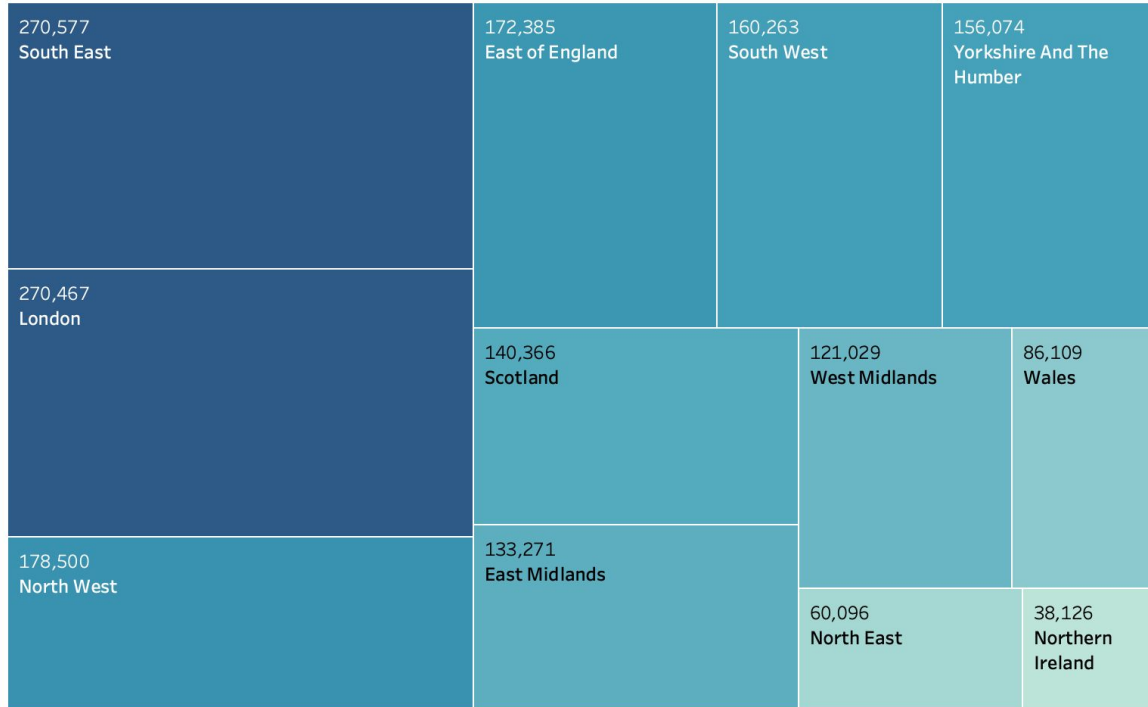


# WiD 2024 Hackathon - Team 4

Identifying factors that may impact on experiencing Sexual  
Comments by Private, Public, Online by Region

# Sexual Comments in Public by Region

## Sexual comments in Public



# Sexual Comments in Public by Region

## Sexual comments in Public

Demog Age	Demog Region											
	East Midlands	East of England	London	North East	North West	Northern Ireland	Scotland	South East	South West	Wales	West Midlands	Yorkshire And The ..
Null		583				602						605
18-24	15,059	17,744	26,299	9,103	13,741	4,092	12,140	25,306	19,579	6,763	15,647	13,748
25-34	13,182	20,813	110,658	6,349	36,748	4,699	16,763	45,617	28,144	13,272	20,436	28,937
35-44	23,981	24,509	60,265	13,336	38,929	4,631	15,645	63,200	37,227	7,551	20,952	27,241
45-54	18,158	25,754	50,056	9,413	31,027	7,030	18,100	71,198	43,108	15,043	21,022	25,738
55-64	37,527	41,699	16,758	7,723	22,251	11,115	44,708	38,182	26,291	25,229	22,943	28,631
65+	25,364	41,283	6,431	14,172	35,804	5,957	33,010	27,074	5,914	18,251	20,029	31,174

ENGLAND

# Sexual Comments in Private by R

Sexual comments in Private



# Sexual Comments in Private by Region

## Sexual comments in Private

Demog Age	Demog Region											
	East Midlands	East of England	London	North East	North West	Northern Ireland	Scotland	South East	South West	Wales	West Midlands	Yorkshire And The ..
Null		470				490						492
18-24	12,281	14,489	21,715	7,420	11,154	3,341	9,824	20,689	16,011	5,560	12,795	11,163
25-34	10,775	17,042	90,997	5,248	30,044	3,800	13,735	37,167	23,025	10,826	16,639	23,678
35-44	19,291	19,885	49,231	10,873	31,698	3,721	12,871	51,483	30,265	6,139	16,956	22,152
45-54	14,735	20,812	40,776	7,598	25,096	5,613	14,678	57,805	34,775	12,171	16,966	20,787
55-64	30,293	33,684	13,606	6,246	18,007	8,913	36,260	30,861	21,353	20,249	18,498	23,214
65+	20,481	33,369	5,230	11,452	28,901	4,790	26,545	21,886	4,771	14,753	16,191	25,152

