Test presentation

Tuyen Huynh

Data description

In the evening

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24/10/2023

Data description

Epidemiological data

- **Source**: Ho Chi Minh City CDC
- **Temporal coverage**: 2000 – 2022 (inclusive)
  - **Train set**: 2000 – 2017
  - **Validation set**: 2018
  - **Test set**: 2019
- **Format**: Weekly aggregated admission
  - Raw format is line listing – each case admission is one row
- **Spatial coverage**: Ho Chi Minh City
- In-patient cases only
  - out-patient data is only available from 2017

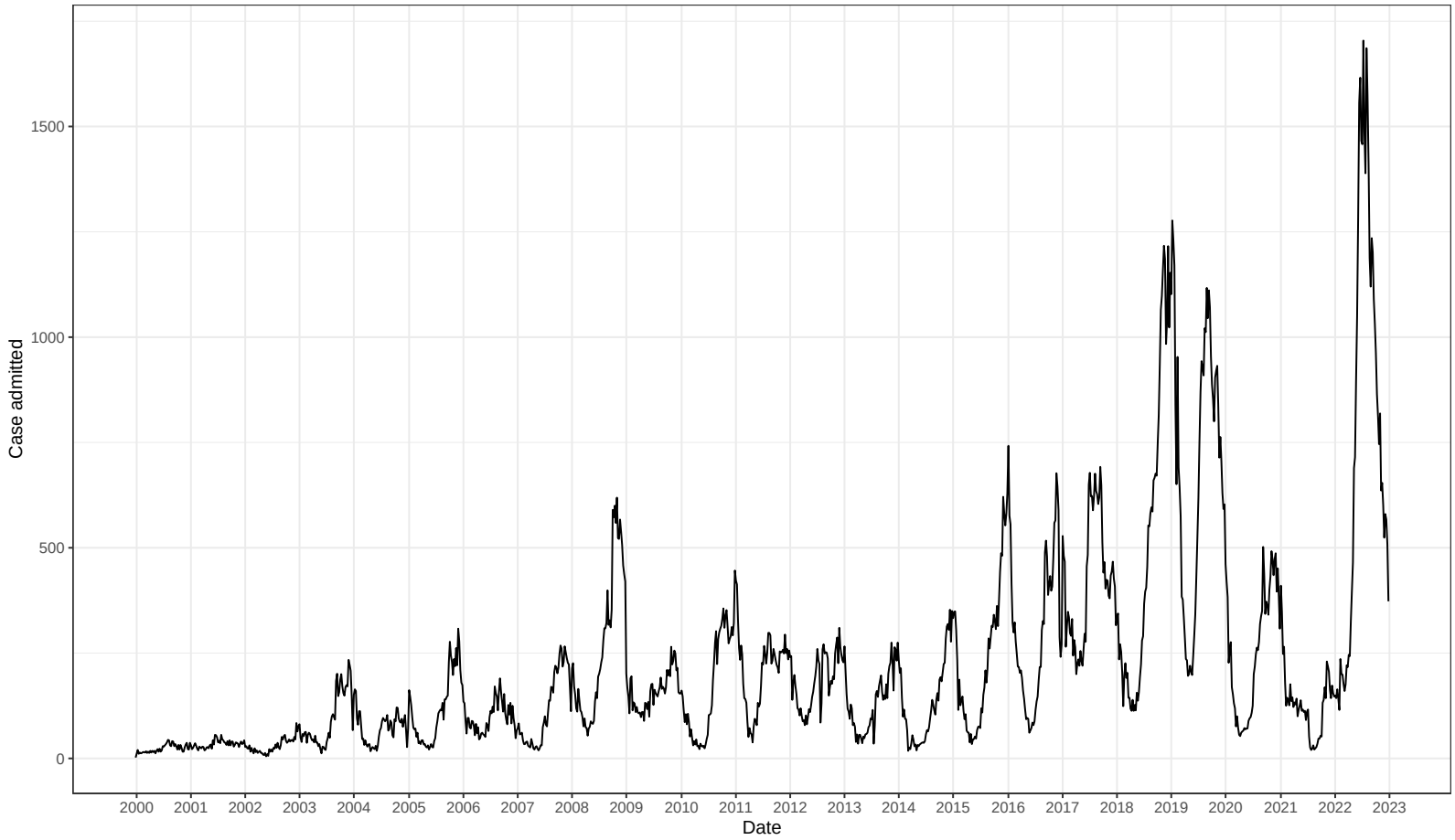

Figure 1: Dengue weekly incidence time series

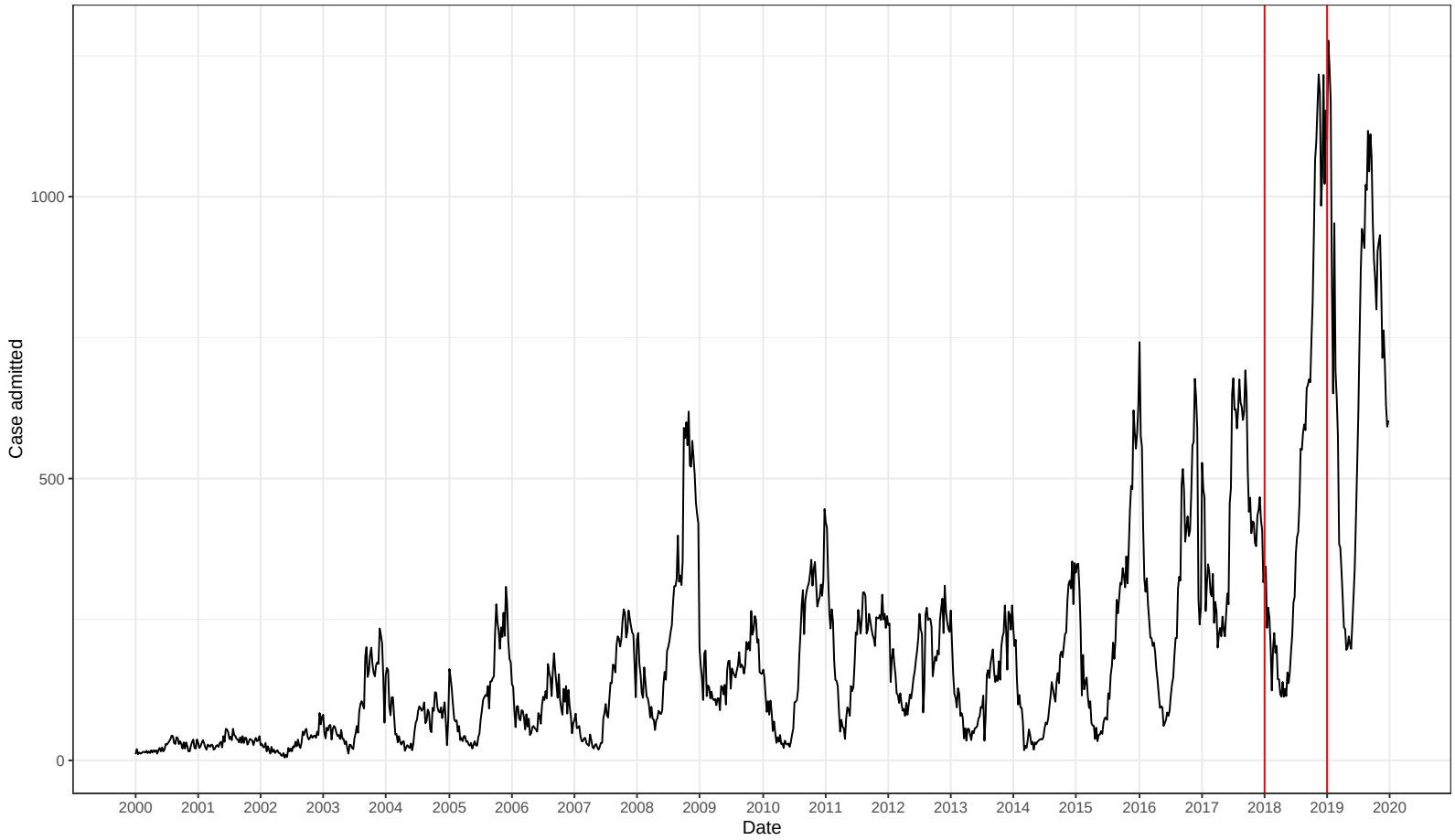

Figure 2: Train - validation - test set splits

Meteorological data

- **Source**: ERA5 – ECMWF atmospheric reanalysis (5th gen)
  - **Variables**: 2m temperature, total precipitation, relative humidity
  - All variables are daily aggregated
- **Temporal coverage**: 1999 – 2022 (inclusive)
  - **Train set**: 2000 – 2017
  - **Validation set**: 2018
  - **Test set**: 2019
- Temporal resolution: Daily
- Spatial coverage: Ho Chi Minh City*

