PROJECT FOR INFORMATION VISUALIZATION

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SELECTED DATA SET

- Unemployment Rate of residence (15-65 y/o) in Munich based on the city districts (2000-2015)
- Useful Features:

1. Category of RES. (female, male, foreigner, german, total)
2. Population by city districts (int) based on Categ. of RES & c.d.
3. Unemployed by city districts (int) based on Categ. of RES & c.d.
4. Ratio: U/T (float)
5. City districts (string & int)
6. Year (int)

- Evtl. Merging the „Unemployment“ data set.

CHALLENGES

- Preprocessing the complex dataset (data cleaning)
    1. Removing redundant features
    2. Constructing additional tables based on the original table
    3. Aggregating tables
- Applying statistical methods (12 features x 2080 items!)
- Finding the relation between the features due to our Vis.
- Getting familiar with D3.js and even JavaScript.
- Designing meaningful and expressing visualization

IMPORTANT ASPECTS

- Visualizing:
    1. unemployed citizens based on the city districts
    2. women unemployment,
    3. foreigners unemployment
    4. foreigners vs. germans
    5. women vs. men
    6. the trend from 2000 to 2015

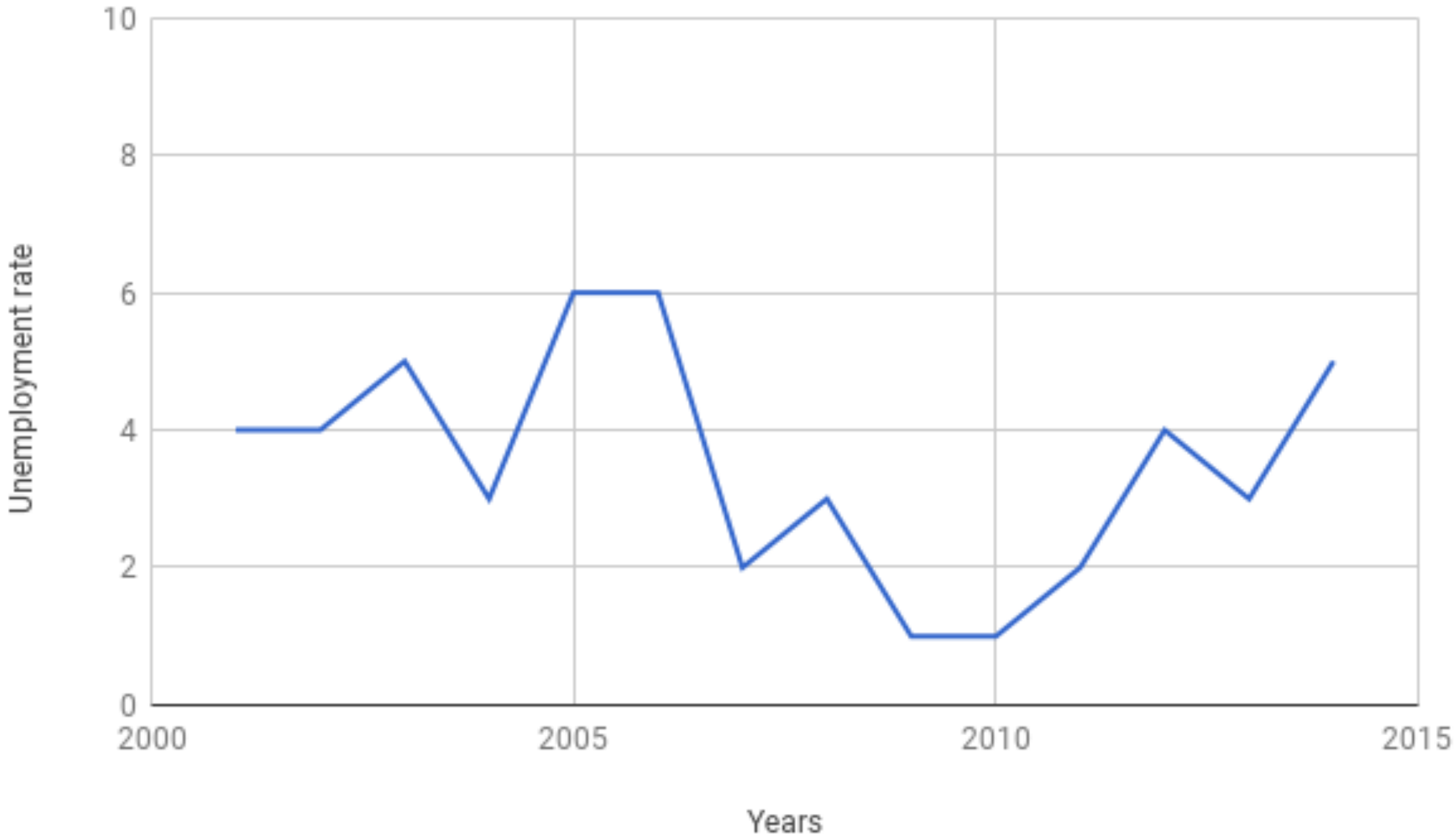
- Merging „Unemployment“ data set

VISUALIZATION CONCEPTS

Colors not decided yet!

Data not valid!

Trends



Interactive Components

Total *Men* *Women* *Foreigner* *German*

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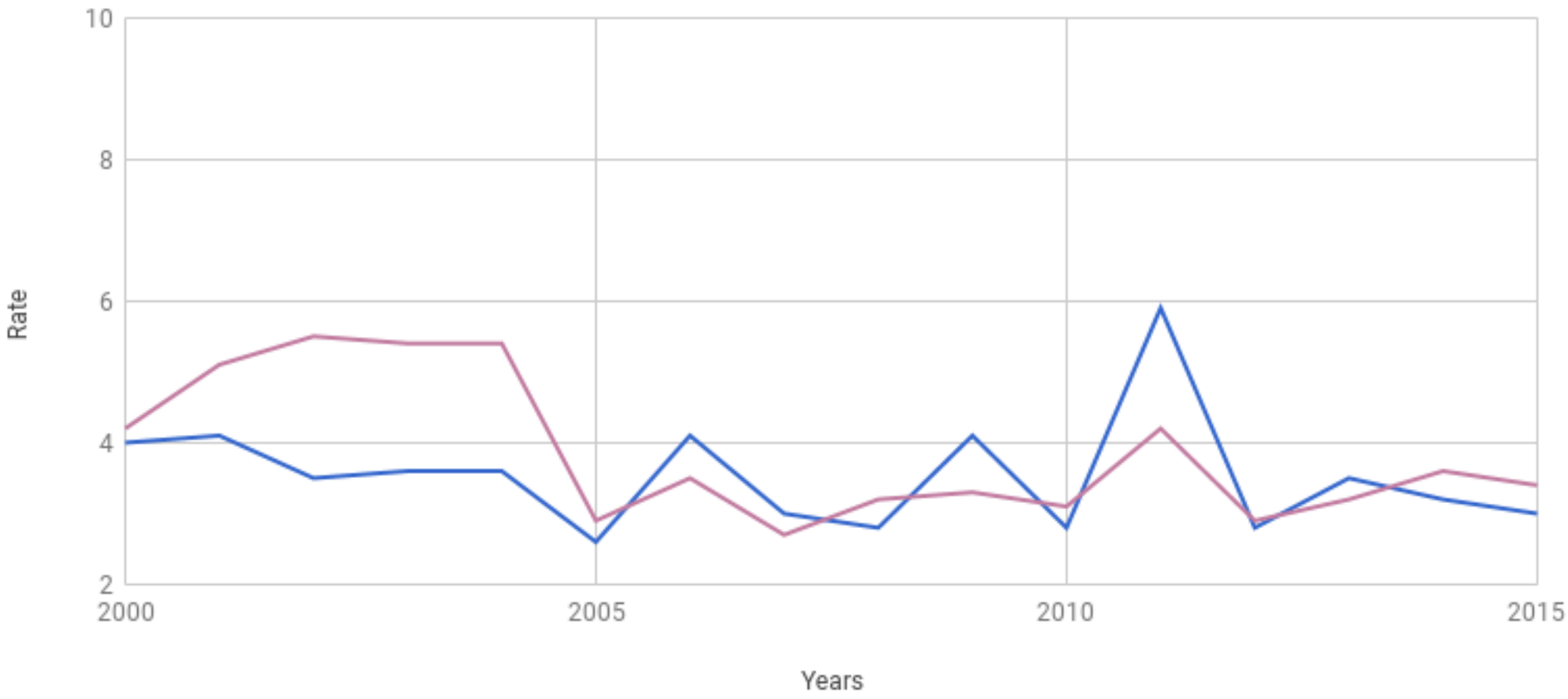