# Sexual Comments Experienced by Region and by Social Grade

## Sexual comments in Public

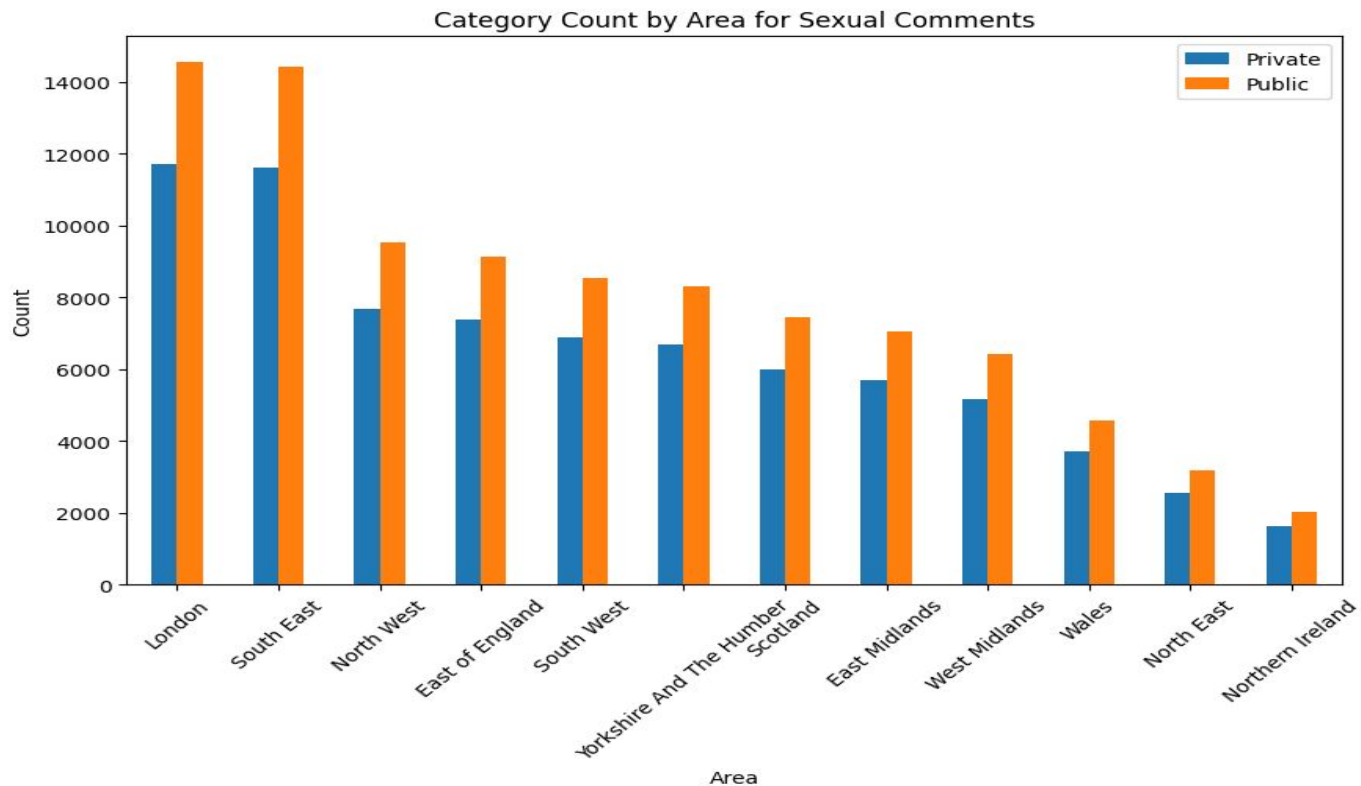
	Demog Region											
	East Midlands	East of England	London	North East	North West	Northern Ireland	Scotland	South East	South West	Wales	West Midlands	Yorkshire And The...
Demog Social Grade												
Intermediate managerial/ professional/ ..	31,385	27,861	99,694	12,182	53,895	4,048	23,837	82,876	58,174	11,633	25,070	34,259
Higher managerial/professional/adminis..	13,436	15,086	88,605	5,173	23,680	4,041	8,655	61,983	23,217	8,684	15,743	18,026
Supervisory or clerical/ junior manageria..	25,620	44,312	56,275	19,891	46,225	11,738	33,987	52,508	38,815	19,168	28,107	29,037
Student	2,332	2,299	7,444	1,147	1,733		4,046	8,007	5,755	3,954	2,886	3,486
Unemployed (for over 6 months) or not w..	6,450	9,989	4,045	1,207	7,510	3,549	8,189	12,307	11,625	5,233	7,656	12,213
Semi or unskilled manual worker (e.g. m..	20,615	22,942	3,930	9,941	15,152	6,486	15,241	17,402	7,522	15,817	16,323	21,060
Skilled manual worker (e.g. skilled brickl..	19,304	32,915	3,477	8,247	21,639	4,111	32,278	24,421	10,493	13,433	17,658	27,996
Retired and living on state pension only	11,818	14,090	2,885	1,733	6,351	3,570	11,241	9,961	2,948	6,999	5,302	9,423

The higher the social grade, the more likely you are to experience sexual comments regardless of in Public and Private.

