

# Exploring anonymized data

# Video overview

1. What is anonymized data?
2. What can we do with it?

# Anonymized data

# Anonymized data

Text	Encoded text
I want this table	7ugy 972h 98ww hj34
Table is what I want	hj34 4f08 rtte 7ugy 972h
This table is red	98ww hj34 4f08 4rj9
And this is me	jk8r 98ww 4f08 9jo4

# Anonymized data

id	x1	x2	x3	x4	x5	x6
1	m268i97y	0	NO	105.4	14	
2	j0gheu6	1	YES	25.631	12	
3	26fmsp6u	1	NO	12.0	12	m268i97y
4	13e5dpzp	0	NO	140.12	14	m268i97y

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- Explore individual features
  - Guess the meaning of the columns
  - Guess the types of the column
- Explore feature relations
  - Find relations between pairs
  - Find feature groups

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# Notebook



# Exploring individual features: guessing types

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# Exploring individual features: guessing types

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4	13e5dpzp	0	NO	140.12	14	m268i97y

Helpful functions:

```
df.dtypes
```

```
df.info()
```

```
x.value_counts()
```

```
x.isnull()
```

# Conclusion

- Two things to do with anonymized features:
  - **Try to decode the features**
    - Guess the true meaning of the feature
  - **Guess the feature types**
    - Each type needs its own preprocessing