Q 2016 European Conference on Quality in Official Statistics
INE Instituto Nacional de Estadística eurostat
Madrid, May 31 - June 3

DESTATIS wissen.nutzen.

Data Visualization

How to ensure understandable and sustainable statistical products

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Federal Statistical Office (Destatis), Germany

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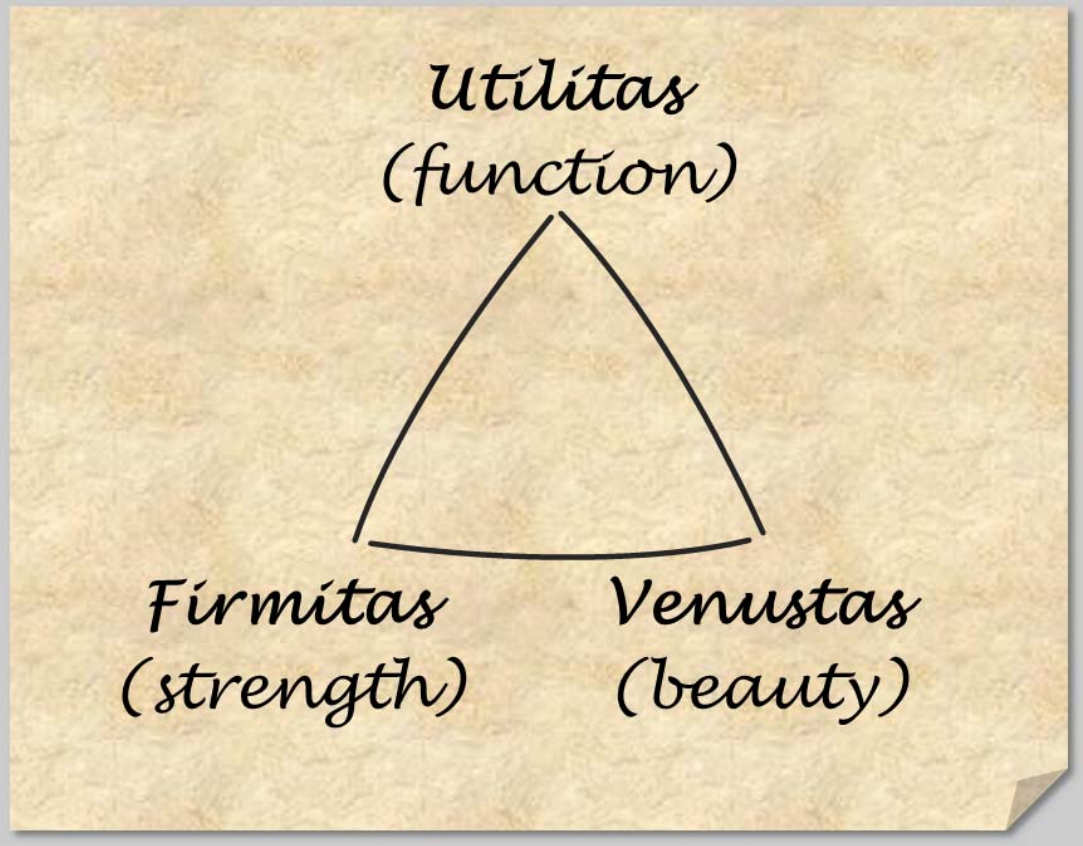
Vitruvius triangle



