Example:
Document Analysis

Analysis of Documents

x_i = features
for document i

features

Word 1	Word 2	Word 3	•	•	•	•	Word V

Analysis of Documents

x_i = features
for document i

features

Word 1	Word 2	Word 3	•	•	•	•	Word V
11	20	10	•	•	•	•	32

number of times each
word appears in document

Analysis of Documents

x_i = features
for document i

features

Word 1	Word 2	Word 3	•	•	•	•	Word V
11	20	10	•	•	•	•	32

number of times each
word appears in document

outcome

Liked/ Disliked
1

Analysis of Documents

x_i = features
for document i

features

Word 1	Word 2	Word 3	•	•	•	•	Word V
11	20	10	•	•	•	•	32

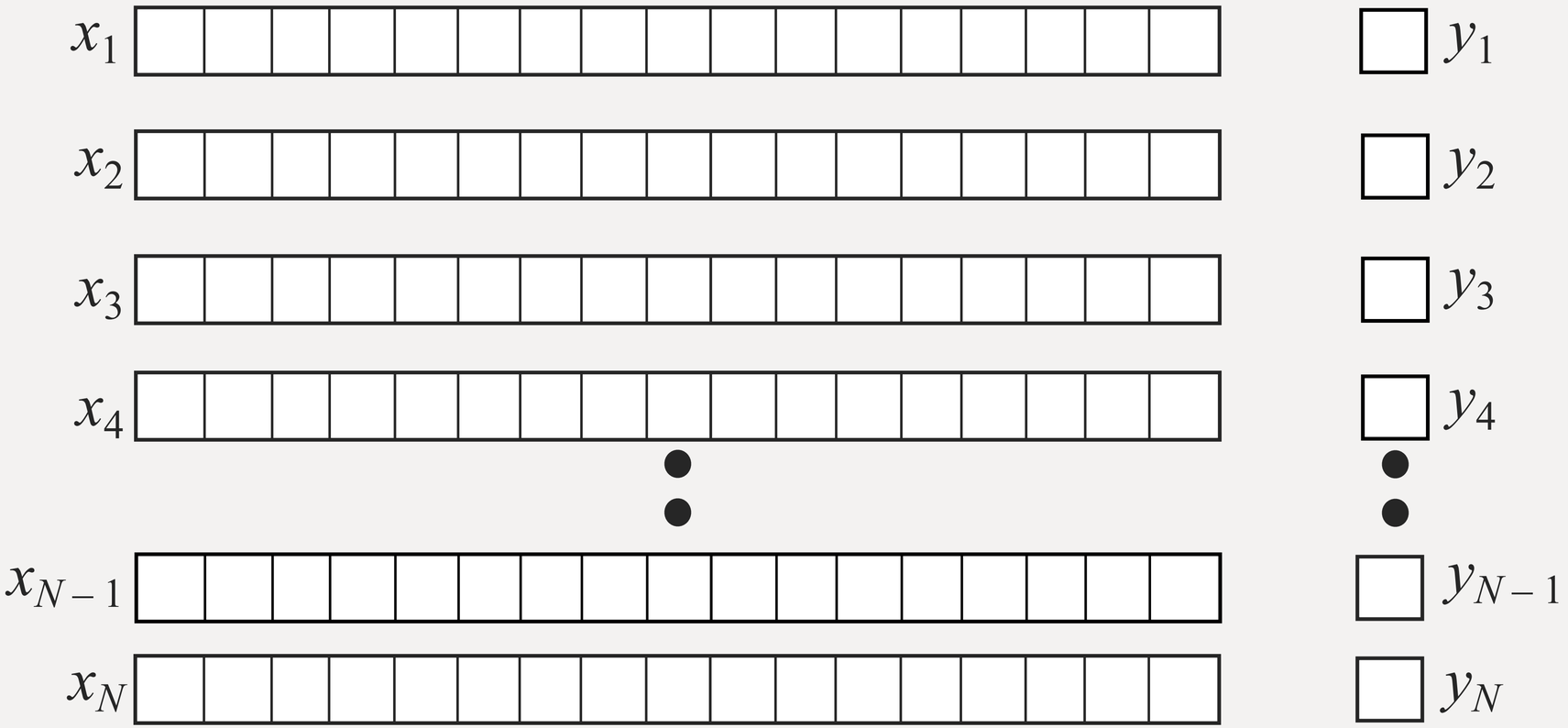
number of times each
word appears in document

