# Using the data

Benefit Comparisons

Research questions

1. How accurate are FRS estimates when compared to administrative data sources?
2. What effect does year have on FRS benefit amounts?
3. Are the differences between the FRS years statistically significant?
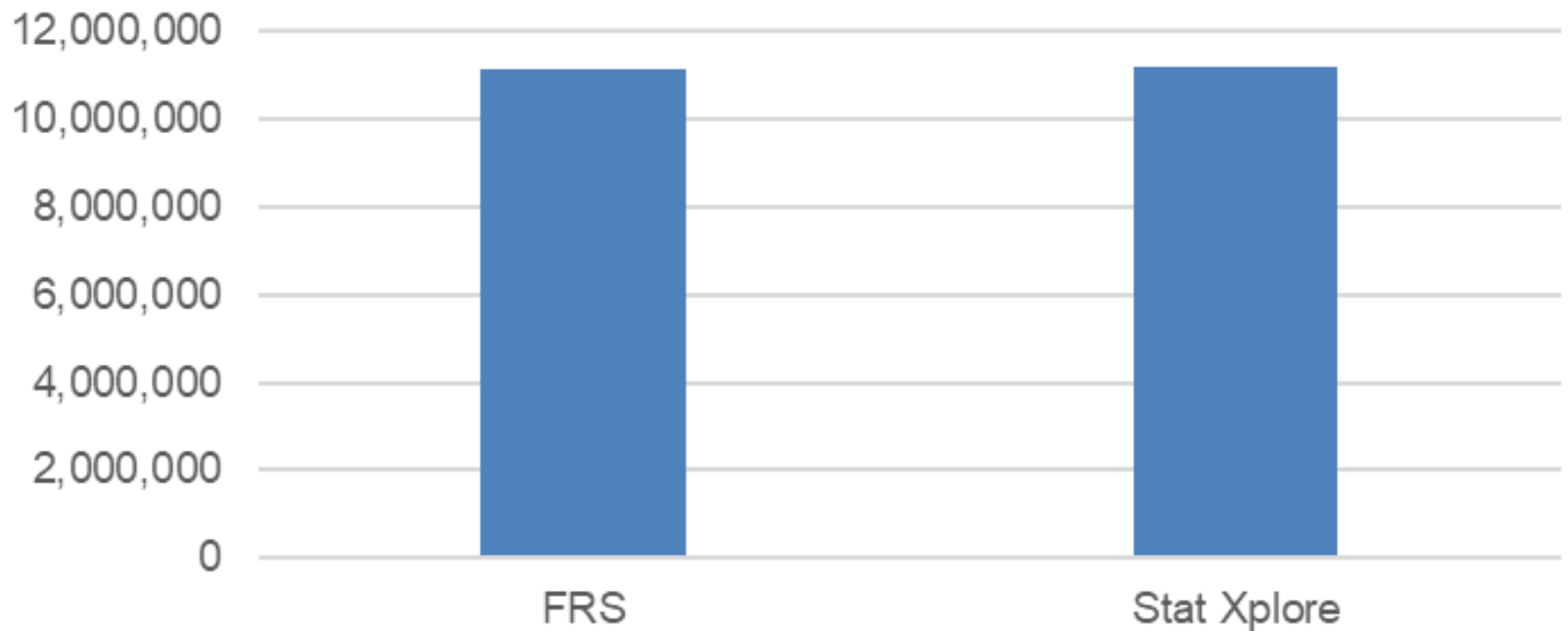4. How are those in receipt of Universal Credit distributed by tenure type?

