

Integrated International Project Week: from May 8 until May 13, 2022

PROBLEM STATEMENT

— What?

- Sociodemographic information about people coming to the summer house areas in Odsherred exists, but spatial distribution of the people is unclear
- Existing data is not publicly available

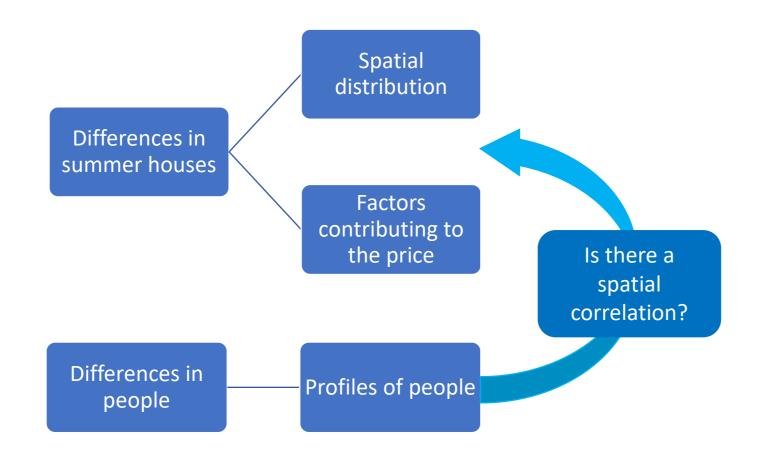
– Why?

- Understanding the diversity of the people to provide services
- Urban planning
 Future development of summer house areas in Odsherred
 - Necessary for young start-ups



RESEARCH QUESTION

Is there a spatial pattern in the summer house areas in Odsherred?