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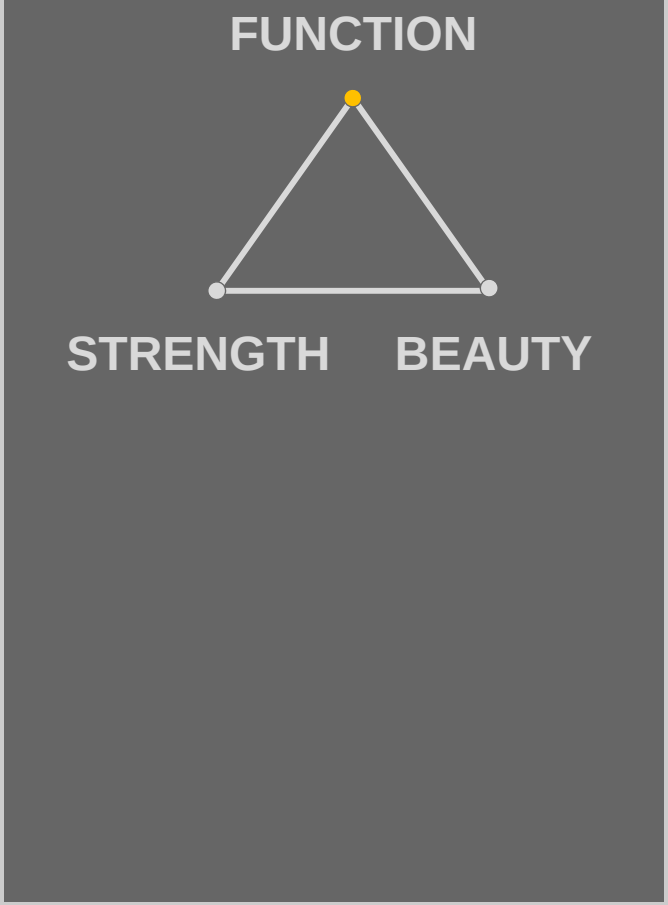
Vitruvius triangle

Function

- Efficiency
- Effectiveness
- Usability



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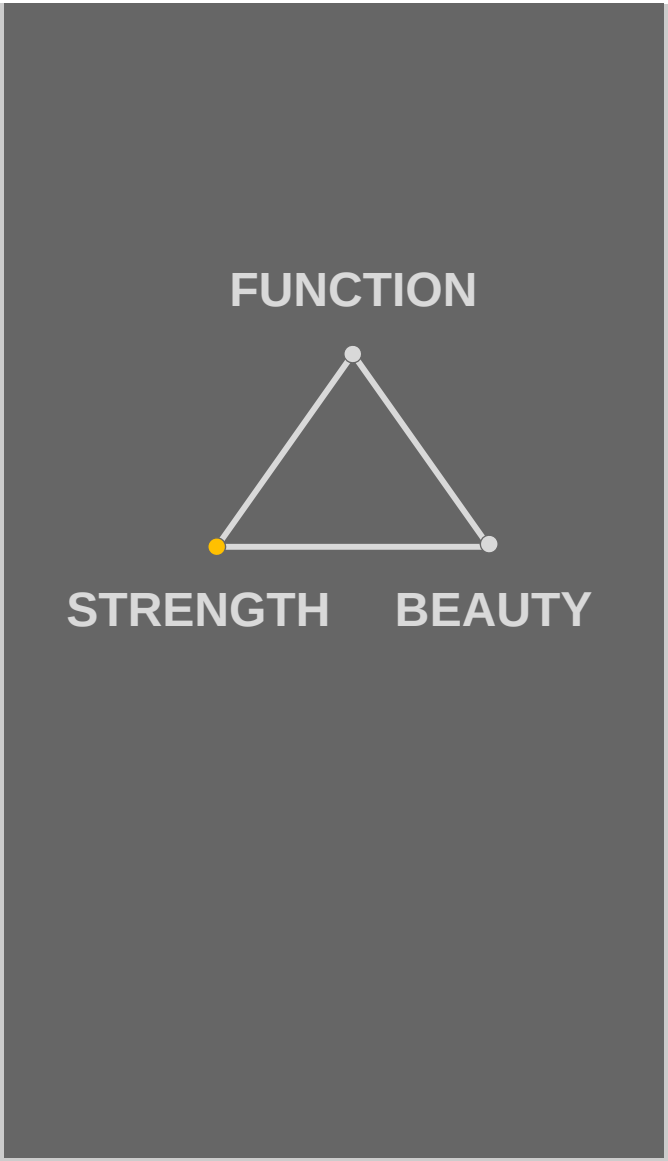
Vitruvius triangle

