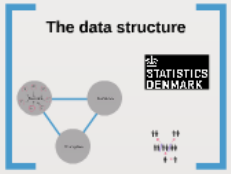

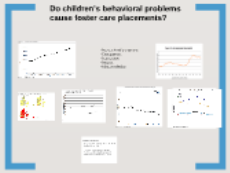

Knowledge of Children Generated through Linked Data in Denmark

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Yale University

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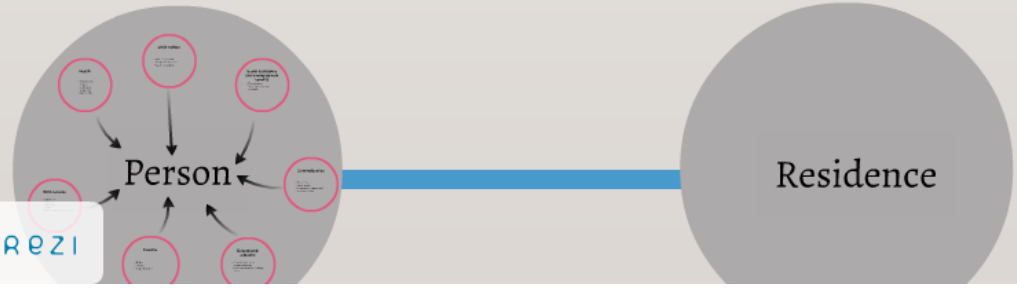
The data structure

STATISTICS DENMARK



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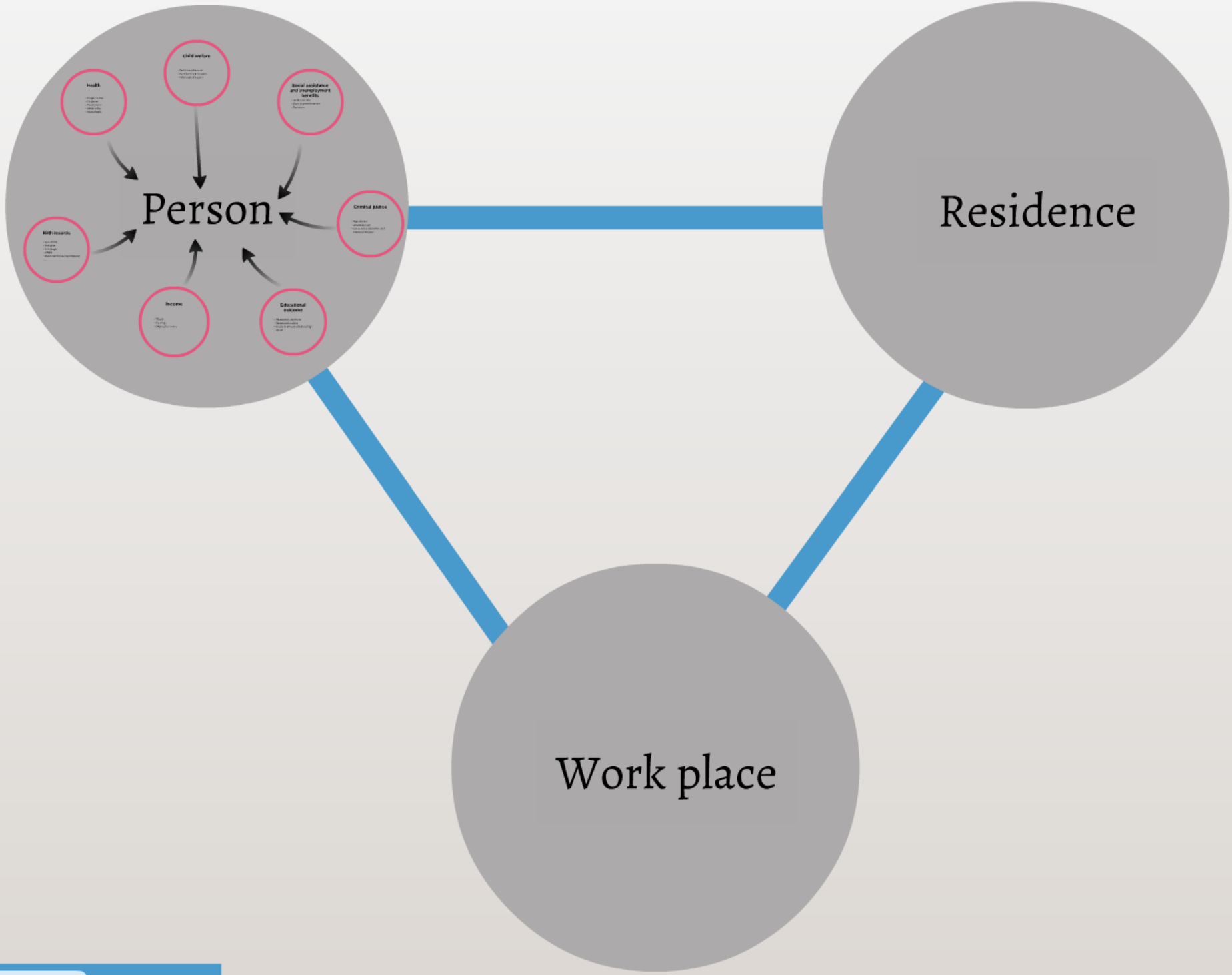
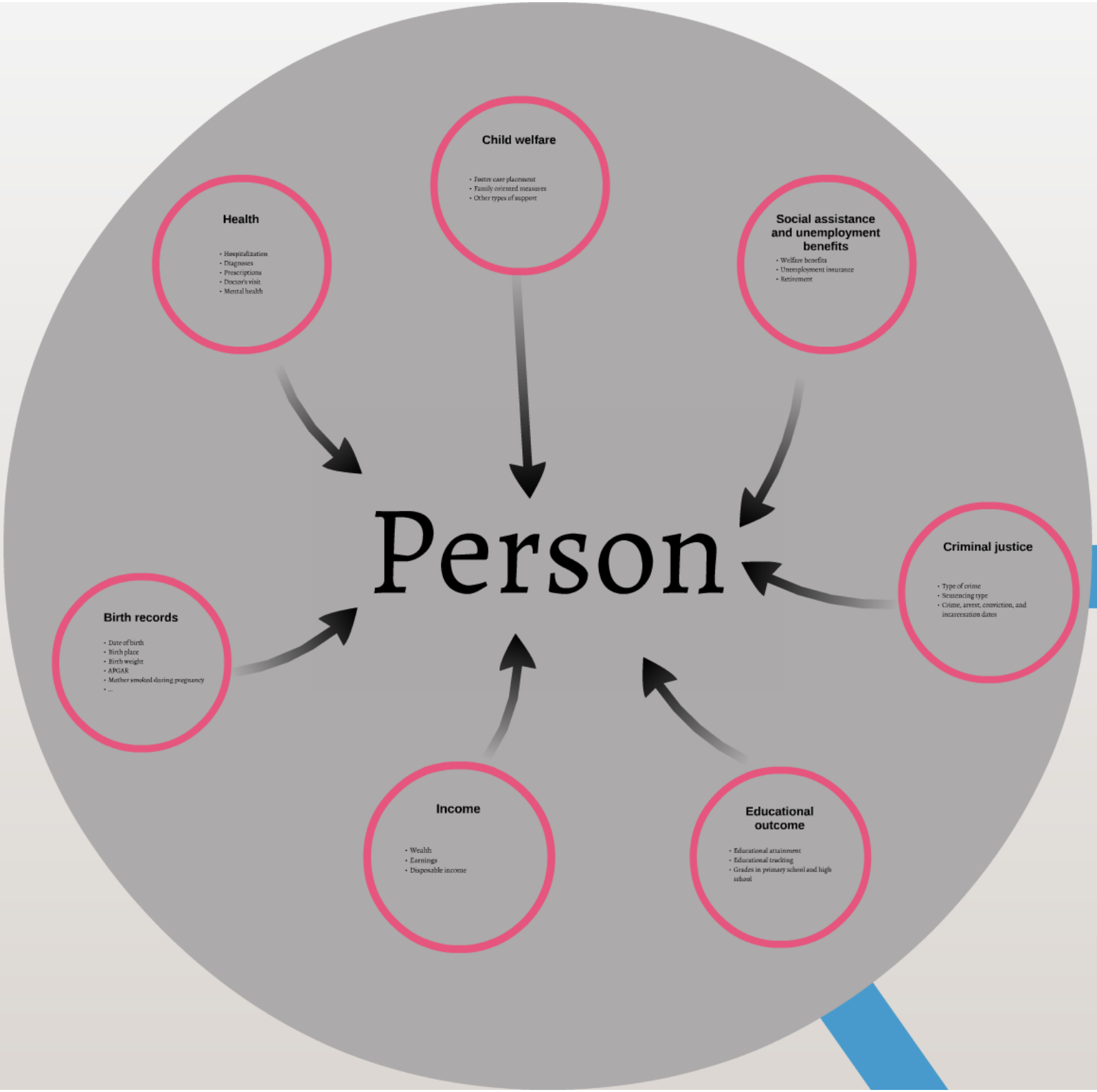

