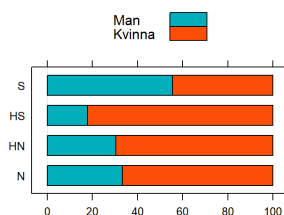


# Vedlegg 3: Statistiske testar

## 1. Kjønn

Fordeling:

##		Man	Kvinna
##	S	5	4
##	HS	5	23
##	HN	14	32
##	N	9	18



Hovedtesten:

```
## Pearson's Chi-squared test
##
## data: tabellKjønn
## X-squared = 4.9119, df = 3, p-value = 0.1784
```

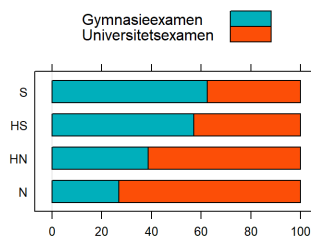
Post hoc-testen:

##	Dimension	Value	Man	Kvinna
##	1	N Residuals	0.43511923	-0.43511923
##	2	N p values	1.00000000	1.00000000
##	3	HN Residuals	0.08436218	-0.08436218
##	4	HN p values	1.00000000	1.00000000
##	5	HS Residuals	-1.62397624	1.62397624
##	6	HS p values	0.83504700	0.83504700
##	7	S Residuals	1.74595316	-1.74595316
##	8	S p values	0.64655300	0.64655300

## 2. Utdanning

Fordeling:

##		Gymnasieexamen	Universitetsexamen
##	S	5	3
##	HS	16	12
##	HN	17	27
##	N	7	19



Hovedtesten:

```
## Pearson's Chi-squared test
##
## data: tabellUtdanning
## X-squared = 6.6183, df = 3, p-value = 0.08511
```

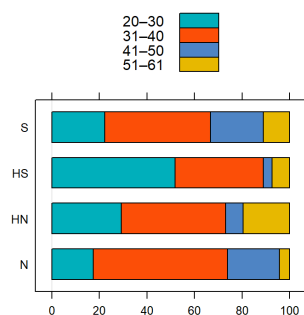
Post hoc-testen:

##	Dimension	Value	Gymnasieexamen	Universitetsexamen
##	1	N Residuals	-1.8441399	1.8441399
##	2	N p values	0.5213020	0.5213020
##	3	HN Residuals	-0.6696989	0.6696989
##	4	HN p values	1.0000000	1.0000000
##	5	HS Residuals	1.8333354	-1.8333354
##	6	HS p values	0.5340220	0.5340220
##	7	S Residuals	1.1930885	-1.1930885
##	8	S p values	1.0000000	1.0000000

## 3. Alder

Fordeling:

##		20-30	31-40	41-50	51-61
##	S	2	4	2	1
##	HS	14	10	1	2
##	HN	12	18	3	8
##	N	4	13	5	1



Hovedtesten:

```
## Pearson's Chi-squared test
##
## data: tabellAlder
## X-squared = 15.079, df = 9, p-value = 0.08878
```

Post hoc-testen:

##	Dimension	Value	20-30	31-40	41-50	51-61
## 1	N Residuals	-1.7115932	1.26575308	1.8758423	-1.2869789	
## 2	N p values	1.0000000	1.0000000	0.9708310	1.0000000	
## 3	HN Residuals	-0.4881695	-0.18391069	-0.9812229	1.9270848	
## 4	HN p values	1.0000000	1.0000000	1.0000000	0.8635050	
## 5	HS Residuals	2.5881654	-0.97343632	-1.4181807	-0.8595011	
## 6	HS p values	0.1543820	1.0000000	1.0000000	1.0000000	
## 7	S Residuals	-0.6591910	-0.03511886	1.1279454	-0.0860233	
## 8	S p values	1.0000000	1.0000000	1.0000000	1.0000000	

