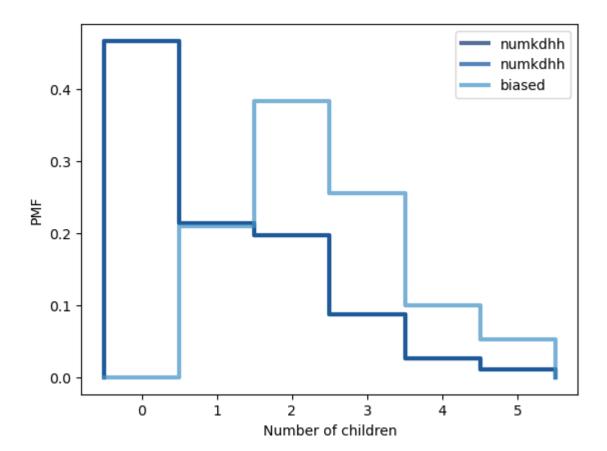
```
In [2]: import os
 import urllib.request
 import thinkstats2
 import thinkplot
 import nsfg # Ensure ThinkStats2 library is installed and configured
 # Download the files
 if not os.path.exists("2002FemResp.dct"):
     urllib.request.urlretrieve(
         "https://github.com/AllenDowney/ThinkStats2/raw/master/code/2002F@
         "2002FemResp.dct"
     )
 if not os.path.exists("2002FemResp.dat.gz"):
     urllib.request.urlretrieve(
         "https://github.com/AllenDowney/ThinkStats2/raw/master/code/2002F@
         "2002FemResp.dat.gz"
     )
 # Read the data
 resp = nsfg.ReadFemResp()
 # Create a PMF
 pmf = thinkstats2.Pmf(resp.numkdhh, label="numkdhh")
 # Plot the PMF
 thinkplot.Pmf(pmf)
 thinkplot.Config(xlabel="Number of children", ylabel="PMF")
 # Define BiasPmf if not already available
 def BiasPmf(pmf, label=None):
     """Computes a biased PMF."""
     new pmf = pmf.Copy(label=label)
     for x, p in pmf.Items():
         new pmf.Mult(x, x)
     new pmf.Normalize()
     return new pmf
 # Compute biased PMF
 biased = BiasPmf(pmf, label="biased")
 # Plot both PMFs
 thinkplot.PrePlot(2)
 thinkplot.Pmfs([pmf, biased])
 thinkplot.Config(xlabel="Number of children", ylabel="PMF")
 # Calculate means
 original_mean = pmf.Mean()
 biased mean = biased.Mean()
 print(f"Original Mean: {original mean}")
 print(f"Biased Mean: {biased mean}")
Original Mean: 1.024205155043831
Biased Mean: 2.403679100664282
```



In [ ]:

In [ ]: