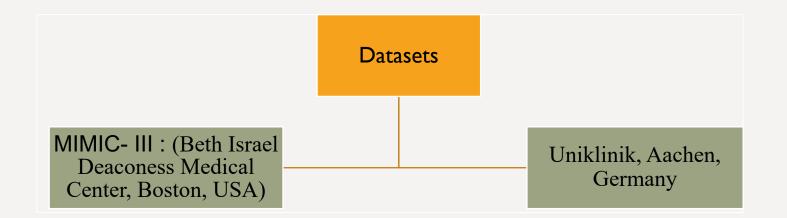
FEATURE SELECTION FOR PATIENT POPULATION DISCRIMINATION

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Data:

- Nearly 17900 patients from each dataset
- 100 features

Questions:

- If we pick up a patient out of these 35800, can we figure out which dataset he/she belongs to?
- Do all 100 features matter?
- What do "non discriminating" features tell us?

MY THESIS WORK : INVESTIGATE THE HETEROGENEITY BETWEEN TWO PATIENT POPULATIONS



The problem is posed as a binary classification problem



high classification
accuracy are discriminatory
and can be used to predict
the data source of a
randomly drawn patient
from the two populations.



Subsets that generate accuracy close to chance because classifiers for them cannot distinguish the data source of a randomly-drawn patient.

