Matplot - Assignment_02_Solution

July 3, 2020

1: List the causes of death and percentile in Ohio state in the year 2012

```
[3]: #import required libraries
     import matplotlib.pyplot as plt
```

```
[ ]: # View the plot
     %matplotlib inline
```

```
[4]: #cause of deaths
     cause=['Chronic Diseases','Unintentional Injury','Alzheimers','Influenza and␣
      ↪pneumonia', 'Spesis','Others']

     #percentile
     percentile =[62,5,4,2,1,26]
```

2: Draw a pie chart using the two data points

```
[5]: #set the pie chart plot properties
     plt.figure(figsize=(10,10))
```

```
[5]: <Figure size 720x720 with 0 Axes>

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```
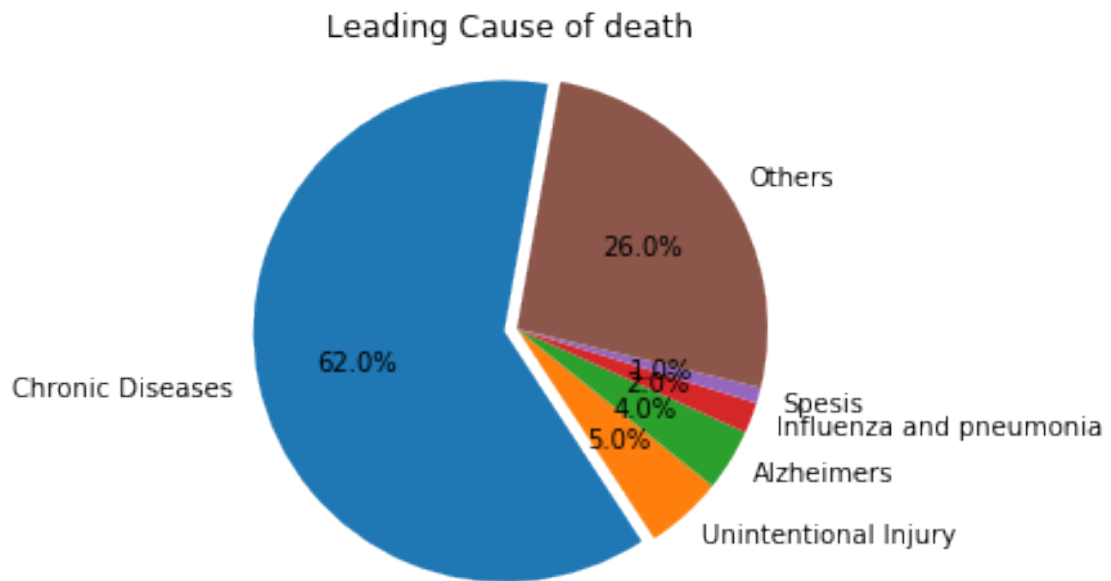
```
[2]: #set figure size
```

```
[7]: #explode the largest pie in the data set
     explode=(0.05,0,0,0,0,0)
```

```
[17]: #set pie chart properties
      plt.pie(percentile,labels=cause,explode=explode,autopct='%1.1f%%',startangle=80)
      #set axis equal to draw pie as circle
      plt.axis('equal')
      #set title of the pie chart
      plt.title('Leading Cause of death')
      #show the plot (pie chart)
      plt.show()
```

Leading Cause of death

- Others — 26.0%
- Spesis — 1.0%
- Influenza and pneumonia — 2.0%
- Alzheimers — 4.0%
- Unintentional Injury — 5.0%
- Chronic Diseases — 62.0%

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