

# Dataset visualization

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In [27]: from pathlib import Path
import paths
from datasets import VOCDataset
```

```
In [28]: voc_path = Path(paths.CV_PATH_VOC)
dataset = VOCDataset(voc_path, voc_path / "ImageSets" / "Segmentation" / "val.txt",
                    load_captions=True)
```

```
In [29]: def show_datapoint(n):
    data = dataset[n]
    display(data["image"])
    print(f"Reference caption: {data['caption']}")

show_datapoint(0)
```



Reference caption: a plane on the tarmac

```
In [30]: # Load and show generated captions
# todo update the path to match your experiment
pred_captions_file = "outputs/eval_captioning/2023_05_09_00_14_56/pred_captions.
with open(pred_captions_file, "r", encoding="utf-8") as f:
    pred_captions = f.readlines()
assert len(pred_captions) == len(dataset)

def show_caption(n):
    print(f"Generated caption: {pred_captions[n]}")
```

```
In [26]: for i in range(10):
    show_datapoint(i)
    show_caption(i)
```



Reference caption: a plane on the tarmac

Generated caption: a plane and some people in the background staten island airport bounds



Reference caption: two white and red trains parked next to each other

Generated caption: two trains parked on a track mechanical, not only a few



Reference caption: a boat docked in a waterway next to a house

Generated caption: boats on the water near houses - - this is a beautiful picture



Reference caption: a black and white photo of a train at a station

Generated caption: a train at a train station at night establishment, with graffiti





Reference caption: a group of cyclists racing on a track

Generated caption: cyclists racing on a track at night sporting events isbn 9780



Reference caption: two sheep laying in the grass

Generated caption: two sheep on a grassy field the sheep are looking at the camer  
a



Reference caption: a computer is sitting on a desk next to a monitor

Generated caption: a desk with a laptop, monitor, and other electronics stealth gaming



Reference caption: a man and a woman posing for a picture

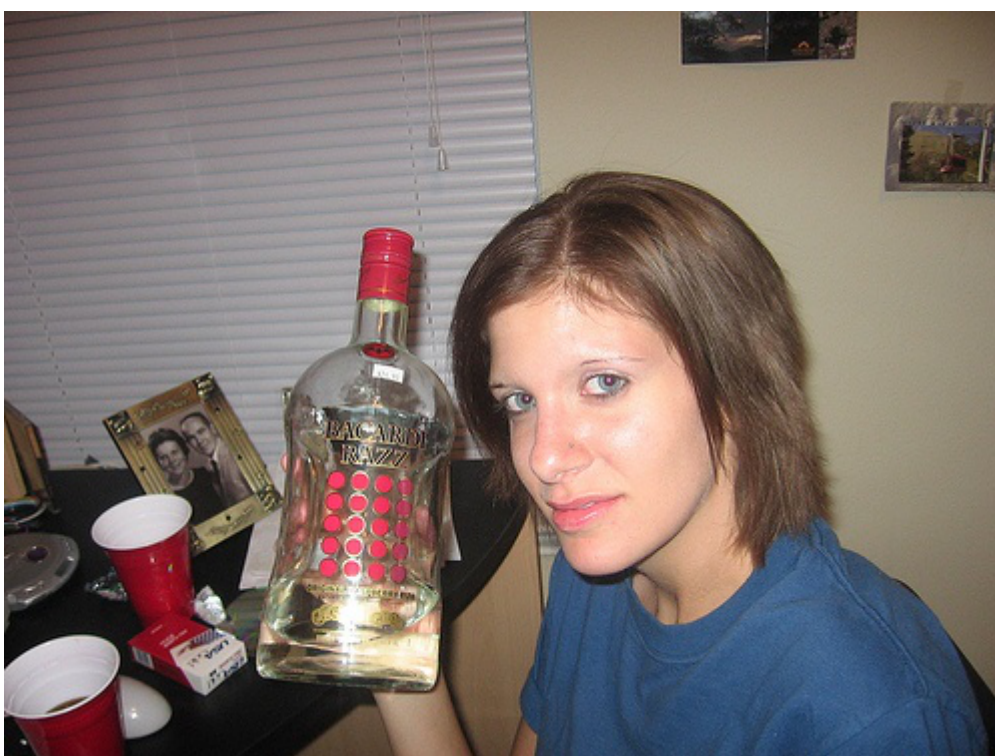
Generated caption: me and my friend so much - i wish i could leave my





Reference caption: a horse standing next to a green slide

Generated caption: a child playing with a pony celestial sporting goods guaranteeing



Reference caption: a woman holding up a bottle of vodka

Generated caption: me holding a bottle of vodka with an empty bottle next to it

In [ ]: