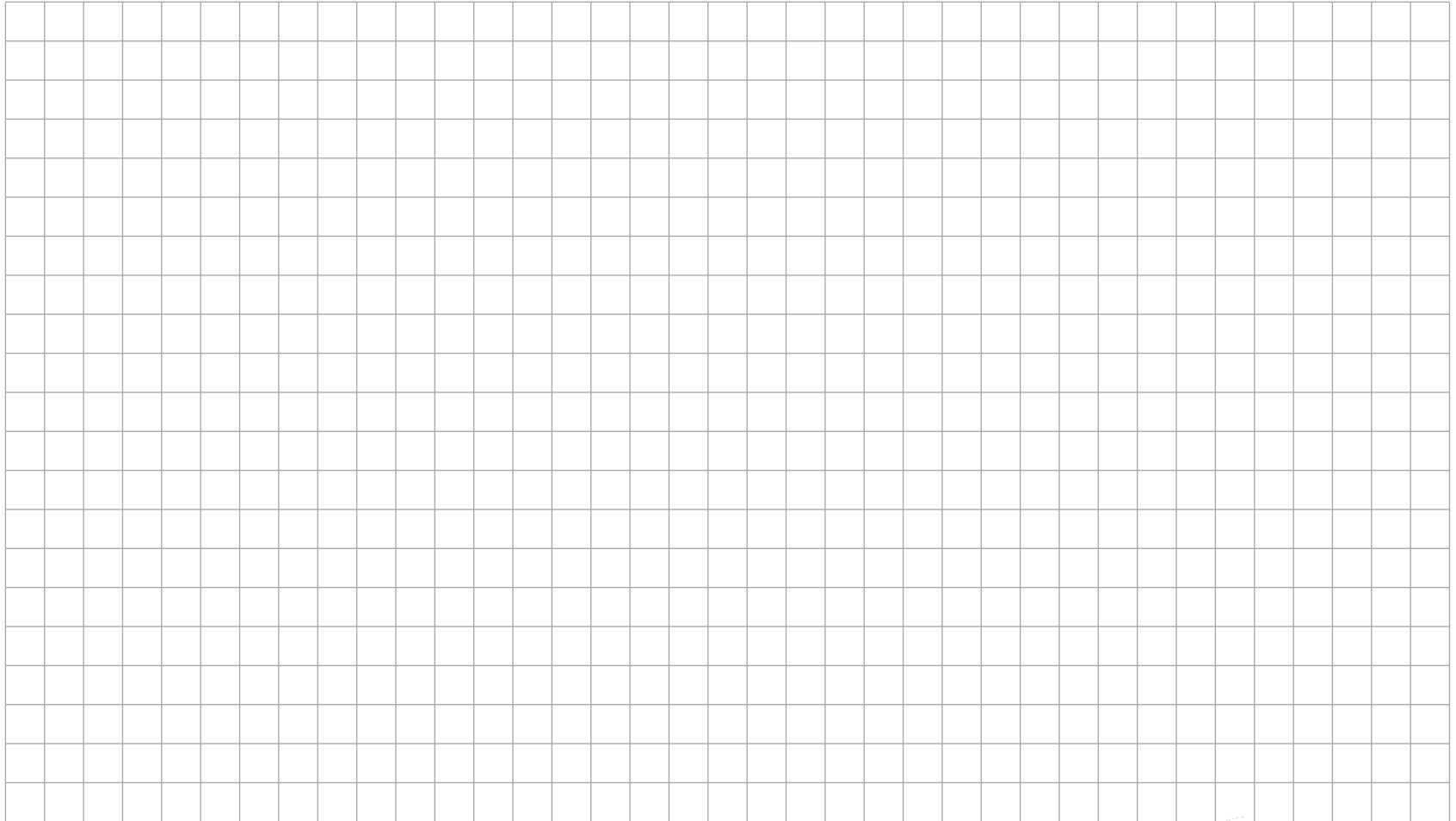


Data Science (M.Sc.)

