

Data

Human samples:
330,508 microarray,
119,863 RNA-seq

Mouse samples:
123,279 microarray,
121,828 RNA-seq

Publicly available expression data

Methods

Metadata extraction and
normalization

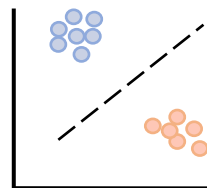
Expression-based
sex labels

Sex

Cell-line

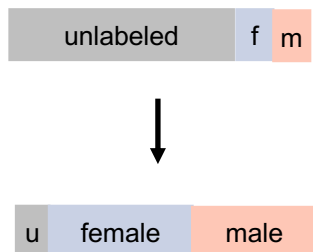
Drug

Elastic net
classifier

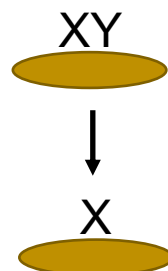


Results

Sex breakdown



Complexity of
cell line "sex"



Identifying
misabeled data



Sex bias in
drug studies

