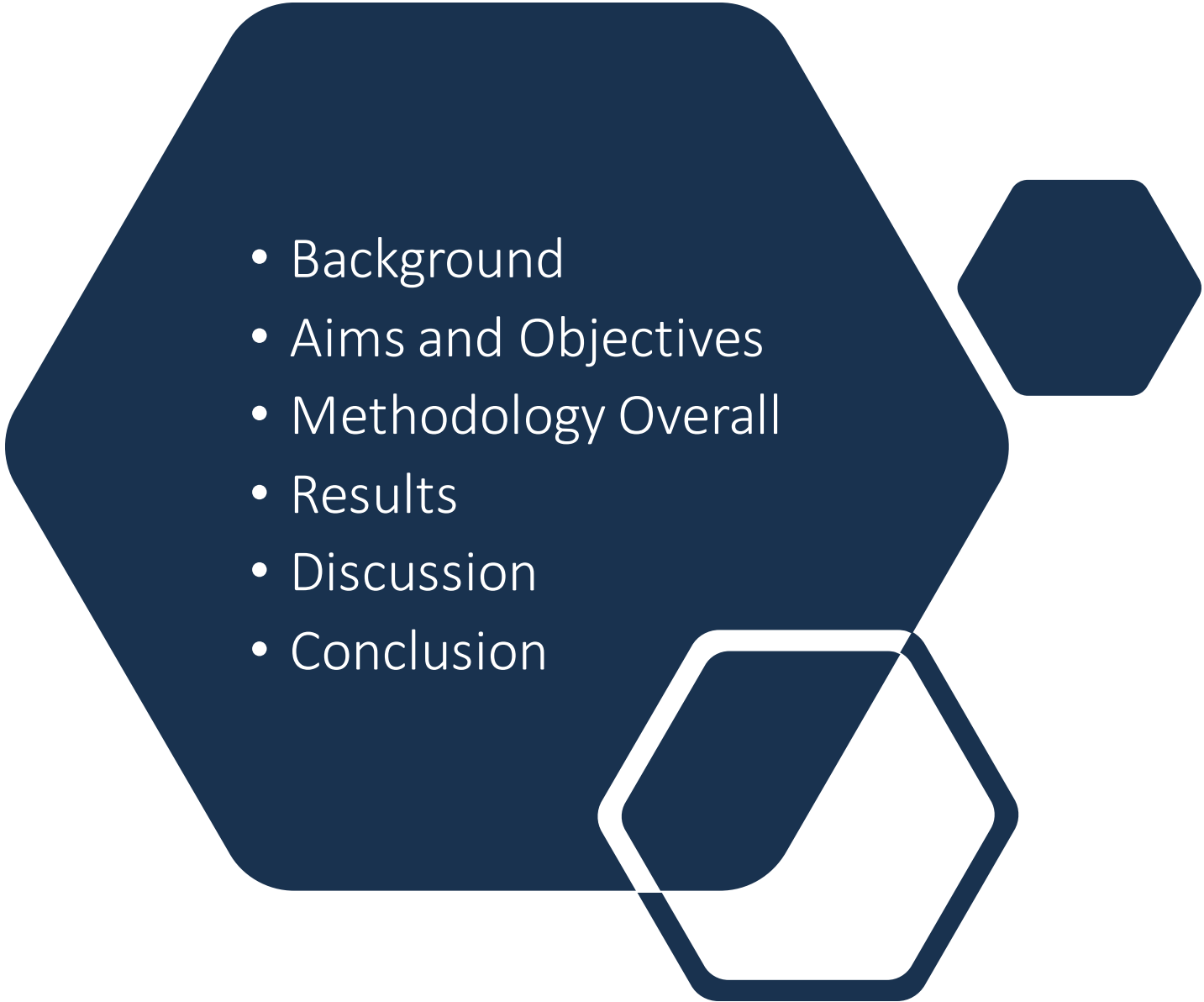


# Mapping the current and future Energy landscape for a wider Hampshire

Meghan Kingsley-Walsh




# Contents

- Background
  - Aims and Objectives
  - Methodology Overall
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- 
- The slide features a large dark blue hexagon with rounded corners on the right side, containing a white bulleted list. To its right is a smaller solid dark blue hexagon. Below the large hexagon is a white-outlined hexagon with rounded corners, partially overlapping the bottom edge of the large hexagon.

# Background

1,455  
Square miles

  
1.867 million  
pop



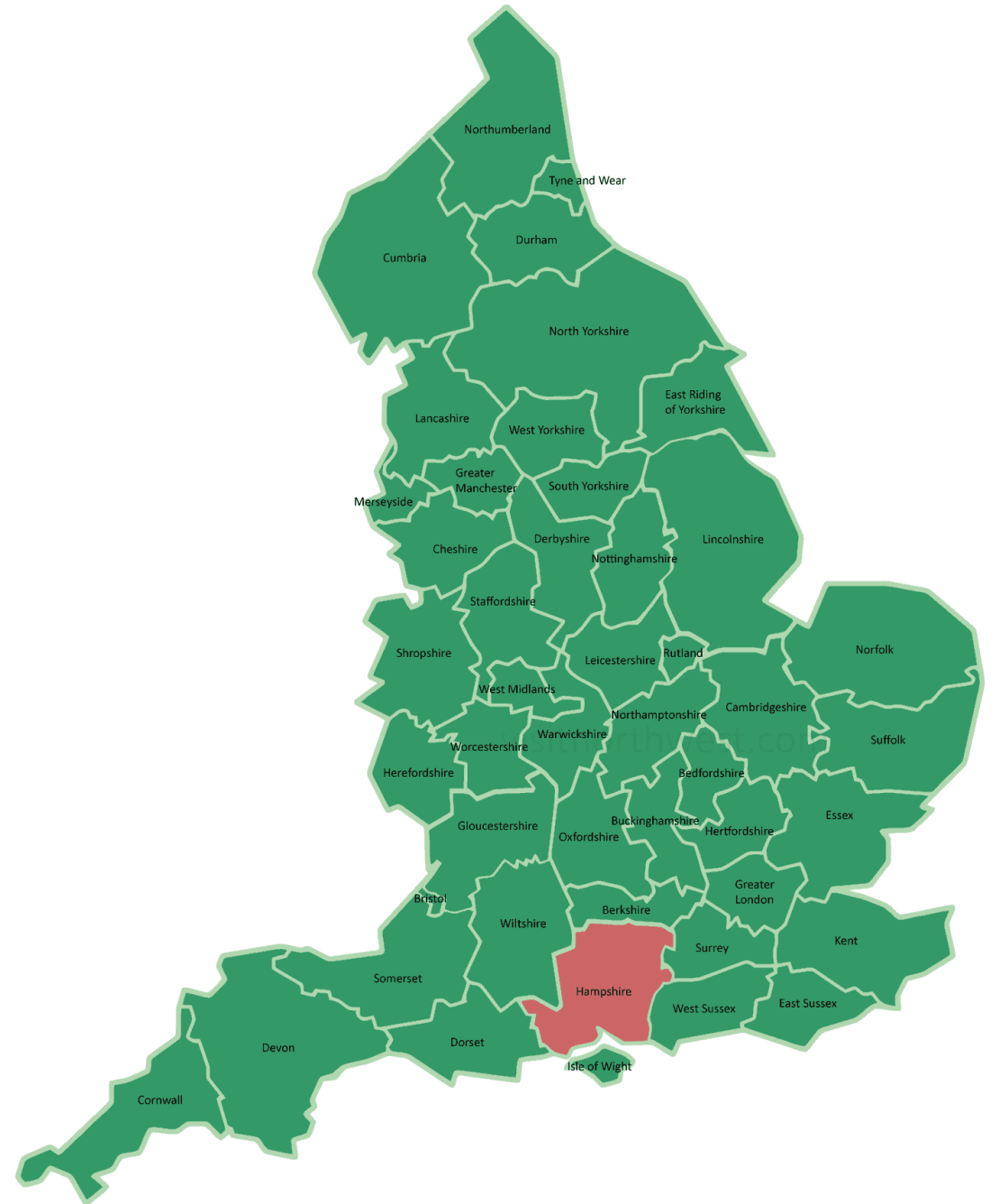
↑ 19.9% to  
21.45%



High survival  
rate



Hampshire  
County Council



Source: Visit North West

# Aim

Map the energy consumption for the wider Hampshire area and explore the extent to which local socio-economic trends affect energy usage and how this may shape the future energy usage of the wider Hampshire area.

# Objectives



## 1: Policy Review

- Current plans
- Comparisons



## 3: Expert Interviews

- 6 Participants
- Microsoft Teams
- Hampshire County Council Climate Change Consultative Forum



## 2: Literature Review

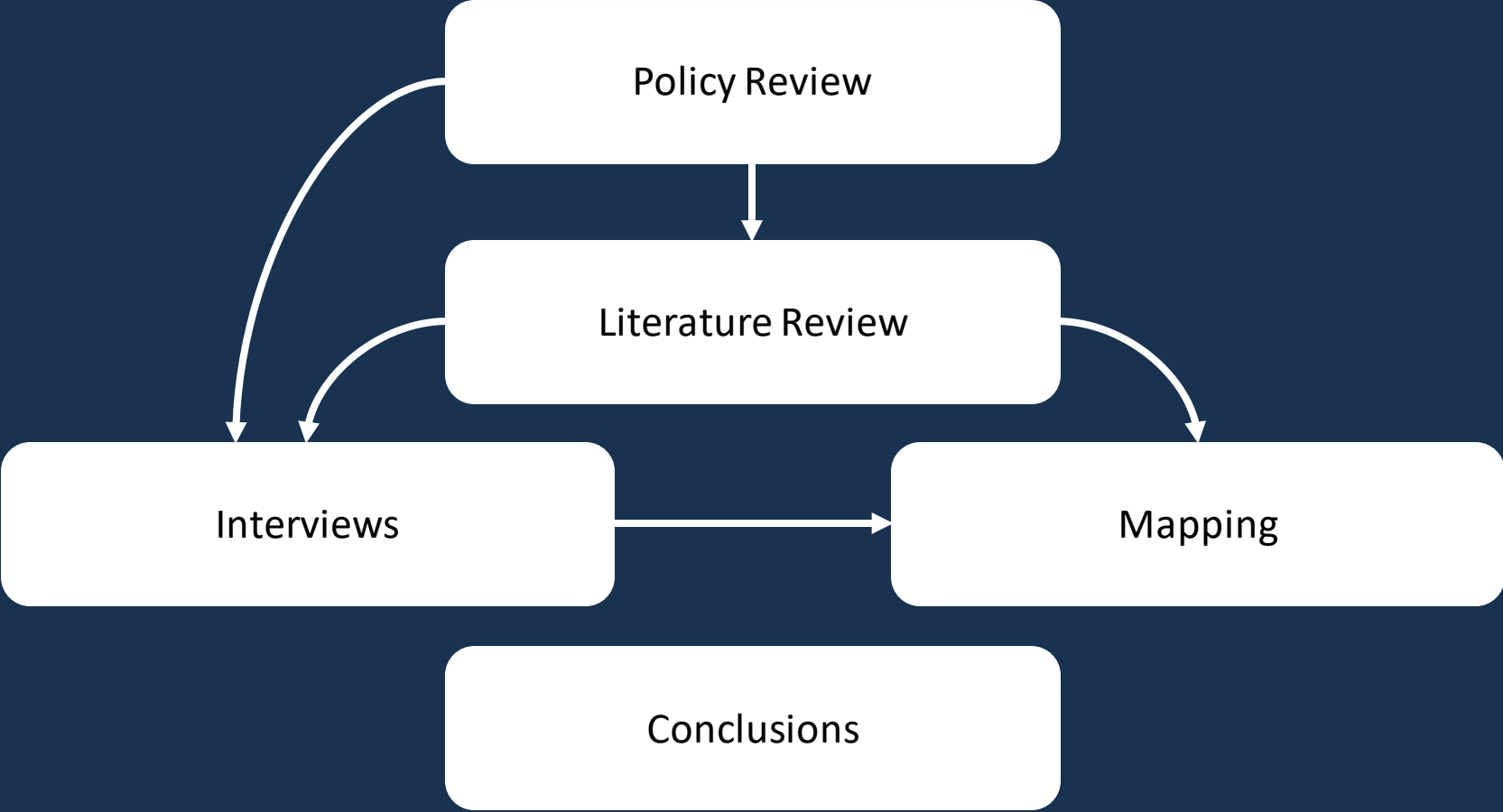
- Energy Efficiency
- Ageing Population
- Media Coverage
- Fuel Poverty