Person
Residence
Work place


Person
Child welfare
• Foster care placement
• Family oriented measures
• Other types of support
Health
• Hospitalization
• Diagnoses
• Prescriptions
• Doctor's visit
• Mental health
Social assistance and unemployment benefits
• Welfare benefits
• Unemployment insurance
• Retirement
Criminal justice
• Type of crime
• Sentencing type
• Crime, arrest, conviction, and incarceration dates
Birth records
• Date of birth
• Birth place
• Birth weight
• APGAR
• Mother smoked during pregnancy
• ...
Income
• Wealth
• Earnings
• Disposable income
Educational outcome
• Educational attainment
• Educational tracking
• Grades in primary school and high school

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Birth records

- Date of birth
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Social assistance and unemployment benefits

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- Type of crime
- Sentencing type
- Crime, arrest, conviction, and incarceration dates

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Educational outcome

- Educational attainment
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Income

- Wealth
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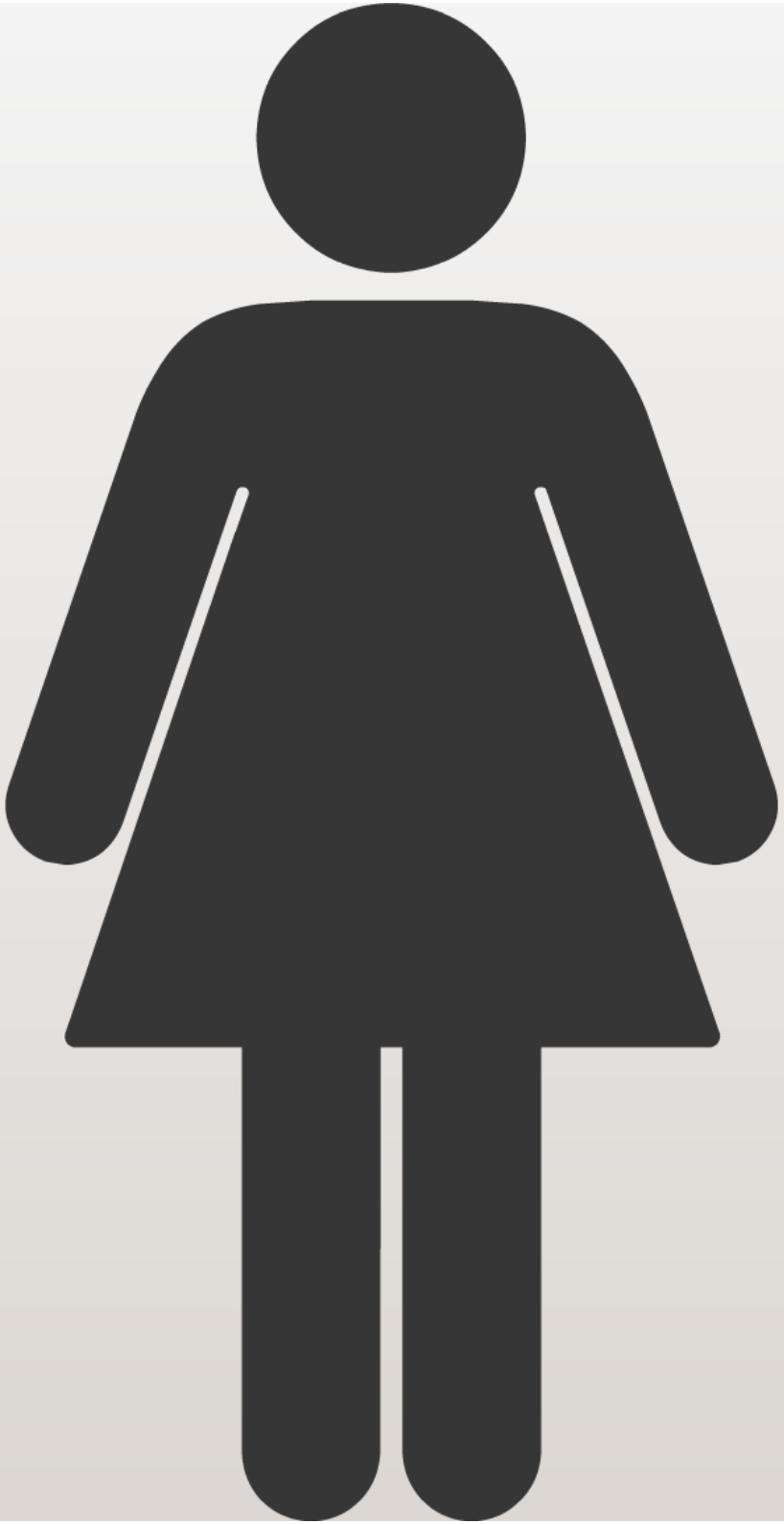