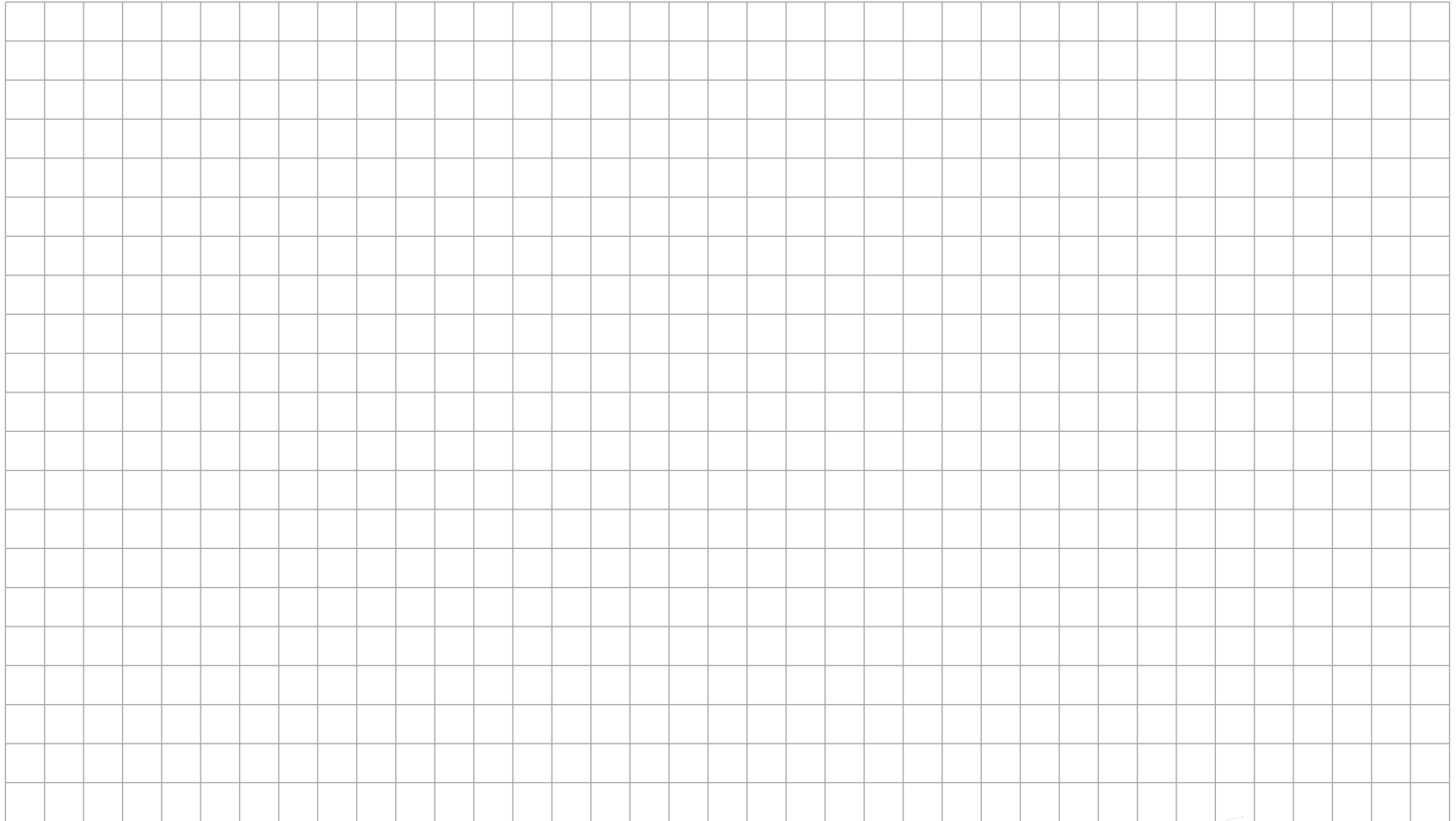
Prof. Dr. Benjamin Buchwitz



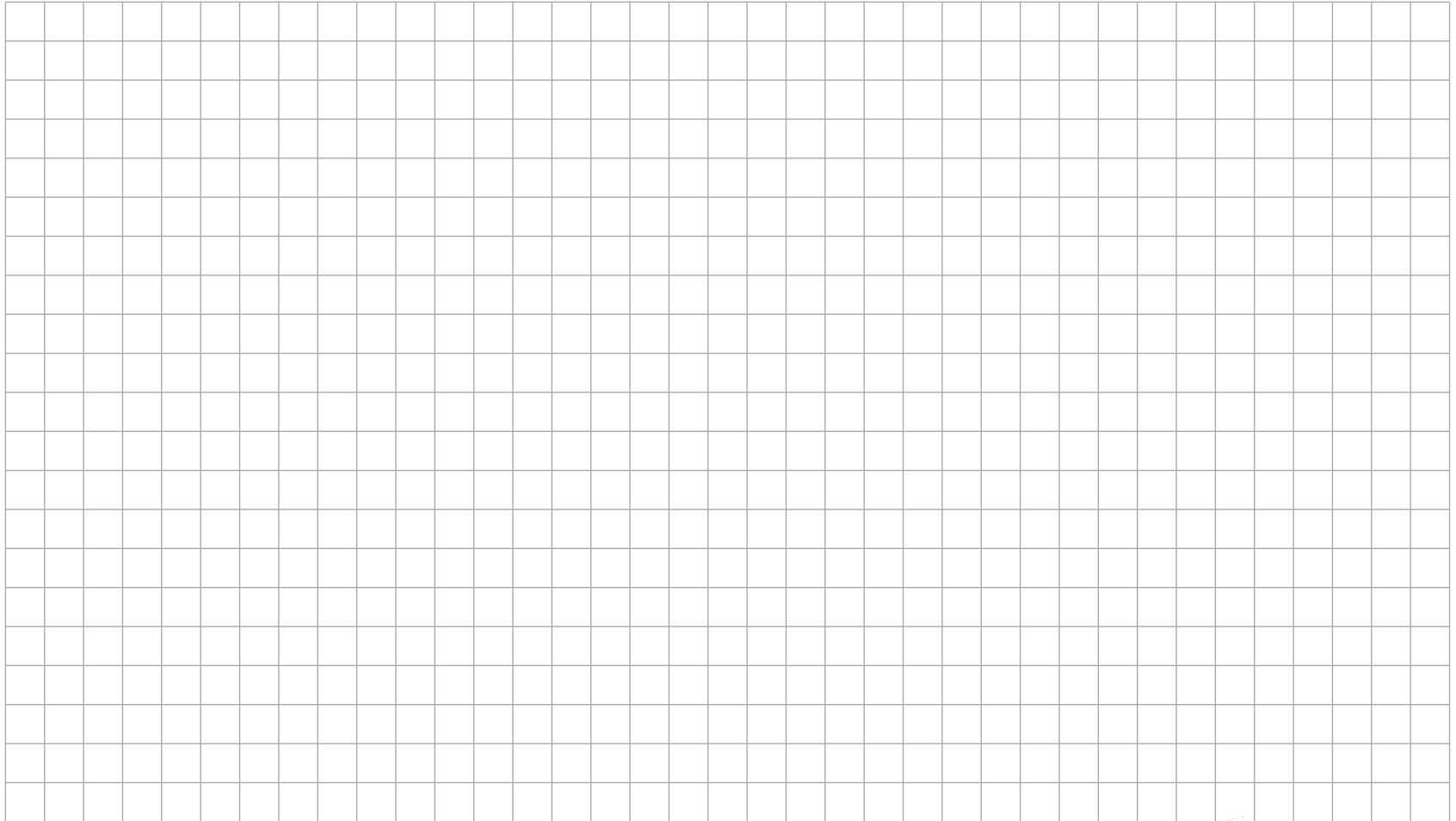
