EMOS
GET YOUR MASTER'S DEGREE IN OFFICIAL STATISTICS AND START AN EXCITING CAREER
EUROPEAN MASTER IN OFFICIAL STATISTICS
EMOS

EMOS: 33 European Universities in 19 countries

The EMOS Certificate

- Label provided European Statistical System (ESS) and the European System of Central Banks, Supported by Eurostat.
- In Germany: Trier, Bamberg, Berlin (Ma Statistics) linked by cooperation in Survey Statistics, Dortmund, LMU München
- In Berlin: Extra Certificate, stating your experience and knowledge in Official Statistics
- Mandatory internships and master thesis in the field of Official Statistics plus 50 ECTS on modules related to Official Statistics (so-called Learning Outcomes)

Intentions of EMOS

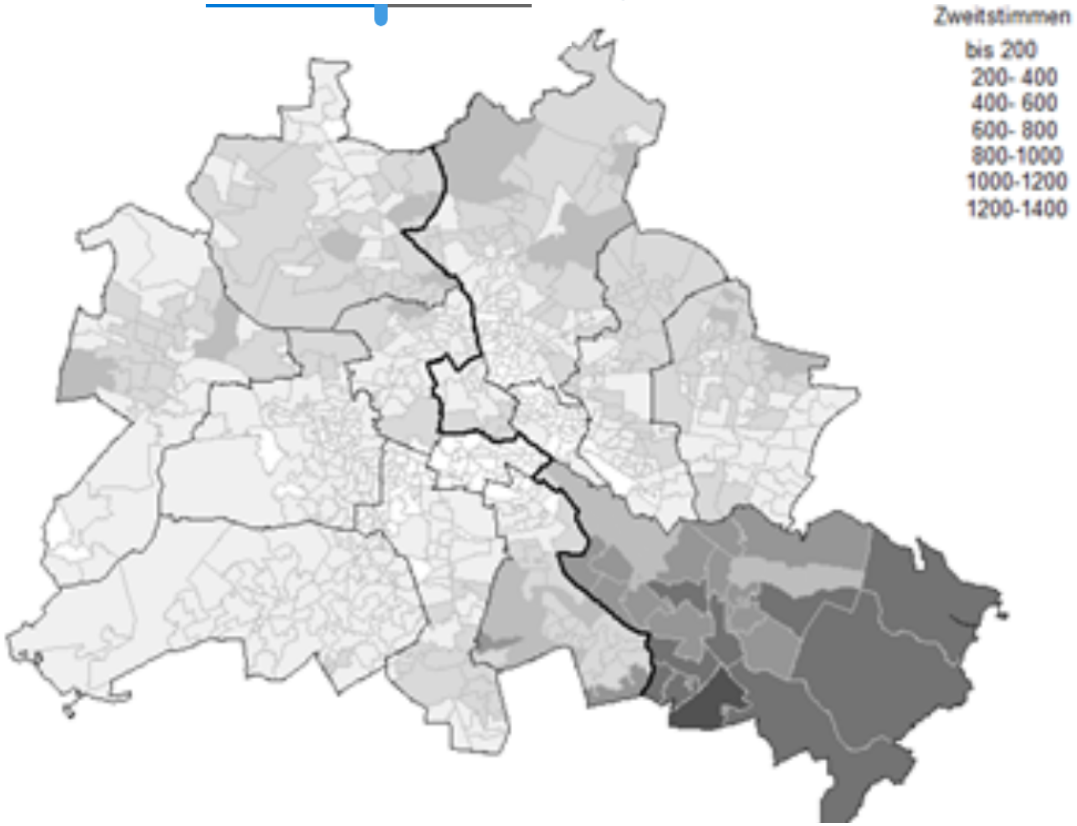
- Training: Official Statistics should be represented in statistical curricula
- Recruiting: already 3 participants have a job at the Amt für Statistik Berlin-Brandenburg
- Capacity building for higher education levels in the ESS

What does EMOS offer to students?

