

**A CLOSER LOOK AT
2017 ELECTION**

Freie Demokraten

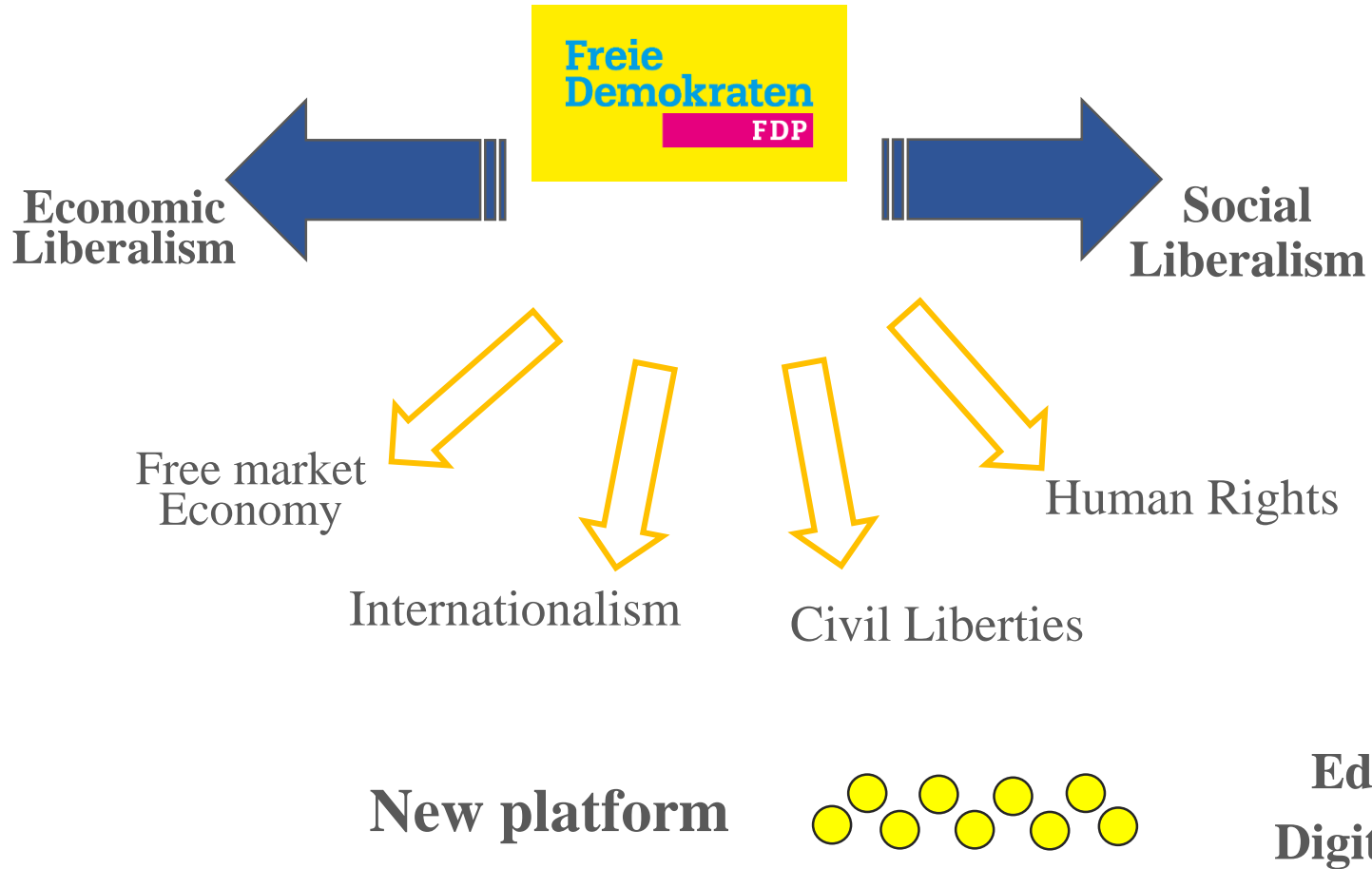
Karthik Kannepalli

November 2019

The FDP logo consists of a solid magenta rectangular box. Inside the box, the letters 'FDP' are written in a bold, white, sans-serif font, positioned towards the right side of the box.