Interactive Components

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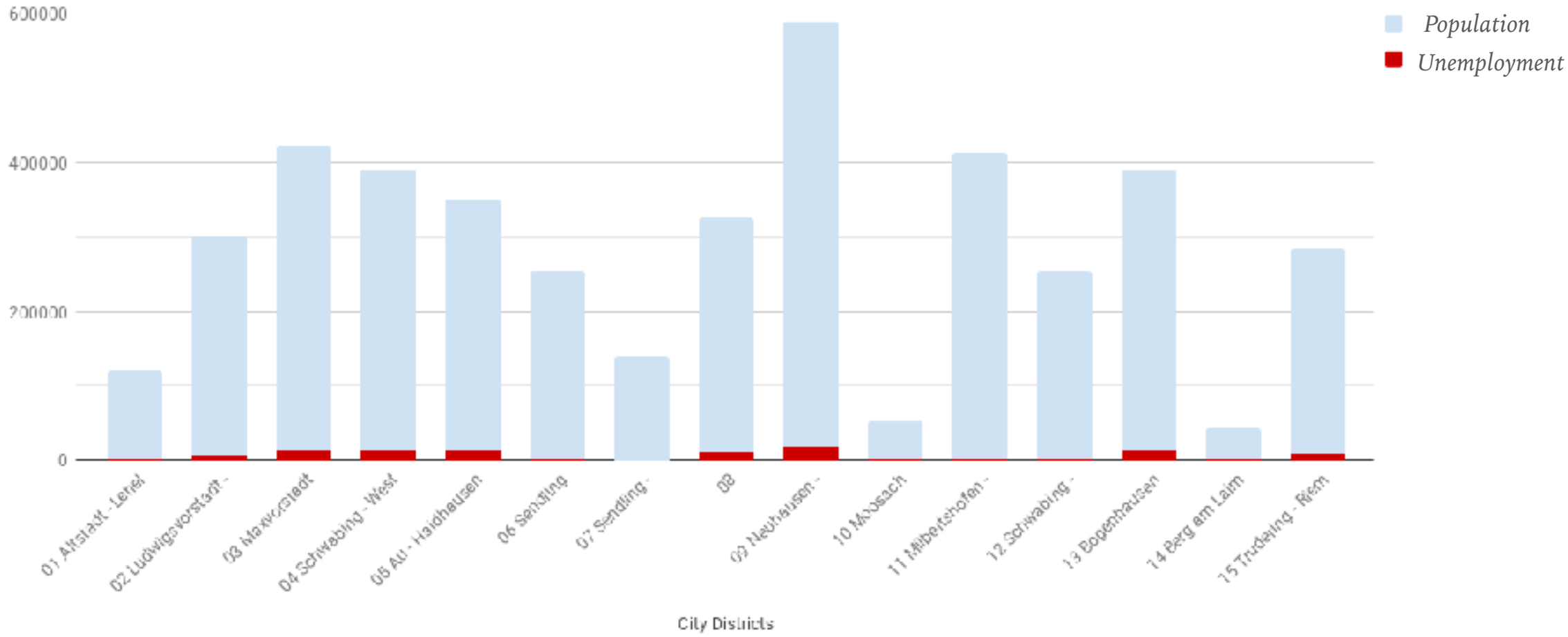

Interactive Components

Total *Men* *Women* *Foreigner* *German*

2015

VISUALIZATION CONCEPTS

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Details

Women: …

Men: …

Foreigner: …

German: …

Total: …

Interactive Components

Total *Men* *Women* *Foreigner* *German*

2015