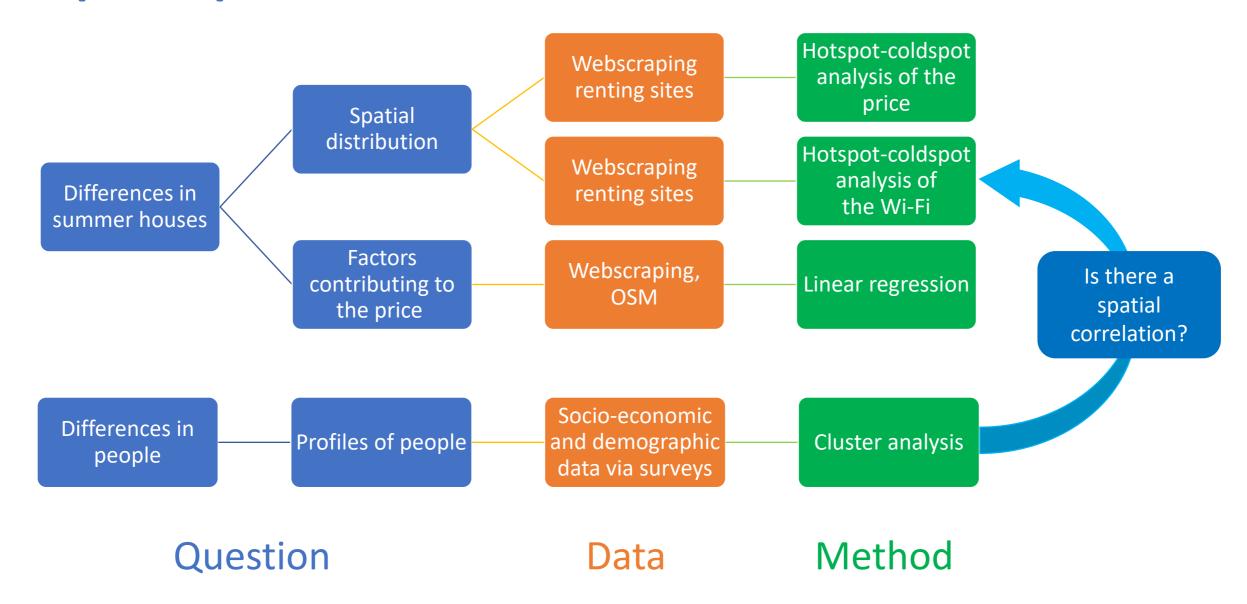


Question



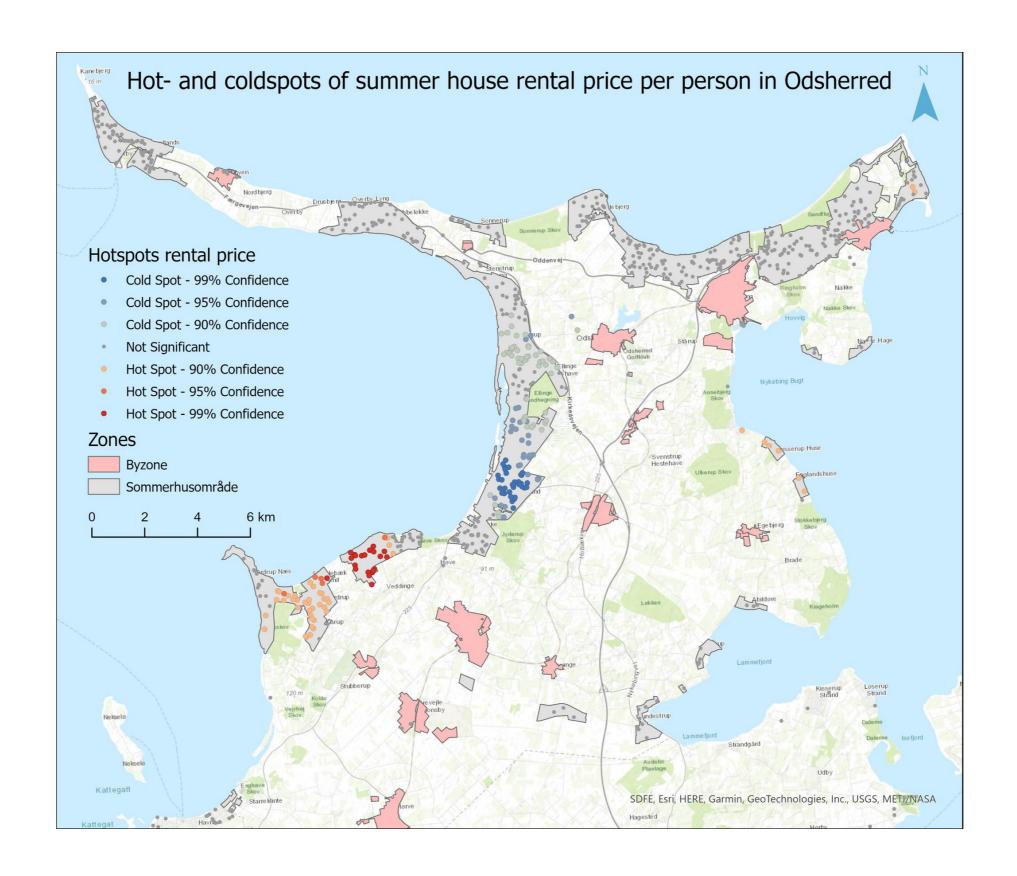
METHOD AND DATA COLLECTION

Is there a spatial pattern in the summer house areas in Odsherred?