Universal Credit

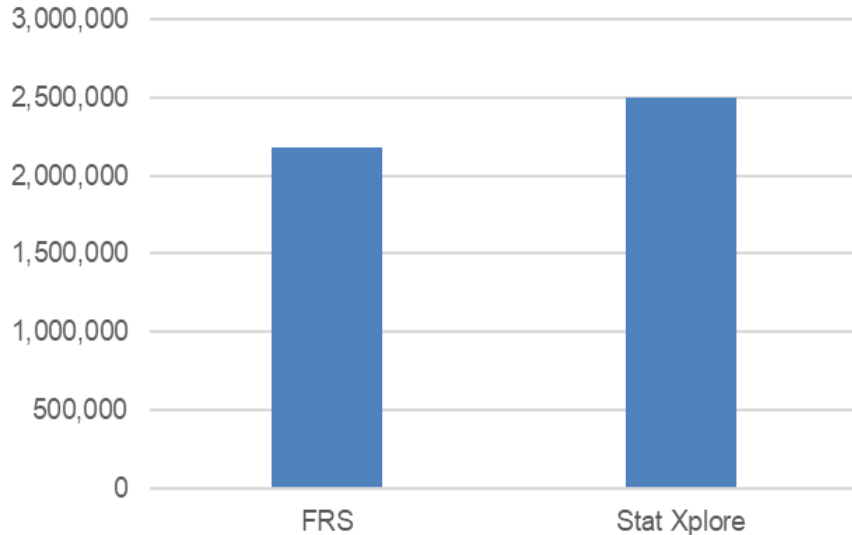Universal Credit claimant estimate from FRS compared to Stat Xplore numbers
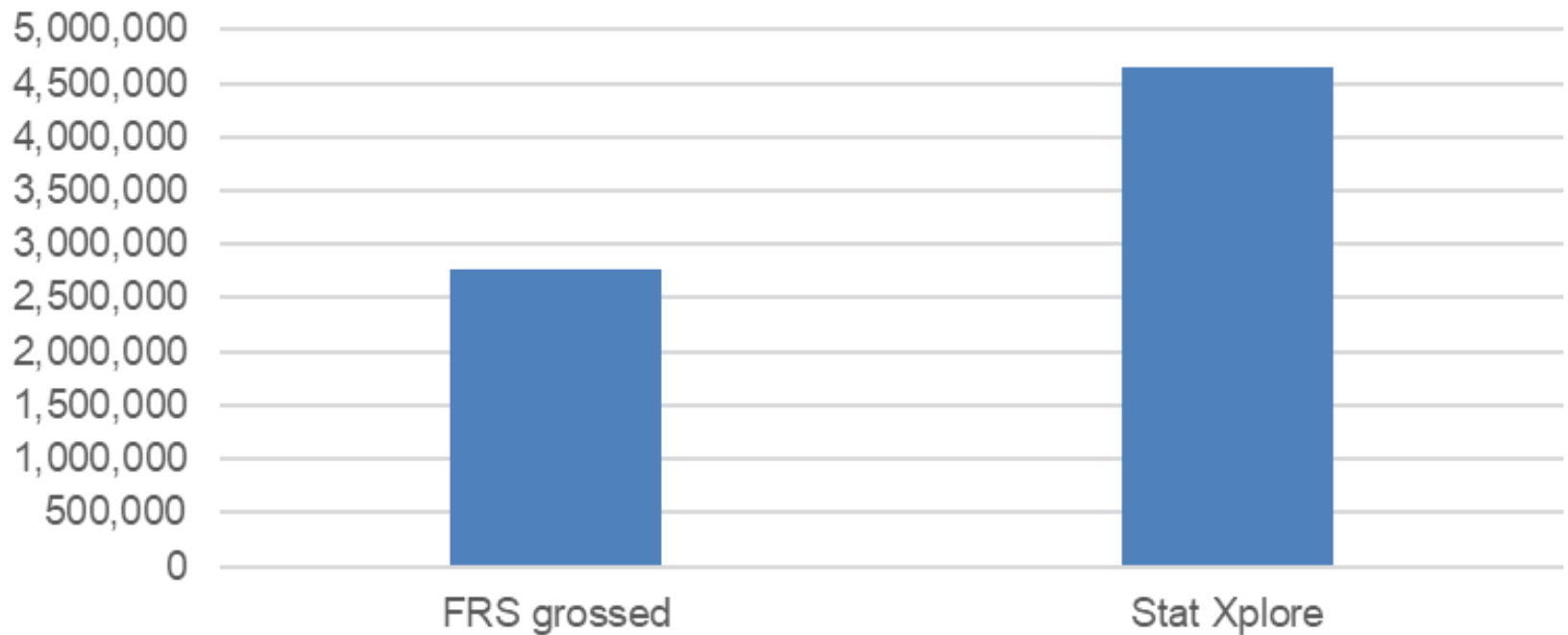
State Pension

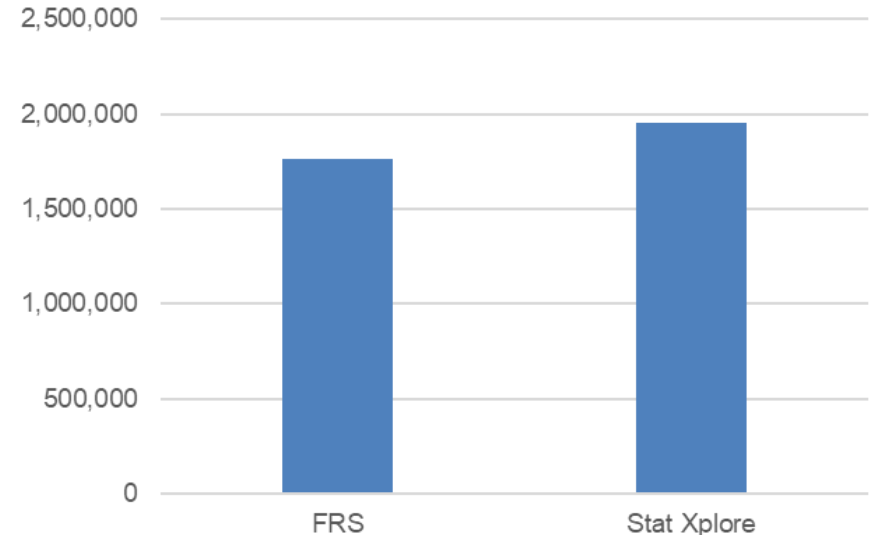State Pension claimant estimate from FRS compared to Stat Xplore numbers

Personal Independence Payment Daily Living and Mobility

Personal Independence Payment Daily Living claimant estimate from FRS compared to Stat Xplore numbers

Personal Independence Payment Mobility claimant estimate from FRS compared to Stat Xplore numbers

FRS benefit amounts

Benefits	Benefit amount	
	2019-20	2020-21
Universal Credit	£162.92	£180.86
State Pension	£150.15	£157.73
Personal Independence Payment Daily Living	£71.43	£72.79
Personal Independence Payment Mobility	£44.93	£46.75

Statistical significance

- For the FRS variable 'BENAMT' for Universal Credit, State Pension and Personal Independence Payment Daily Living and Mobility, all p-values for the normal approximation test are less than 0.0001 for a two-sided test.

