

Z.Simple energy prod. plot per house (week3)

November 17, 2020

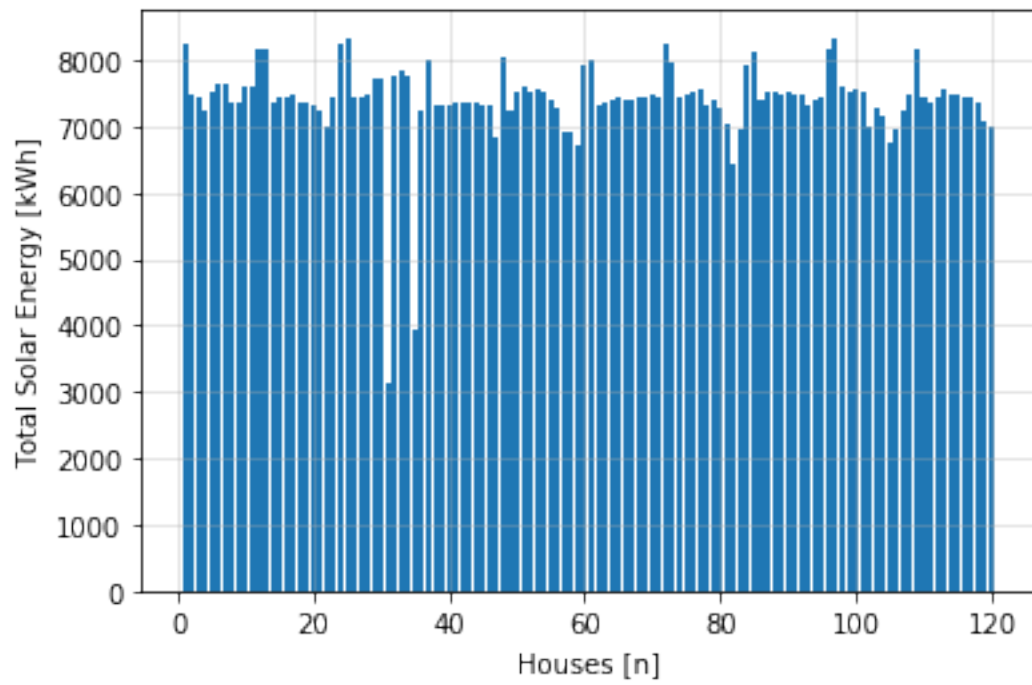
```
[4]: !chown 18062814:zero week3_plotje.ipynb
      !chmod 660 'week3_plotje.ipynb'
      !chown 18062814:zero .ipynb_checkpoints/Niels-checkpoint.ipynb
```

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chown: changing ownership of 'week3_plotje.ipynb': Operation not permitted
chmod: changing permissions of 'week3_plotje.ipynb': Operation not permitted
chown: changing ownership of '.ipynb_checkpoints/Niels-checkpoint.ipynb':
Operation not permitted
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[1]: import numpy as np
      import matplotlib.pyplot as plt

      def make_2dec(string):
          """output a string that is 3 decimals long."""
          if len(string) == 1:
              string = "00" + string
          elif len(string) == 2:
              string = "0" + string
          elif len(string) == 3:
              string = string
          return string
      s=[]
      for i in range(1,121):
          solar = np.load('/home/18062814/notebooks/zero/A/solar_' +
          ↪make_2dec(str(i)) + '.npy')
          s.append(solar[:,3].max()-solar[:,3].min())

      plt.bar(range(1,121), s)
      plt.xlabel('Houses [n]')
      plt.ylabel('Total Solar Energy [kWh]')
      plt.grid(alpha=0.4)
      plt.savefig('/home/18062814/notebooks/zero/Notebooks/week3_plotje')
```



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