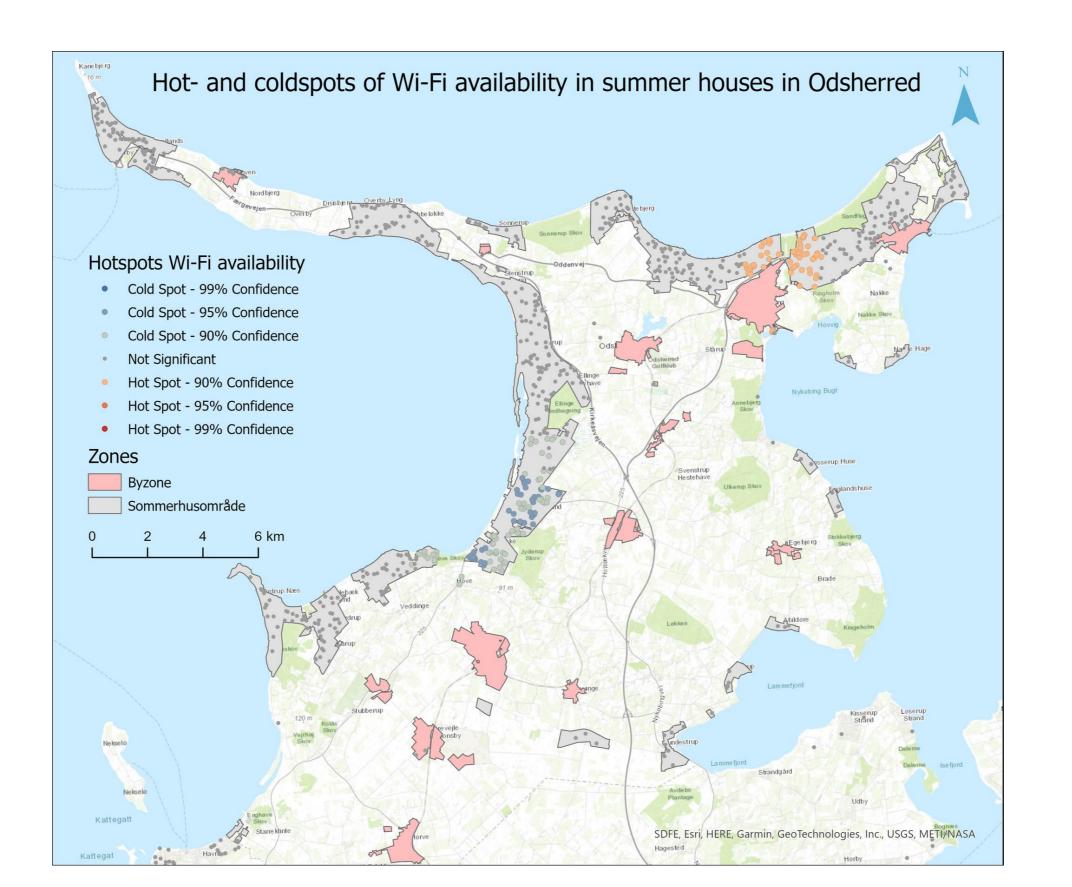


HOTSPOTS AND COLDSPOTS OF THE PRICE





HOTSPOTS AND COLDSPOTS OF THE WI-FI





FACTORS CONTRIBUTING TO THE RENTING PRICE

- Capacity
- Wi-Fi
- Distance to the coast
- Distance to a town
- Distance to a supermarket

Correlated: factor analysis Distance to services

Correlations										
		personen	wifi	afstand_zee	afstand_dorp	afstand_supermarkt				
personen	Pearson Correlation	1	-0,01	-0,032	-0,024	-0,018				
wifi	Pearson Correlation	-0,01	1	0,016	0,022	0,038				
afstand_zee	Pearson Correlation	-0,032	0,016	1	0,024	0,058				
afstand_dorp	Pearson Correlation	-0,024	0,022	0,024	1	0,855				
afstand_supermarkt	Pearson Correlation	-0,018	0,038	0,058	0,855	1				



FACTORS CONTRIBUTING TO THE RENTING PRICE

Capacity: Positive correlation

— Wi-Fi: Negative correlation

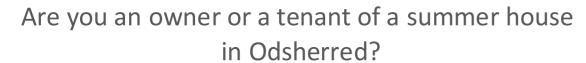
Distance to the coast: Negative correlation

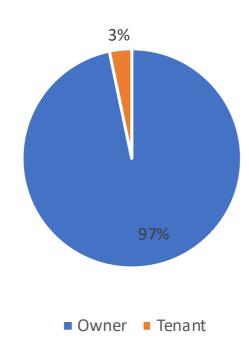
Distance to services:
 No significant correlation

Coefficients ^a										
Model		_	dardized icients	Standardized Coefficients	t	Sig.				
		В	Std. Error	Beta						
	(Constant)	262,171	43,561		6,018	,000				
4	wifi	-121,392	29,742	-,123	-4,082	,000				
1	personen	87,416	5,100	,517	17,141	,000				
	afstand_zee	-,057	,014	-,126	-4,176	,000				
	REGR factor score 1 for analysis 1	4,903	11,009	,013	,445	,656				
a. Dependent Variable: prijs/nacht										