## 4: Mapping

- Consumption
- changes over time
- Fuel Poverty and Deprivation

# Methodology



# Some Results



Electricity



30% > 15%



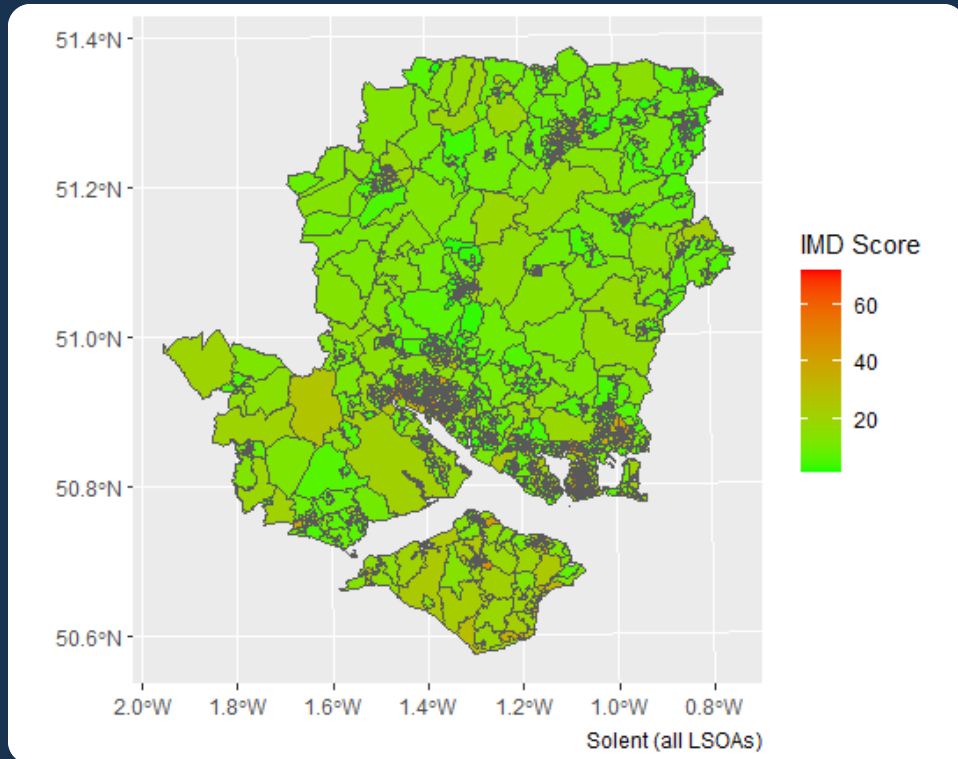
Fuel Poverty



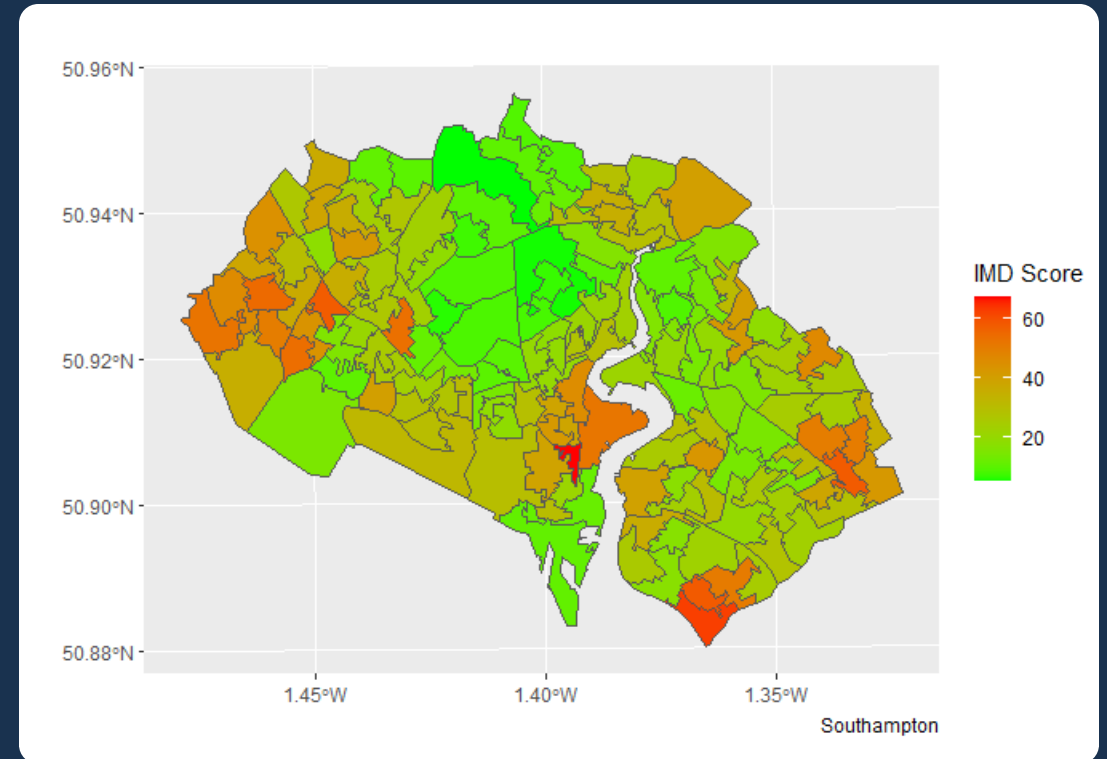
Gas



13% > 5%