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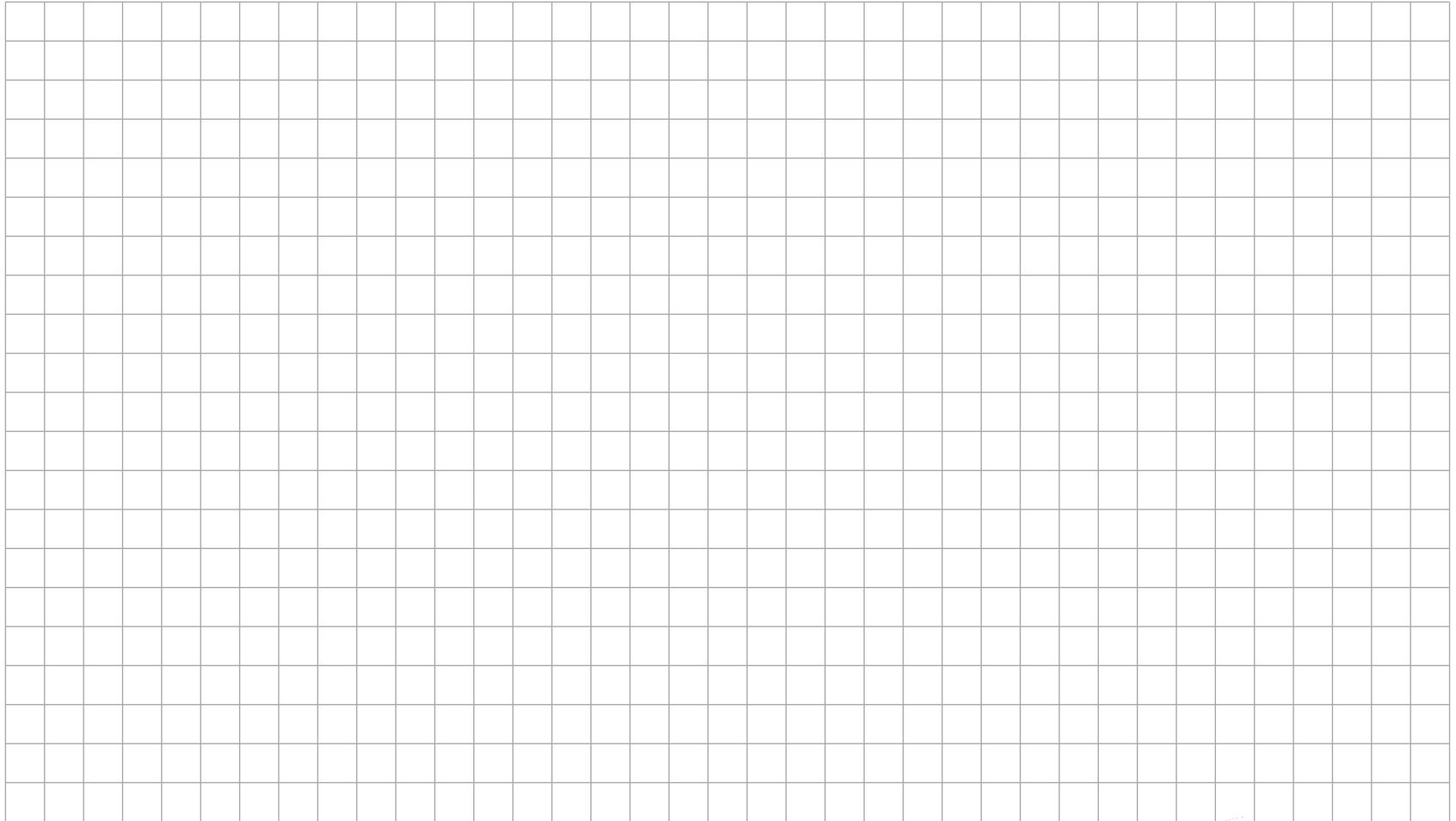
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