

Telling stories with data visualization

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jensfinnas / pwyp-workshop

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First commit

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reference_data	First commit	9 hours ago
EITI - analysis of the 2011 EITI report.pdf	First commit	9 hours ago
README.md	First commit	9 hours ago
workshop_data.xlsx	First commit	9 hours ago

README.md

Telling stories with data

PWYP Workshop in Oslo, November 18th 2014

SSH clone URL

git@github.com:jensfinnas:pwyp-workshop

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bit.ly/pwyp-oslo

@jensfinnas

Assignment.

Find a story in data.

Tell it with a chart and a tweet.

To **understand society** you
have to **understand data**.

To **understand data** you have
to be able to **visualize data**.

World ➡ Data ➡ Visualization

What makes **good**
data visualization?

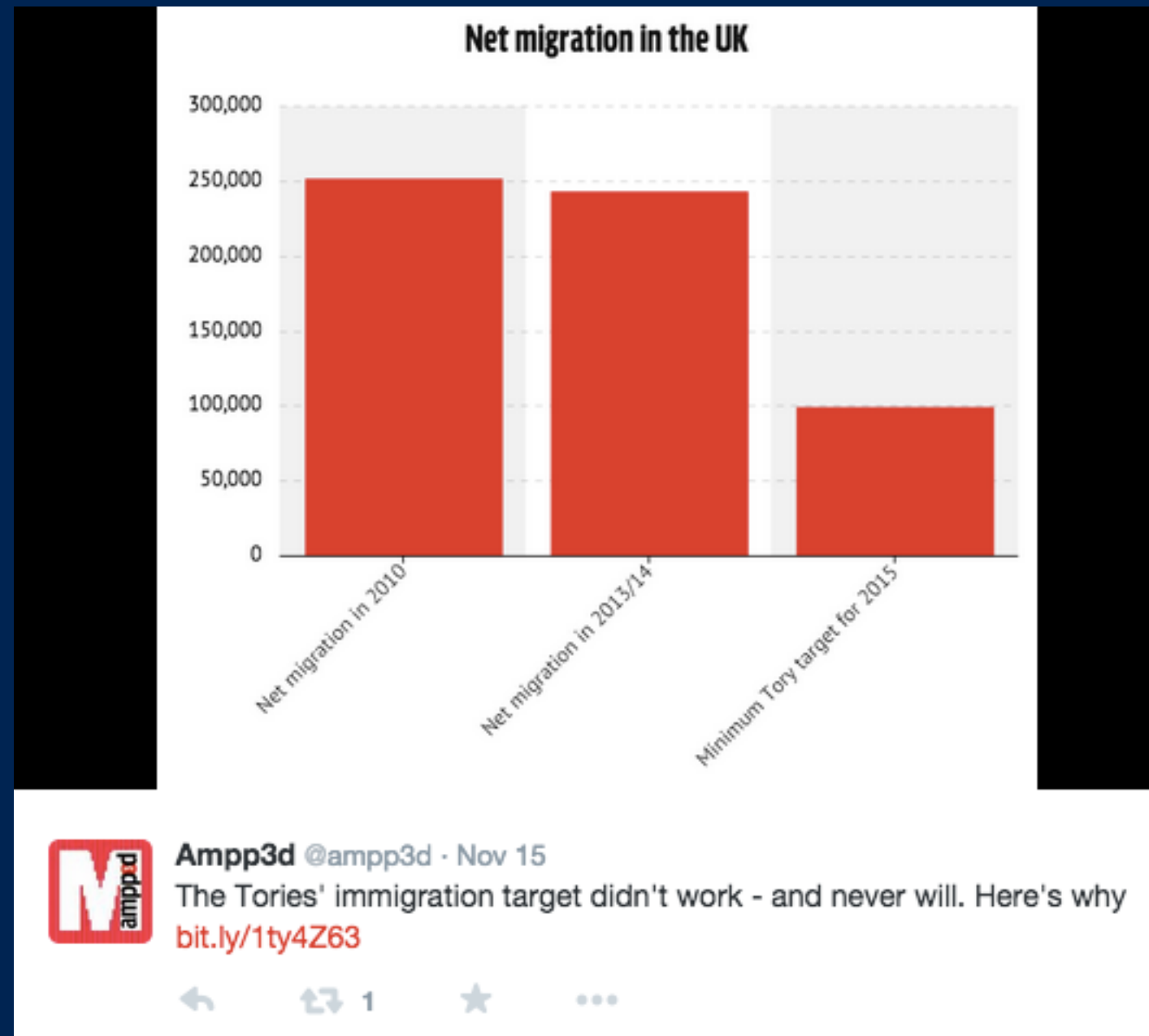
What is it that makes
Hans Rosling great?

Is it the fancy **animations**?