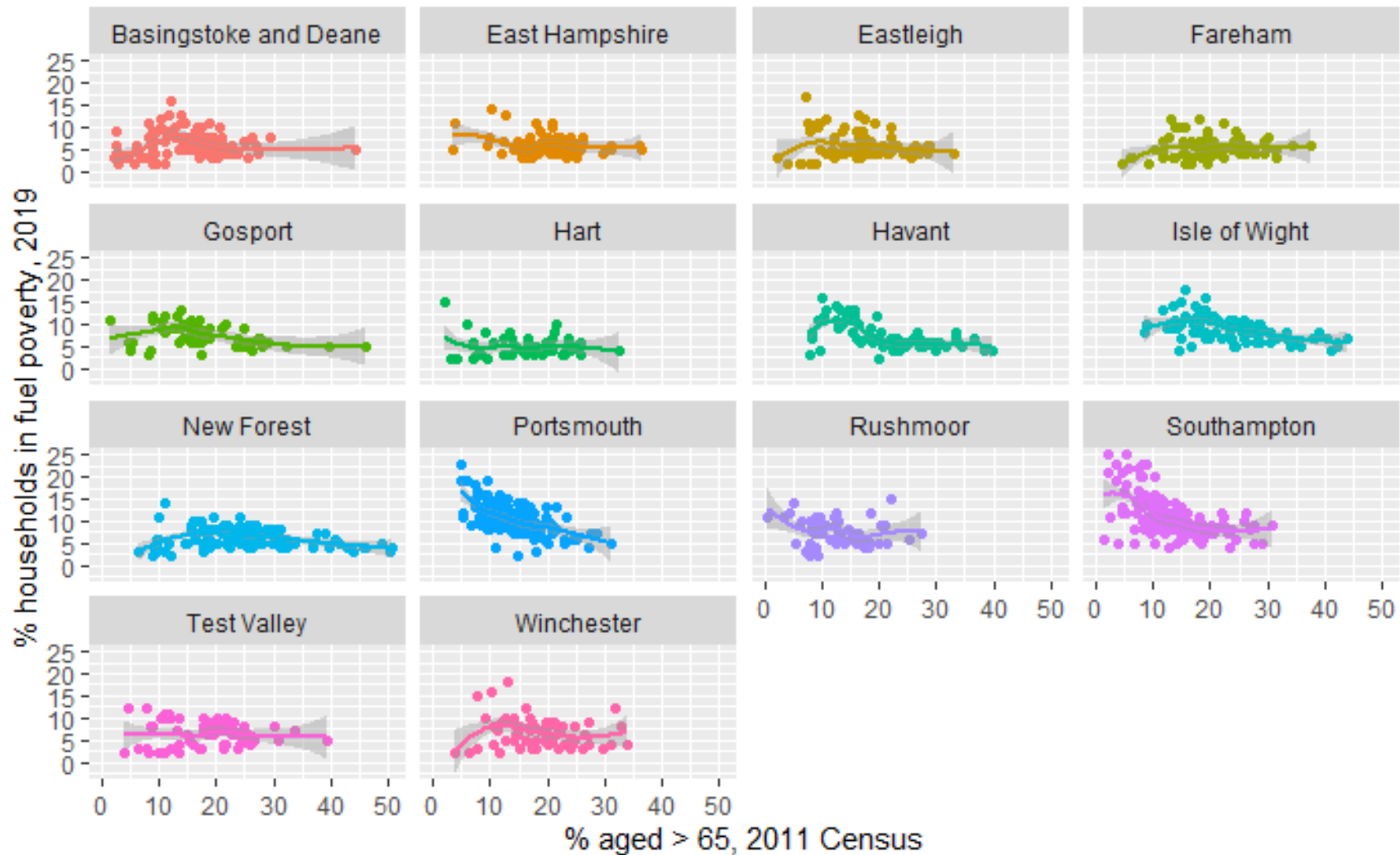


Map of the deprivation score



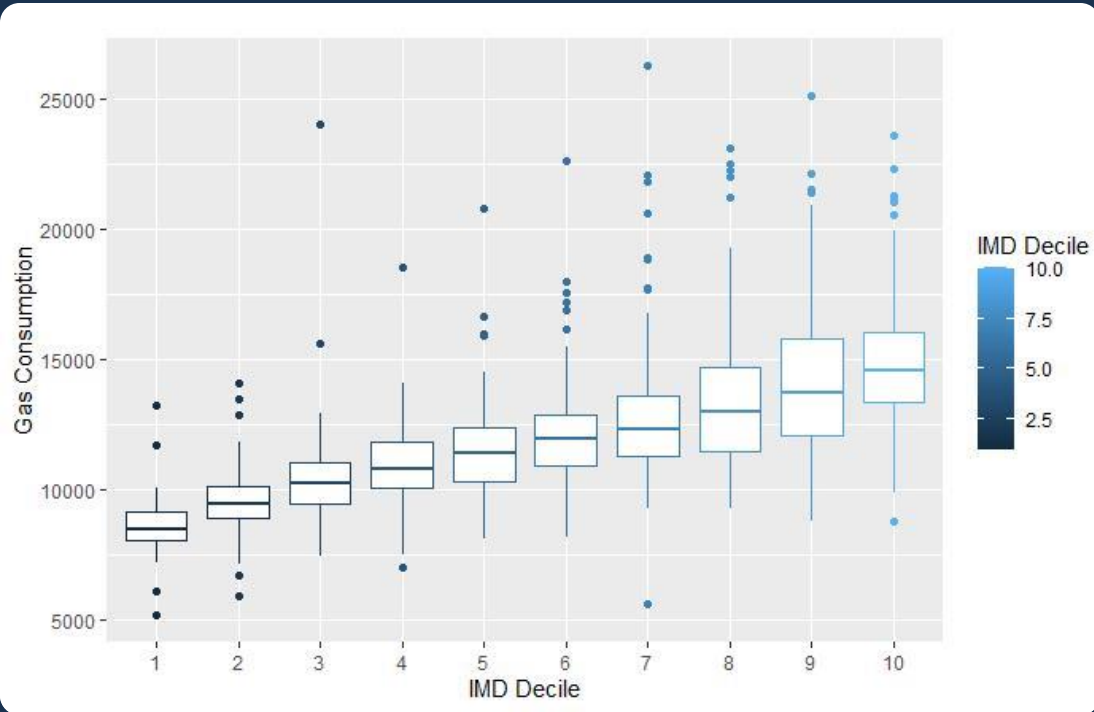
Map of the deprivation score Southampton

# Areas with high levels of over 65s do not have higher Fuel Poverty



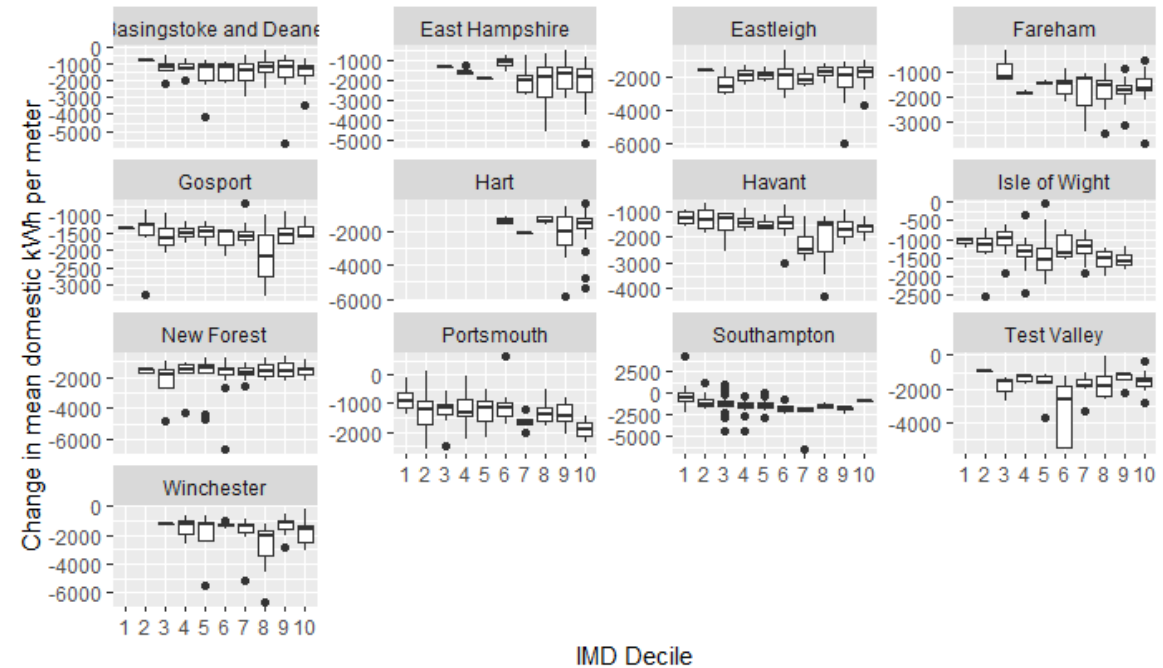
Relationship between the proportion of over 65s and the proportion of households living in fuel poverty

Gas consumption considerably higher in areas of lower deprivation



Relationship between Gas consumption and deprivation score (IMD decile 1: most deprived)

