



Step 1: Preparation null

<https://github.com/Justus-G/umr-data-integration-project>

Justus
Marcian

Corona and Weather

- Did Corona spread faster/slower, because of the Weather?
 - Weather effects socialization and quarantine
- Symptoms are only recognized after some time after the Infection
 - Might need to transform data

Data
Integration

<student-name1>
<student-name2>

Slide **2**

Corona (Robert Koch-Institut)

- <https://github.com/robert-koch-institut>
- **Infection:**
 - [**IdLandkreis**, Altersgruppe, Geschlecht, Meldedatum, **Refdatum**, IstErkrankungsbeginn, NeuerFall, NeuerTodesfall, NeuGenesen, AnzahlFall, AnzahlTodesfall, AnzahlGenesen]
- **Vaccination:**
 - [**Impfdatum**, **BundeslandId**_Impfort, Impfstoff, Impfserie, Anzahl]
- **Hospitalization:**
 - [**Datum**, **Bundesland**, Bundesland_Id, Altersgruppe, 7T_Hospitalisierung_Faelle, 7T_Hospitalisierung_Inzidenz]

Data
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<student-name1>
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Slide **3**

Weather

- Individual Files → ELT to one File
- File containing one day
- Columns
 - [**Wetterstation**, MinimumTemp, MaximumTemp, Erdboden, Schneehöhe, StärksteWindböe, Niederschlag, Sonnenscheindauer]
- Wetterkontor.de
 - Extract via web crawler
 - Find better source

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Slide 4

<dataset-x>

- Describe the dataset in 1-2 sentences
- Illustrate its structure, don't go into detail during presentation
- Post the source from where you got the data

Data
Integration

<student-name1>
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Slide **5**

Corona vs. Weather

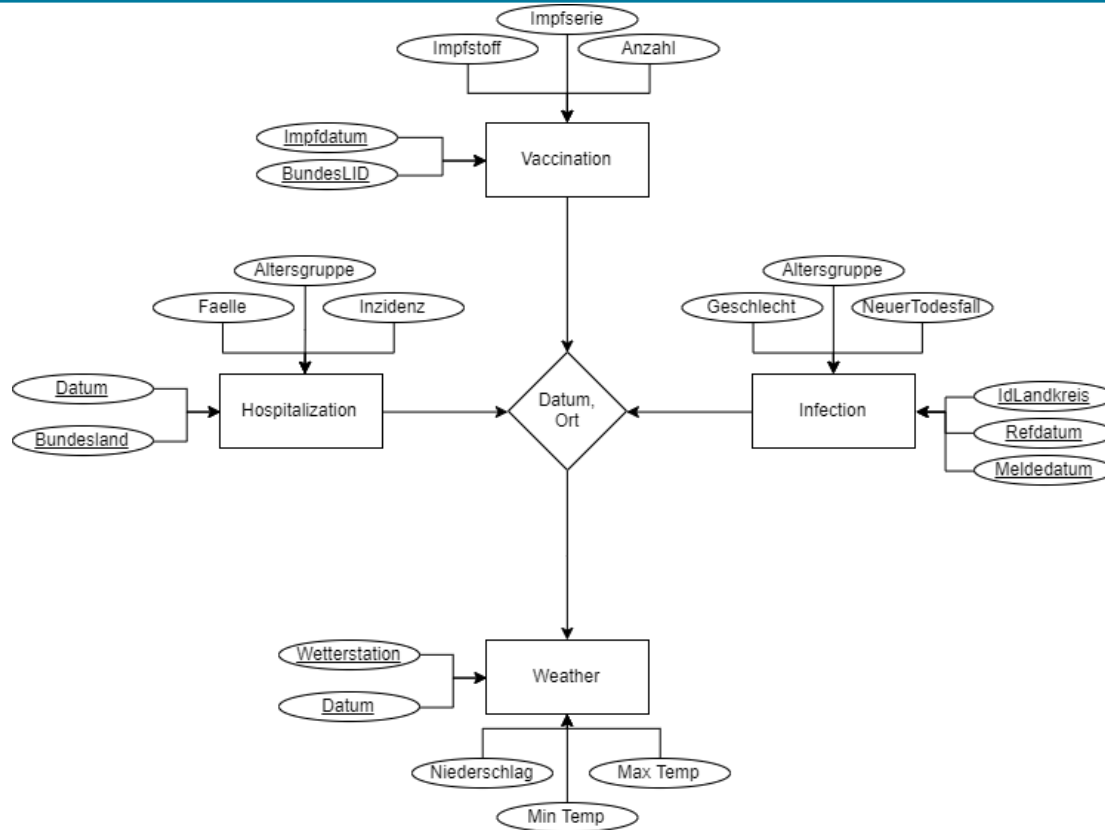
- Did Corona spread faster/slower, because of the Weather?
 - socialize more on warm days → More Corona Infections
 - socialize less on rainy days → Less Corona Infections
- Could be Visualized on
 - Map over time (Germany states, Weather, Corona)
 - Chart to show if there is correlation between Weather and Corona

Data
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Slide **6**

ER-Diagram



Data
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Slide **7**