## Sexual comments in Private

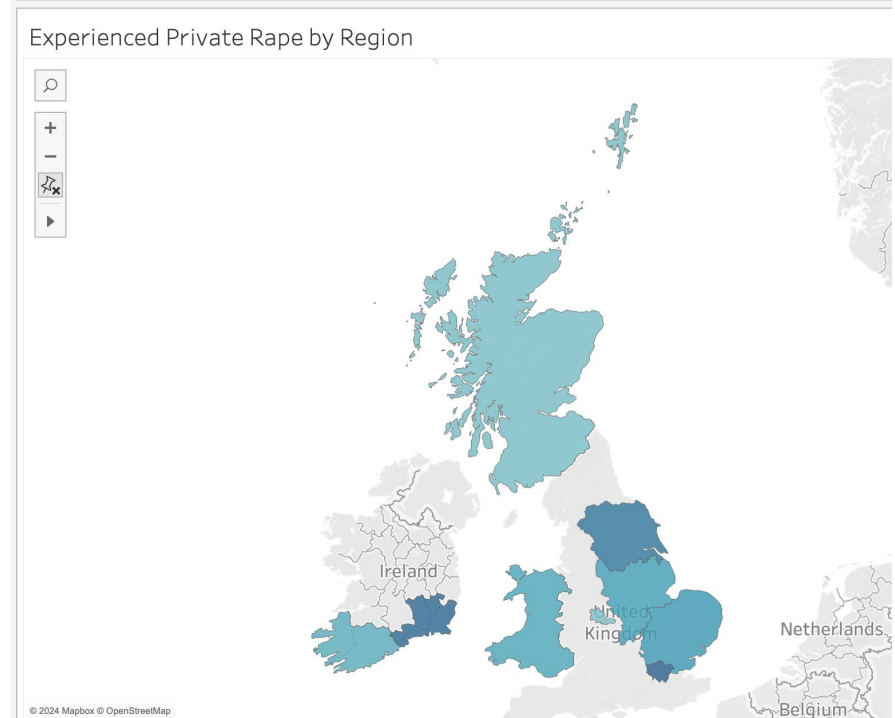
Demog Social Grade	Demog Region											
	East Midlands	East of England	London	North East	North West	Northern Ireland	Scotland	South East	South West	Wales	West Midlands	Yorkshire And The ..
Intermediate managerial/..	25,436	22,750	81,822	9,971	43,948	3,282	19,456	67,592	47,264	9,434	20,286	27,817
Higher managerial/profes..	10,930	12,246	72,452	4,241	19,439	3,270	7,075	50,373	18,896	7,073	12,758	14,681
Supervisory or clerical/ ju..	20,770	35,870	46,164	16,150	37,465	9,383	27,597	42,675	31,634	15,427	22,798	23,576
Student	1,913	1,869	6,117	942	1,402		3,290	6,531	4,693	3,199	2,358	2,841
Unemployed (for over 6 m..	5,183	8,028	3,288	975	6,052	2,847	6,655	9,956	9,449	4,295	6,213	9,979
Semi or unskilled manual ..	16,683	18,587	3,178	7,993	12,243	5,214	12,321	14,080	6,096	12,762	13,243	16,986
Skilled manual worker (e...	15,565	26,634	2,831	6,662	17,355	3,325	26,039	19,729	8,427	10,889	14,219	22,688
Retired and living on stat..	9,541	11,392	2,350	1,434	5,139	2,876	9,097	8,027	2,376	5,666	4,294	7,595