- Since all p-values are less than 0.05 we can conclude that the benefit amounts for Universal Credit, State Pension and Personal Independence Payment Daily Living and Mobility are significantly different between the financial years 2019-20 and 2020-21 at the 5% significance level.

Universal Credit claimants by tenure type

Table to show the distribution of tenure for those in receipt of Universal Credit in 2019-20

The FREQ Procedure

Tenure				
TENURE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Owns it outright	74436	5.41	74436	5.41
Buying with the help of a mortgage	104704	7.60	179140	13.01
Part own, part rent	6045	0.44	185185	13.45
Rents	1185637	86.11	1370822	99.56
Rent-free	6102	0.44	1376924	100.00

Table to show the distribution of tenure for those in receipt of Universal Credit in 2020-21

The FREQ Procedure

Tenure				
TENURE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Owns it outright	243349	8.77	243349	8.77
Buying with the help of a mortgage	282334	10.17	525683	18.94
Part own, part rent	15214	0.55	540897	19.49
Rents	2217836	79.92	2758733	99.42
Rent-free	16225	0.58	2774958	100.00

Wellbeing variables

# Research questions

1. The year 2020-21 was affected by the COVID-19 pandemic while 2019-20 was not. Are there any differences in people's self-perceived wellbeing between the years?
2. Are the differences between the years statistically significant?
3. How is self-perceived life satisfaction distributed by disability status?
4. How is self-perceived anxiousness distributed by household income?
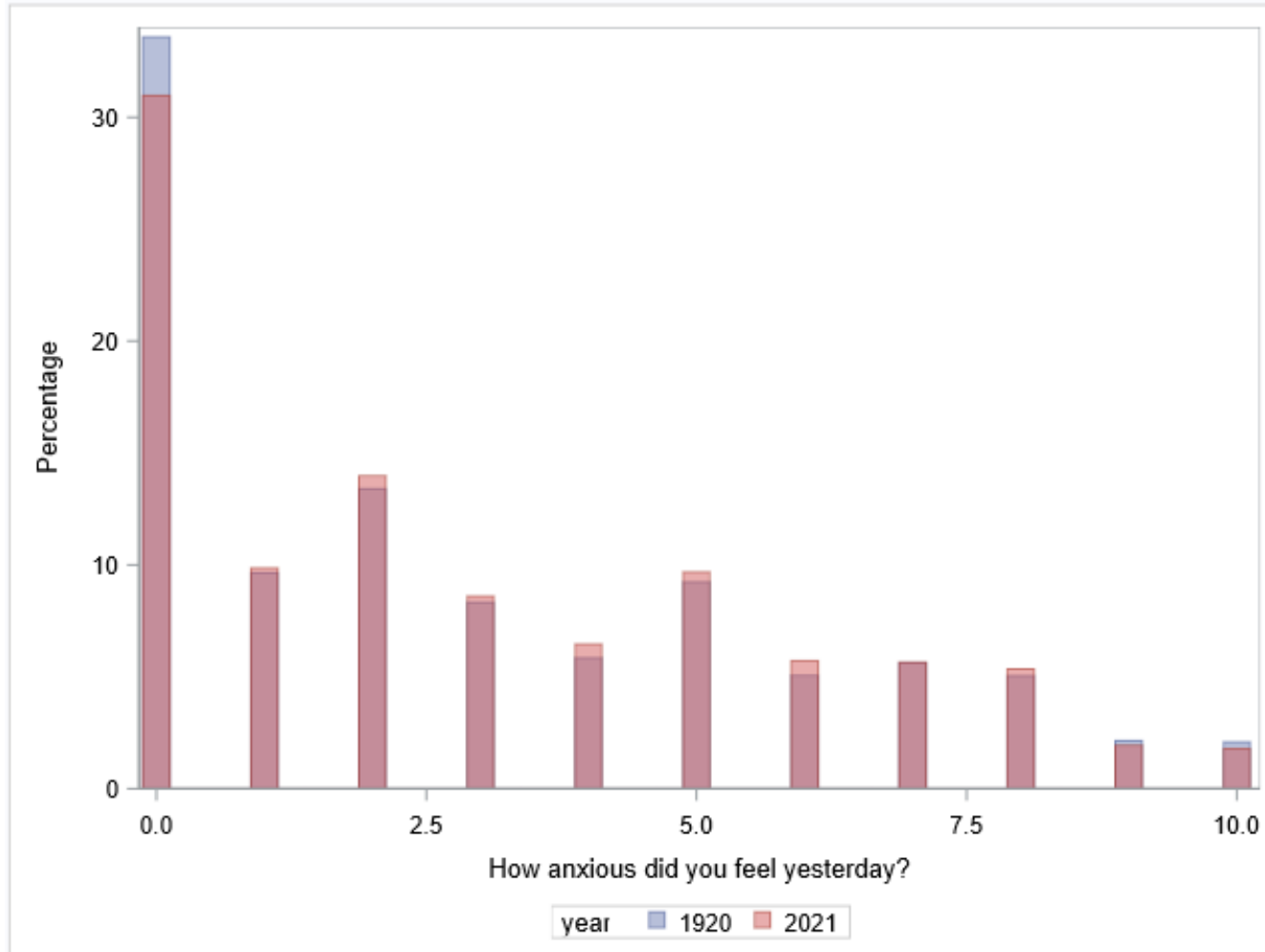
Happiness

