## US Census URI Scraper Python Code

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[1]: # import libraries
     from bs4 import BeautifulSoup
     import requests
     import csv
[2]: # get the html code of the web page
     htmlCode=requests.get('https://www.census.gov/programs-surveys/popest.html').
      ⊶text
     # assign html code to variable
     soup=BeautifulSoup(htmlCode, 'html.parser')
     # find all anchor elements
     AllLinks=soup.find_all('a')
[3]: # extract links, convert from relative to absolute links, and add only good
      ⇔links to the set
     GoodLinks=set()
     for i in AllLinks:
         URL=str(i.get('href'))
         if URL.startswith('/'):
             GoodLinks.add ('https://www.census.gov'+URL)
         elif URL.startswith('#'):
         elif URL.startswith('None'):
         elif URL.startswith('#http'):
             GoodLinks.add(URL[1:])
         else:
             GoodLinks.add(URL)
[4]: # specify name and path to save the file to
     f=open('C:/Users/todda/Desktop/Desktop/Career/Projects and Portfolio/Web⊔
      ⇔Scraper/Census_Links.csv','w', encoding='utf8')
     # assign file to variable
     writer=csv.writer(f, delimiter=' ', lineterminator='\r')
     # create list to contain URI's
     UniqueURIs=[]
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[6]: #close file f.close()
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