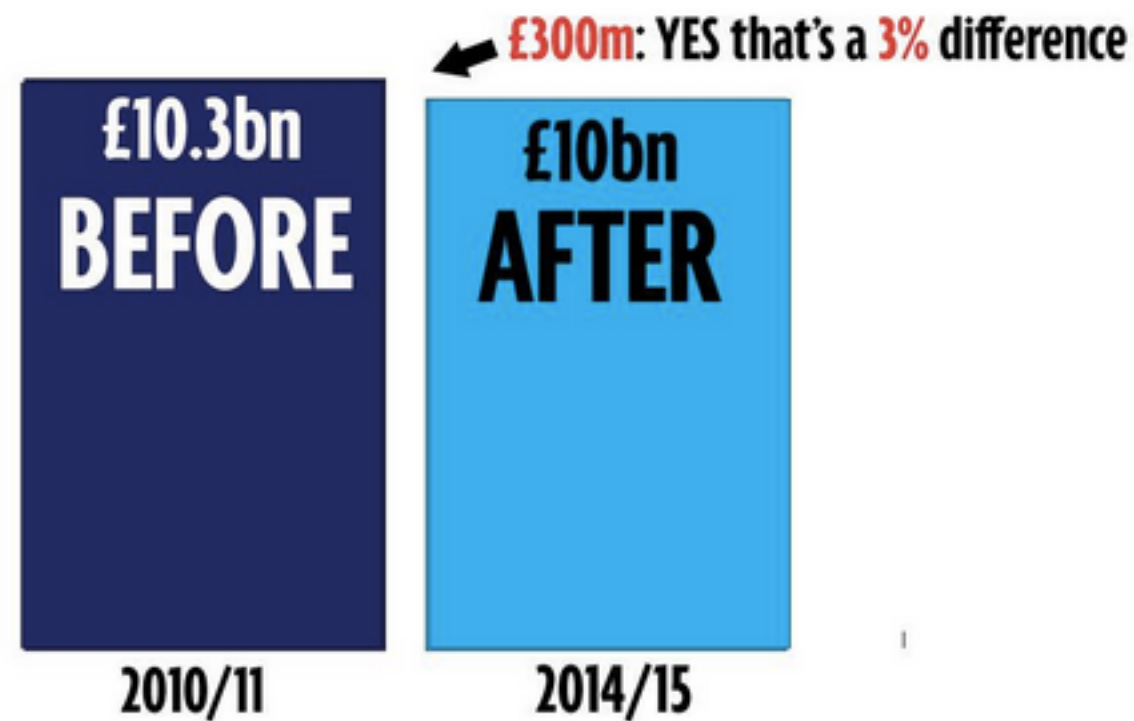
Examples of interactive.

Good data visualization
tells a story.

Good data visualization
has something to say.



HOW MUCH TRIPLING STUDENT FEES SAVED THE TAXPAYER



Ampp3d @ampp3d · Nov 12

This is what the government spent on university BEFORE and AFTER the £9k tuition fees: OW.