Histogram to compare HAPPYWB in 2019-20 to 2020-21
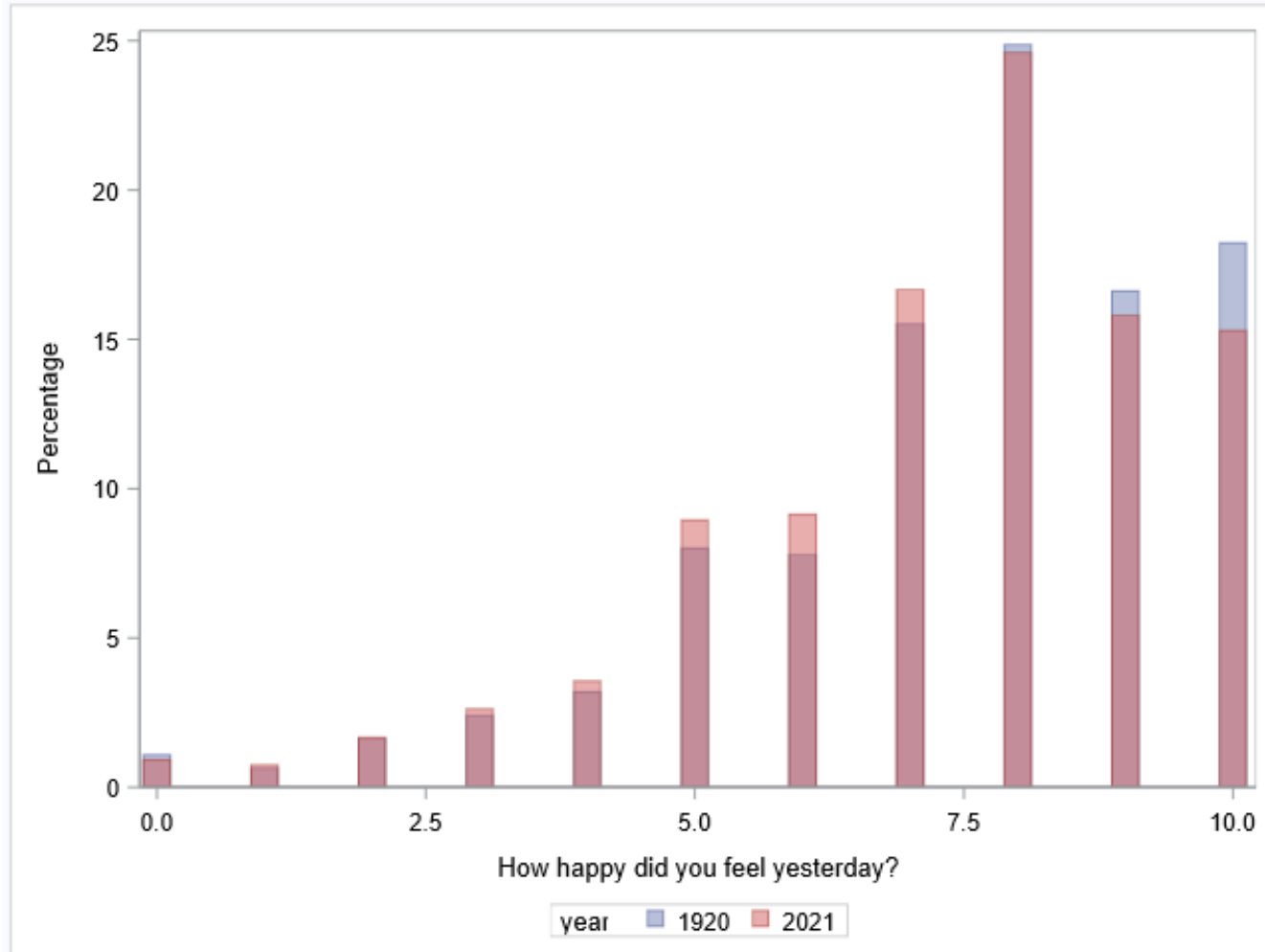
Anxiousness