** cropped by Ho Chi Minh City 10km buffer bounding box and then spatially aggregated in R*

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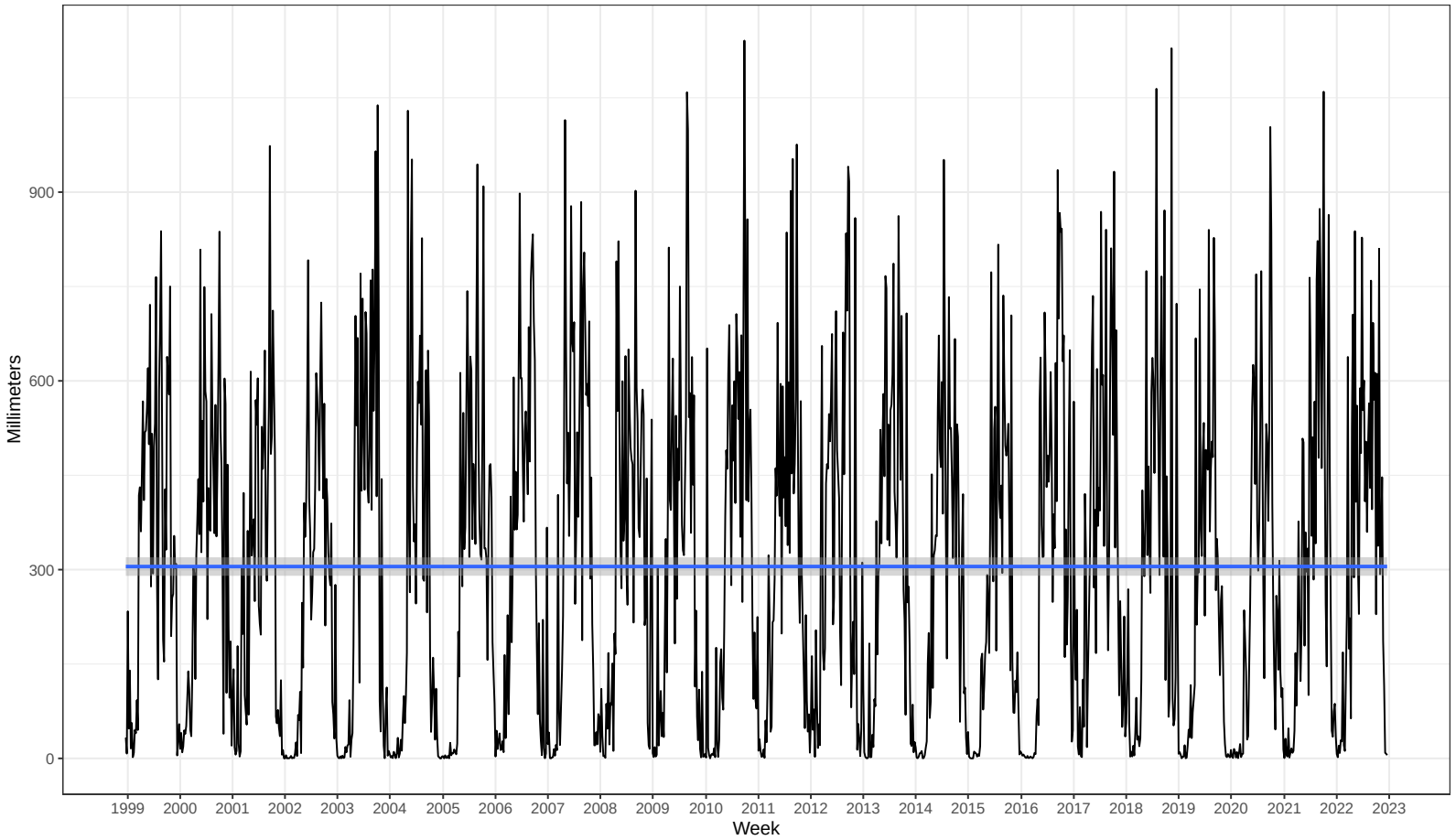
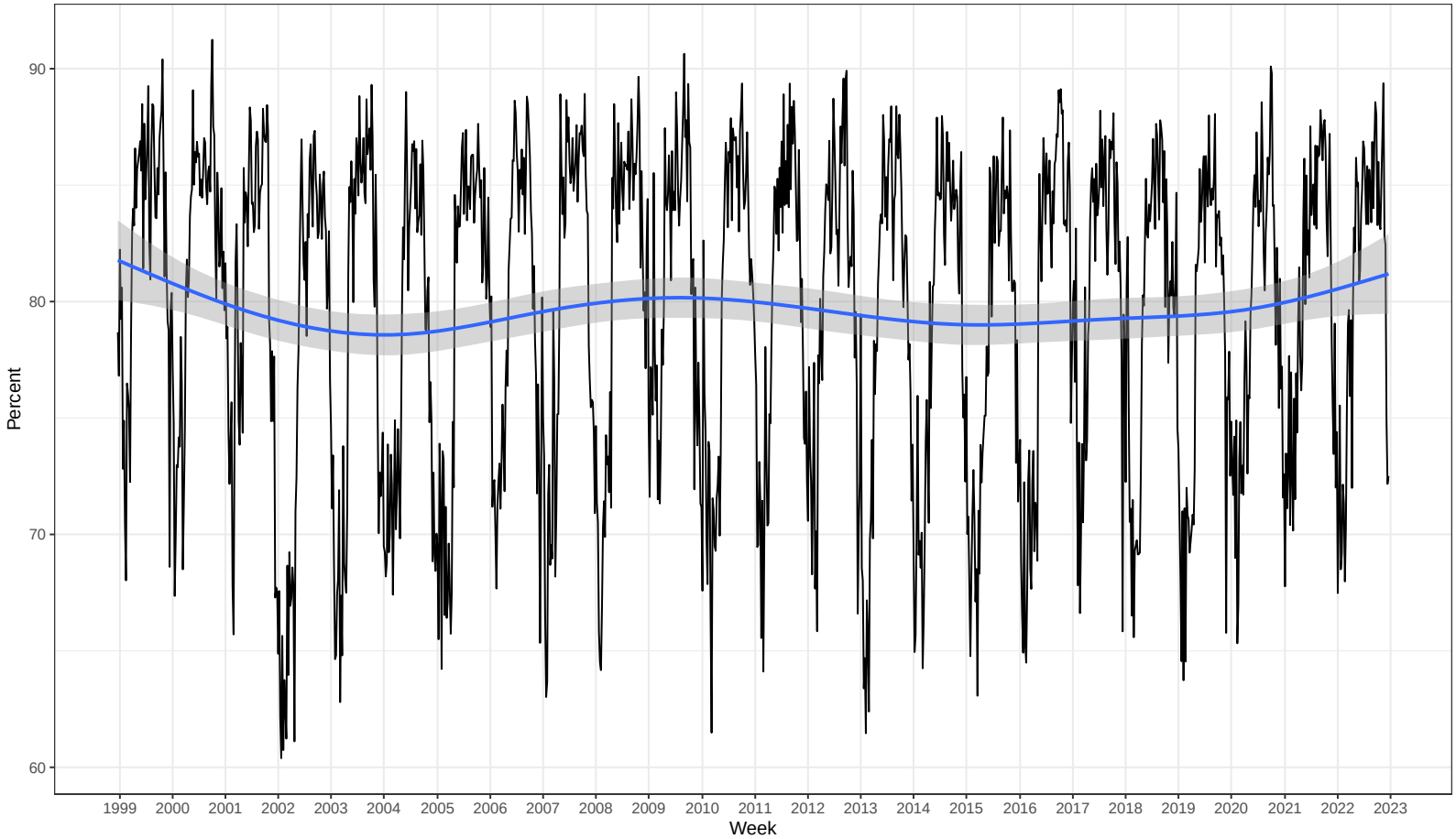