Function

- Efficiency
- Effectiveness
- Usability

Strength

- Robust technology
- Variety of output media



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Vitruvius triangle

Function

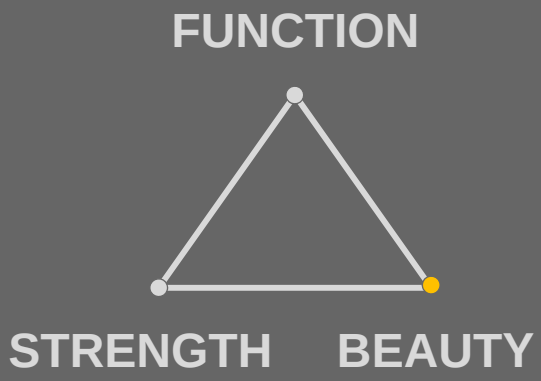
- Efficiency
- Effectiveness
- Usability

Strength

- Robust technology
- Variety of output media

Beauty

- Aesthetics
- Graphic Design



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Aesthetics

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MAYA*

*Most Advanced Yet Acceptable

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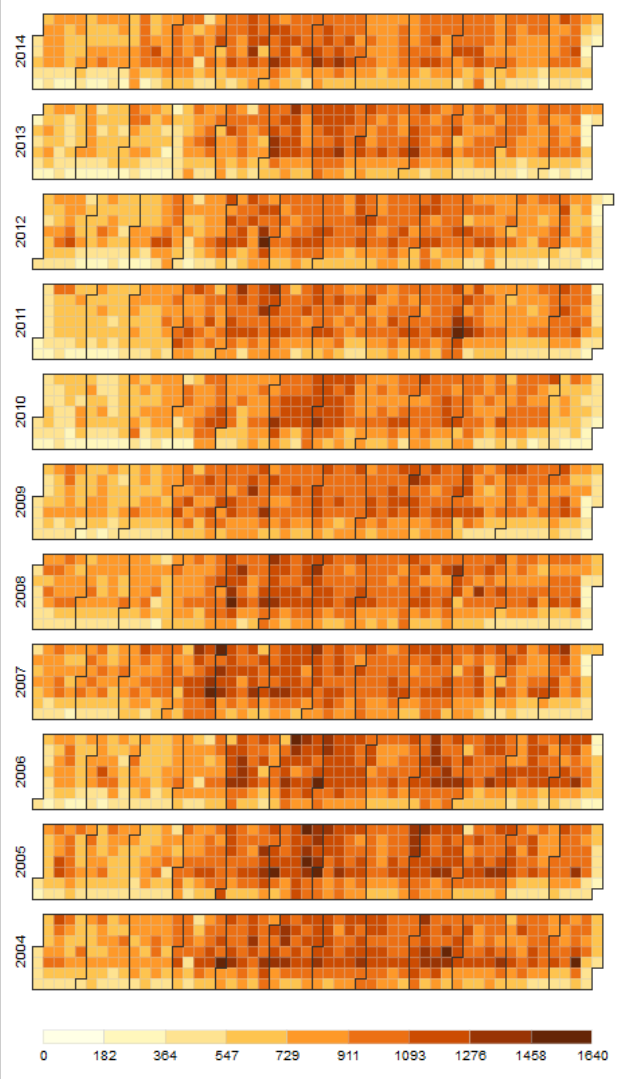
Most Advanced

- Indicator for frequent updates
- Professionalism
- “What is beautiful is usable”
- Good design attracts and engages people