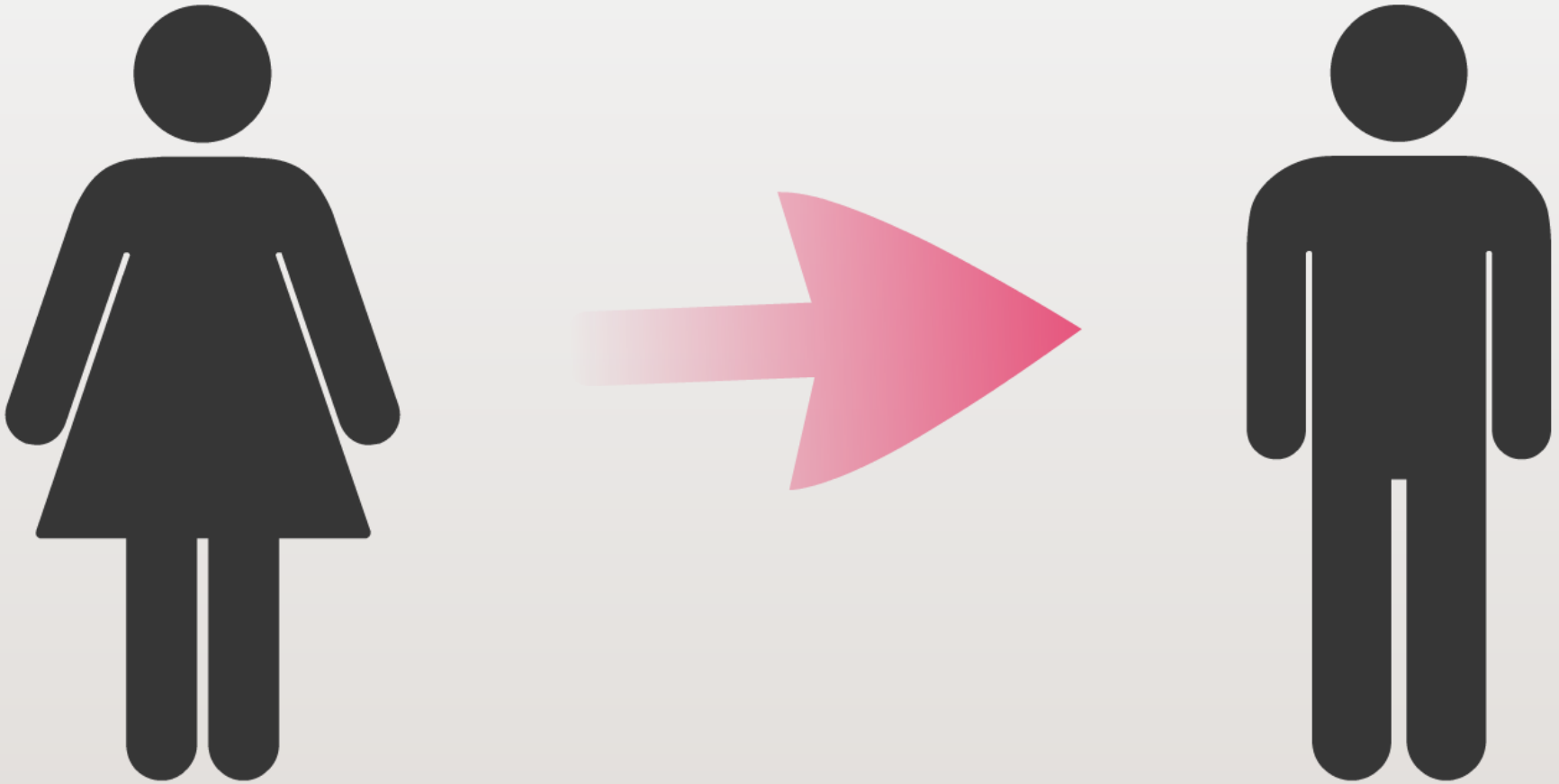

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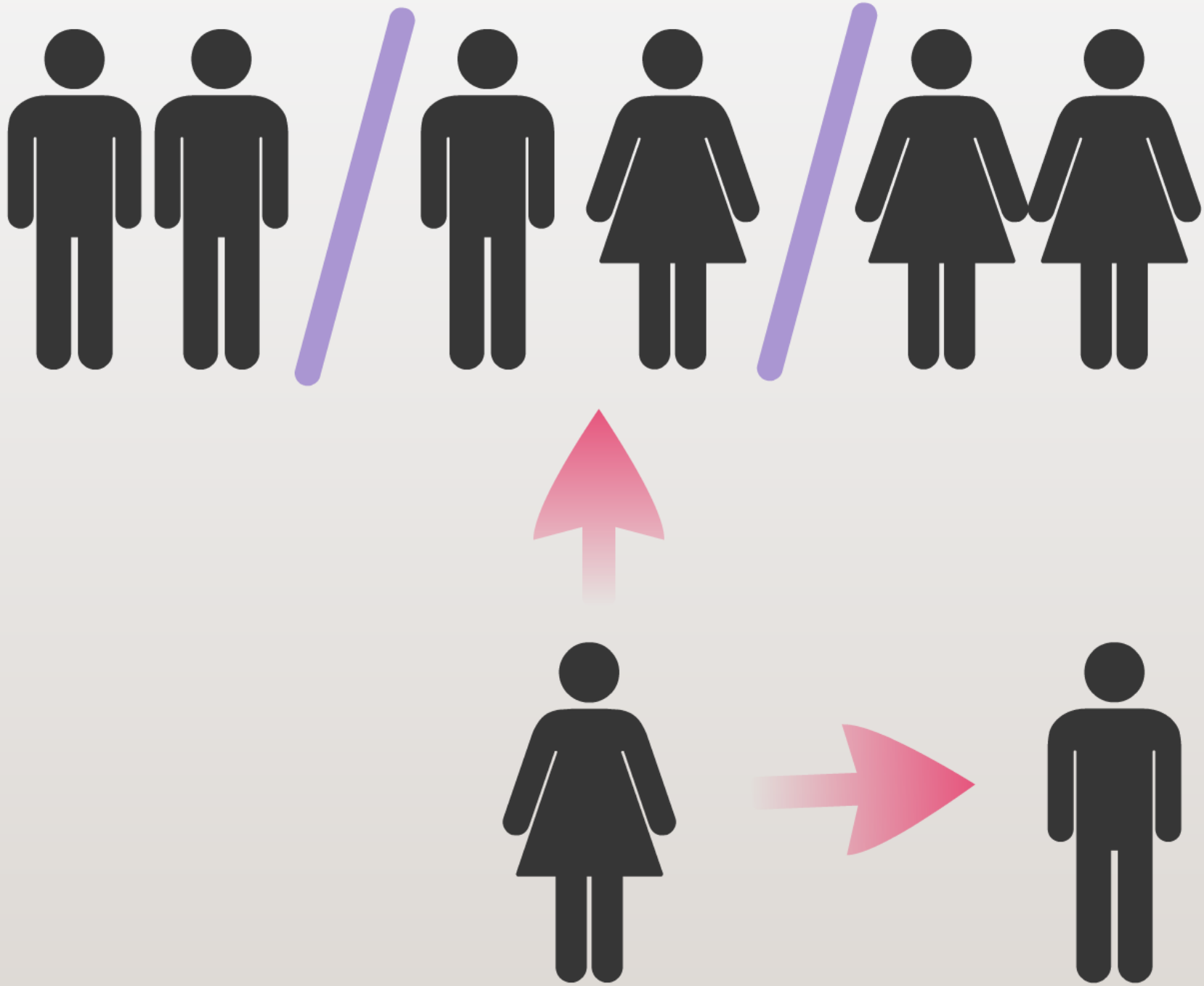

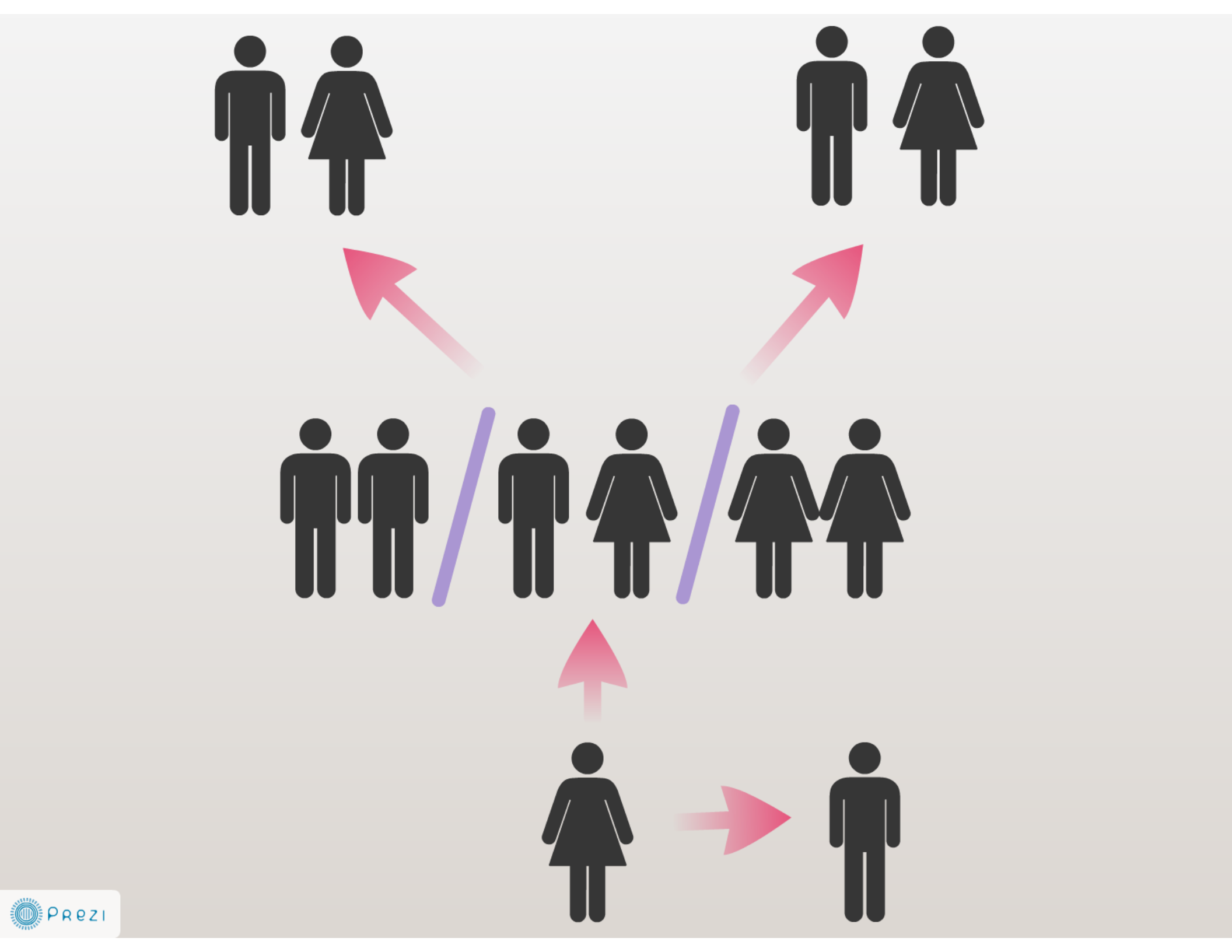

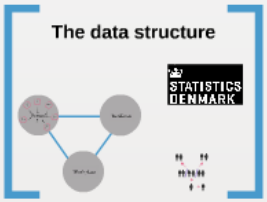

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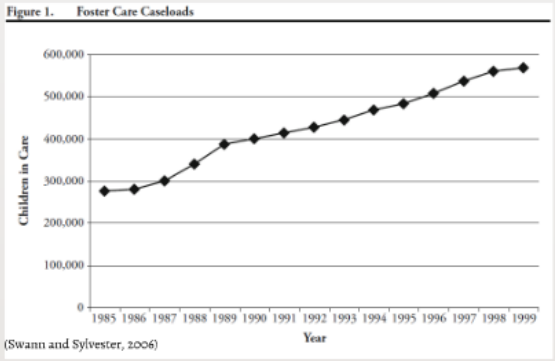
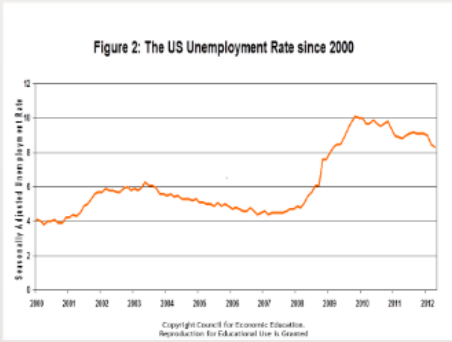
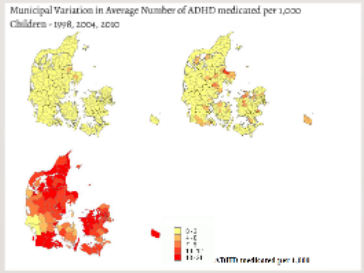
Do children's behavioral problems cause foster care placements?

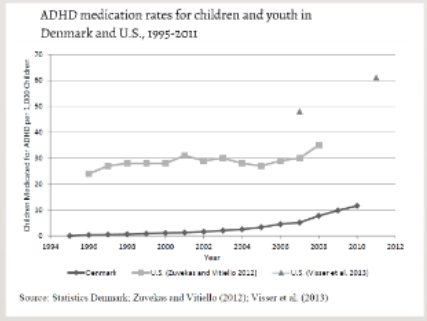


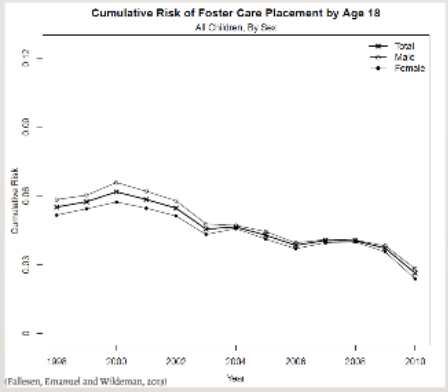
(Swann and Sylvester, 2006)

- Decrease in welfare payments
- Unemployment
- Incarceration
- Drug use
- Adoption subsidies

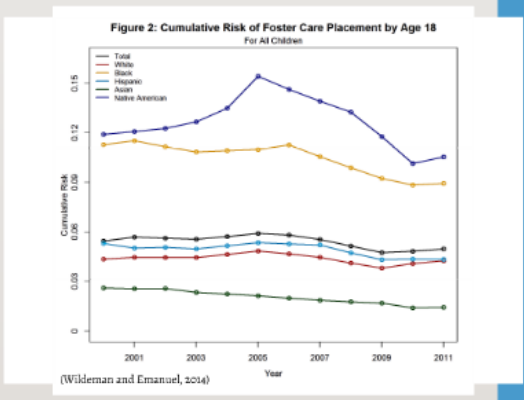








(Fallesen, Emanuel and Wilderman, 2015)



(Wilderman and Emanuel, 2014)

Methods and findings

We estimate both macro level models and individual level fixed effect models.

We find that an one percentage point increase in ADHD medication rate caused a 33 percentage decrease in foster care risk for children aged 6-18

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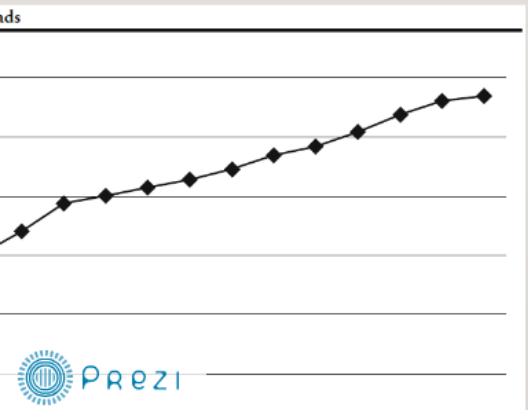