Mean kWh change in gas consumption generally larger in less deprived areas

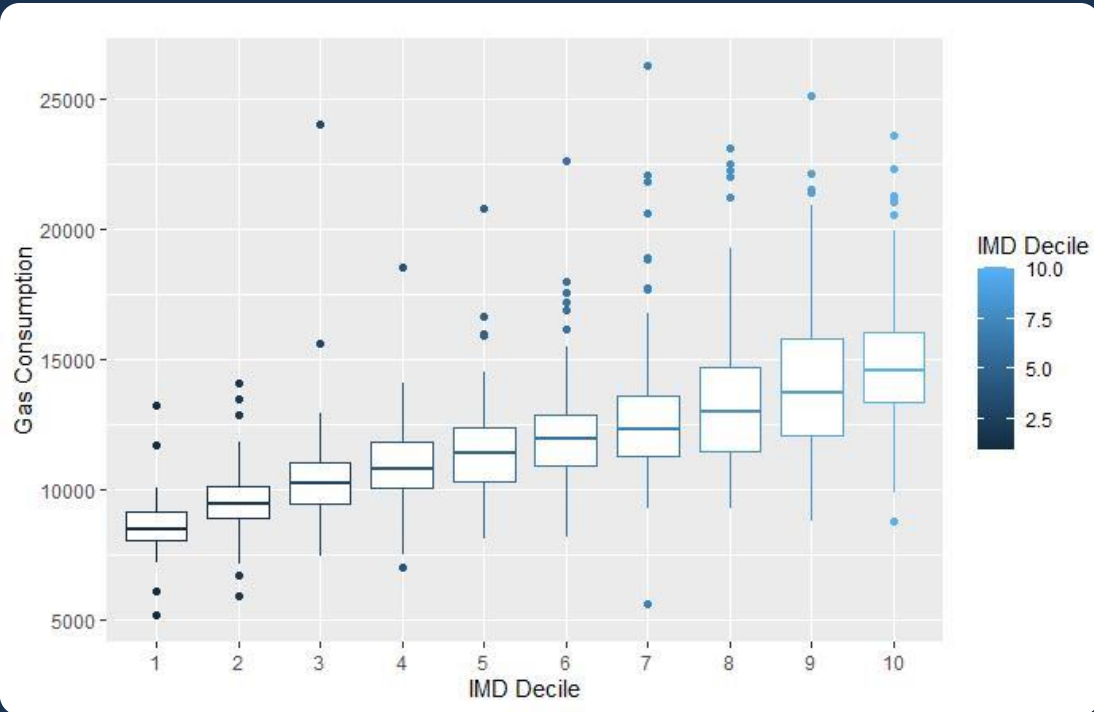


Gas 2010-2019, all Solent LSOAs

Relationship between change in Gas consumption and deprivation score

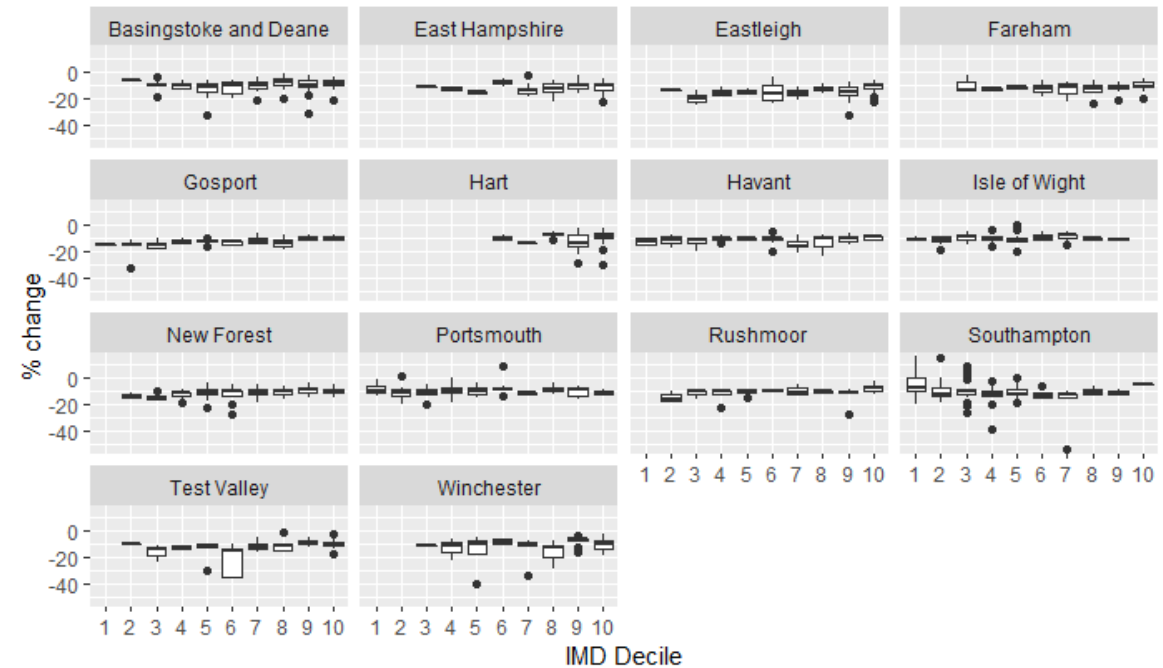


Gas consumption considerably higher in areas of lower deprivation



Relationship between Gas consumption and deprivation score (IMD decile 1: most deprived)