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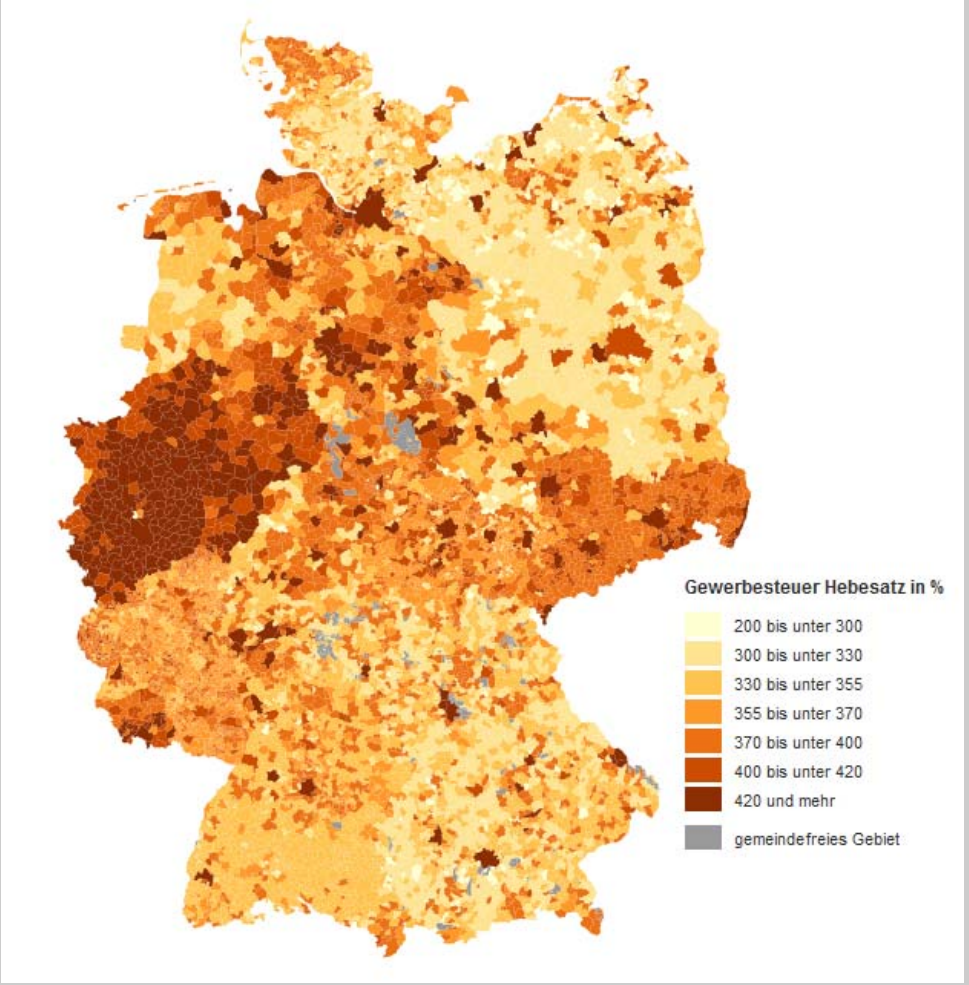
Yet Acceptable

- Reputation (“Official Statistics”)
- “Data define the shape”
- Support functionality
- Performance



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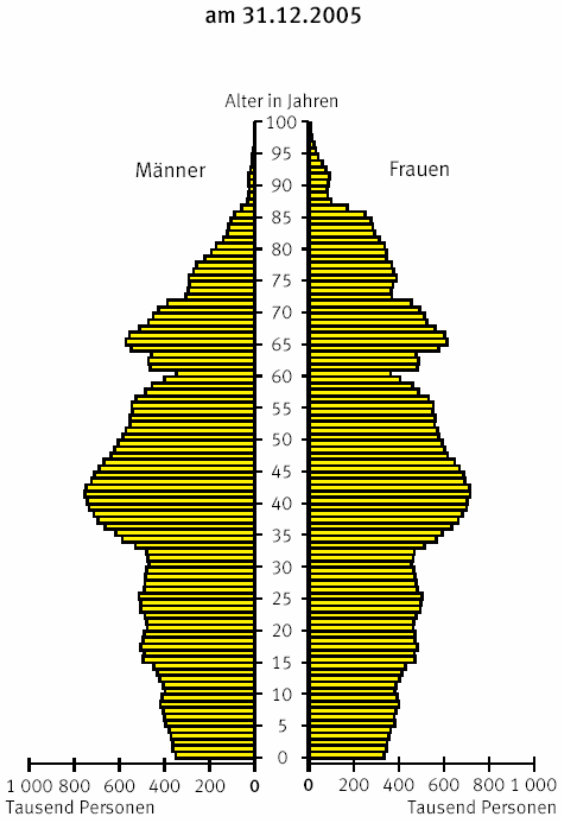