bit.ly/1u1xxbN



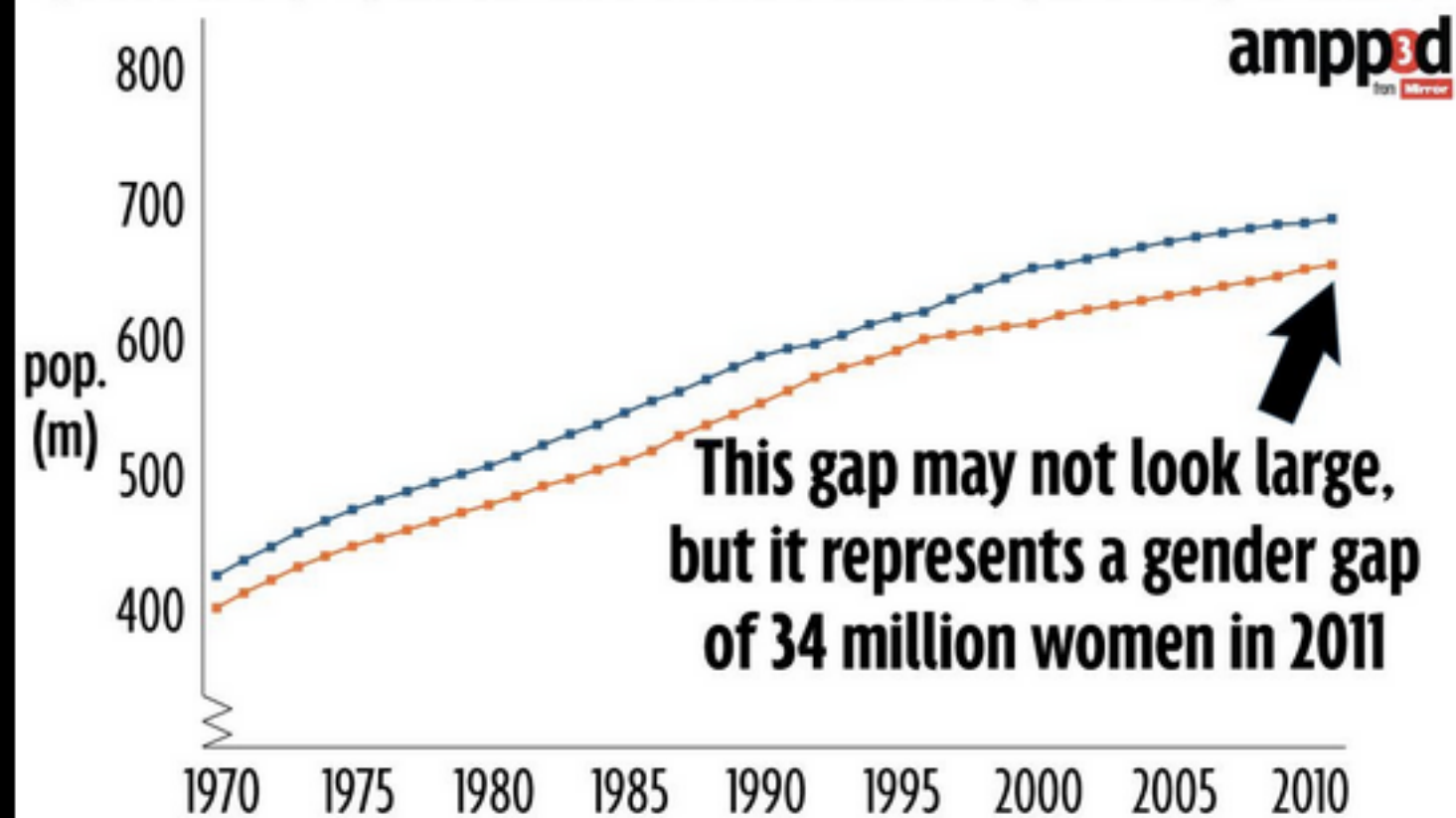
39



3



CHINA'S GENDER IMBALANCE PROBLEM



Ampp3d @ampp3d · Nov 11

94% of unmarried people in China are MEN - because of female infanticide bit.ly/149fo3s

#SinglesDay



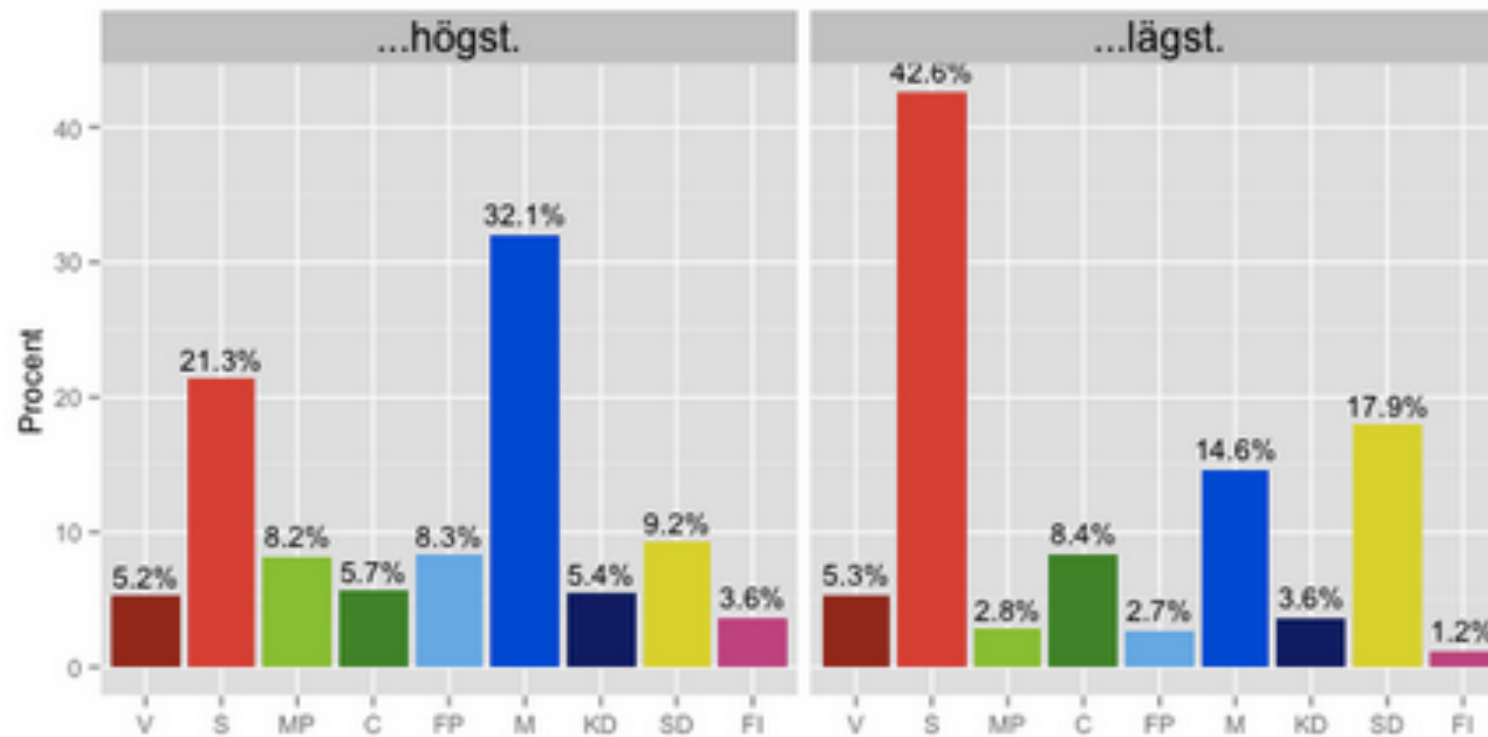
1



1



Så här röstar kommunerna där utbildningsnivån är...