Histogram to compare ANXIOUS in 2019-20 to 2020-21

Life satisfaction

Histogram to compare LIFESAT in 2019-20 to 2020-21
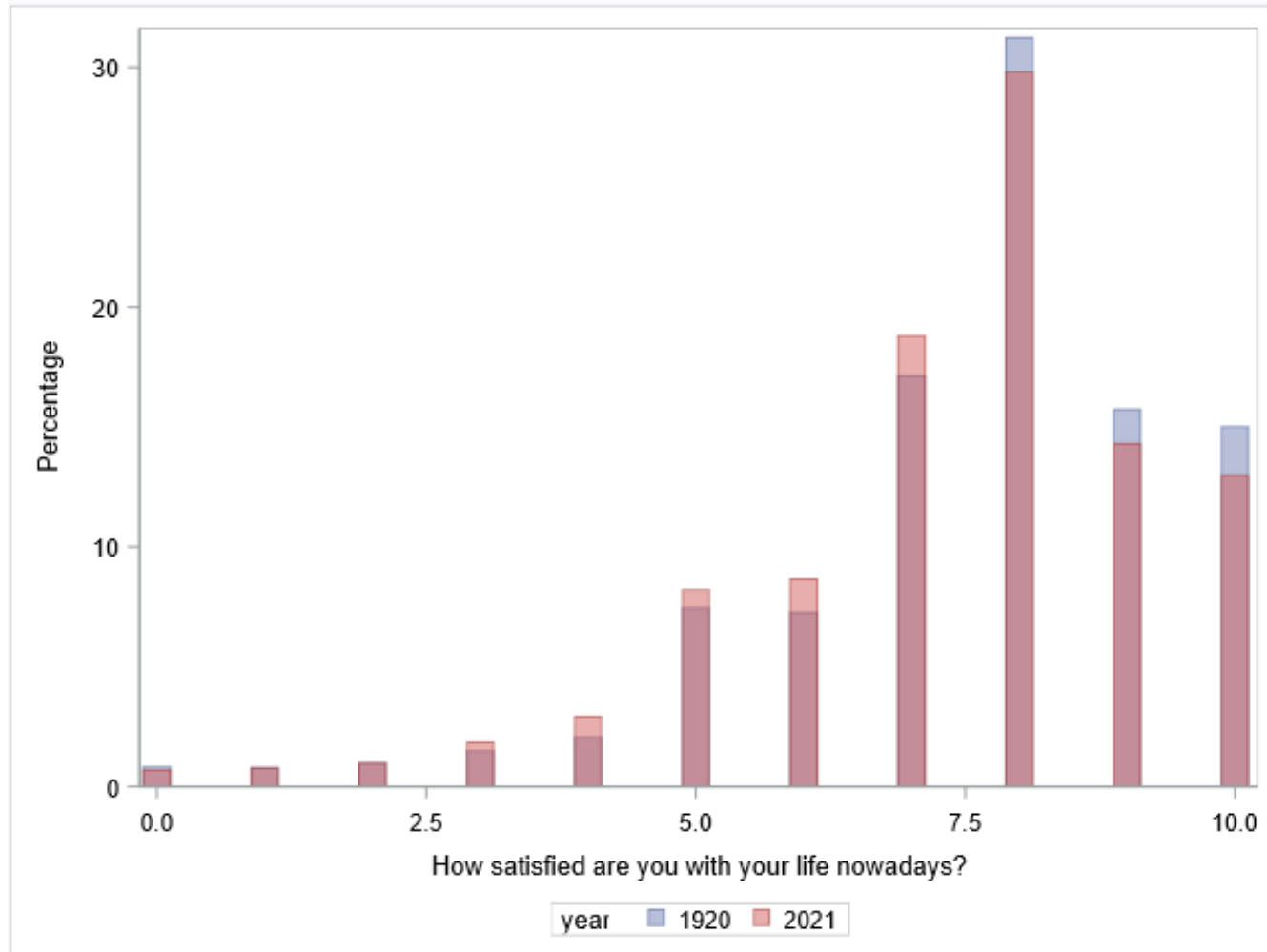
Worthwhileness