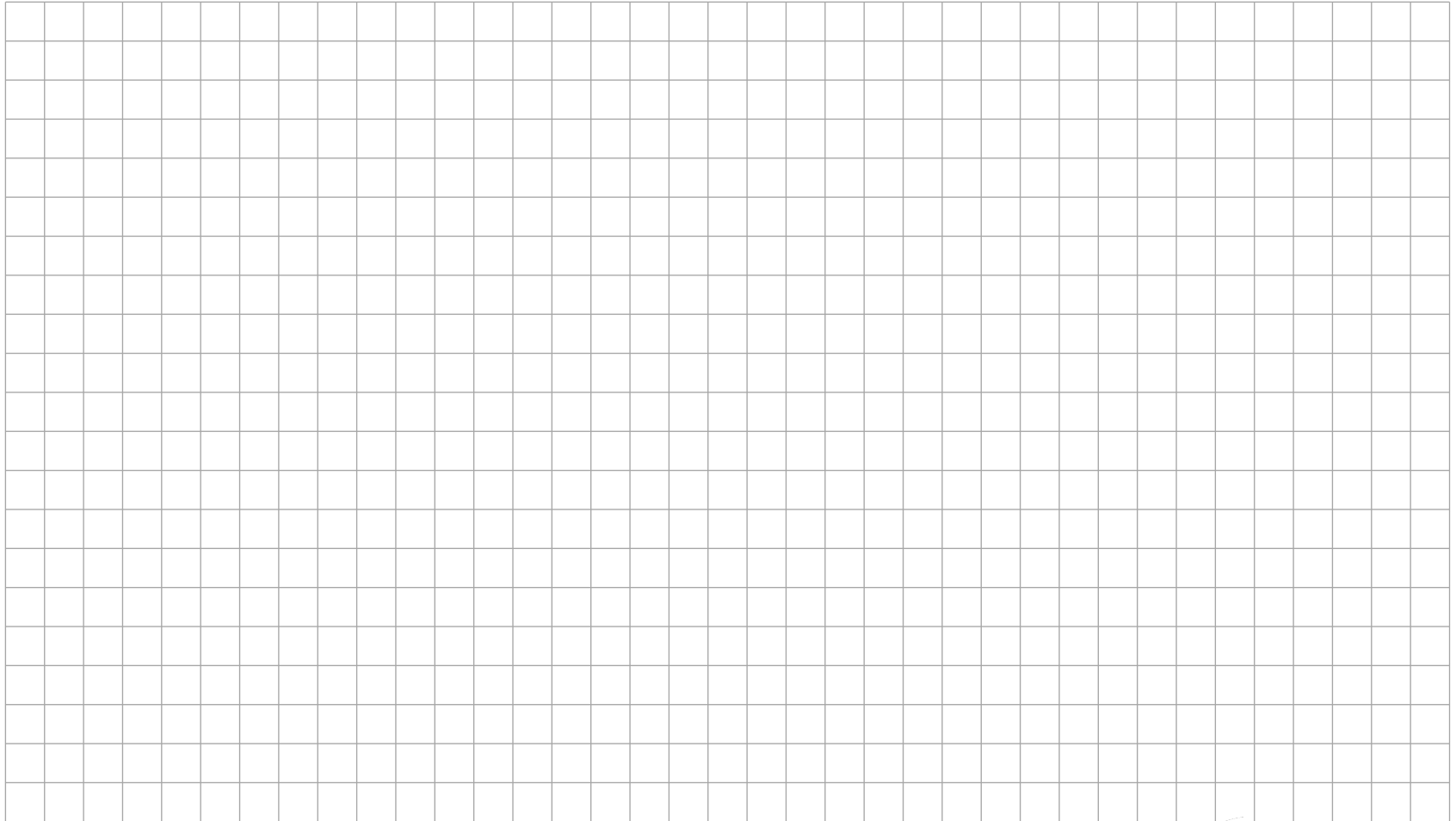
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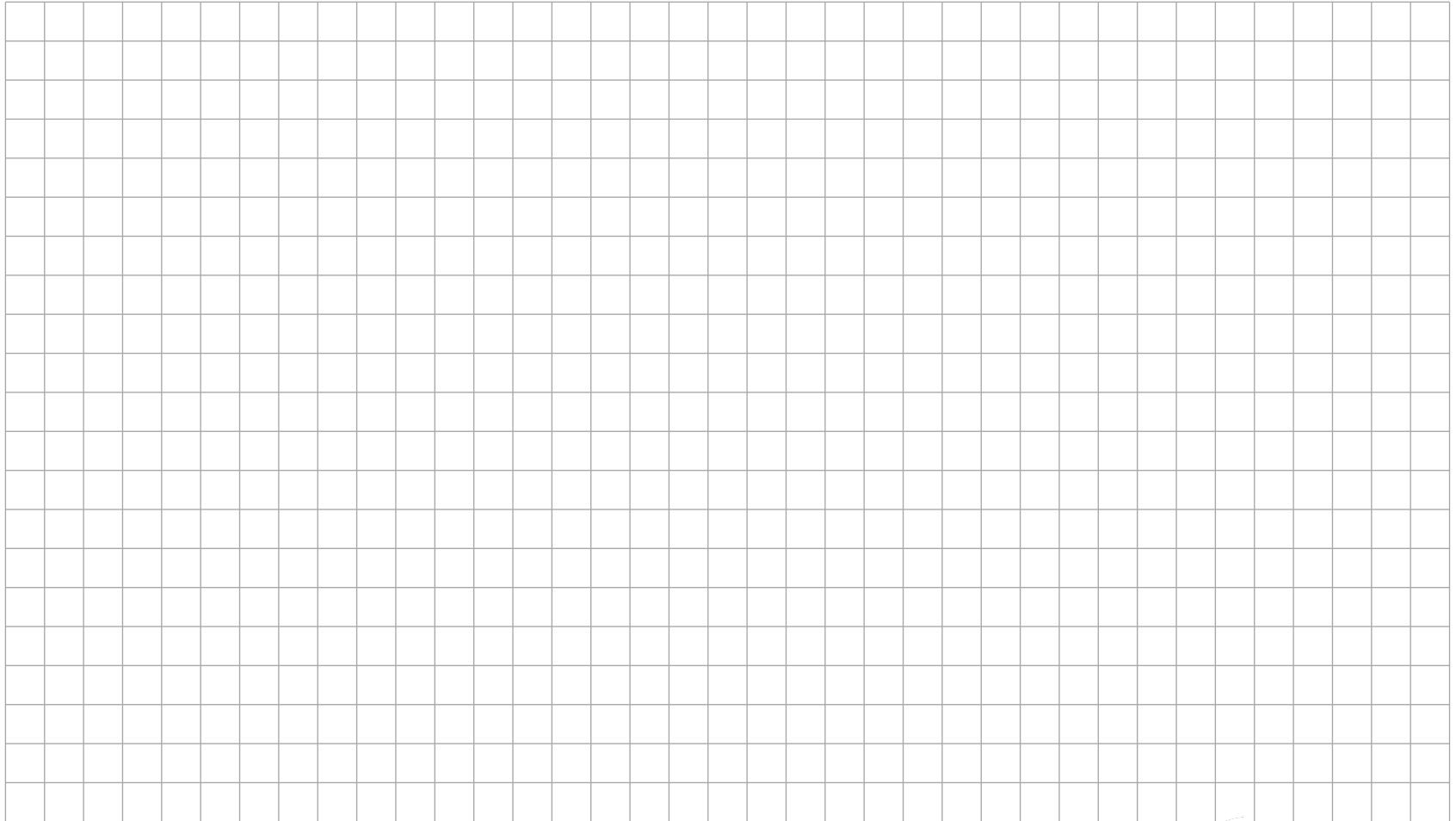