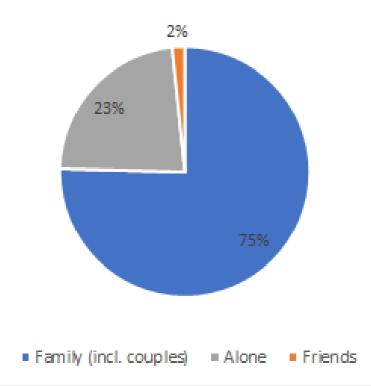


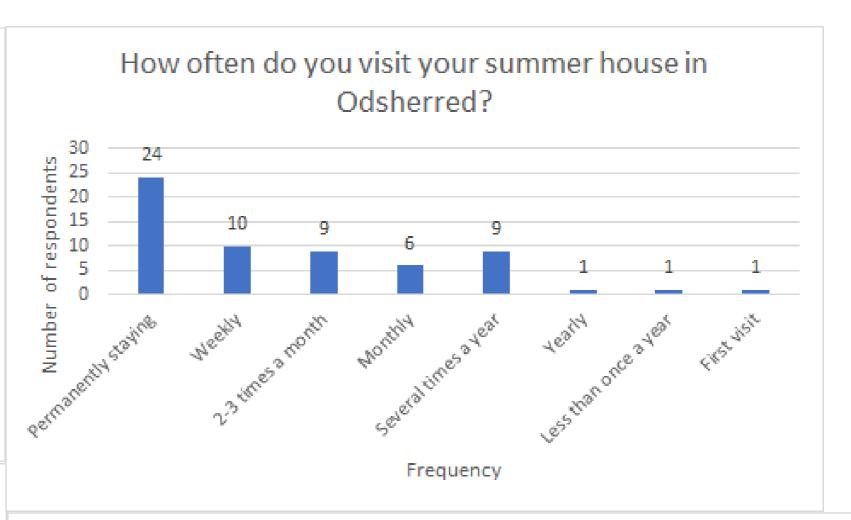
STATISTICS ABOUT THE STAY

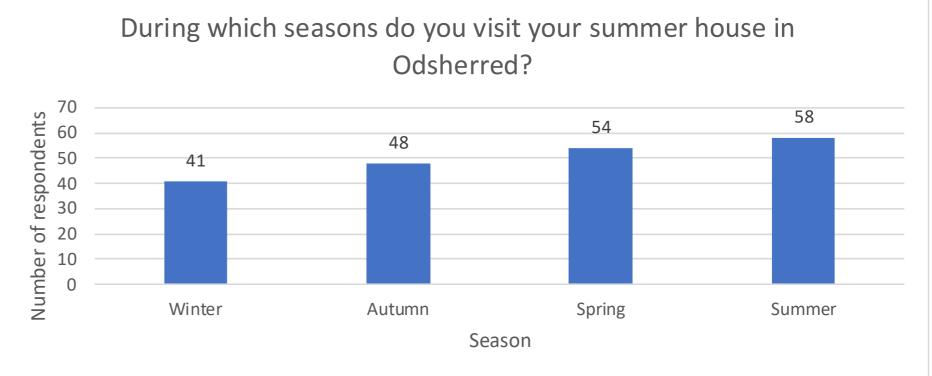




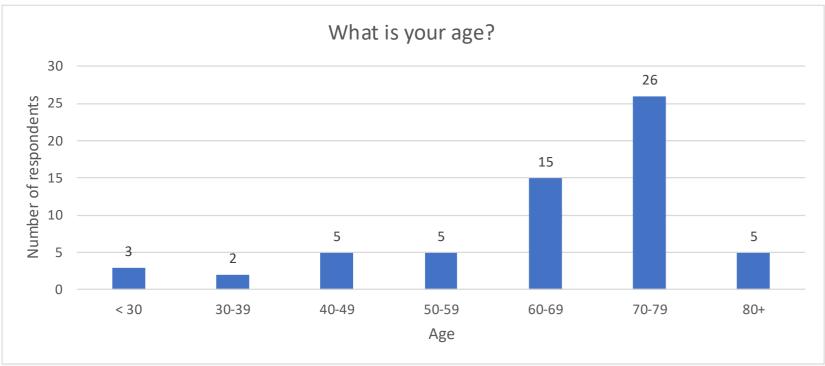
How are you related to each other?

