Assignment 02: Listing Ohio State's Leading Causes of Death

The comments/sections provided are your cues to perform the assignment. You don't need to limit yourself to the number of rows/cells provided. You can add additional rows in each section to add more lines of code.

If at any point in time you need help on solving this assignment, view our demo video to understand the different steps of the code.

Happy coding!

DESCRIPTION

Problem Statement:

You have been provided with a dataset that lists Ohio State's leading causes of death from the year 2012. Using the two data points:

- Cause of deaths and
- Percentile

Draw a pie chart to visualize the dataset.

Instructions to perform the assignment:

- Download the dataset "Ohio_State_data". Use the data provided to create relevant and required variables.

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

In [1]:
```python
#import required libraries
import matplotlib.pyplot as plt
%matplotlib inline
```

In [2]:
```python
#loading data for causes of death in Ohio state from 2012
#cause of deaths
cause = ['Chronic Disease', 'Unintetional Injuries', 'Alzheimers', 'Infuenza and Pneumonia', 'Sepsis', 'Others'
#percentile
percentile = [62, 5, 4, 2, 1 , 26]
```

2: Draw a pie chart using the two data points

In [3]:
```python
#set the pie chart plot properties
#set figure size
plt.figure(figsize=(10,10))
#explode the largest pie in the data set
explode = (0.05,0,0,0,0,0)
#set pie chart properties
plt.pie(percentile,labels=cause,explode=explode,autopct='%1.1f%%',startangle=70)
#set axis equal to draw pie as circle
plt.axis('equal')
#set title of the pie chart
plt.title('Ohio State - 2012: Leading Causes of Deaths')
#show the plot (pie chart)
plt.show()
```


Ohio State - 2012: Leading Causes of Deaths