outcome

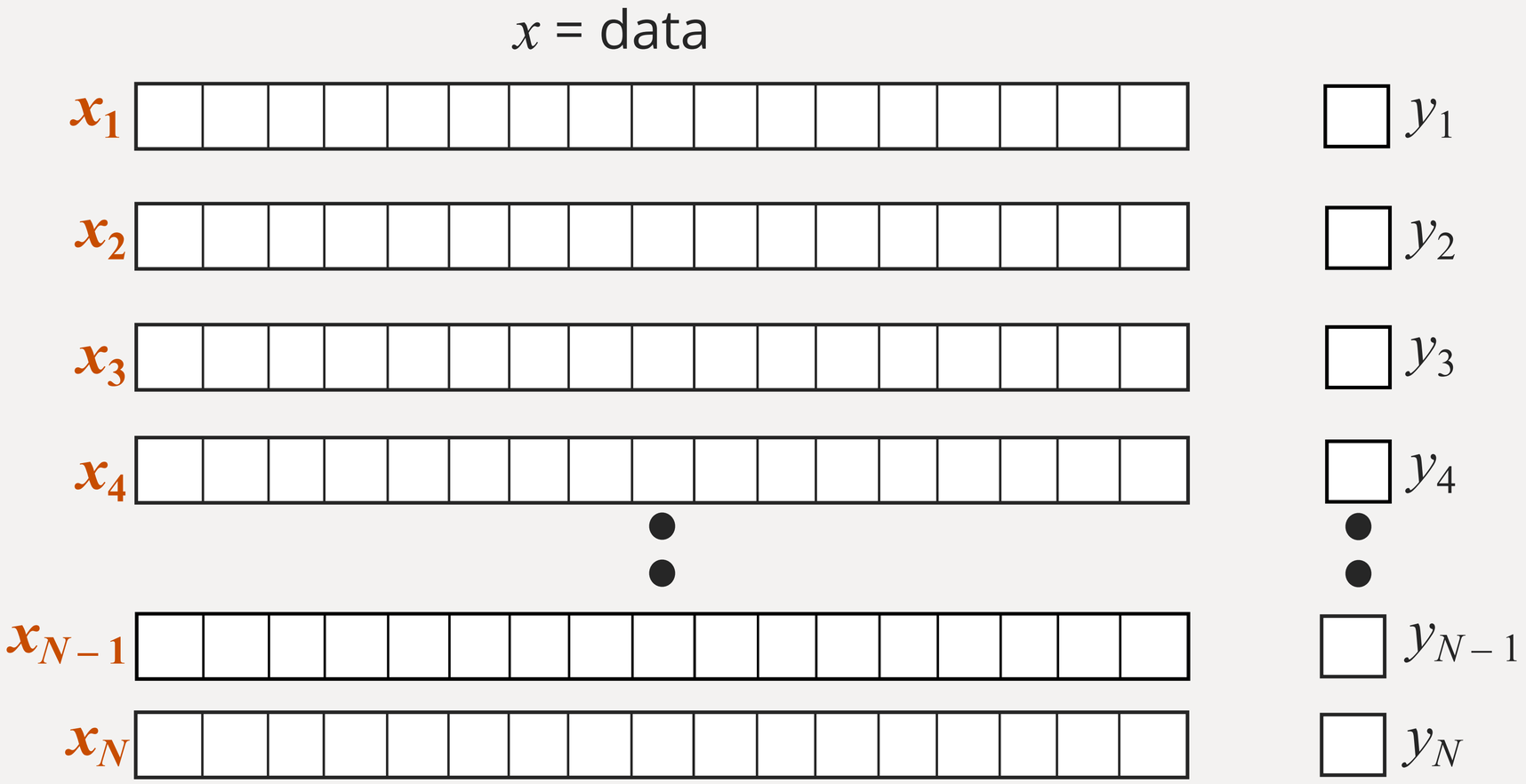
Liked/ Disliked
1

y_i = 1, like