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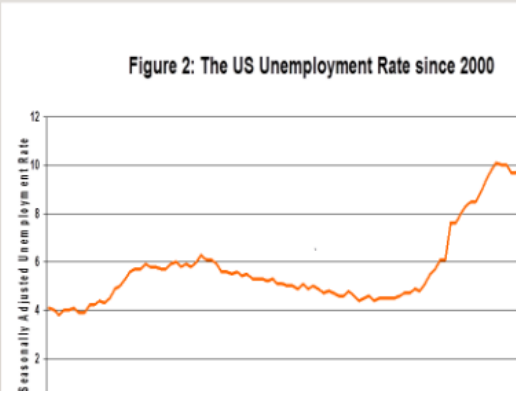
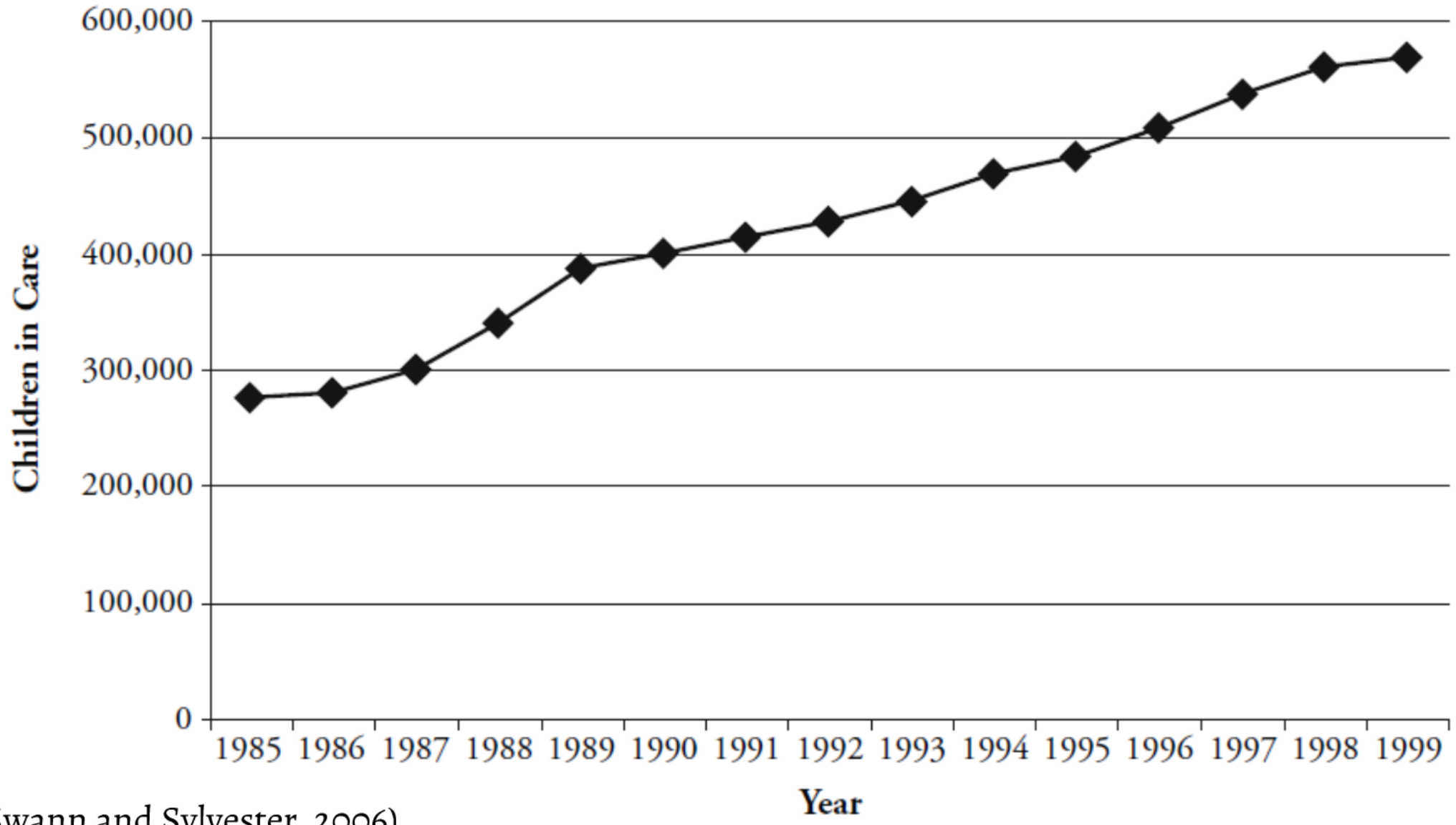


Figure 1. Foster Care Caseloads



(Swann and Sylvester, 2006)

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Figure 2: The US Unemployment Rate since 2000