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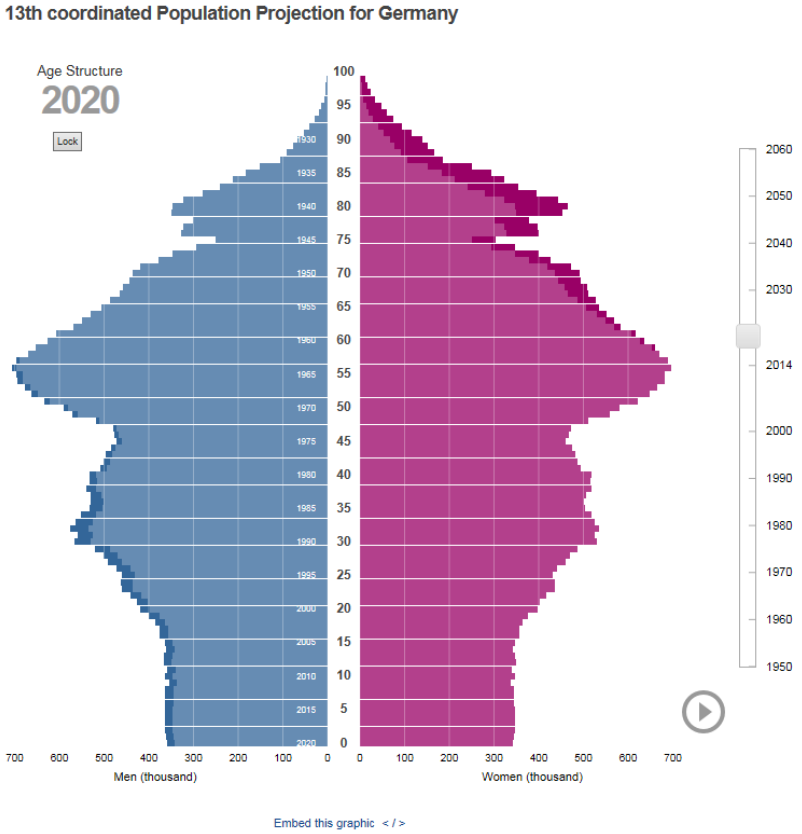

2015

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Competencies

- Statistical expertise
- Special technological knowledge
  - Programming skills / Web technologies (JS, SVG)
  - Motion Graphics, editing (video)
- UX-Design (usability)
- Graphic / Web Design

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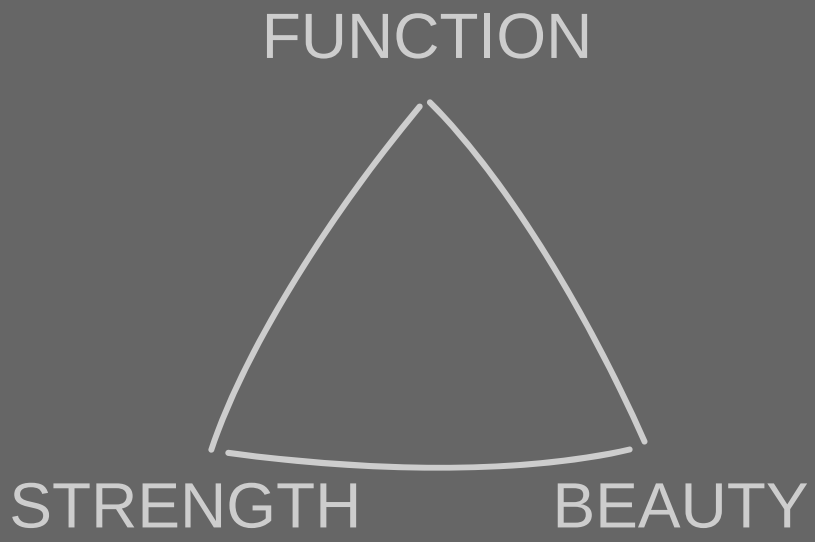

Sustainable Data Visualization

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