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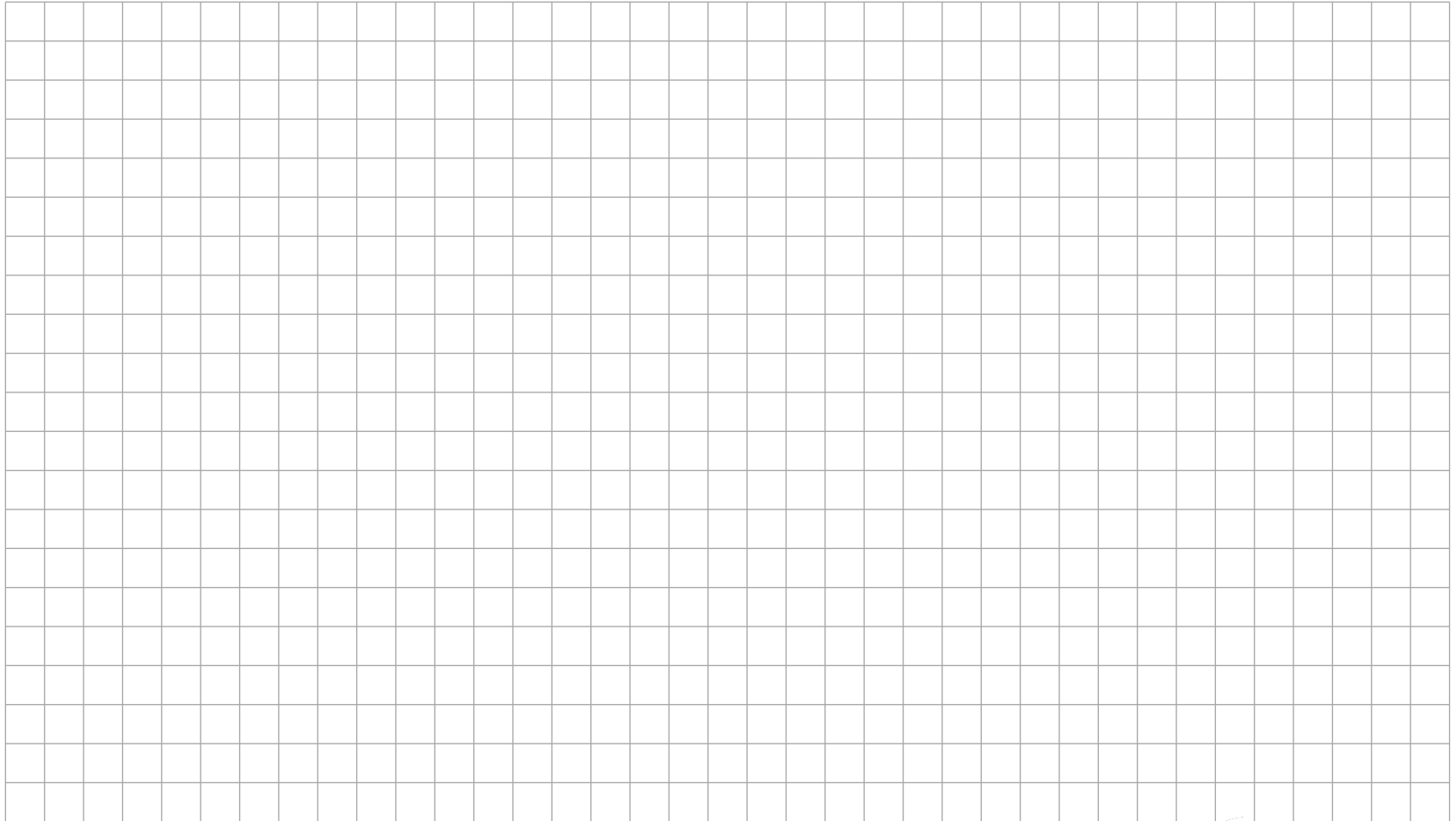
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