AFTONBLADET



Jens Finnäs

@jensfinnas



Så här röstar kommunerna där utbildningsnivån är högst/lägst.

#abval #valet2014

12:03 AM - 15 Sep 2014

1,903 RETWEETS 1,092 FAVORITES



@jensfinnas

Assignment.

Find a story in data.

Tell it with a chart and a tweet.

Find the
story



Choose
the form



Visualize

**Find the
story**



Choose
the form



Visualize

Start with **a question**
or with **set of data.**

What do you **want to say**?

Find the
story



**Choose
the form**



Visualize

Do you want to highlight...

- ...a **difference**?
- ...a **change over time**?
- ...a **relationship**?

Is the purpose to...

- ...**explain** a phenomenon?
- ...make **an argument**?
- ...let the **user explore**?

Find the
story

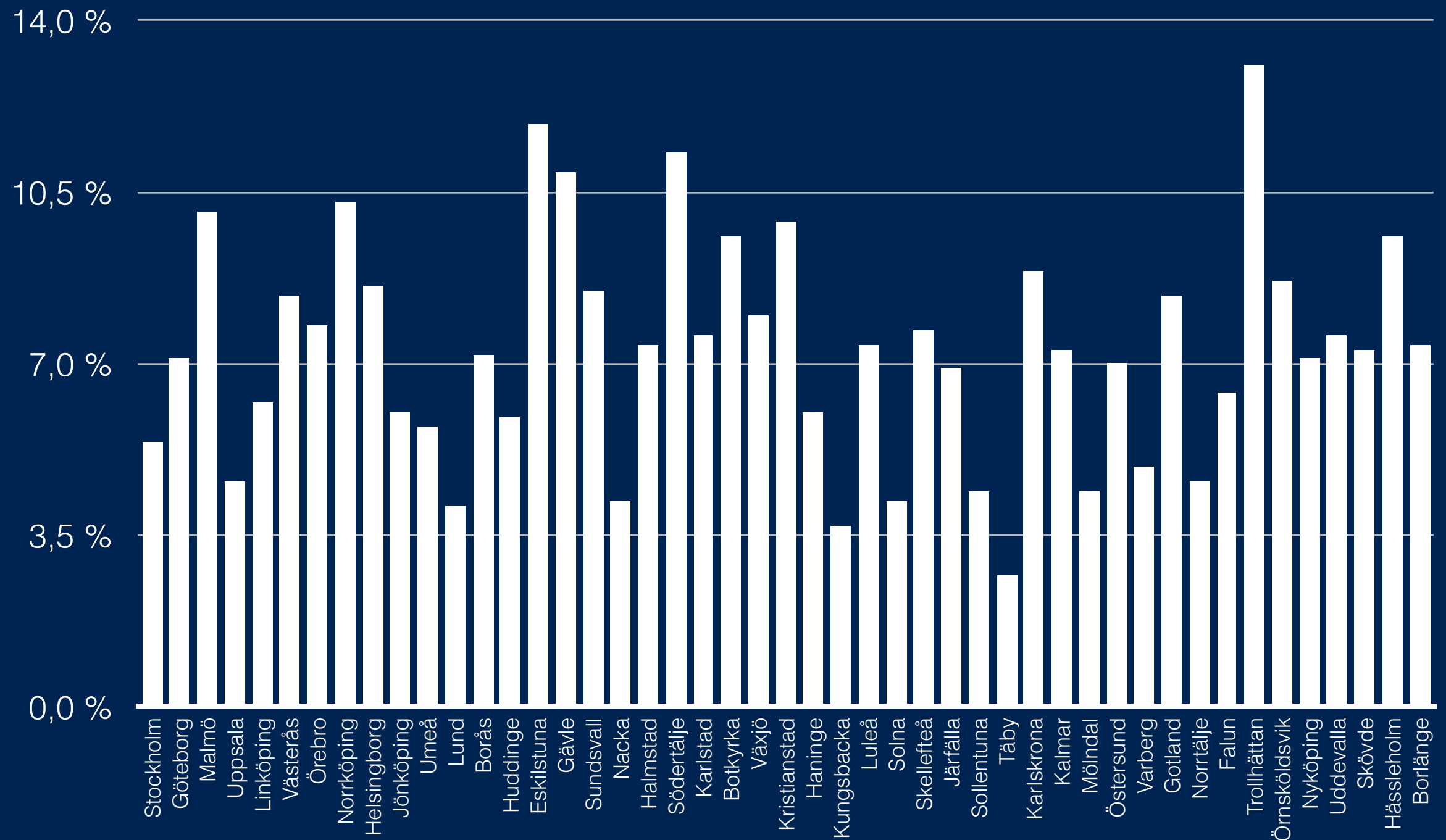


Choose
the form

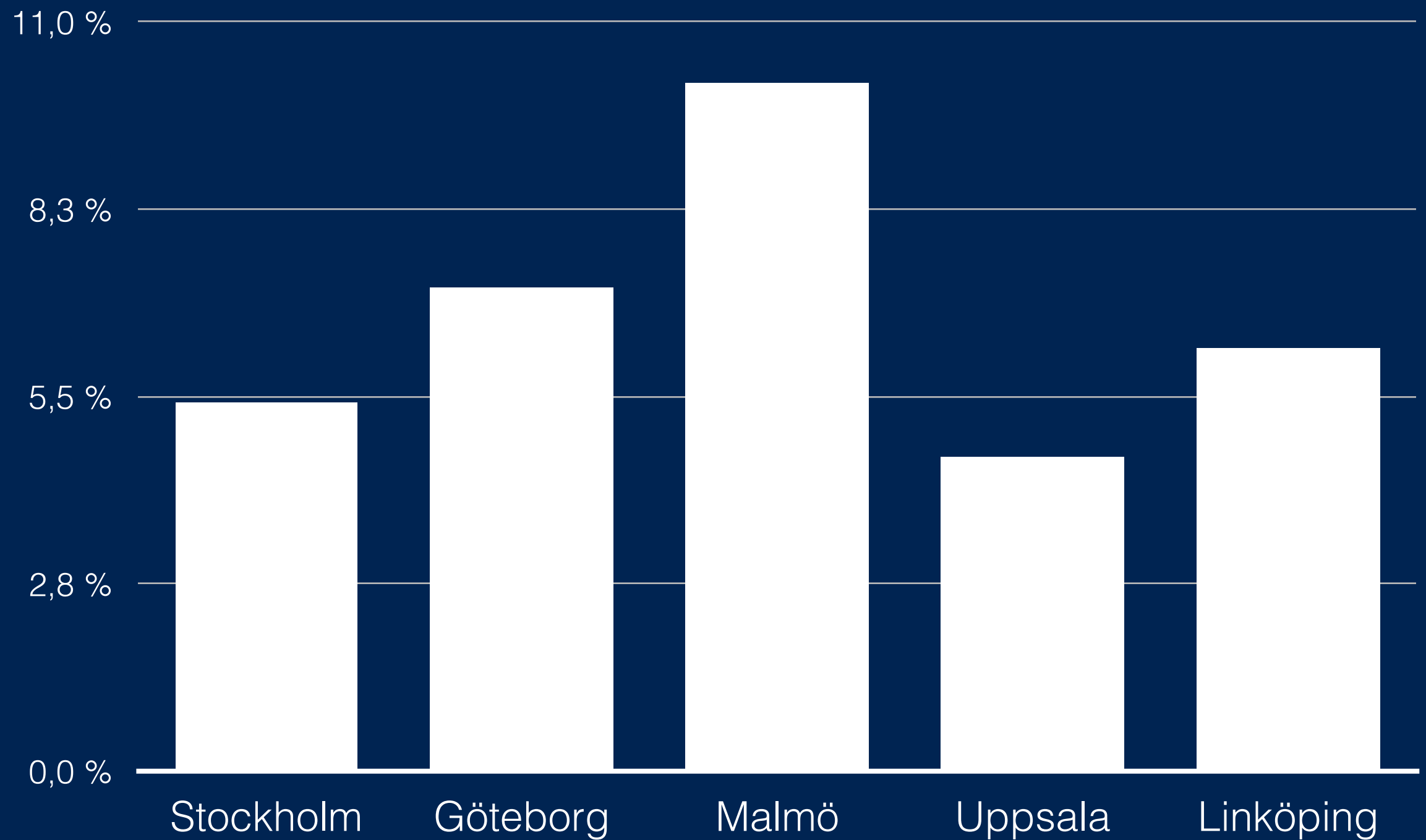


Visualize

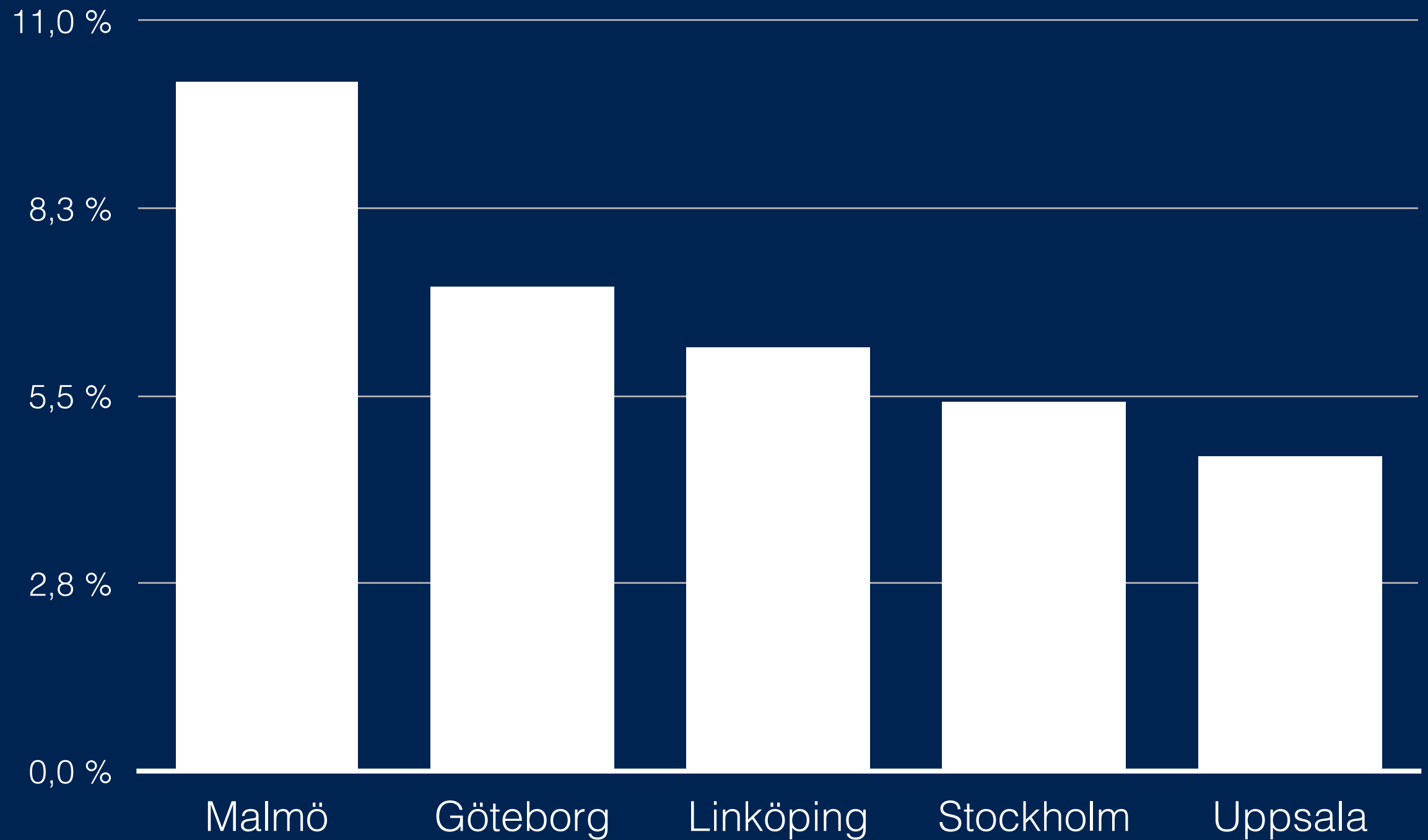
Unemployment 2013



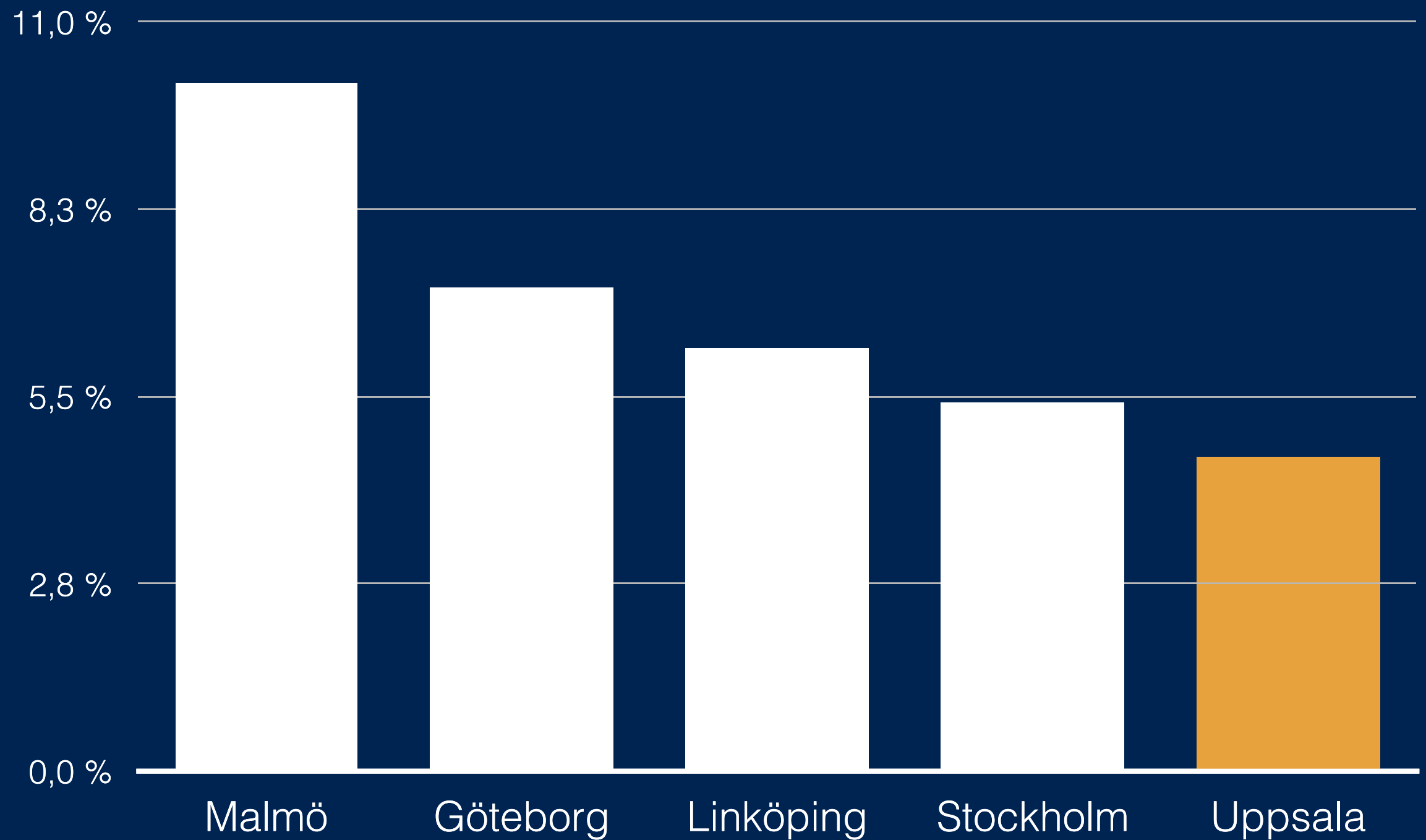
Unemployment 2013



Unemployment 2013