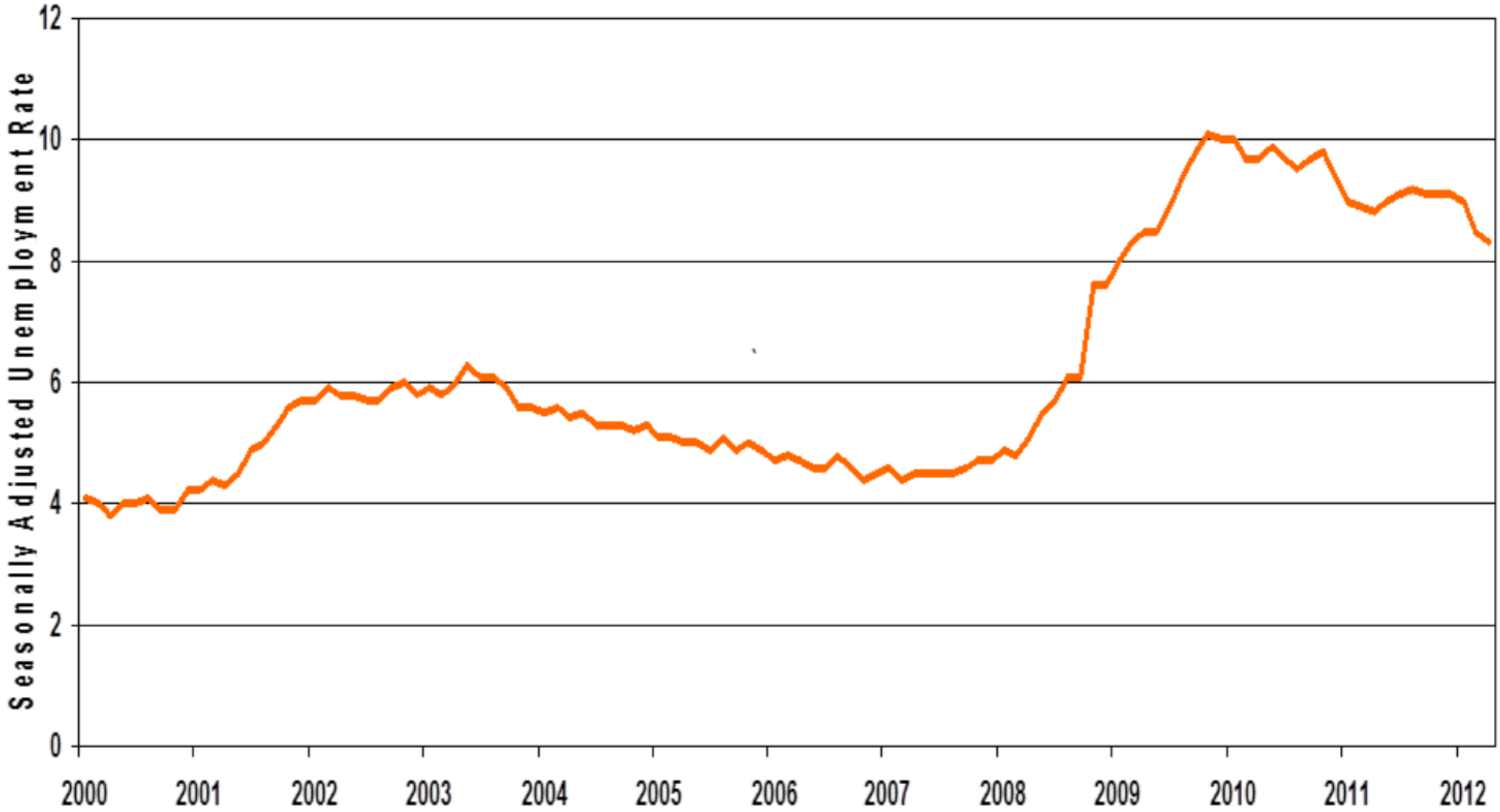

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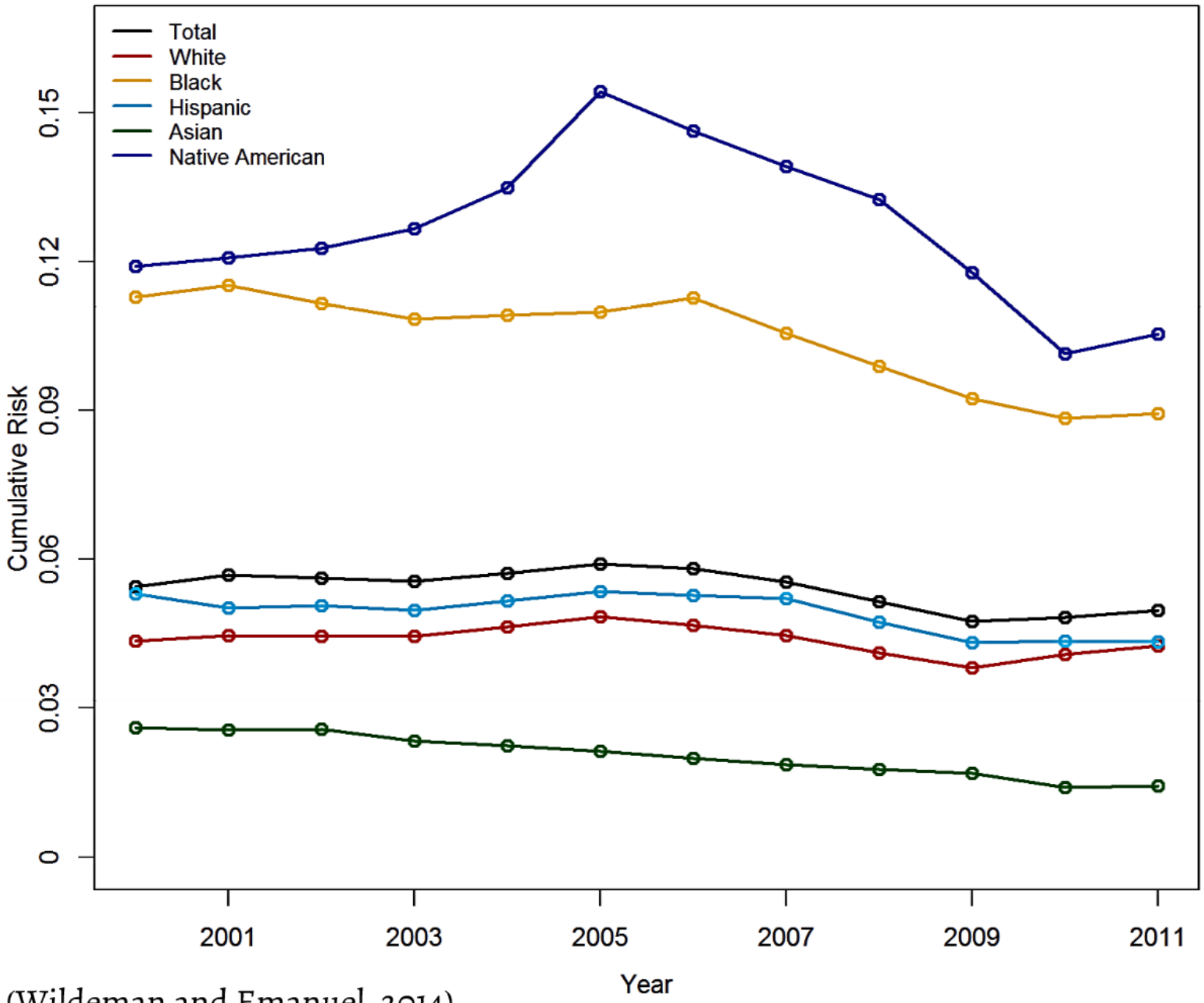
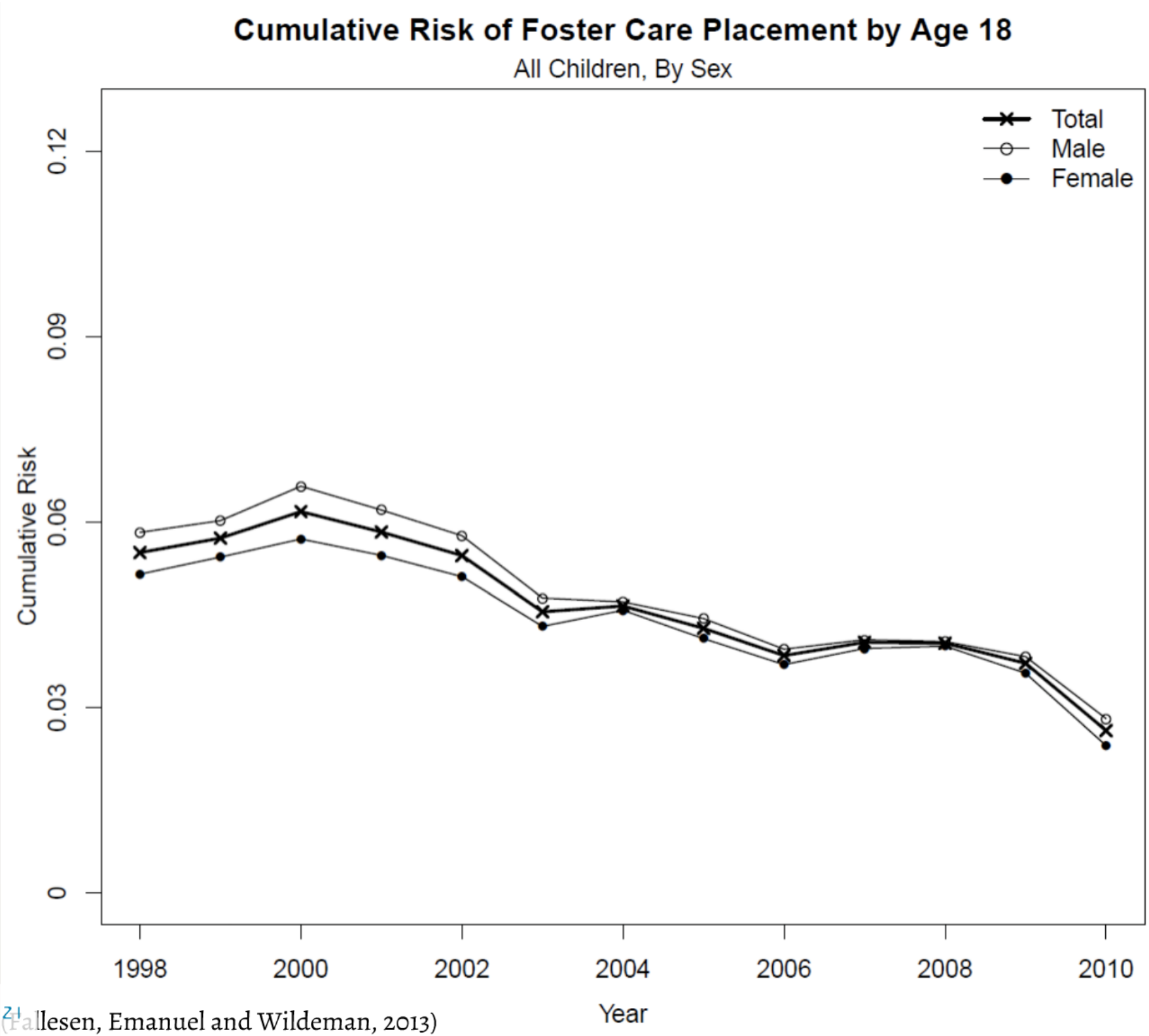
Figure 2: Cumulative Risk of Foster Care Placement by Age 18

