

Penguins

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A simple example based on Allison Horst's [Palmer Penguins](#) dataset. Here we look at how penguin body mass varies across both sex and species (use the provided inputs to filter the dataset by bill length and island):

```
//| panel: input
viewof bill_length_min = Inputs.range(
  [32, 50],
  {value: 35, step: 1, label: "Bill length (min):"}
)
viewof islands = Inputs.checkbox(
  ["Torgersen", "Biscoe", "Dream"],
  { value: ["Torgersen", "Biscoe"],
    label: "Islands:"
  }
)
```

0.0.0.1 Plot

```
Plot.rectY(filtered,
  Plot.binX(
    {y: "count"},
    {x: "body_mass_g", fill: "species", thresholds: 20}
  ))
.plot({
  facet: {
```

```
      data: filtered,  
      x: "sex",  
      y: "species",  
      marginRight: 80  
    },  
    marks: [  
      Plot.frame(),  
    ]  
  }  
)
```

0.0.0.2 Data

```
Inputs.table(filtered)
```

```
data = FileAttachment("palmer-penguins.csv").csv({ typed: true })
```

```
filtered = data.filter(function(penguin) {  
  return bill_length_min < penguin.bill_length_mm &&  
    islands.includes(penguin.island);  
})
```