- Webinars on recent development and topics in Official Statistics (Youtube channel)
- Learning materials
- Master Thesis Competition: The winners give a presentation at the New Techniques and Technologies for Statistics (NTTS) Conference
- Special events: Participation in the European Big Data Hackathon
- EMOS homepage: `https://ec.europa.eu/eurostat/cros/content/emos_en`

Some examples: Voting maps (Berliner Abgeordneten Haus)

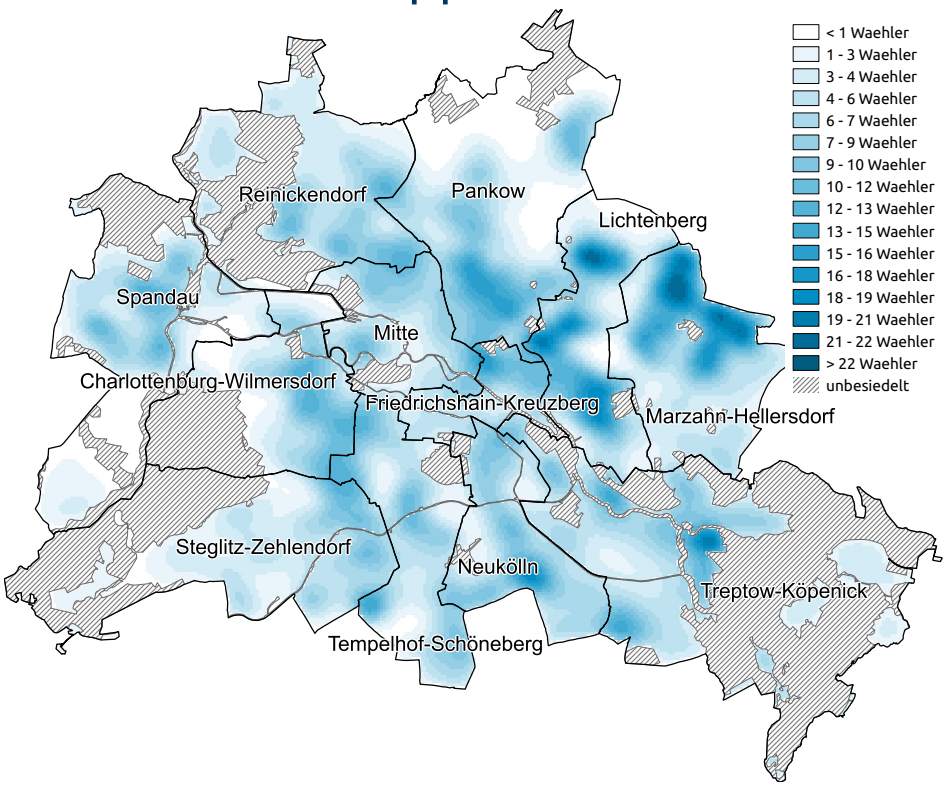
A standard map of voting results: No. of voters in election district



Is the South-east of Berlin the center of AfD voters?

Some examples: An alternative voting map (Berliner Abgeordneten Haus)