#### 4. År i Norge

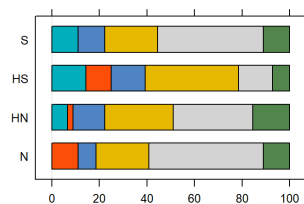
Fordeling:

##	A: Mindre än ett år	B: 1-3 år	C: 3-5 år	D: 5-10 år	E: 10-20 år	
##	S	1	0	1	2	4
##	HS	4	3	4	11	4
##	HN	3	1	6	13	15
##	N	0	3	2	6	13

F: Mer än 20 år

##	S	1
##	HS	2
##	HN	7
##	N	3

A: Mindre än ett år  
 B: 1-3 år  
 C: 3-5 år  
 D: 5-10 år  
 E: 10-20 år  
 F: Mer än 20 år



Hovedtesten:

```
## Pearson's Chi-squared test
##
## data: tabellÅr.i.Norge
## X-squared = 16.064, df = 15, p-value = 0.3778
```

#### 4.1 År i Norge - mindre grupper

Fordeling:

##	0-10 år	10 år -	
##	S	4	5
##	HS	22	6
##	HN	23	22
##	N	11	16

Hovedtesten:

```
## Pearson's Chi-squared test
##
## data: tabellÅr.i.Norge_to_grupper
## X-squared = 9.1856, df = 3, p-value = 0.02692
```

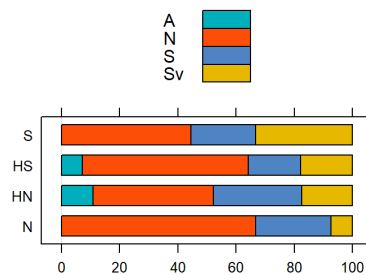
Post hoc-testen:

```
## Dimension Value 0-10 år 10 år -
## 1 N Residuals -1.7227921 1.7227921
## 2 N p values 0.6794090 0.6794090
## 3 HN Residuals -0.6924695 0.6924695
## 4 HN p values 1.0000000 1.0000000
## 5 HS Residuals 2.9029697 -2.9029697
## 6 HS p values 0.0295710 0.0295710
## 7 S Residuals -0.6675006 0.6675006
## 8 S p values 1.0000000 1.0000000
```

### 5. Partnar

Fordeling:

```
## A N S Sv
## N 0 18 7 2
## HN 5 19 14 8
## HS 2 16 5 5
## S 0 4 2 3
```



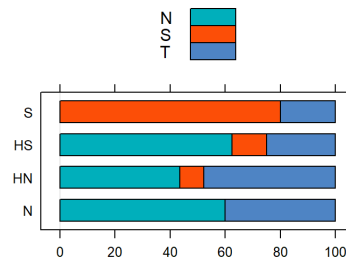
Hovedtesten:

```
## A N S Sv
## S 0 4 2 3
## HS 2 16 5 5
## HN 5 19 14 8
## N 0 18 7 2
##
## Pearson's Chi-squared test
##
## data: tabellPartnar
## X-squared = 10.261, df = 9, p-value = 0.3298
```

### 6. Språk barn snakker

Fordeling:

```
## N S T
## S 0 4 1
## HS 5 1 2
## HN 10 2 11
## N 6 0 4
```



Hovedtesten:

```
## Pearson's Chi-squared test
##
## data: tabellSpråk.barn.snakker
## X-squared = 20.57, df = 6, p-value = 0.002191
```

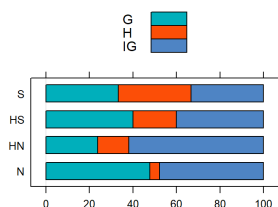
Post hoc-testen:

```
## Dimension Value N S T
## 1 N Residuals 1.0296555 -1.5144132 0.06369017
## 2 N p values 1.0000000 1.0000000 1.00000000
## 3 HN Residuals -0.2960051 -1.2314559 1.20843596
## 4 HN p values 1.0000000 1.0000000 1.00000000
## 5 HS Residuals 1.0525777 -0.2354295 -0.90101122
## 6 HS p values 1.0000000 1.0000000 1.00000000
## 7 S Residuals -2.1707591 4.2717608 -0.92840911
## 8 S p values 0.3593930 0.0002330 1.00000000
```

### 7. Län i Sverige

Fordeling:

##		G	H	IG
##	S	3	3	3
##	HS	10	5	10
##	HN	10	6	26
##	N	11	1	11



Hovedtesten:

```
## Pearson's Chi-squared test
##
## data: tabellLän.i.Sverige
## X-squared = 9.1392, df = 6, p-value = 0.1659
```

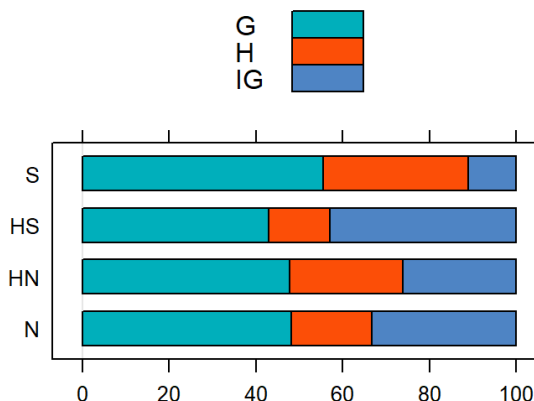
Post-hoc-testen:

##	Dimension	Value	G	H	IG
## 1	N Residuals	1.5541364	-1.6492888	-0.2932876	
## 2	N p values	1.0000000	1.0000000	1.0000000	
## 3	HN Residuals	-1.8946696	-0.2062399	1.9473805	
## 4	HN p values	0.6976340	1.0000000	0.6178700	
## 5	HS Residuals	0.6889118	0.7820377	-1.2151280	
## 6	HS p values	1.0000000	1.0000000	1.0000000	
## 7	S Residuals	-0.0669301	1.5955295	-1.0806461	
## 8	S p values	1.0000000	1.0000000	1.0000000	

### 8. Fylke

Fordeling:

##		G	H	IG
##	S	5	3	1
##	HS	12	4	12
##	HN	22	12	12
##	N	13	5	9



Hovedtesten:

```
## Pearson's Chi-squared test
##
## data: tabellFylke
## X-squared = 4.8794, df = 6, p-
value = 0.5594
```

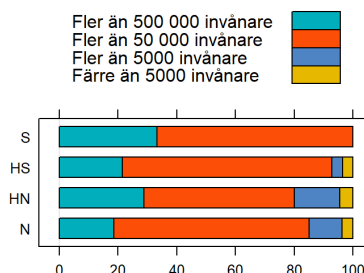
### 9. Storleik på bustad

Fordeling:

##	Fler än 500 000 invånare	Fler än 50 000 invånare	Fler än 5000 invånare
## S	3	6	0
## HS	6	20	1
## HN	13	23	7
## N	5	18	3

##	Färre än 5000 invånare
## S	0
## HS	1
## HN	2
## N	1



Hovudtesten:

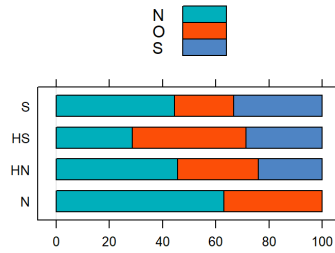
```
## Pearson's Chi-squared test
##
## data: tabellStørrelse
```

```
## X-squared = 6.3738, df = 9, p-value = 0.702
```

## 10. Flytta i framtida

Fordeling:

```
##      N O S
## S    4 2 3
## HS   8 12 8
## HN  21 14 11
## N   17 10 0
```



Hovedtesten:

```
## Pearson's Chi-squared test
##
## data: tabellFlytta.i.framtiden
## X-squared = 12.389, df = 6, p-value = 0.05383
```

