We'll focus on text classification

Example: sentiment analysis

- Input: text of review
- Output: class of sentiment
  - e.g. 2 classes: positive vs negative
- Positive example:
  - The hotel is really beautiful. Very nice and helpful service at the front desk.
- Negative example:
  - We had problems to get the Wi-Fi working. The pool area was occupied with young party animals. So the area wasn't fun for us.