# Preprocessing on Region



# Demographic Region by Count of Private Rape

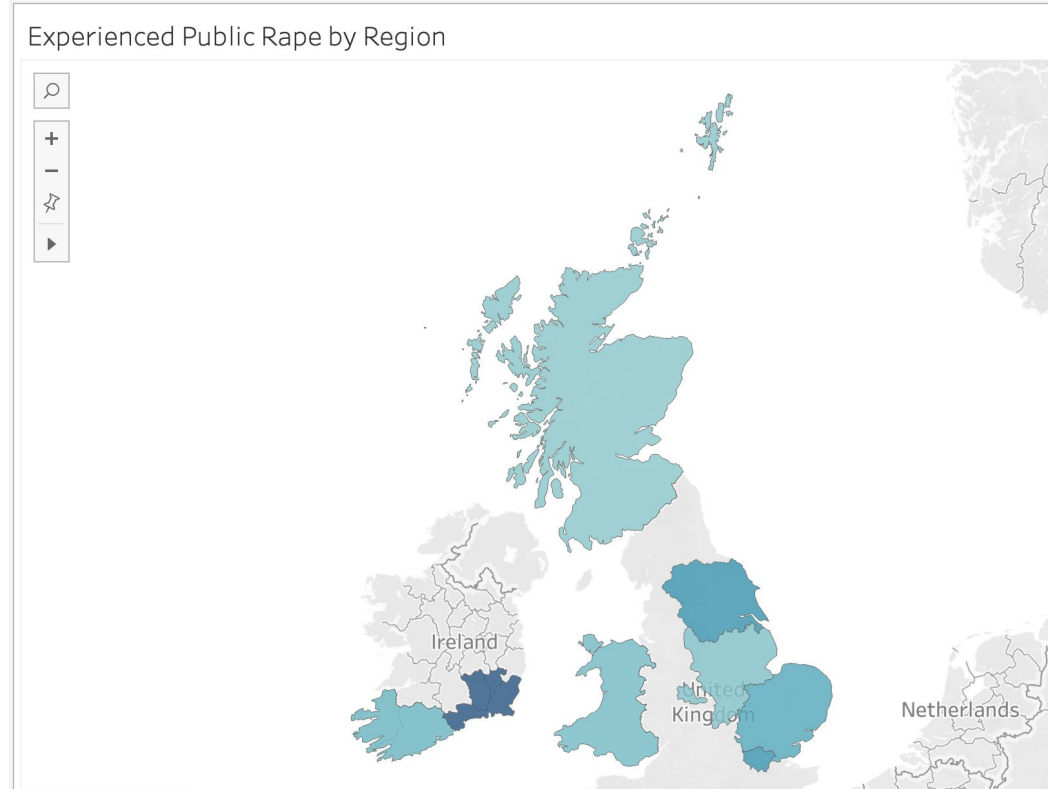
- London comes up with count of highest experienced private rape of 24
- Lowest is Scotland at a count of 9



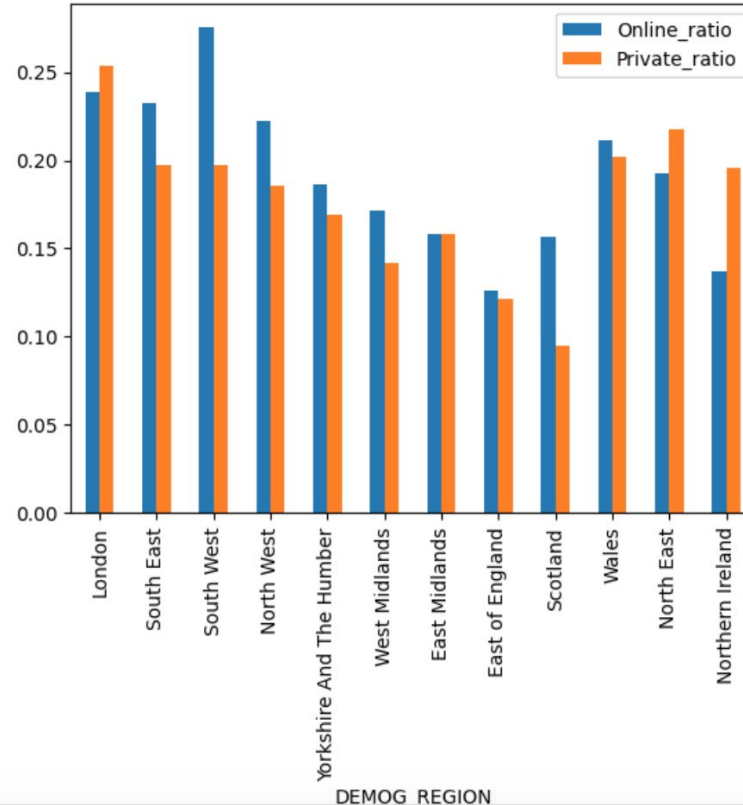


# Rape by Region in UK based on Public

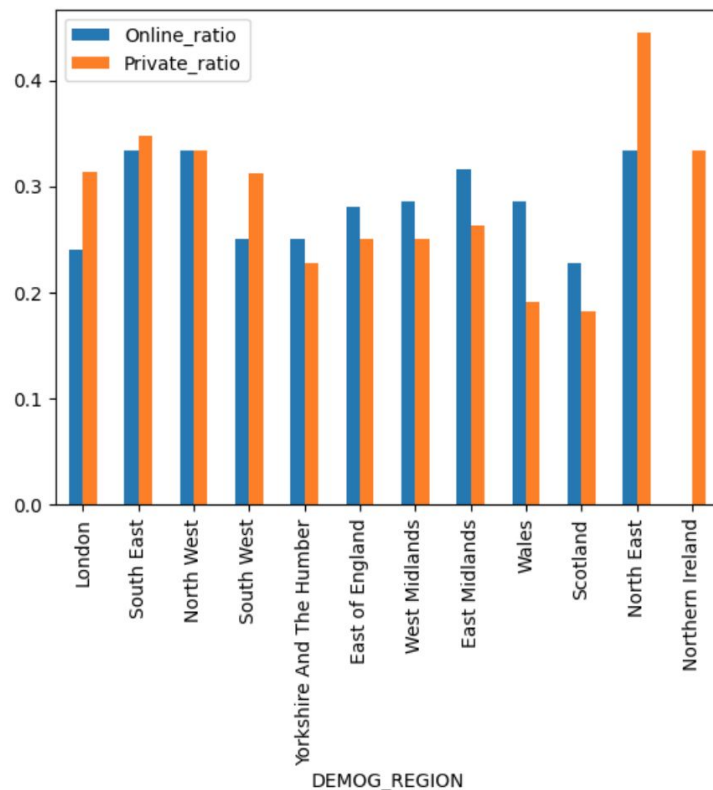
- South East highest rate being a count of 24
- Scotland has the lowest count of public rate of 7