An alternative approach: Number of voters per pixel



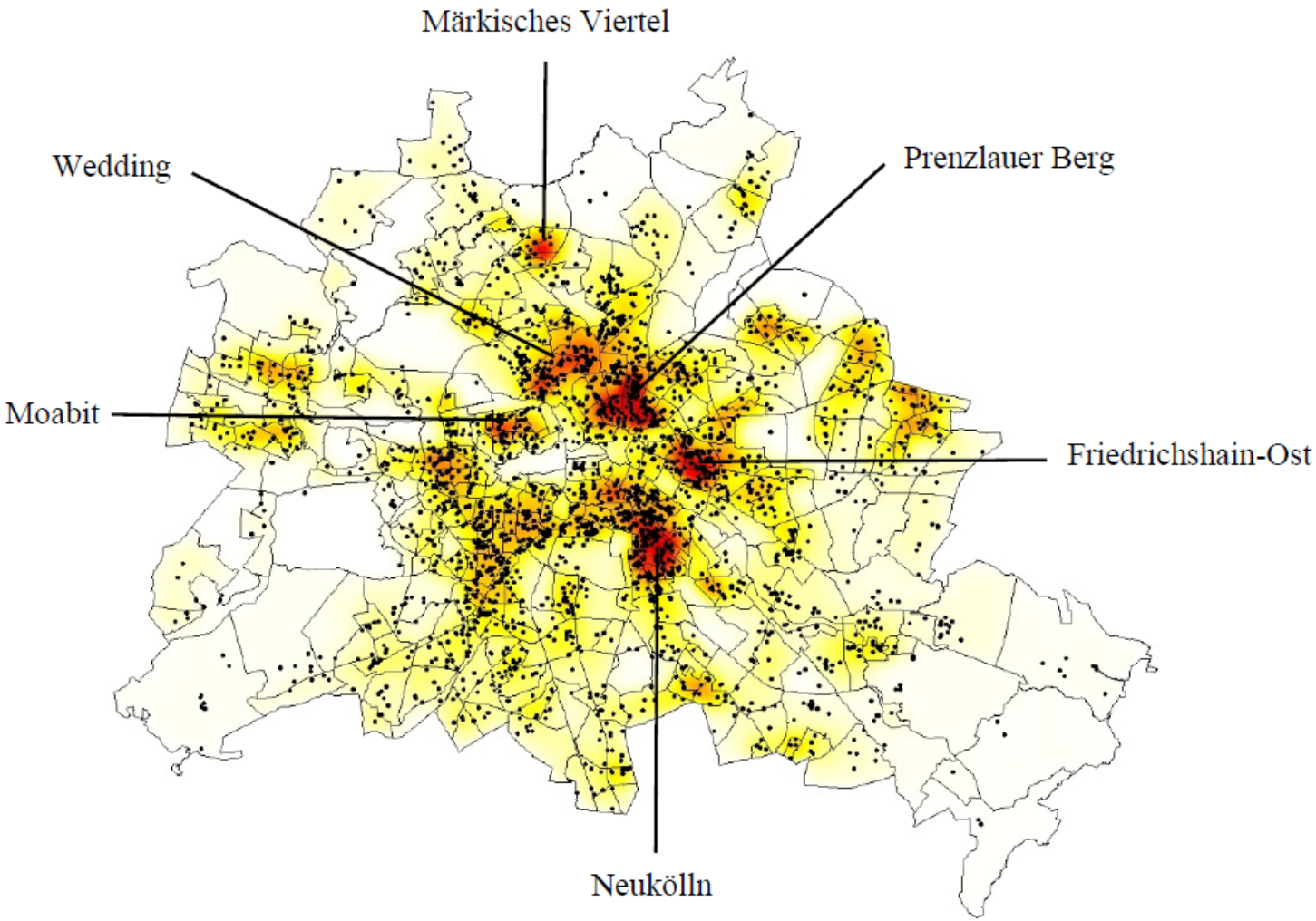
There are AfD hotspots located in East **and** West-Berlin

The master thesis of Kerstin Erfurth was honoured: EMOS-Award + award of the Statistisches Bundesamt (Gerhard Fürst Preis)

Kerstin now works for the AfS (Statistical Office)

New directions in Official Statistics: Service maps

The distribution of children and the Kindergardens

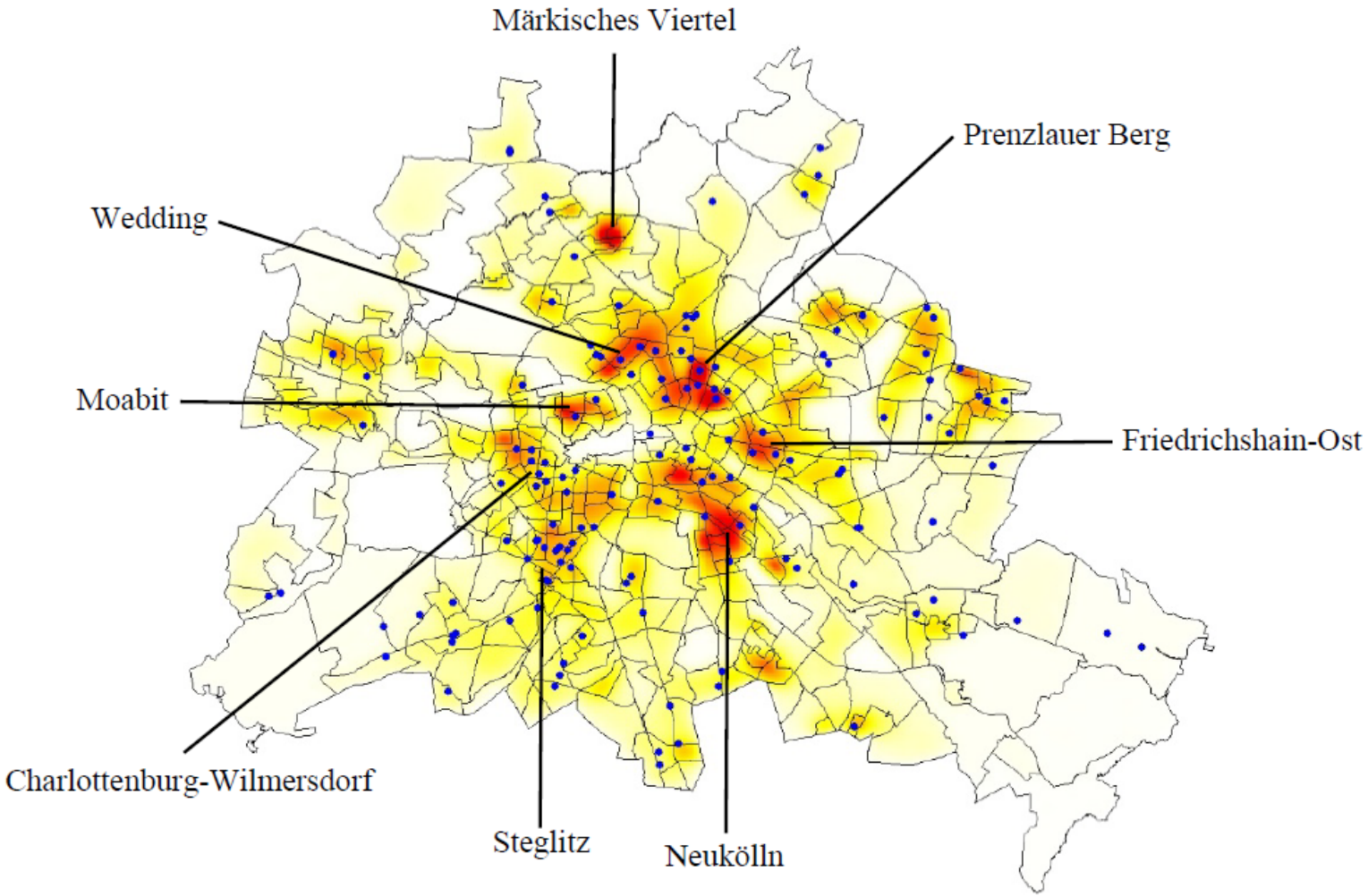


Example of a good match.

New directions in Official Statistics: Service maps

The distribution of children and the Pediatrists (Kinderarzt)

8. Beispiel Kinderarztpraxen



Example of a bad match.

Forthcoming topics

- Validity checks of the Berlin rent index (Mietspiegel) by the Micro Census (Mikrozensus) and register data.
- Use of mobile phone data for Official Statistics
- Use of R Shiny applications for Official Statistics
- Use of Small Area Statistics for regional analysis
- ⋮

How to achieve the EMOS certificate?

- Internship at an Statistical Office (Contact ulrich.rendtel@fu-berlin.de)
- Master thesis in collaboration with Stat. Office (Contact Prof. Rendtel)
- Mandatory Module: Module 8 Official Statistics (6 ECTS)
  - Online lecture from Uni Bamberg **starting at 5. Nov. (Donnerstag 12-14h)**
  - Enroll to Virtueller Campus at Uni Bamberg: `https://vc.uni-bamberg.de/moodle/`
  - Enroll to module. No password is needed: `https://vc.uni-bamberg.de/course/view.php?id=44007` Slides, links, dates, contacts, material will be there! Inform Prof. Rendtel by email about your participation
- General information on 50 ECTS Learning Outcomes, Webinars, EMOS homepage: **Search for "EMOS Rendtel"** to find `https://www.wiwiss.fu-berlin.de/fachbereich/vwl/ls_rendtel/EMOS/index.html`