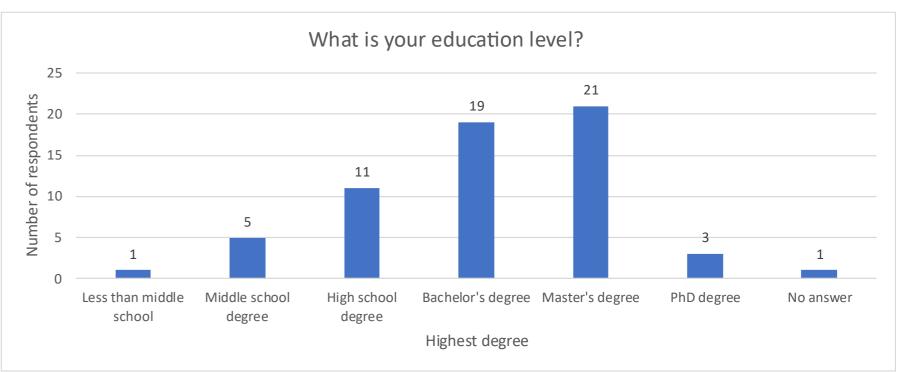




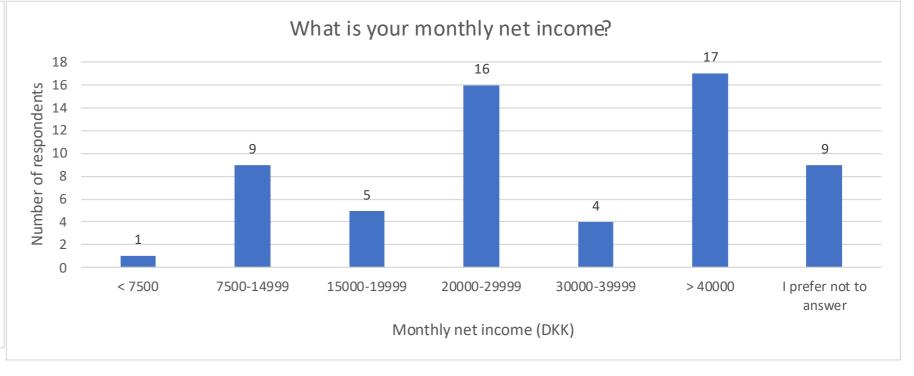


SOCIODEMOGRAPHIC STATISTICS





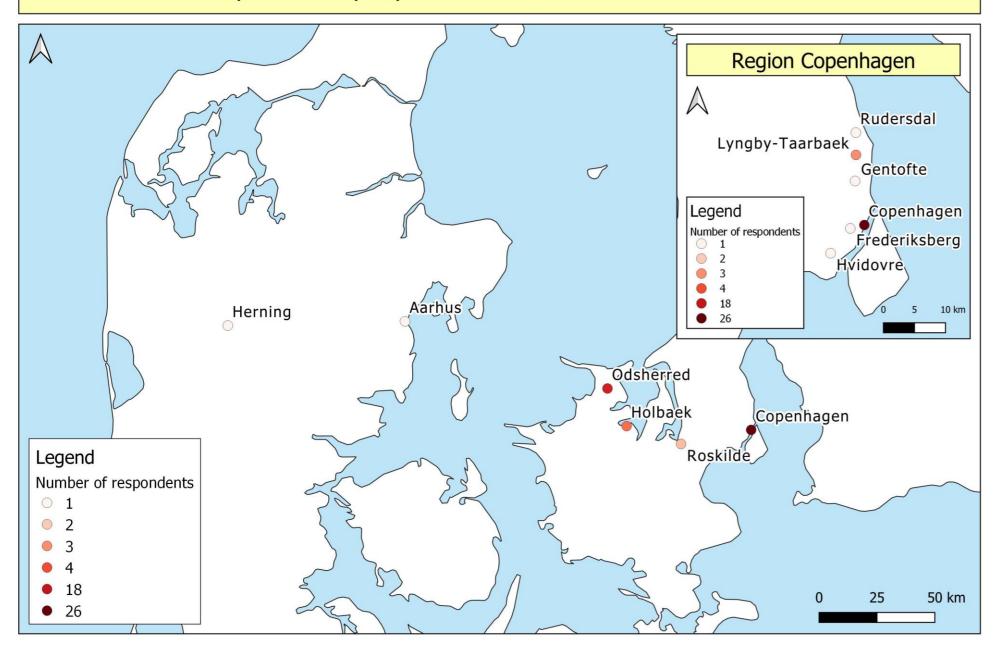


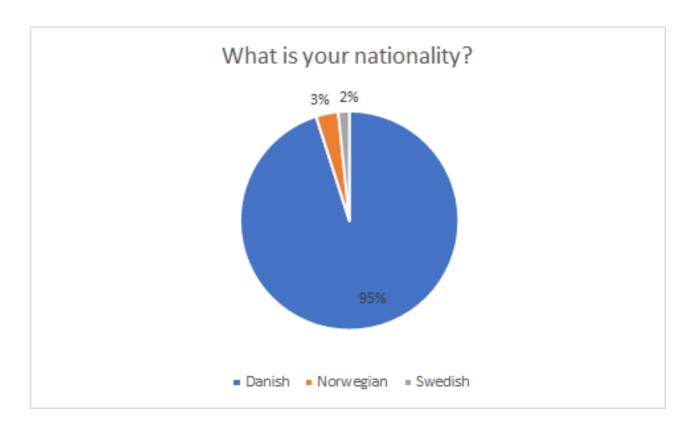




GEOGRAPHICAL DISTRIBUTION

Municipalities of people with a summer house in Odsherred







CONTRIBUTIONS TO THE PURCHASE

How did you get to know the area?

