



```
set variable ages by gender as an empty dictionary
set value of ages by gender at key men as an empty list
set value of ages by gender at key woman as an empty list
set value of ages by gender at key other as an empty list
for each line in file data.csv
  set variable line as line split by character ,
  set variable gender as the first thing in line
  set variable age as numerical value of the second element in line
  append to list ages by gender at key gender with the value of age
```

The image shows a sequence of code blocks in a Scratch-like visual programming language. The blocks are arranged in a vertical stack. The first four blocks are blue and set up a dictionary 'ages by gender' with keys 'men', 'woman', and 'other', each pointing to an empty list. The fifth block is yellow and starts a 'for each' loop over 'line' in 'data.csv'. Inside the loop, there are four blue blocks: one to split 'line' by comma, one to extract 'gender' as the first element, one to extract 'age' as the numerical value of the second element, and one to append 'age' to the list associated with 'gender' in the 'ages by gender' dictionary. The loop block has a small upward arrow icon at its bottom right.