```
In [2]: import os
        os.makedirs(os.path.join('...', 'data'), exist_ok=True)
data_file = os.path.join('...', 'data', 'house_tiny.csv')
        with open(data file, 'w') as f:
             f.write('''NumRooms,RoofType,Price
        NA, NA, 127500
        2,NA,106000
        4, Slate, 178100
        NA, NA, 140000''')
In [4]: import pandas as pd
        data = pd.read csv(data file)
        print(data)
          NumRooms RoofType
                                Price
       0
                         NaN 127500
                NaN
                         NaN 106000
       1
                2.0
       2
                4.0
                       Slate 178100
       3
                NaN
                         NaN 140000
In [5]: inputs, targets = data.iloc[:,0:2], data.iloc[:,2]
        inputs = pd.get_dummies(inputs, dummy_na=True)
        print(inputs)
          NumRooms RoofType Slate RoofType nan
       0
                NaN
                               False
                                               True
                2.0
                                               True
       1
                              False
       2
                4.0
                               True
                                              False
       3
                NaN
                               False
                                               True
In [6]: inputs = inputs.fillna(inputs.mean())
        print(inputs)
          NumRooms RoofType Slate RoofType nan
       0
                3.0
                               False
                                               True
       1
                2.0
                               False
                                               True
       2
                4.0
                               True
                                              False
       3
                3.0
                               False
                                               True
In [7]: import torch
        X = torch.tensor(inputs.to_numpy(dtype=float))
        y = torch.tensor(targets.to_numpy(dtype=float))
        X,y
Out[7]: (tensor([[3., 0., 1.],
                  [2., 0., 1.],
                   [4., 1., 0.],
                   [3., 0., 1.]], dtype=torch.float64),
          tensor([127500., 106000., 178100., 140000.], dtype=torch.float64))
```

Discussion: First, I created a data file, and I was surprised to find that, despite using what I felt was a somewhat forced method, the CSV file came out correctly when printed. (I used a multi-line string for the input and separated the fields with newlines, which is why I described it as a forced method.) Then, I split the 'Rooftype' column into 'Slate' and 'NaN', dividing the table into True/False values and converted it into a tensor. Through this process, I realized that human-friendly data and machine-friendly data have different goals.

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