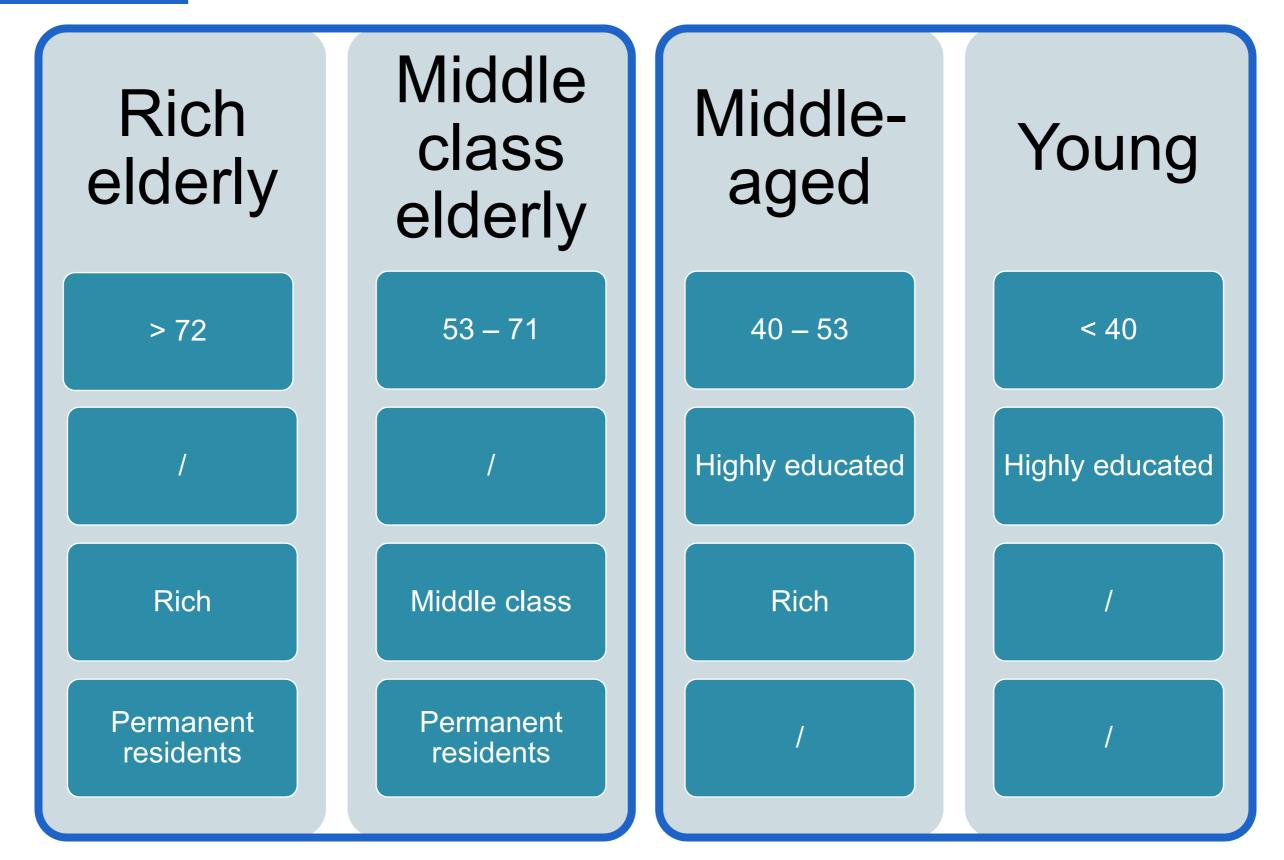


Why did you choose this area?