Histogram to compare MEANING in 2019-20 to 2020-21
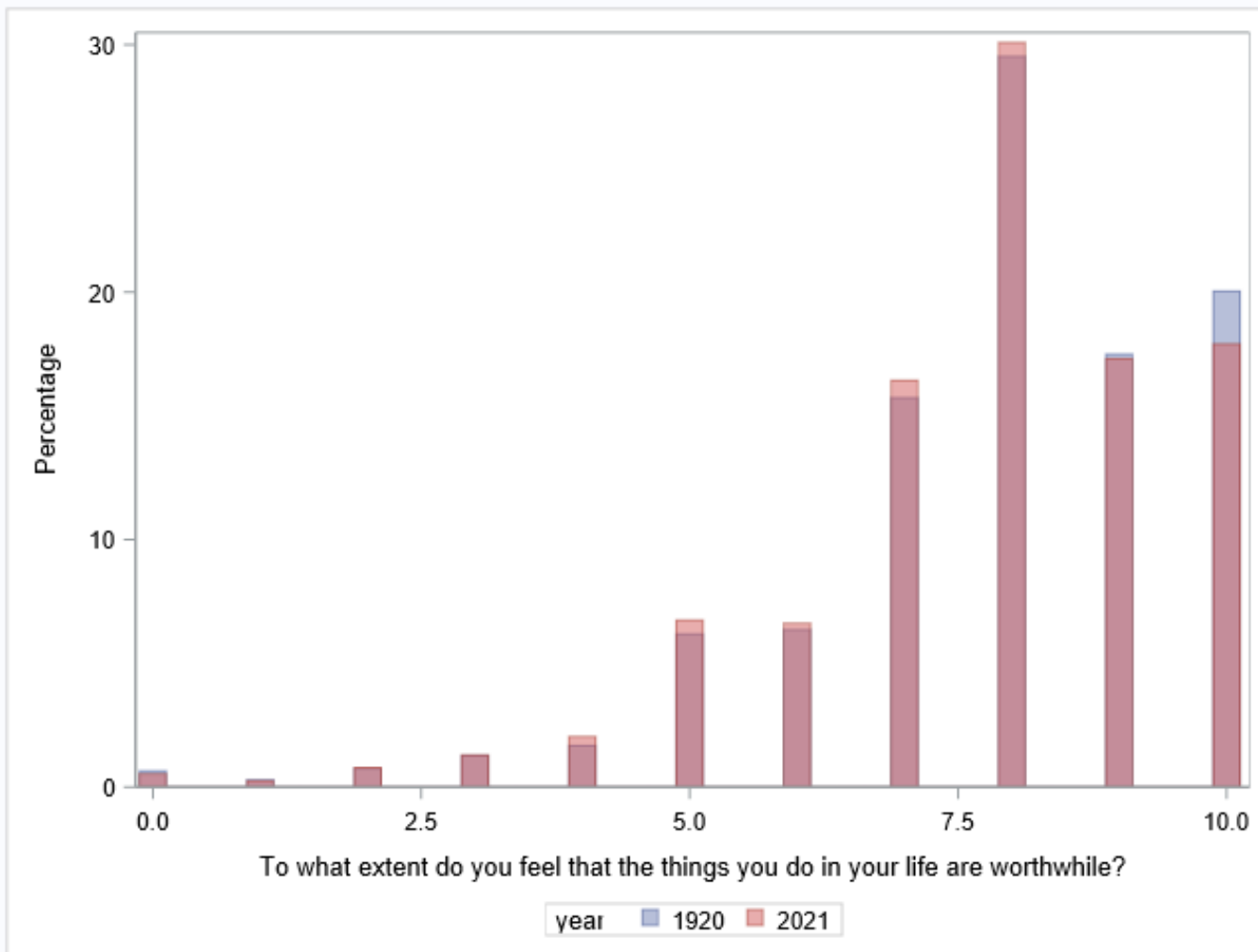
Statistical significance

- For the variables HAPPYWB, ANXIOUS, LIFESAT and MEANING, all p-values for the normal approximation test are less than 0.0001 for a two-sided test.

- Since all p-values are less than 0.05 we can conclude that the variables HAPPYWB, ANXIOUS, LIFESAT and MEANING are significantly different between 2019-20 and 2020-21 at the 5% significance level.

Self-perceived life satisfaction by disability status

Table to compare life satisfaction score against whether theadult has difficulty with mental health in 2019-20

	ColPctN		
	Difficulty with mental health		
	Yes	No	None
How satisfied are you with your life nowadays?			
Not at all satisfied	4.23	1.03	0.43
1	2.79	0.70	0.21
2	4.46	1.35	0.32
3	6.51	1.71	0.64
4	7.75	2.39	1.18
5	16.98	10.34	4.71
6	13.18	8.16	5.72
7	17.37	16.63	14.77
8	16.44	29.12	34.78
9	5.66	13.92	17.87
Completely satisfied	4.61	14.65	19.37

Table to compare life satisfaction score against whether theadult has difficulty with mental health in 2020-21

	ColPctN		
	Difficulty with mental health		
	Yes	No	None
How satisfied are you with your life nowadays?			
Not at all satisfied	3.43	0.74	0.91
1	2.32	0.77	0.65
2	4.64	1.08	0.65
3	7.14	2.17	0.65
4	8.81	3.65	2.47
5	17.90	10.59	4.55
6	13.17	9.85	7.40
7	17.72	17.33	17.27
8	14.84	28.45	34.03
9	5.94	13.15	15.97
Completely satisfied	4.08	12.23	15.45

Self-perceived anxiousness by household income

Table to compare anxiousness score against the household incomeband of the adult in 2019-20

	ColPctN										
	Household Income Bands - Pub.										
	Under £200 a week	£200 and less than £400	4200 and less than £600	£600 and less than £800	£800 and less than £1,000	£1,000 and less than £1,200	£1,200 and less than £1,400	£1,400 and less than £1,600	£1,600 and less than £1,800	£1,800 and less than £2,000	Above £2,000
How anxious did you feel yesterday?											
Not at all anxious	31.90	32.97	34.34	33.48	34.08	35.00	32.87	34.12	32.40	31.03	33.95
1	8.50	7.47	8.71	10.17	9.86	11.07	11.73	11.77	12.40	11.11	13.58
2	13.46	12.58	12.38	13.16	14.72	13.81	14.34	16.22	14.13	13.00	13.90
3	7.54	8.20	7.98	8.43	8.04	8.47	8.69	8.41	9.60	10.06	9.14
4	6.58	5.48	5.68	5.58	6.19	5.72	5.94	4.65	6.40	8.39	6.73
5	8.80	10.48	9.19	9.88	8.88	8.42	8.40	8.61	9.20	8.39	7.30
6	5.15	5.15	5.03	4.92	5.59	4.59	4.78	4.85	5.87	4.19	5.20
7	5.80	6.13	5.60	5.71	5.59	5.58	5.36	5.04	4.80	5.87	4.82
8	6.70	5.79	5.95	4.23	4.44	4.97	4.13	3.76	2.80	4.82	3.30
9	1.97	2.67	2.65	2.25	1.33	1.56	2.24	1.68	1.60	1.68	1.52
Completely anxious	3.59	3.09	2.49	2.19	1.29	0.80	1.52	0.89	0.80	1.47	0.57

