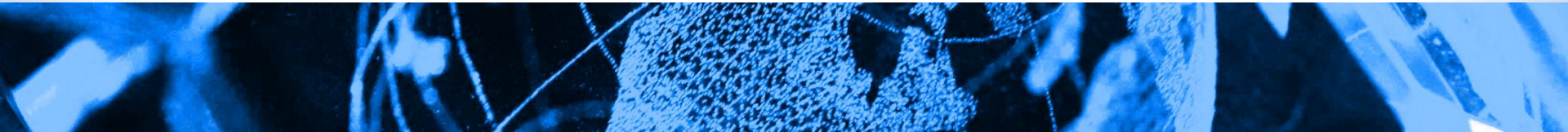


# Big Data & Analytics

## What are the perspectives?

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# Opportunities & problems

Big potential for

- massive dematerialization
- green and inclusive growth
- total transparency
- technologically induced unemployment

⇒ Huge challenge for politics

Decisions based on

- statistical evidence / correlation
- law of large numbers

⇒ From causation to correlation

⇒ Experience: Black Swans do exist!

# Impact of KBC (OECD)

Productivity growth: 5% up to 10%

⇒ **-26,75** million up to **-53,5** million jobs

⇒ middle-class jobs at stake

⇒ Opportunity: high-skill employment growth

⇒ up to 7 million new jobs? Or more?

⇒ Challenge: how to fill employment gap?

# Correlation argument

Statistical evidence, that  
paradigm of creative destruction  
remains true

⇒ positive impact on employment  
assumed

# Challenge

- Massive growth of GDP
- Fair & balanced participation
- Current ecological footprint: 1.5 planets

⇒ „Big transition“ required

Qualitative reasoning, that

- this time is different
- „technological unemployment“ (Keynes)

⇒ negative impact on employment  
assumed

- Correlation argument suggests:  
„run/dance with machines“  
⇒ stronger competition, rising unbalance
  
- Causation argument suggests:  
„green & inclusive capitalism“  
⇒ towards balance & sustainability