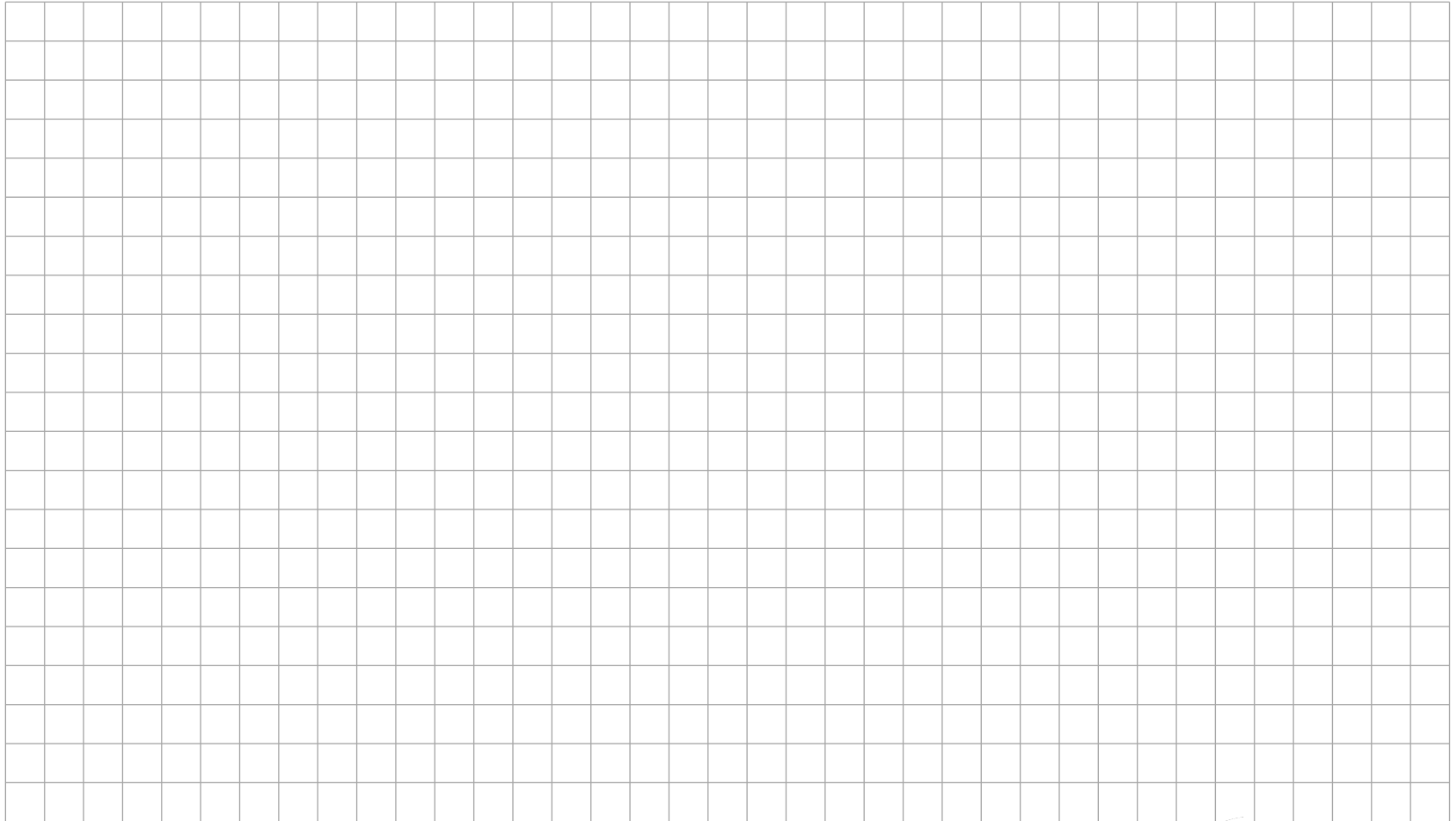
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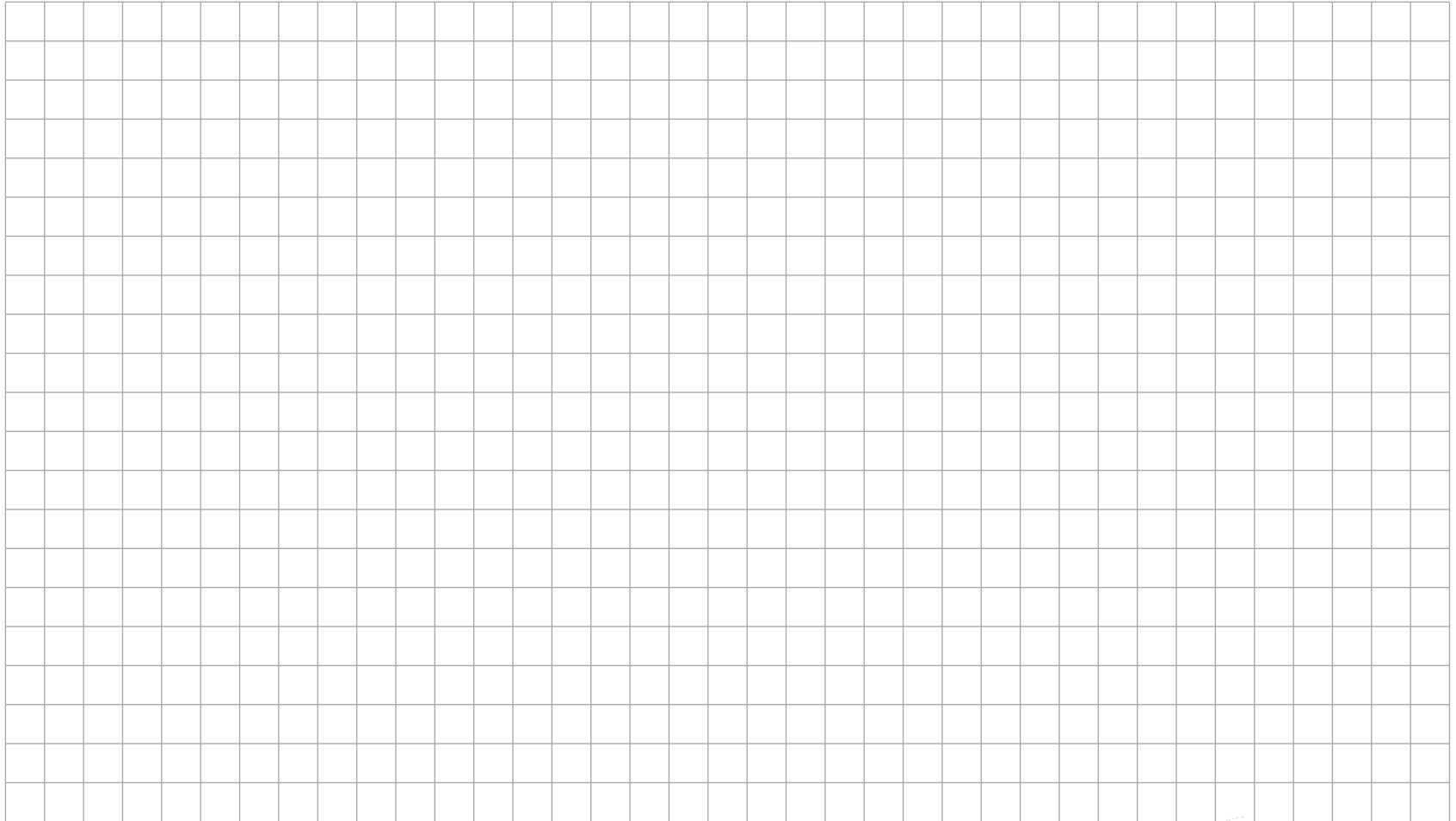