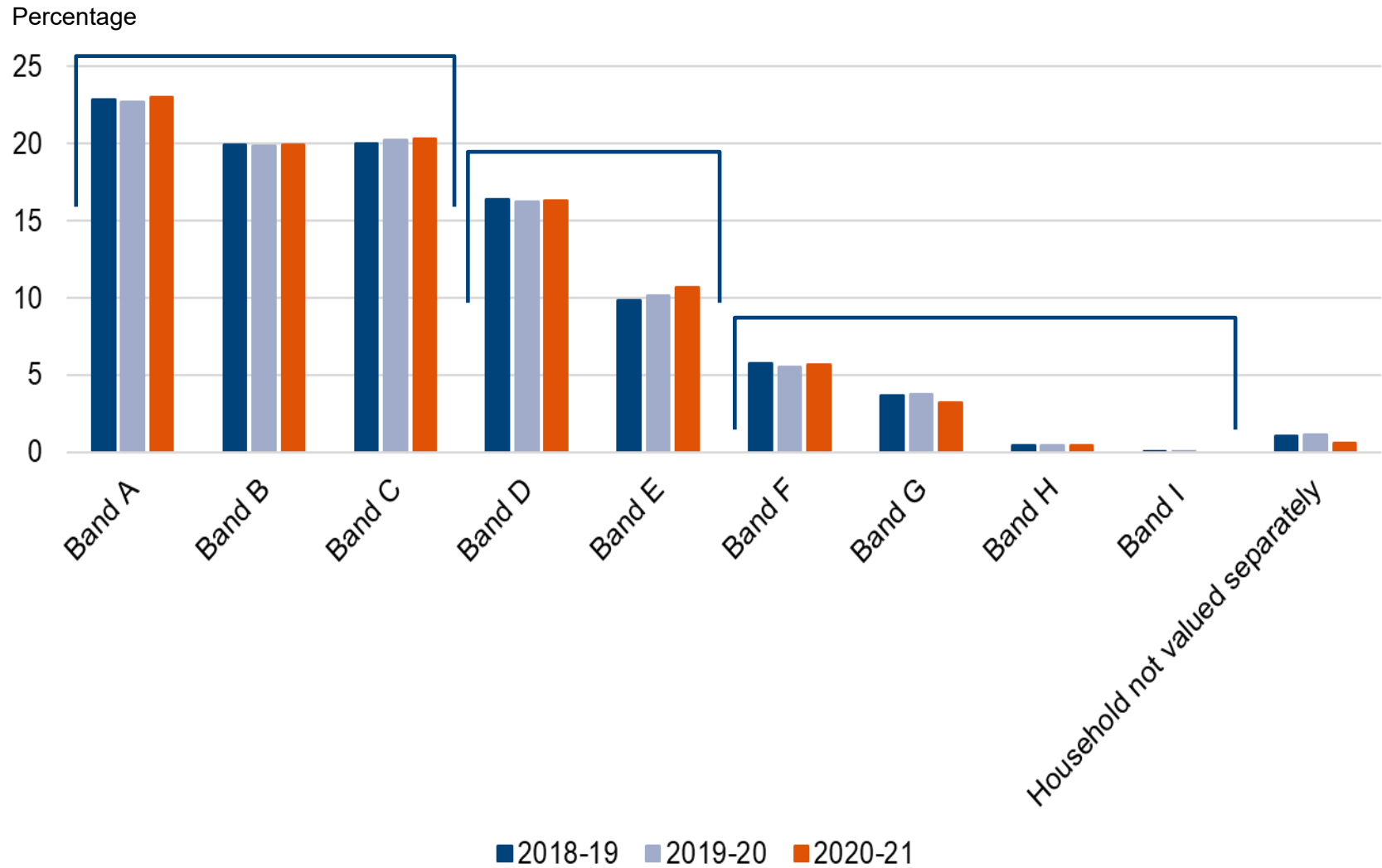## Table to compare anxiousness score against the household incomeband of the adult in 2020-21