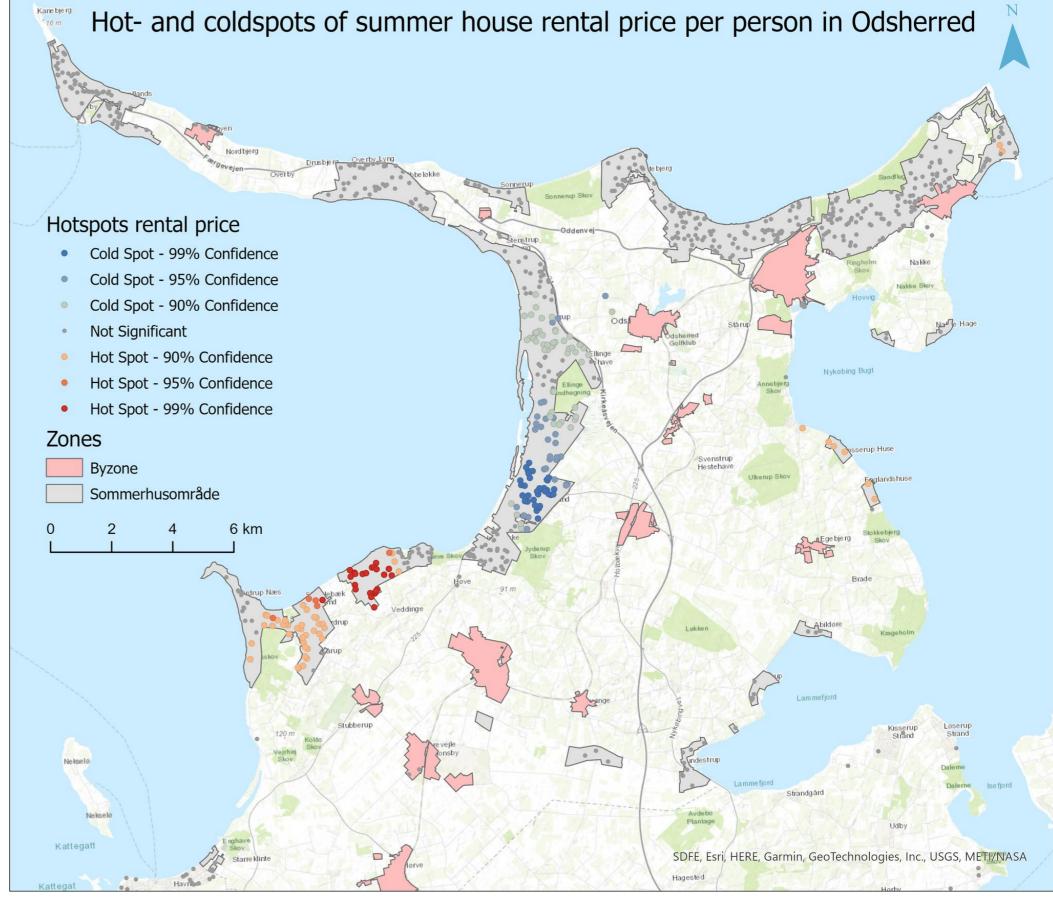


PROFILES



DISCUSSION

Hotspots in price match with visual observations





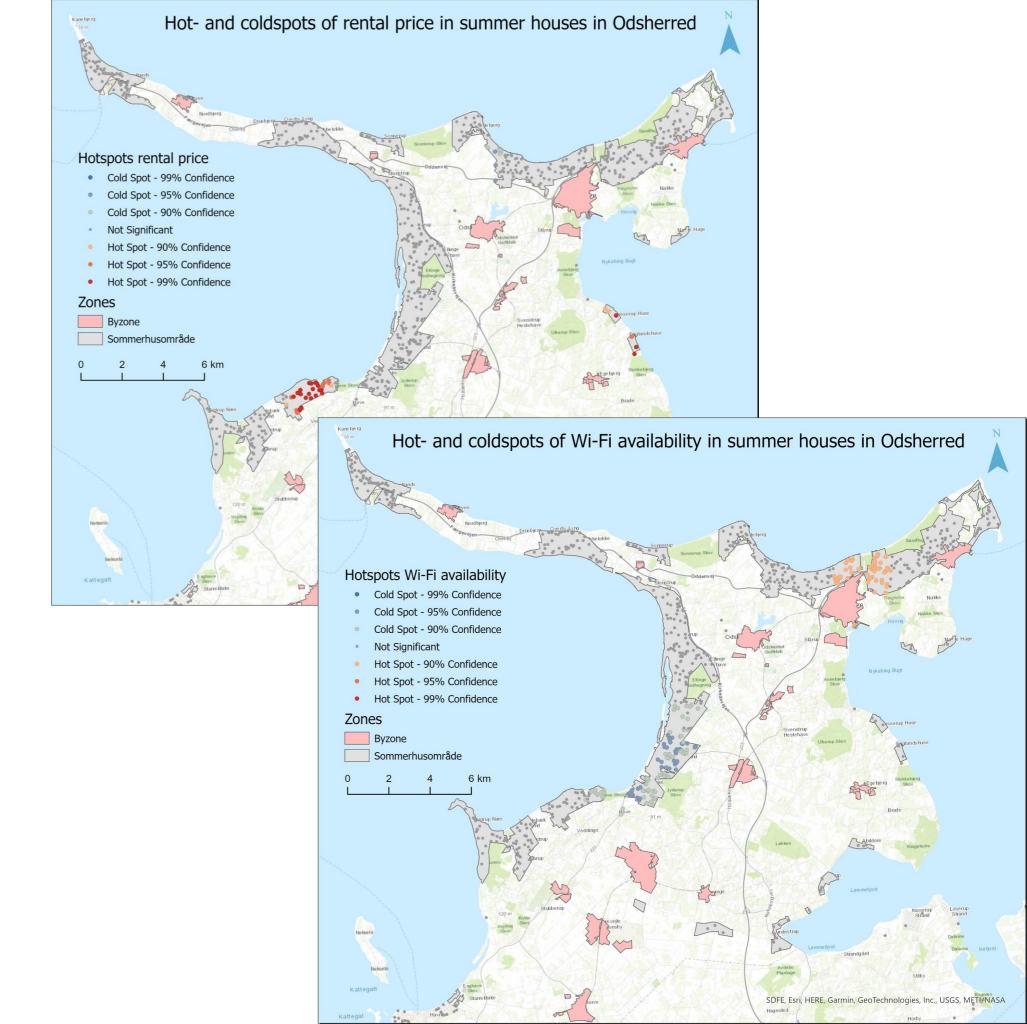
DISCUSSION

 Mismatch regression analysis and hotspotcoldspot analysis for Wi-Fi



GHENT

UNIVERSITY



DISCUSSION

- Housing area and building or renovation year are not included in the analysis
- Survey data is limited: during a schoolweek, limited time, no surveys in the coldspot
- Some multiple choice questions needed more options



CONCLUSION

- Charateristics of summer houses are not equally distributed in space
- Price is mainly influenced by capacity, distance to coast and Wi-Fi availability
- No significant spatial pattern found among the people



TAKE HOME MESSAGE

- Web scraping
- Working with PGIS (Survey 123)
- Taking surveys and analyse the data
- Hotspot-coldspot analysis
- The summer house culture of Denmark
- Changing the house style of UGent in Powerpoint