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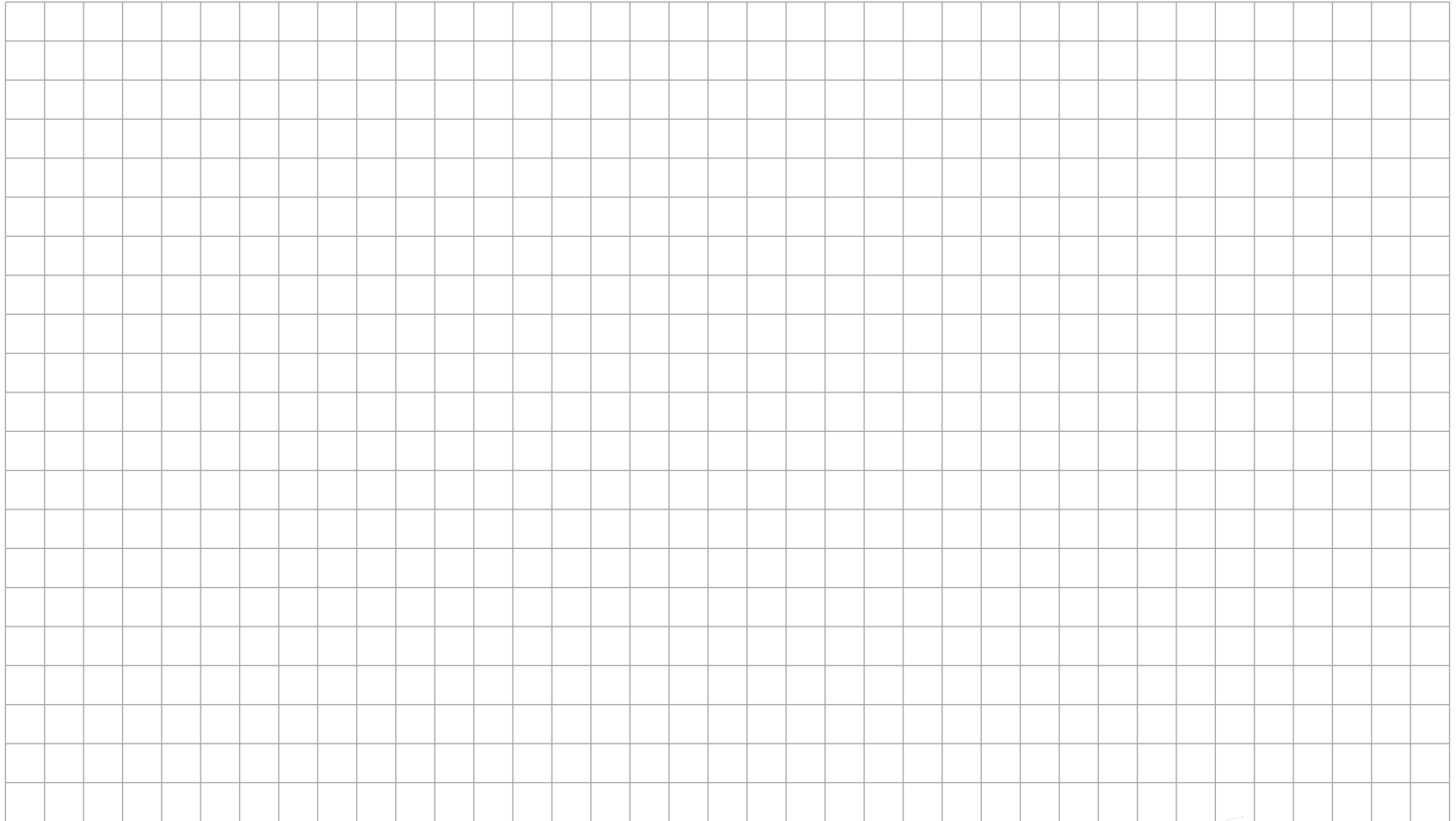
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Notes