# South West saw highest proportion of Online sexual comments for all age groups

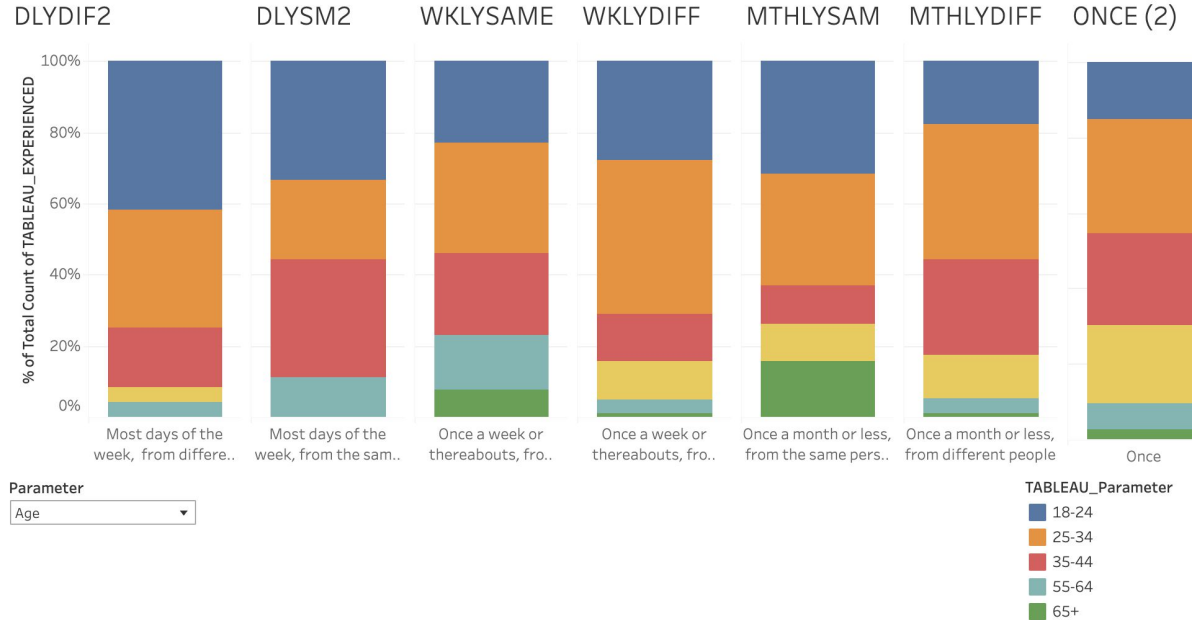


# North East had the highest ratio of sexual comments for 25-34s



Over 30% of respondents received sexual comments in private in London, South East, North West, North East and Northern Ireland

# Public Sexual Comments



Of those experiencing daily sexual comments in public, the biggest group is the 18-24yo group, which is worrying as it indicates younger people are the most exposed

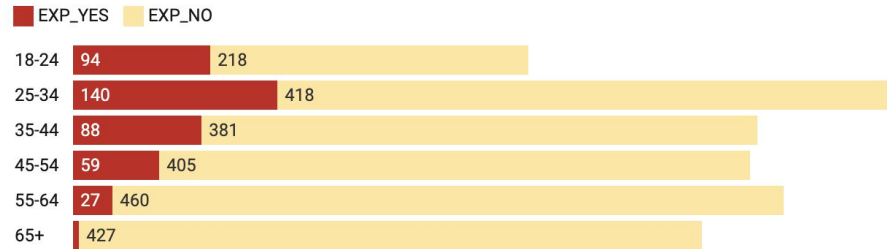
# Private Sexual Comments

- Younger non-binary, and gender-non conforming people report proportionally higher experience of sexual comments in private compared to respondents in higher age brackets.