FDP

Fact sheet



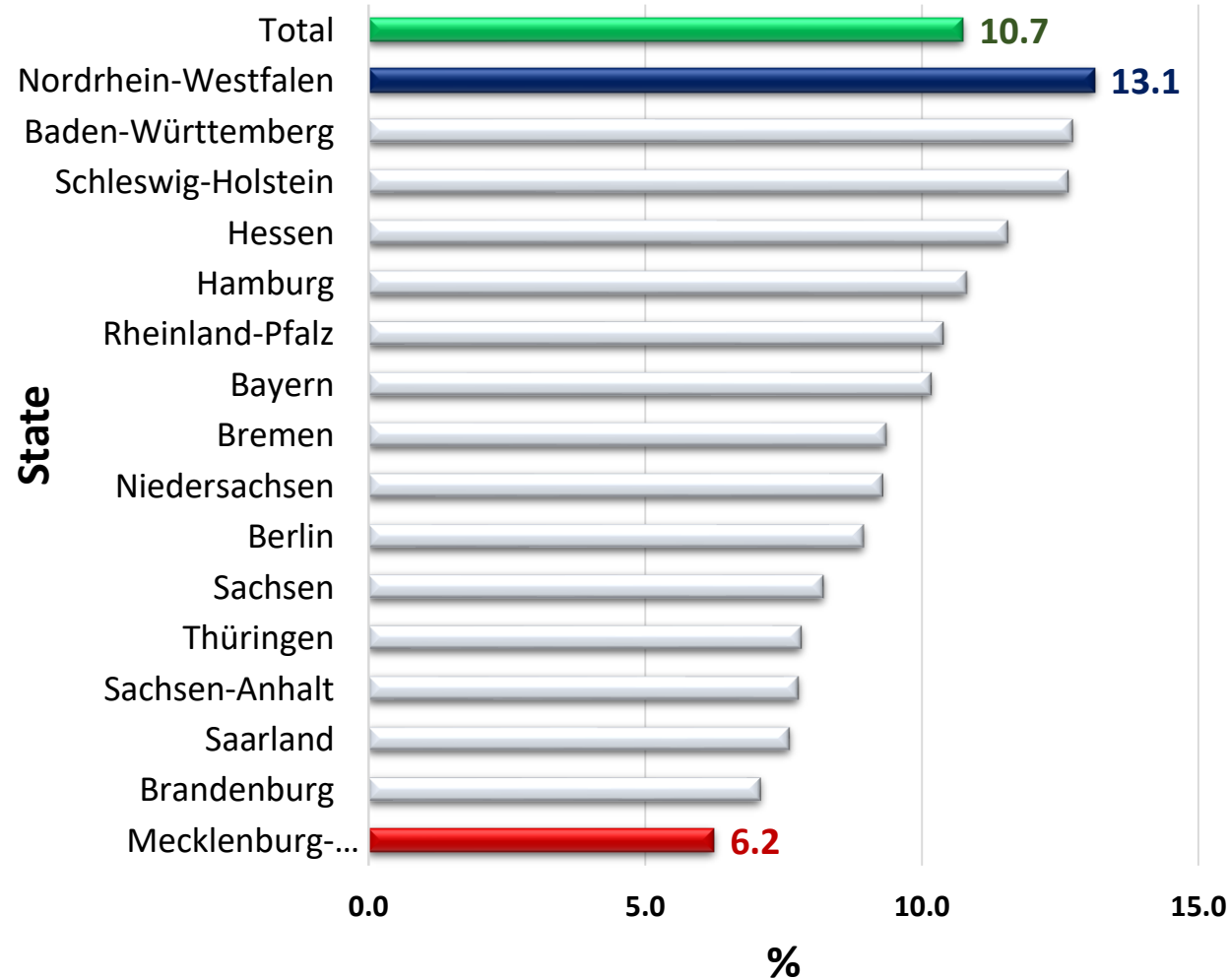
Founded:
12 December
1948

Chairman:
Christian
Lindner

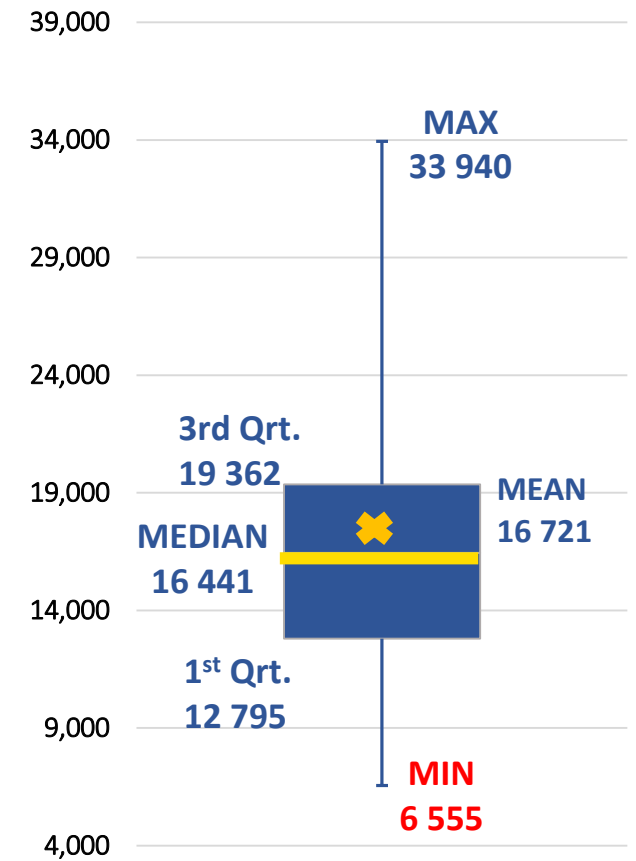


Descriptive statistical information

Share of votes for FDP out of valid votes by state

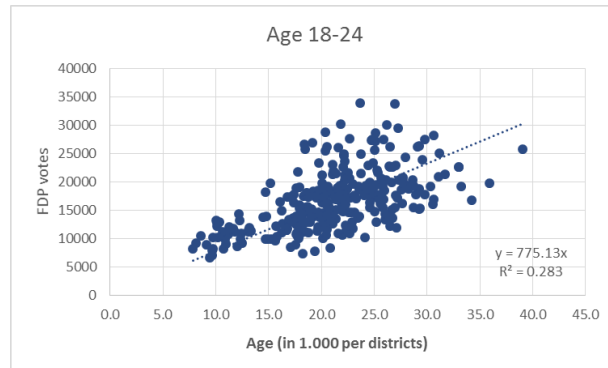


Distribution of the FDP votes by districts



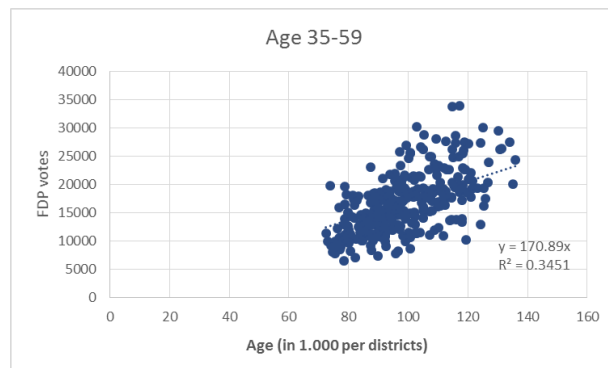
Statics Breakdown: scatterplots, parameters correlation

1



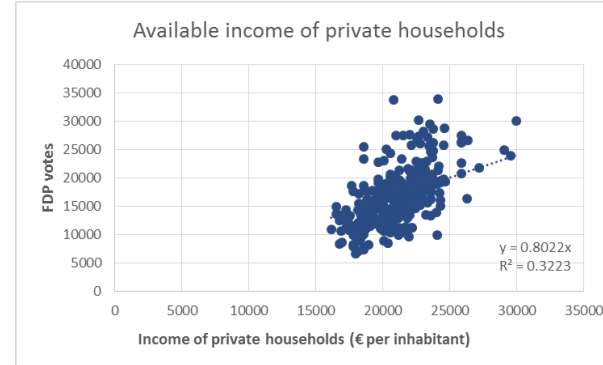
Age 18-24 vs. FDP voters	
Correlation	0.58
P-value	1.96E-28

2



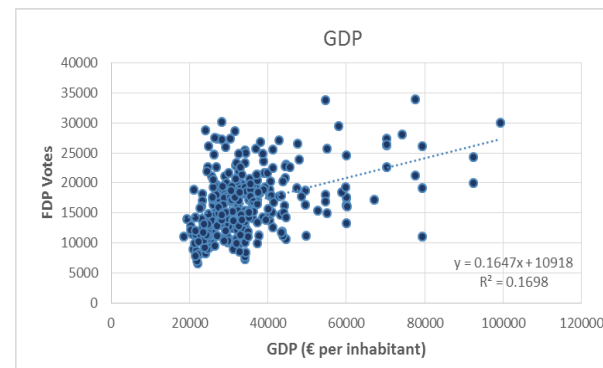
Age 35-59 vs. FDP voters	
Correlation	0.61
P-value	1.7E-31

3



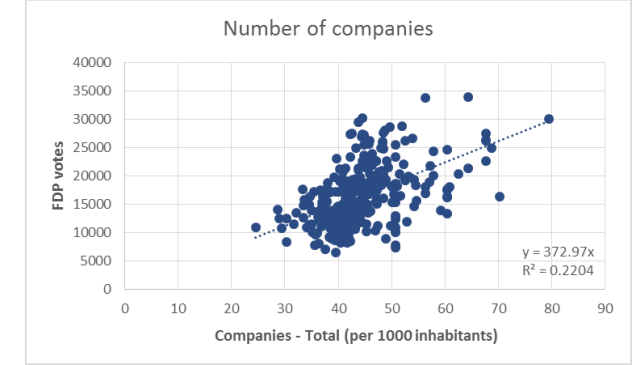
Available income of private households	
Correlation	0.63
P-value	1.87E-34

4



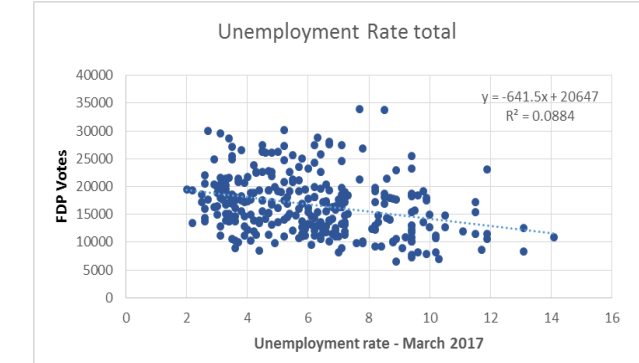
GDP (€ per inhabitant)	
Correlation	0.41
P-value	1.03E-13

5



Companies (per 1.000 inhabitants)	
Correlation	0.47
P-value	4.24E-18

6



Unemployment rate	
Correlation	-0.3
P-value	1.55E-07

Multi-regression Analysis

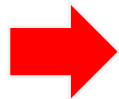
Regression Analysis: Number of votes versus Age (35-59), Income, Migration

Model Summary

Multiple R	R-sq	R-sq (adj)	Standard error
78%	61.8%	61.3%	3255.5

Coefficients

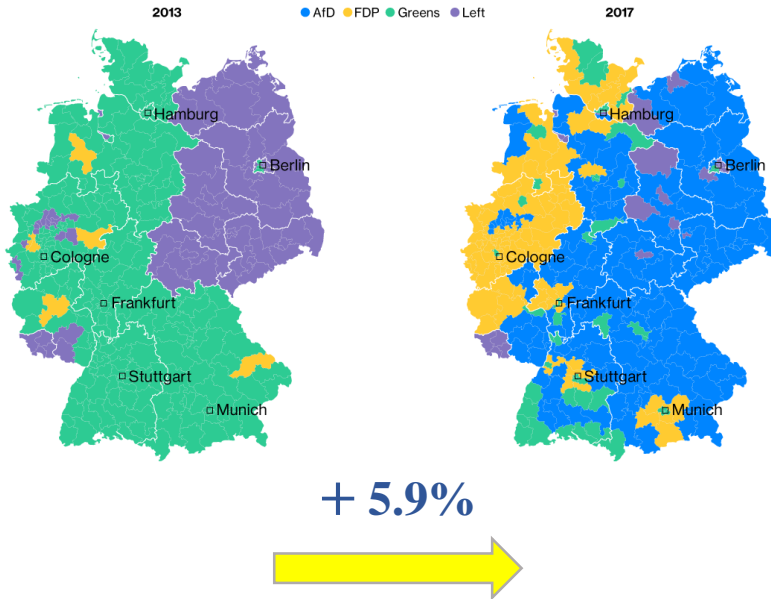
Term	Coefficient	Standard error Coef.	T-Stat	P-value
<i>Intercept</i>	-27255.7	2780	-9.8	0.000
<i>Age - 35-59</i>	119.68	17.4	6.86	0.000
<i>Income of private households (€ per inh-t)</i>	1.21	0.11	10.9	0.000
<i>Age 18-25</i>	211.8	44.8	4.72	0.006
<i>Unemployment rate</i>	341.6	102.1	3.35	0.000



Regression Equation

FDP votes = -27255.6 + 1.21*Income + 119.8 *Age (35-39) + 211.8 Age + 341.8*Unemployment

A closer look at the results



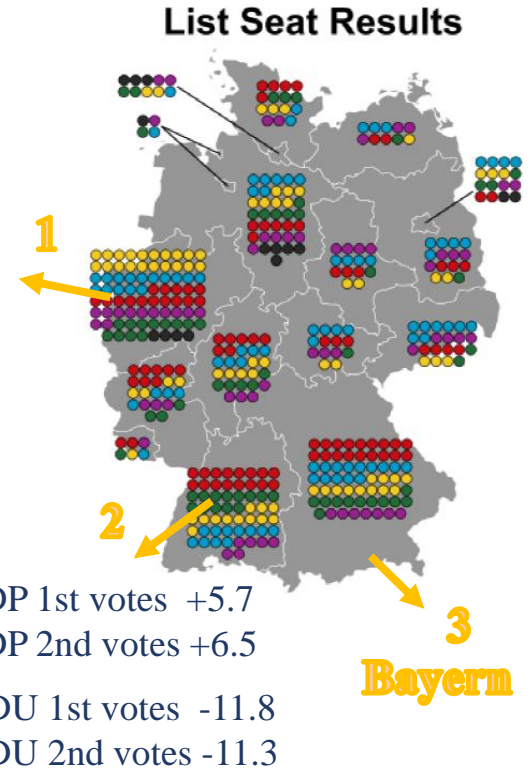
- 38.6% university qualification
- 27.4% employed in industries
- 28.2% employed in services and others
- *****
- Population growth upon immigrations : 14,800
- Foreigner population: 11.8%
- *****
- Unemployment rate 7.6%
- Recipients of unemployment benefit II and of social allowance: 96,100
- Foreigners receiving social benefit allowance: 33%

- 29.4% university qualification
- 35.9% employed in industries
- 24.0% employed in services and others
- *****
- Population growth upon immigrations : 15,700
- Foreigner population: 13.9%
- *****
- Unemployment rate 3.7%
- Recipients of unemployment benefit II and of social allowance: 43,400
- Foreigners receiving social benefit allowance: 39.1%

1st populated
1st youngest (18.24 , 35-59)
1st available income
1st sum of companies
1st sum of employed
1st rate of unemployment

FDP 1st votes +5.6
FDP 2nd votes +7.9

CDU 1st votes -5.5
CDU 2nd votes -7.1



3rd populated
3rd youngest (18.24 , 35-59)
3rd available income
3rd sum of companies
3rd sum of employed
3rd rate of unemployment