y_i = 0, dislike

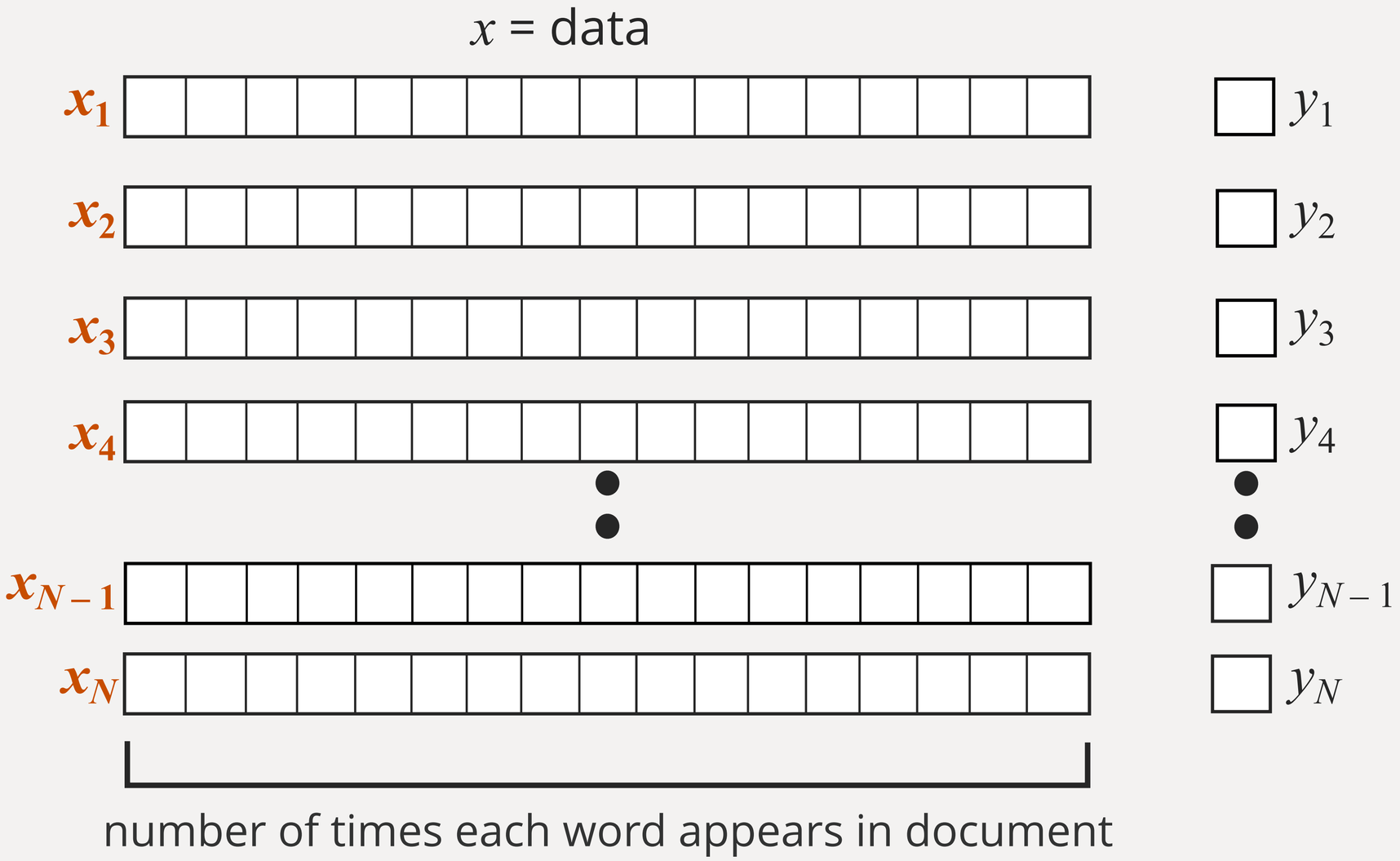
Training Set