Experienced Private Sexual Comments by Gender



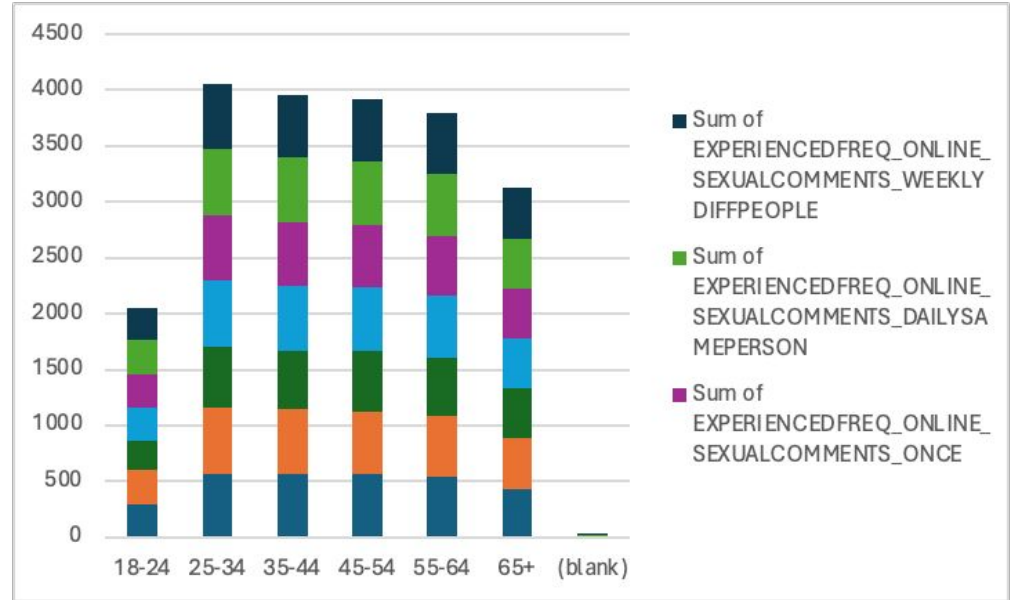
People who experienced Sexual Comments in Private



# Online Sexual Comments

Age:

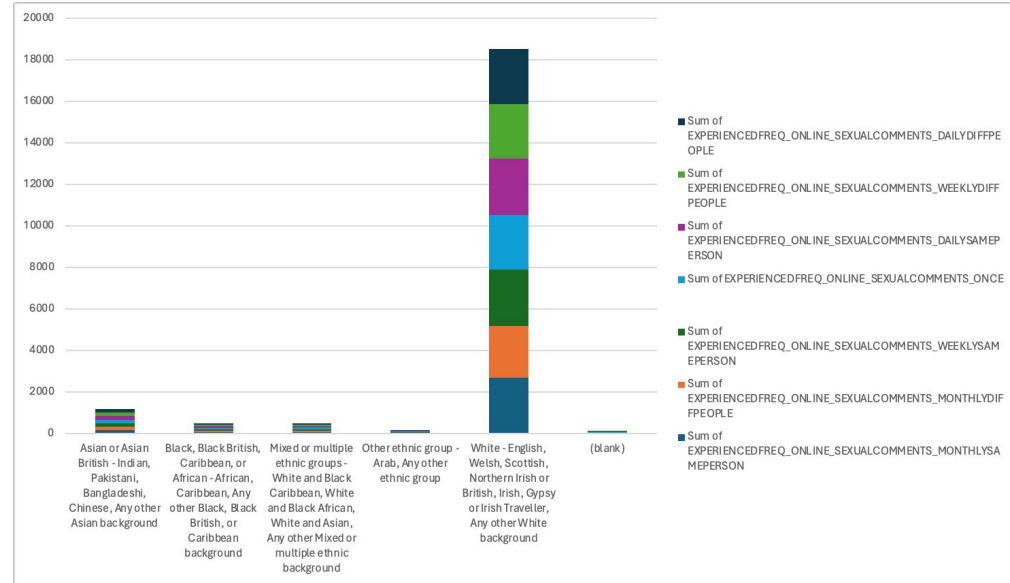
- Those aged 25+ experience the most of sexual comments
- However on average 97% of all the age groups experienced online sexual comments