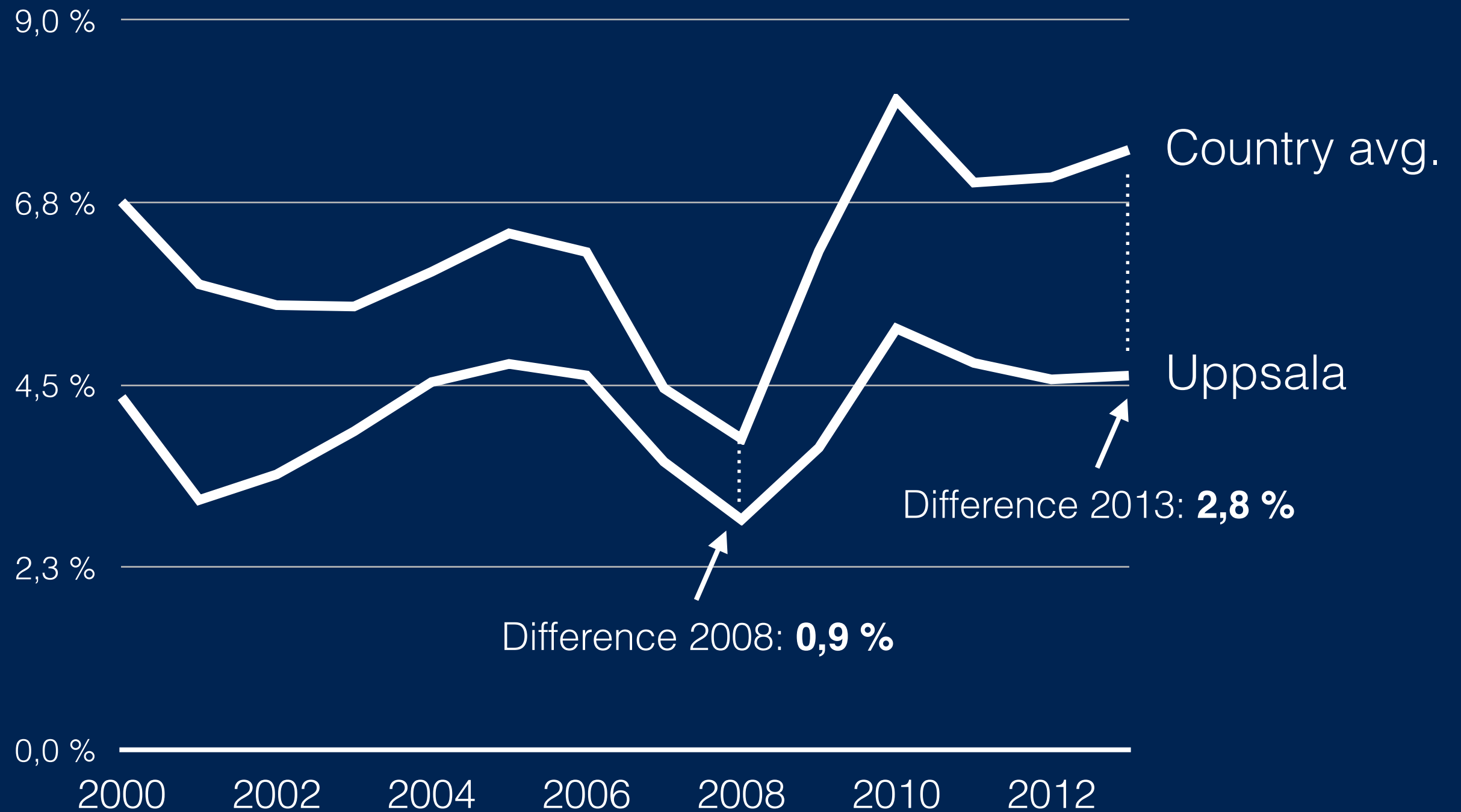
Unemployment 2013



Unemployment 2000-2013

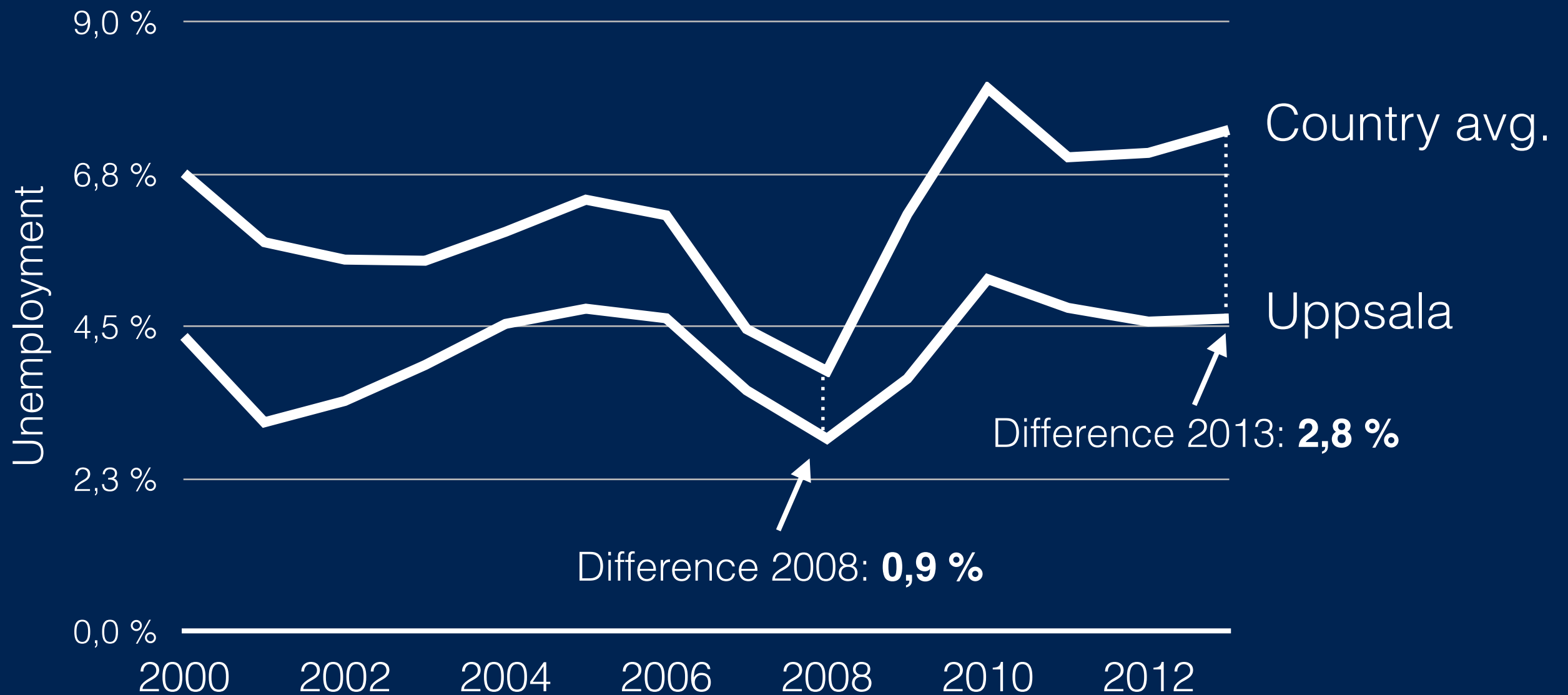


Unemployment 2000-2013



Uppsala recovered the crisis better

Since 2008 unemployment has risen, but not as much as in the rest of Sweden.

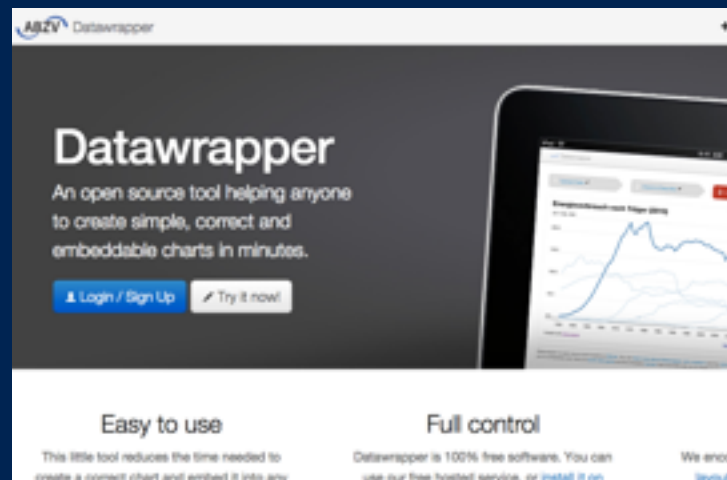


Unemployment 2000-2013



Title
Annotation
Filtering
Coloring
Sorting

Tools



Datawrapper

Pros

- Clean layout.
- Very fast and easy to use.
- Storytelling emphasis.
- Free.

Cons

- Few chart types.
- Limited customization.



Infogram

Pros

- Lot of chart type.
- Easy to use.
- Free.

Cons

- Neither annotation nor highlighting.



Tableau

Pros

- Allows full customization.
- Powerful analytical features.
- Enables interaction.

Cons

- Free version somewhat limited.
- More difficult to learn.

Assignment.

Find a story in data.

Tell it with a chart and a tweet.

Data

”EITI reports remain **under-utilized as a source of information and a tool for advocacy**. Revenue Watch finds that EITI data has the potential to illuminate important **governance issues**, enable **earnings comparisons** between government and private companies, and highlight **government dependent on nonrenewable resources**.”

– <http://data.resourcegovernance.org/eiti/about.php#numbers>

”But until the reports are produced regularly, with comprehensive data and a basic level of comparability, their **value will remain compromised.**”

– <http://data.resourcegovernance.org/eiti/about.php#numbers>