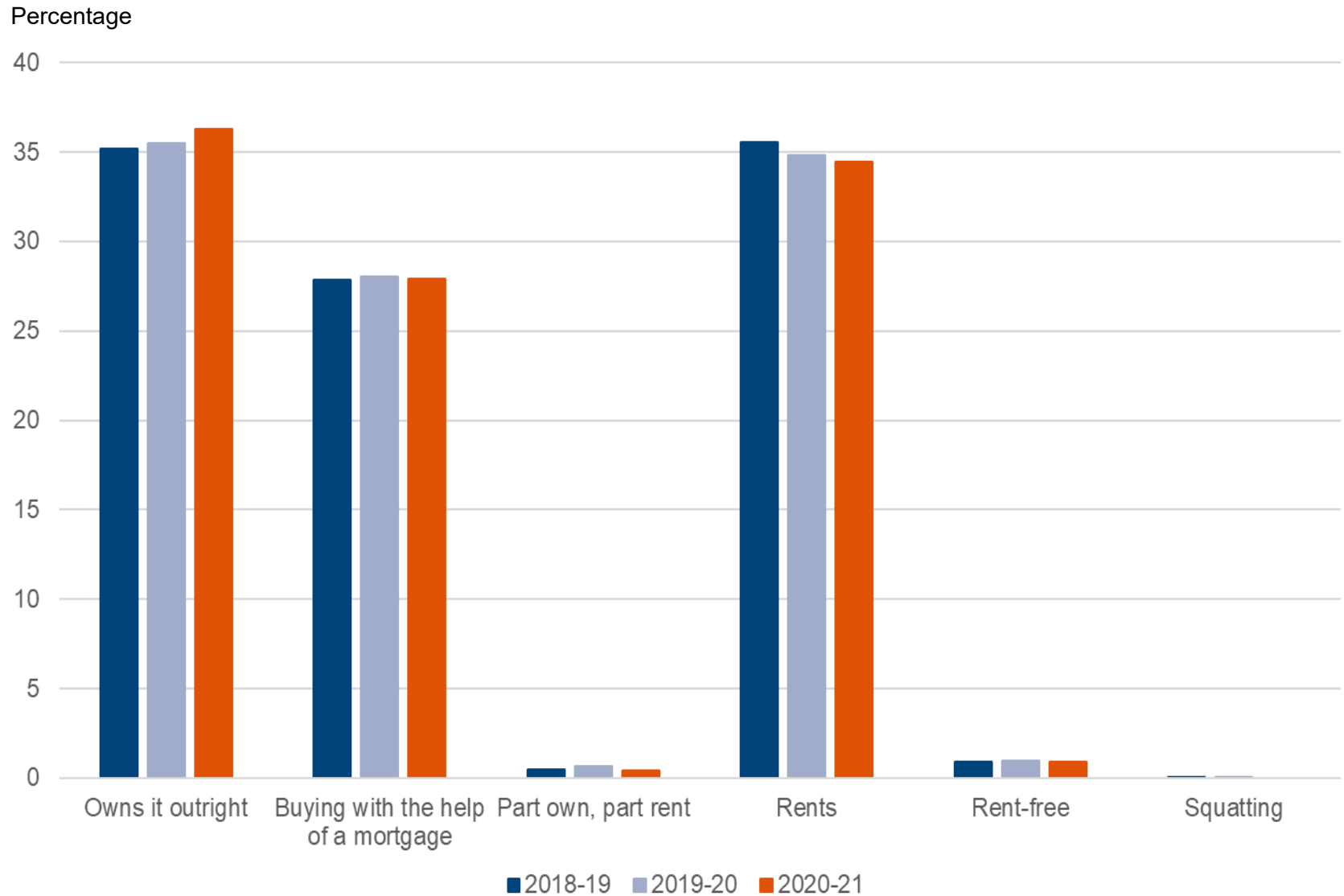|	ColPctN										
	Household Income Bands - Pub.										
	Under £200 a week	£200 and less than £400	4200 and less than £600	£600 and less than £800	£800 and less than £1,000	£1,000 and less than £1,200	£1,200 and less than £1,400	£1,400 and less than £1,600	£1,600 and less than £1,800	£1,800 and less than £2,000	Above £2,000
How anxious did you feel yesterday?											
Not at all anxious	29.92	33.48	31.26	33.79	31.41	32.88	28.87	25.98	24.04	25.52	25.91
1	7.31	7.80	8.84	10.57	11.80	9.22	12.76	9.17	13.81	10.69	11.19
2	12.90	10.88	12.96	14.13	14.27	13.61	18.17	18.34	18.16	14.48	17.81
3	8.91	7.53	9.26	6.30	9.40	9.41	8.76	10.36	8.95	12.76	9.02
4	6.52	6.82	5.99	6.30	6.17	6.85	6.19	9.00	6.39	6.55	5.82
5	12.23	10.30	10.55	8.71	8.44	8.58	8.51	8.66	9.72	10.34	10.16
6	4.65	5.04	5.68	6.35	5.42	5.48	5.93	6.45	5.88	5.86	6.96
7	5.85	5.62	5.45	5.26	5.49	5.84	5.54	5.60	6.39	5.86	6.05
8	7.31	7.18	5.49	5.26	4.46	5.30	3.35	4.07	4.35	4.14	4.34
9	2.26	2.67	2.30	1.64	1.58	1.37	1.55	1.19	0.77	2.76	1.60
Completely anxious	2.13	2.67	2.22	1.70	1.58	1.46	0.39	1.19	1.53	1.03	1.14

Rapid analysis

Research questions

1. How are FRS households distributed by tenure between 2018-19 and 2020-21?

2. How are FRS households distributed by Council Tax Band between 2018-19 and 2020-21?

3. How are FRS adult respondents distributed by highest level of qualification between 2018-19 and 2020-21?

FRS households by Council Tax Band between 2018-19 and 2020-21

Percentage

Legend: 2018-19, 2019-20, 2020-21

Bands: Band A, Band B, Band C, Band D, Band E, Band F, Band G, Band H, Band I, Household not valued separately

FRS households by tenure between 2018-19 and 2020-21

Percentage

Legend: 2018-19, 2019-20, 2020-21

Categories: Owns it outright, Buying with the help of a mortgage, Part own, part rent, Rents, Rent-free, Squatting

FRS adults by highest level of qualification between 2018-19 and 2020-21