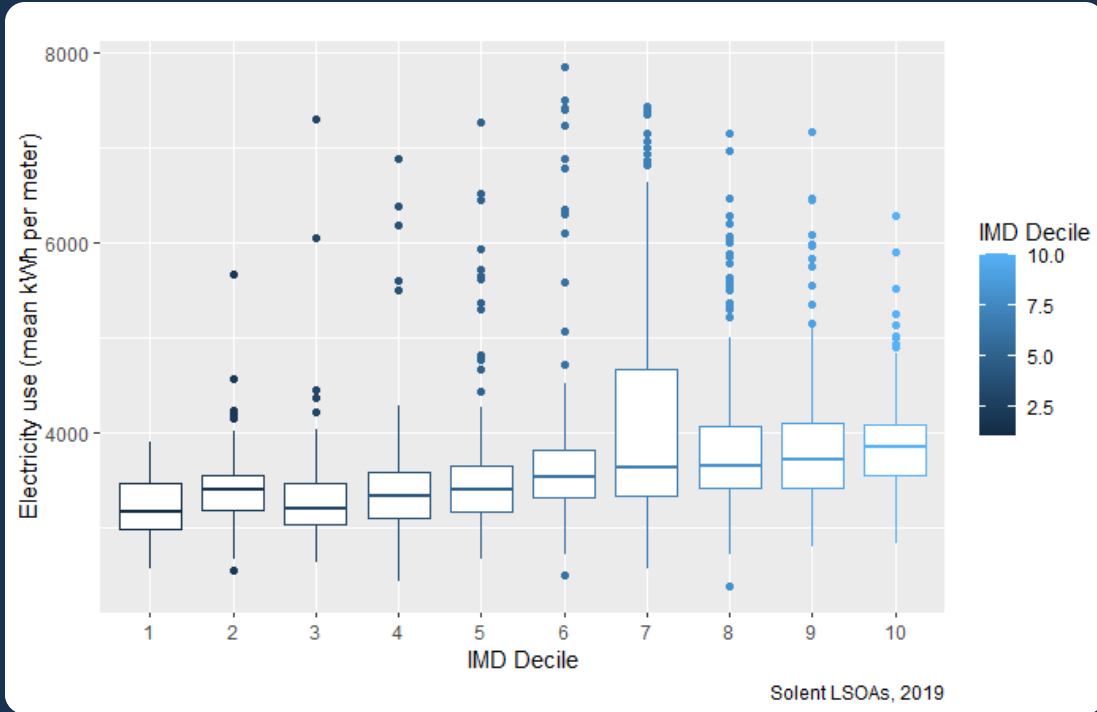
Percentage change in gas consumption consistent across deprivation levels



Mean gas kWh 2010-2019, all Solent LSOAs

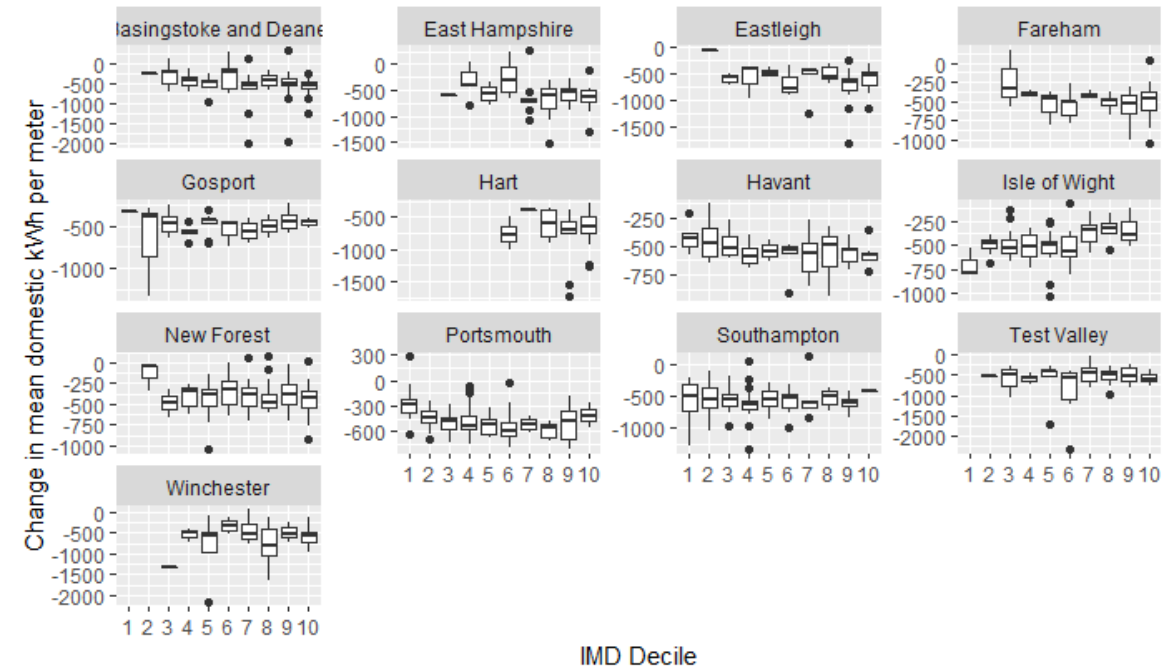
Relationship between percentage change in Gas consumption and deprivation score