Figure 3: Weekly total precipitation



Getting up

- Turn off alarm
- Get out of bed

Breakfast

- Eat eggs
- Drink coffee

In the evening

Dinner

- Eat spaghetti
- Drink wine

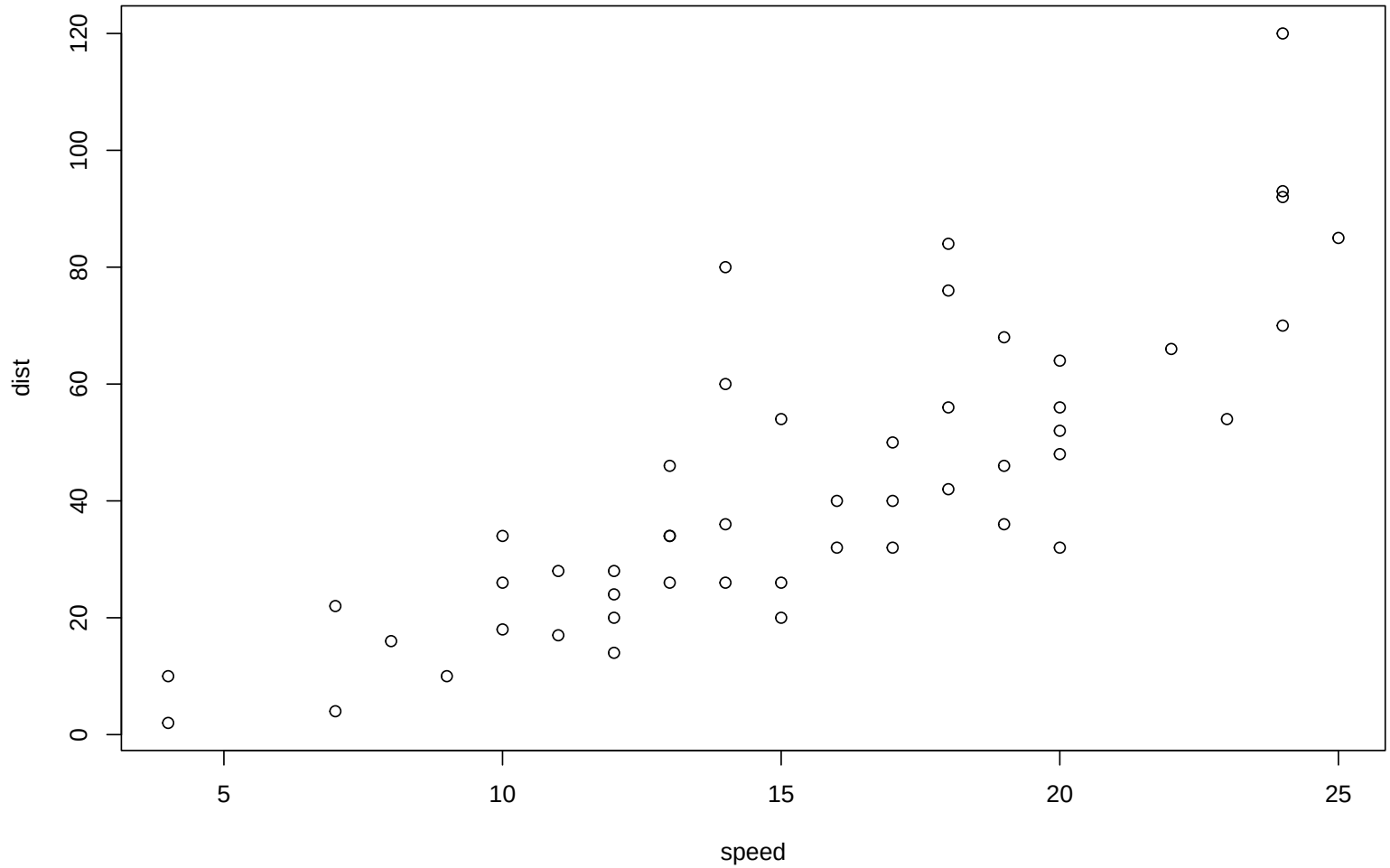


Figure 4: A scatterplot.

Going to sleep

- Get in bed
- Count sheep