# Online Sexual Comments

### Ethnicity:

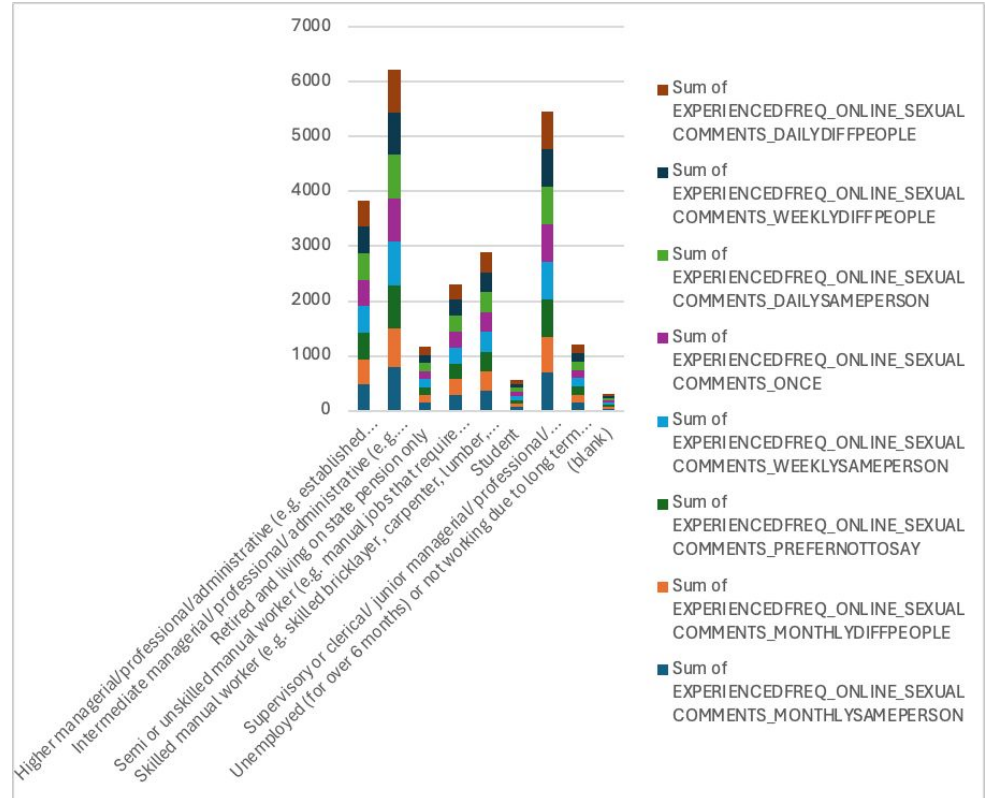
- Those identified as White reported the most online sexual comments
- However, once again 97% of those in all ethnicity reported online sexual comments



# Online Sexual Comments

## Social Grade:

- The two groups experienced highest number of sexual comments online are
  - Intermediate managerial/professional
  - Supervisory or clerical roles
- Once again, 97% of all social grade, experienced online sexual comments