Electricity consumption slightly higher in lower deprivation areas



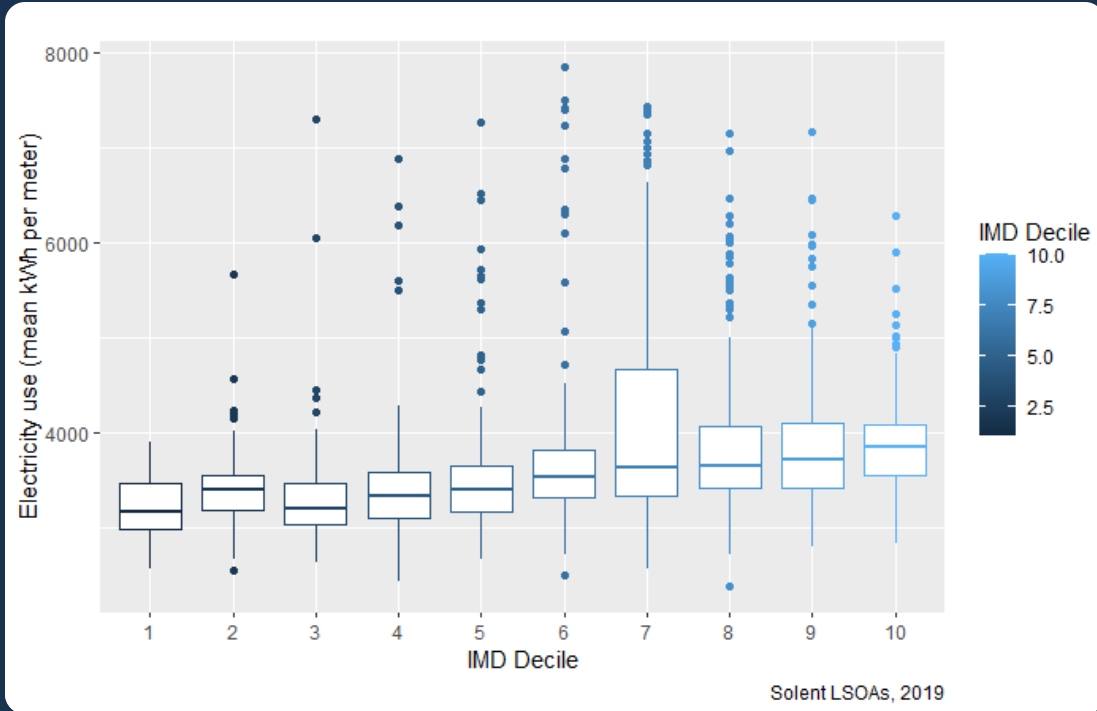
Relationship between Electricity consumption and deprivation score (IMD decile 1: most deprived)

Mean kWh change in Electricity consumption generally larger in less deprived areas (but not in all LAs)



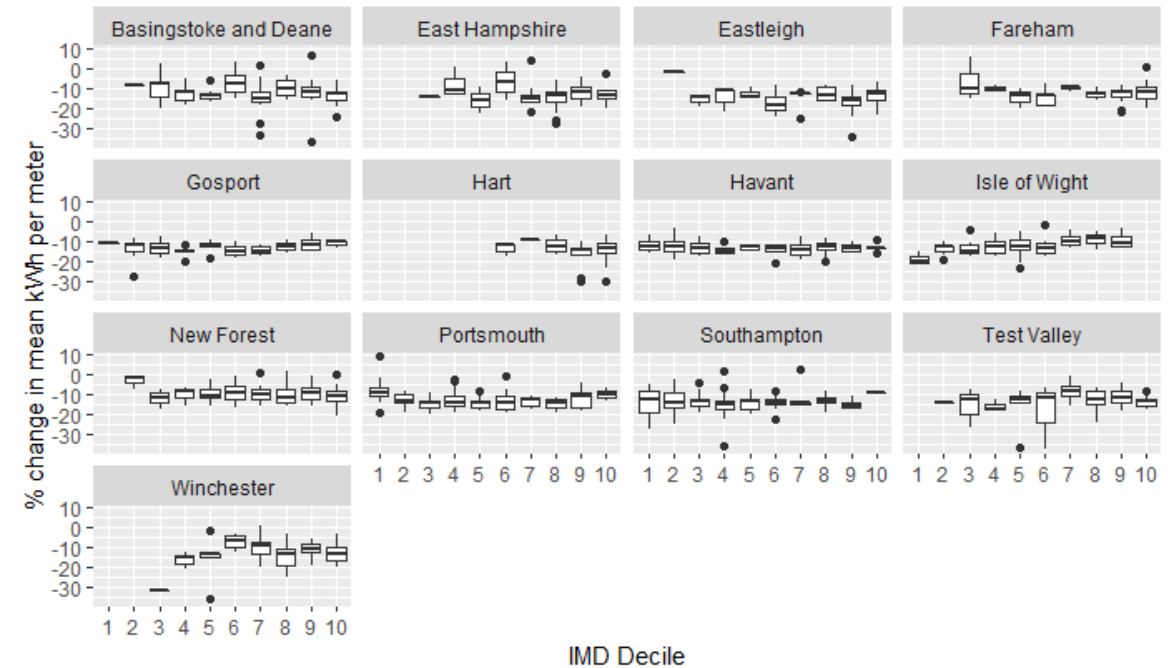
Relationship between change in Electricity consumption and deprivation score

Electricity consumption slightly higher in lower deprivation areas



Relationship between Electricity consumption and deprivation score (IMD decile 1: most deprived)

Percentage change in Electricity consumption generally consistent across deprivation levels



Relationship between percentage change in Electricity consumption and deprivation score

# Conclusions



Electricity & Gas



Fuel Poverty

- No correlation between % over 65s and % households living in fuel poverty
- Gas consumption higher in less deprived areas
- Change in gas consumption similar across deprivation levels
- Highlight areas for policies to address

# Your questions?

Meghan Kingsley-Walsh



# References

Visit Hampshire, 2018. *The Prettiest Villages in Hampshire Recommended by HolidayCottages.co.uk*. [Online]  
Available at: <https://www.visit-hampshire.co.uk/ideas-and-inspiration/blog/read/2018/10/the-prettiest-villages-in-hampshire-recommended-by-holidaycottages-co-uk-b64>  
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All graphs are my own work