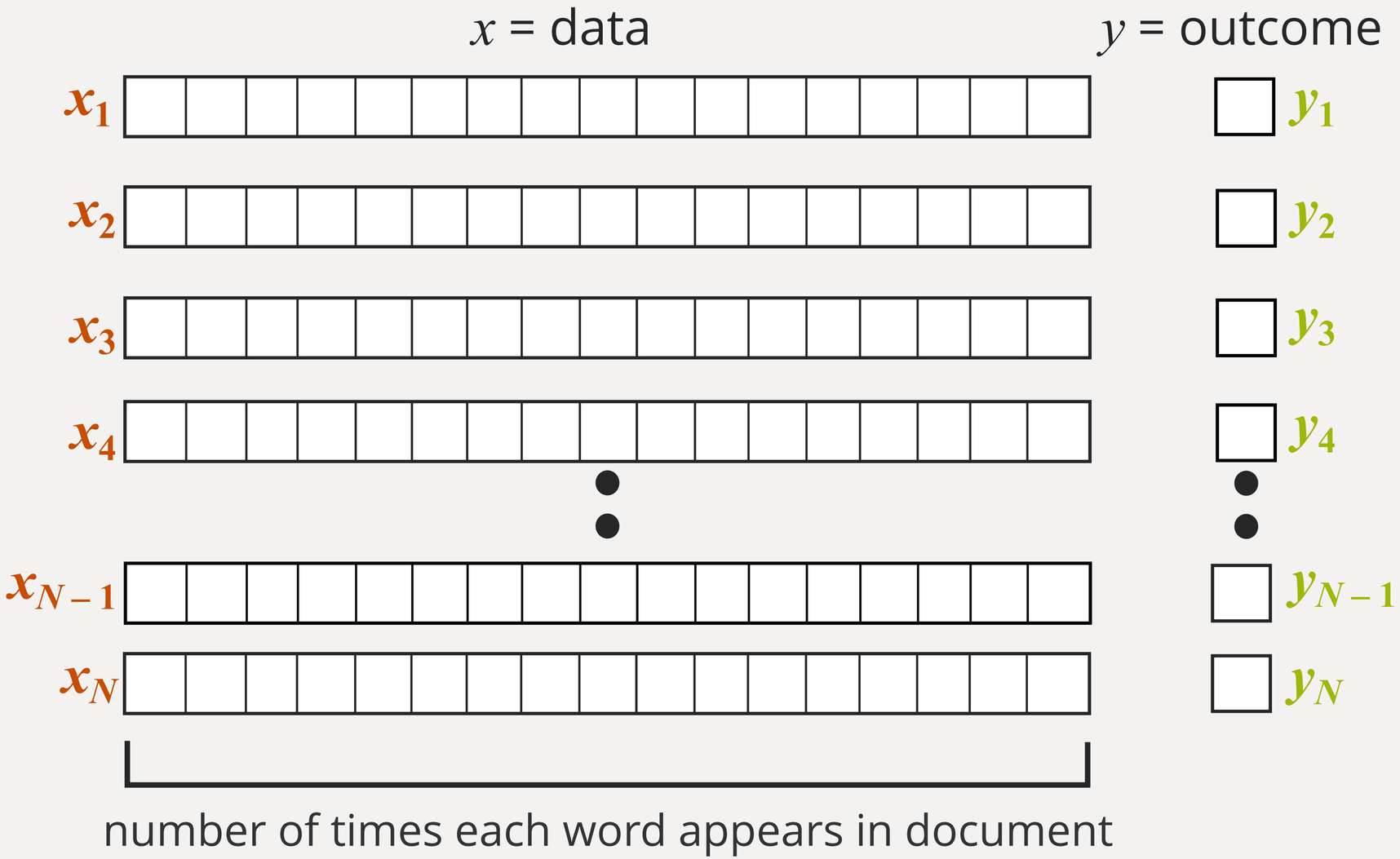
Training Set



Training Set



Training Set



Training Set