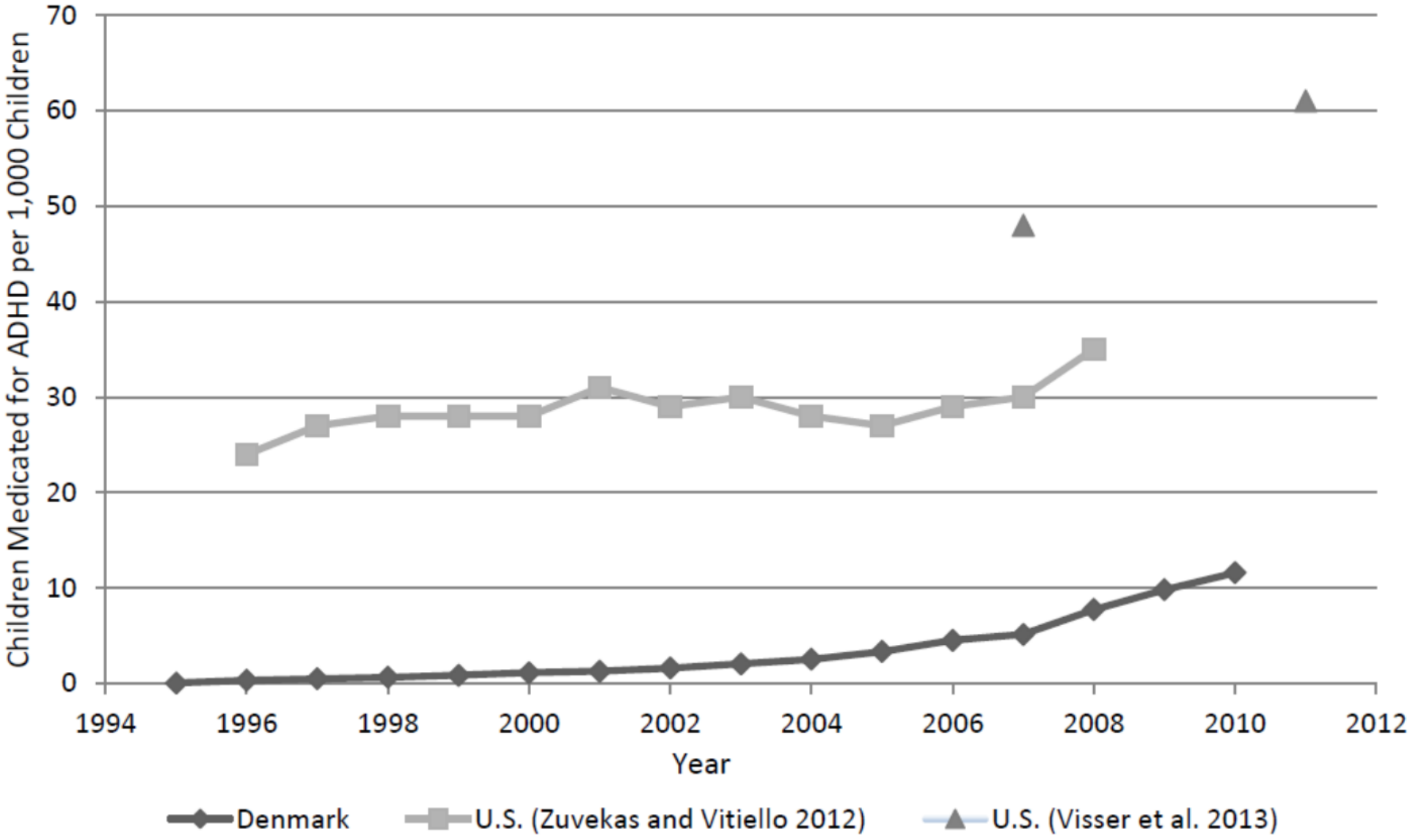


(Wildeman and Emanuel, 2014)



(Fallesen, Emanuel and Wildeman, 2013)

ADHD medication rates for children and youth in Denmark and U.S., 1995-2011



Source: Statistics Denmark; Zuvekas and Vitiello (2012); Visser et al. (2013)

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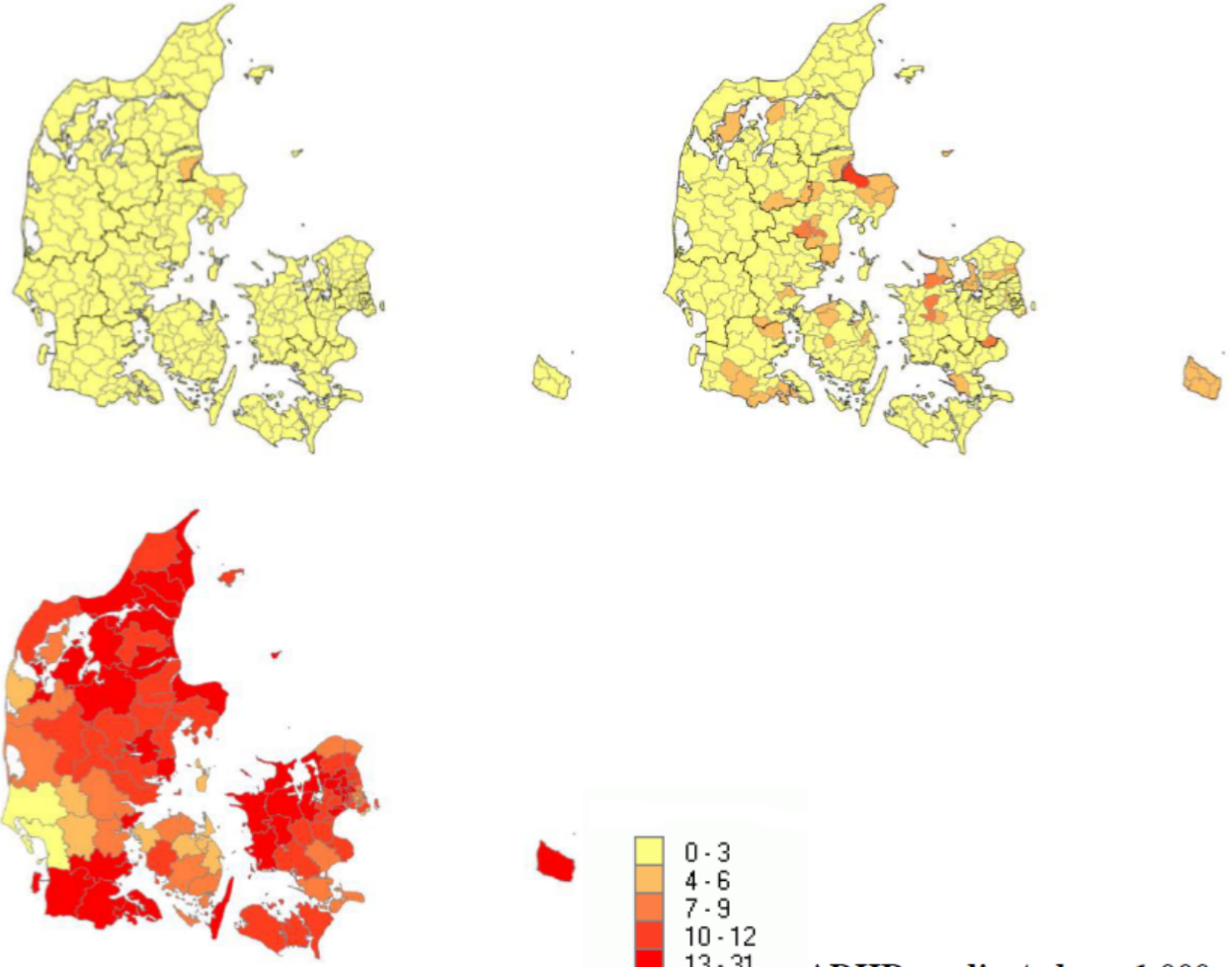
Municipal Variation in Average Number of ADHD medicated per 1,000 Children - 1998, 2004, 2010



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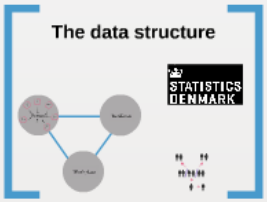

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Using linked data in joint research and policy evaluation design

Low levels of education and lack of labor market market attachment are some of the main predictors for whether a young mother's child(ren) at some point enter foster care

The Danish Ministry of Social Affairs appointed two Danish municipal governments to function as test cases for a family oriented effort

The municipal government offered at risk mothers help with

- acquiring mothering skills
- building social network with other new mothers
- entering either the educational system or the labor force

