

Plato

Datapoint

Age:

Education:

Hours per week:

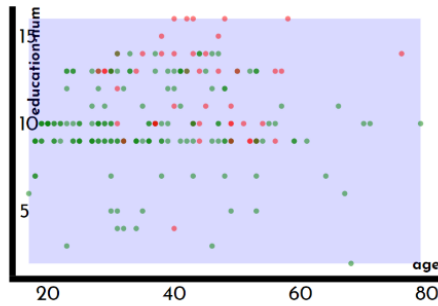
Capital Gain:

Capital Loss:

Actual label:

Models

Each point corresponds to one data point, colored by its label



X-axis: age

Y-axis: education-num

axis_aligned

pca

mbs

tsne

Participants can choose which values are assigned to different axes, or view in a PCA, MDS, or tSNE projected axes.

age

79.00

education-num

16.00

capital-gain

34095.00

capital-loss

2179.00

hours-per-week

80.00

Sliders let the user control what region the next artificial data point will be created in.

Participants are queried to give a label for an artificial data point.

Active Model Selection

For the following data point

Age: 60

Education: 9

Hours per week: 45

Capital Gain: 0

Capital Loss: 0

What value do you expect for the attribute **Yearly Salary**?

<=50K

>50K

Not Sure

Random Datapoint

Datapoint

Age: 28

Education: 13

Hours per week: 40

Capital Gain: 0

Capital Loss: 0

Actual label: $\leq 50K$

By hovering the mouse over the model predictions, participants can see details of each data point (both real and artificial) in this portion of the screen.

Models

m1	✓	✗	✓	✓	✓
m2	✓	✓	✗	✗	✓
clf_l1	✓	✗	✓	✗	✓
clf_l2	✓	✓	✓	✗	✓
distance_knn	✓	✓	✓	✓	✓
entropy_dt	✓	✗	✓	✗	✓
gini_dt	✓	✗	✓	✓	✓
nb1	✗	✗	✓	✓	✗
nb2	✗	✗	✓	✓	✗
uniform_knn	✓	✓	✗	✗	✓

After each selection, participants view how each of the models predicted on the artificial data.

Active Model Selection

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$\leq 50K$

$> 50K$

Not Sure

Random Datapoint