Campus Experiments – The Best Coffee in Meschede

Action Learning for Advanced Methodological Decision Making

- Coffee is part of our daily routine and consumed at multiple occasions throughout the day. However, the coffee available at our campus in Meschede is not as good as the one brewed at our favourite coffee place.
- We **aim** to find out what constitutes good coffee, how to brew it and how to serve it by **temporarily opening our own coffee bar at the campus**.
- We **perform real-world experiments** for our data collection and use this data to iteratively **find the best coffee** and the optimal tasting product portfolio for the students in Meschede. Experiments include:
 - *Home-Style vs. Professional Coffee Brewing*
 - *Amount of ground Coffee*
 - *Fine vs. coarse Coffee Grind*
 - *Serving Sizes (Small / Medium / Large)*
 - *Other Parameters (Suggestions Welcome!)*



Collaboration Partners:




Campus Experiments

3 Phases



Seed to Cup – The Coffee Value Chain

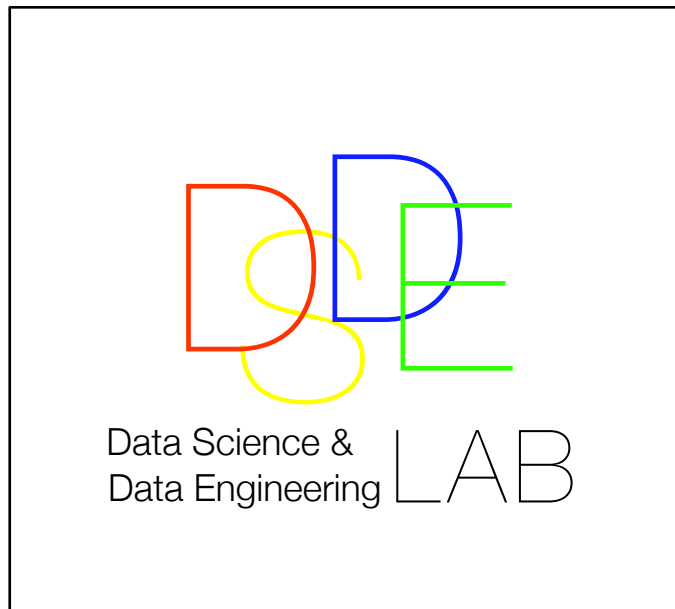
Sustainability and Profitability




The Meschede Coffee Bar Logo

Evidence based experimental Campus Bar



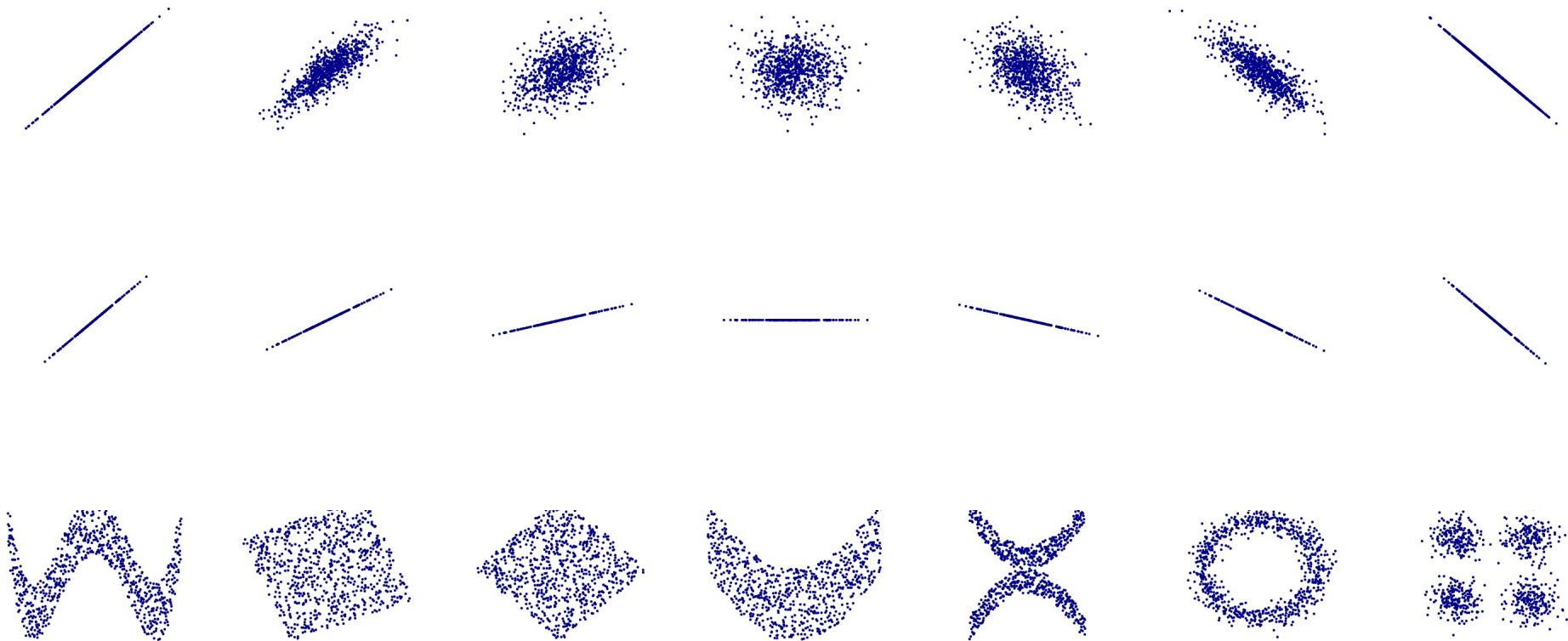


- 
- La Marzocco GS3 AV
 - Faema Faemina
 - Victoria Arduino Eagle One Prima

 - Sanremo YOU
 - Decent Espresso DE 1

Correlation

Guess the Correlation Coefficient!



References:

Prof. Dr. Benjamin Buchwitz
Slide 19 (2022)

*We have not succeeded in answering all our problems.
The answers we have found only serve to raise a whole
set of new questions. In some ways we feel we are as
confused as ever, but we believe we are confused on a
higher level and about more important things.*

*Posted outside the mathematics reading room,
Tromsø University, Bernt Øksendal*