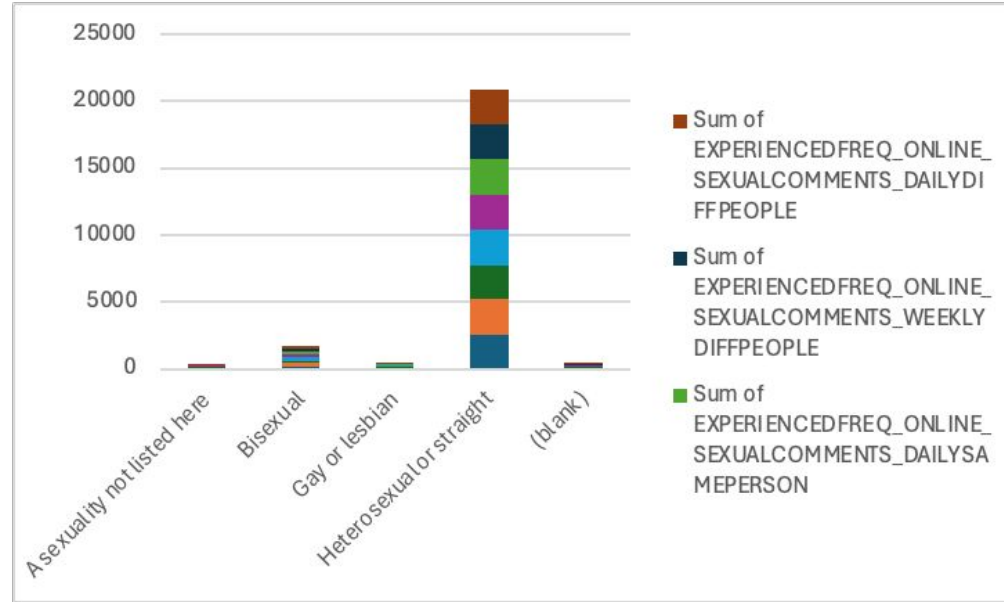




# Online Sexual Comments

## Sexuality:

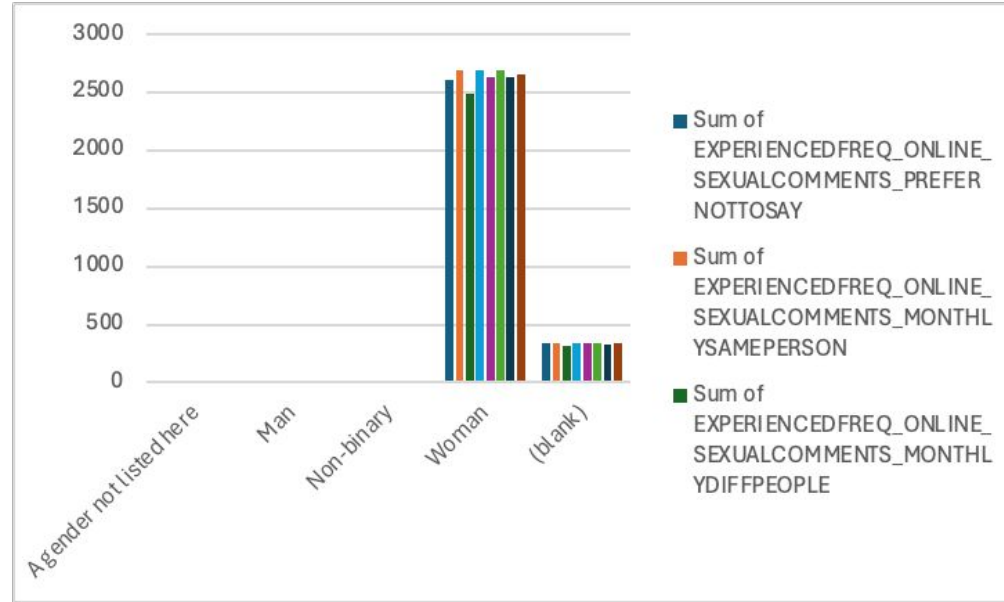
- Those who are mainly heterosexual and also bisexual seems to have highest experience of sexual comments
- On average, 96% of all sexuality still experience sexual comments online



# Online Sexual Comments

## Gender:

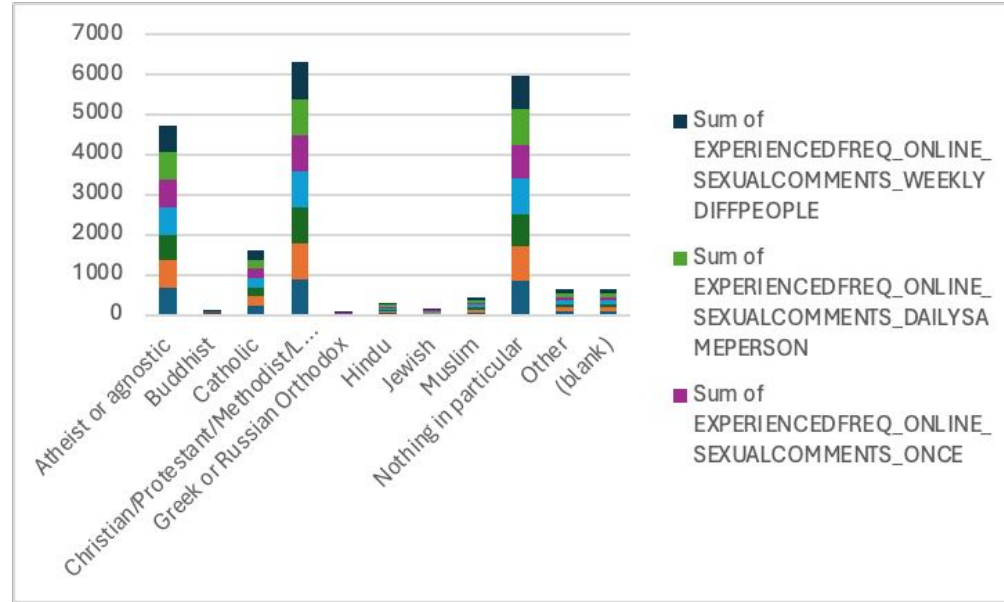
- The majority who answered the survey are women
- However, still 97% of all gender still experience online sexual comments



# Online Sexual Comments

## Religion:

- Those who are Atheist, Christian and Nothing in Particular report the highest online sexual comments
- However, proportionally all are equally (96%) experience online sexual comments regardless of religion



# Summary

- Between those experiencing **public** and **private** sexual comments, it is shocking that more are experiencing sexual comments in the public space
- We found that the majority of these comments are made in the South East and London both in **public** and **private** which may correlate with the number of victims who had experienced rape in the same region
- This was even more so with those in higher positions experiencing **public** and **private**!
- In **public**, 18-24s are disproportionately experiencing sexual comments in public
- This trend is also seen in the **private** space, younger non-binary, and gender-non conforming people report higher experience of sexual comments in private compared to respondents in higher age bracket
- The most shocking however, is the sexual comments experienced are most found **online**
- On average 97% of those reported experience sexual comments **online**, regardless of age, ethnicity, location, social grade, religion, even gender!

Theme 1: Perpetrators and Crime 2) Geographic Variation in VAWG

2) Geographic Variations in VAWG: VAWG prevalence and its characteristics can vary significantly across regions

- Analyse and visualise existing data to identify geographical trends in VAWG prevalence and types
- Investigate potential factors contributing to these variations
- Develop recommendations for tailored VAWG prevention and intervention

strategies based on regional differences.

Theme 2: Victims 1) Vulnerability and Risk assessment

1) Vulnerability and Risk Assessment: VAWG impacts women differently based on their individual circumstances.

- Develop a framework to identify and assess the risk of VAWG for different groups of women
- Prioritise interventions based on identified risk factors and specific needs of vulnerable groups
- Create a visual tool (e.g., interactive dashboard, stats generator) to present and explore the risk assessment framework