Post-hoc-testen:

```
## Dimension      Value          N          O          S
## 1      N Residuals  2.10338189  0.3134362 -2.9909502
## 2      N p values  0.42518900  1.0000000  0.0333730
## 3      HN Residuals  0.03529123 -0.7686573  0.8698412
## 4      HN p values  1.00000000  1.0000000  1.0000000
## 5      HS Residuals -2.07803624  1.0712537  1.3132931
## 6      HS p values  0.45247200  1.0000000  1.0000000
## 7      S Residuals -0.06351171 -0.8113648  1.0436038
## 8      S p values  1.00000000  1.0000000  1.0000000
```

## 11. Korrelasjoner

### 11.1 Nasjonalitet

Korrelasjonstesten:

```
## Kendall's rank correlation tau
##
## data: df_korr$SpråkNumerisk and df_korr$Nasjonalitet
## z = 2.7912, p-value = 0.002626
## alternative hypothesis: true tau is greater than 0
## sample estimates:
##      tau
## 0.2404146
```

### 11.2 Land føretrekkjer

Korrelasjonstesten:

```
## Kendall's rank correlation tau
##
## data: df_korr$SpråkNumerisk and df_korr$Land.föredrar
## z = 3.2696, p-value = 0.0005384
## alternative hypothesis: true tau is greater than 0
## sample estimates:
##      tau
## 0.2629734
```

### 11.3 Kontakt med Sverige

Korrelasjonstesten:

```
## Kendall's rank correlation tau
```

```
##
## data: df_korr$SpråkNumerisk and df_korr$Kontakt.med.Sverige
## z = 1.4166, p-value = 0.0783
## alternative hypothesis: true tau is greater than 0
## sample estimates:
##      tau
## 0.1193569
```

#### 11.4 Nyheiter

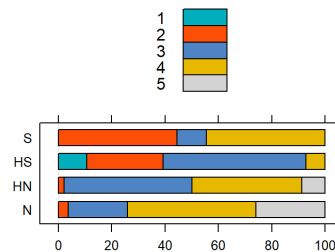
Korrelasjonstesten:

```
## Kendall's rank correlation tau
##
## data: df_korr$SpråkNumerisk and df_korr$Nyheter
## z = 3.1026, p-value = 0.0009592
## alternative hypothesis: true tau is greater than 0
## sample estimates:
##      tau
## 0.2512994
```

#### 11.5 Snakka og skriva

Fordeling:

```
##
##      1 2 3 4 5
## S 0 4 1 4 0
## HS 3 8 15 2 0
## HN 0 1 22 19 4
## N 0 1 6 13 7
```



kjikkvadrat-testen:

```
##
## Pearson's Chi-squared test
##
## data: tabellSnacka
## X-squared = 52.202, df = 12, p-value = 0.0000005709
```

Post-hoc-testen:

```
## Dimension      Value      1      2      3      4      5
## 1      N Residuals -1.0016314 -1.619610 -2.170756 1.7111920 3.1755768
## 2      N p values 1.0000000 1.000000 0.598992 1.0000000 0.0299080
## 3      HN Residuals -1.4888605 -2.815588 1.420445 1.2638499 -0.3865961
## 4      HN p values 1.0000000 0.097376 1.000000 1.0000000 1.0000000
## 5      HS Residuals 3.0053357 2.913604 1.697807 -3.5317894 -2.0429003
## 6      HS p values 0.0530580 0.071456 1.000000 0.0082550 0.8212460
## 7      S Residuals -0.5242346 2.979507 -1.846214 0.6517521 -1.0436038
## 8      S p values 1.0000000 0.057743 1.000000 1.0000000 1.0000000
```

Korrelasjonstesten

```
##
## Kendall's rank correlation tau
##
## data: julia$SpråkNumerisk and julia$Snacka
## z = 5.5618, p-value = 0.00000001335
## alternative hypothesis: true tau is greater than 0
## sample estimates:
##      tau
## 0.4575787
```