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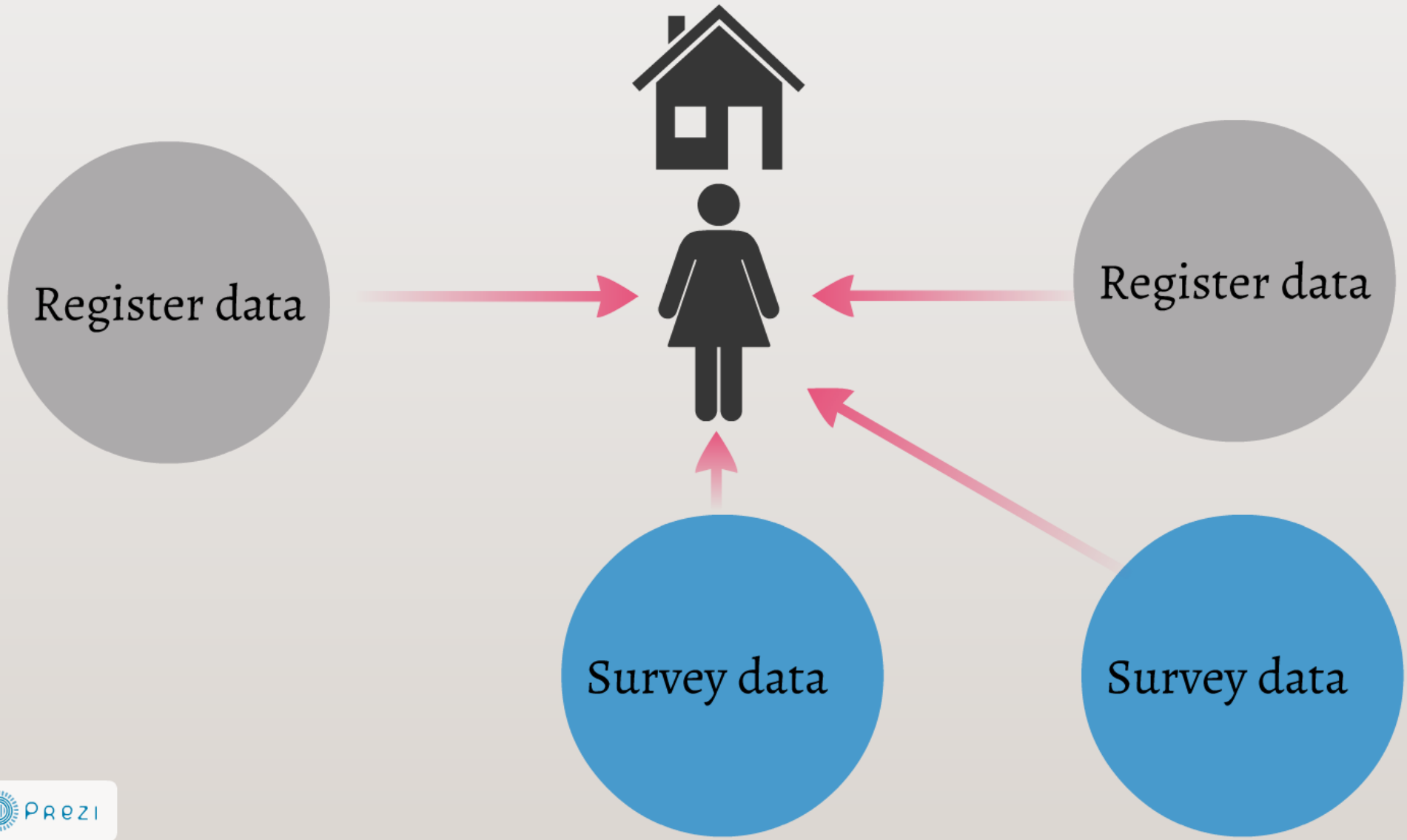
Prezi

Socioeconomic background pre-treatment

Treatment

Outcomes post-treatment



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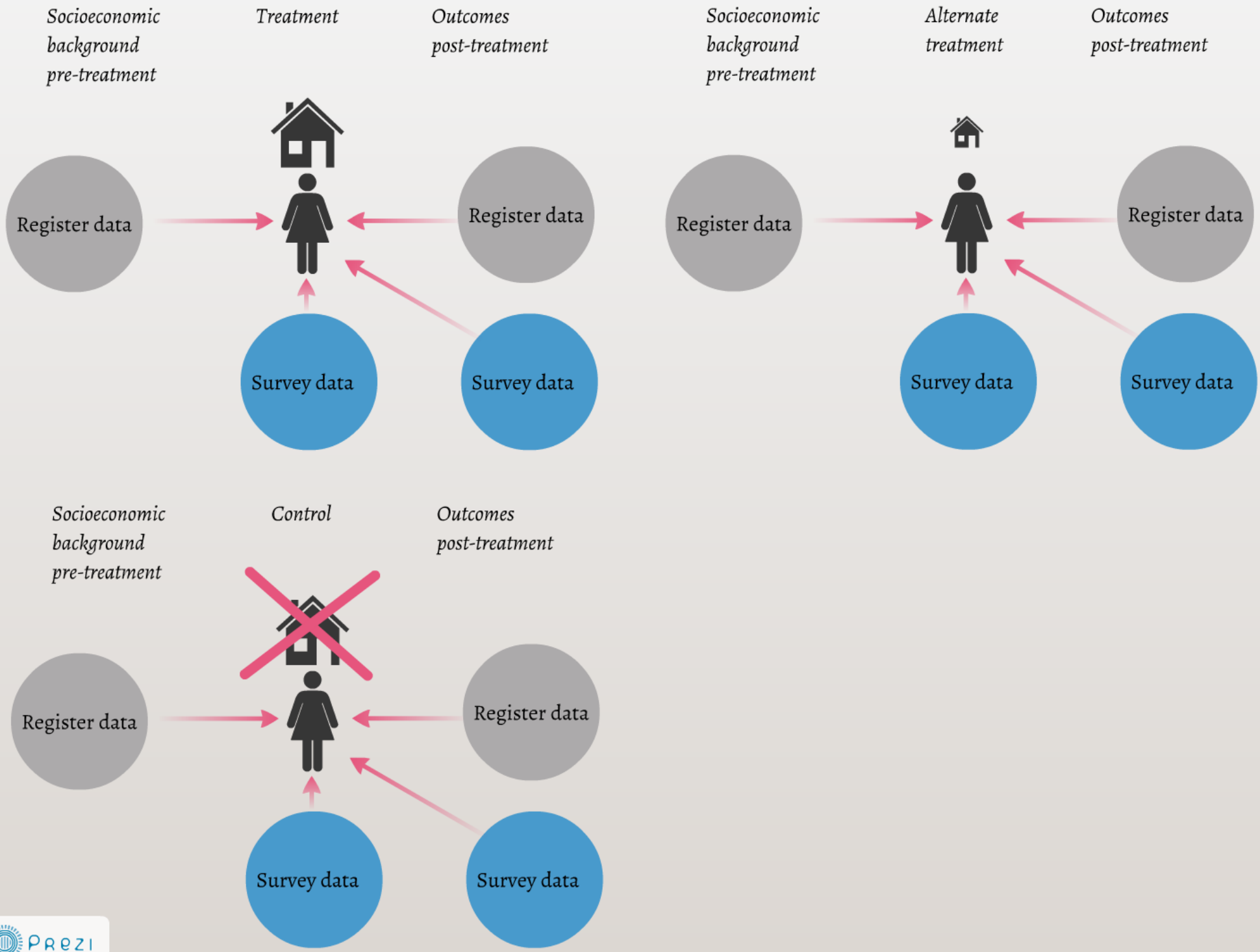
Socioeconomic background pre-treatment
Treatment
Outcomes post-treatment
Register data
Register data
Survey data
Survey data
Socioeconomic background pre-treatment
Alternate treatment
Outcomes post-treatment
Register data
Register data
Survey data
Survey data
Socioeconomic background pre-treatment
Control
Outcomes post-treatment
Register data
Register data
Survey data
Survey data

Thank you

Peter Fallesen
pf@rff.dk

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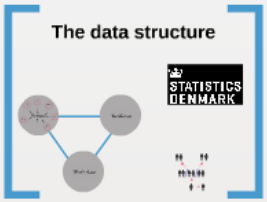

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