



# MiniLab-9



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803400815021 Machine Learning with Python

# Exercise - 1

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Plot the following function within the specified interval.

$$-10 \leq x \leq 10$$

$$y = -3x^2 + 7$$

## Exercise - 2

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Plot the following function within the specified intervals.

$$-5 \leq x \leq 5$$

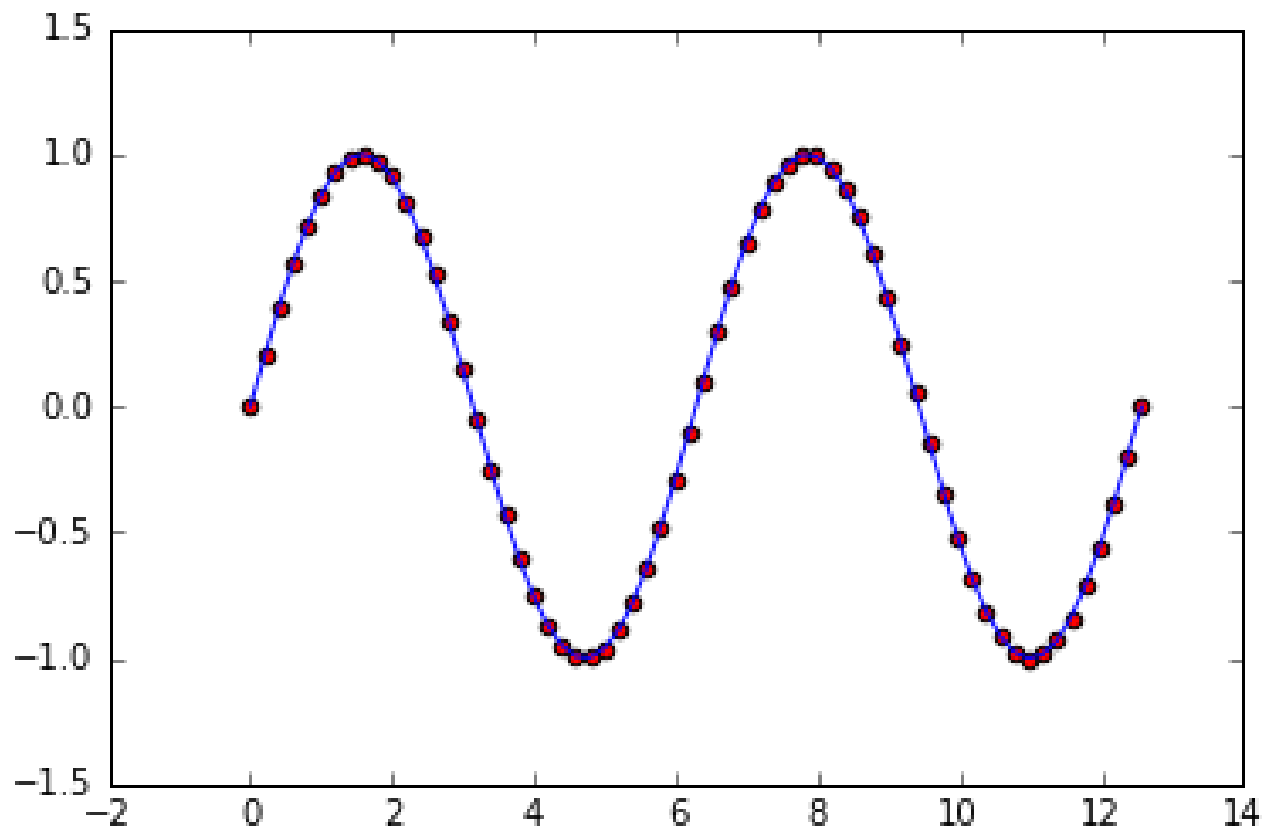
$$-5 \leq y \leq 5$$

$$z = \sqrt{x^2 + y^2}$$

# Exercise - 3

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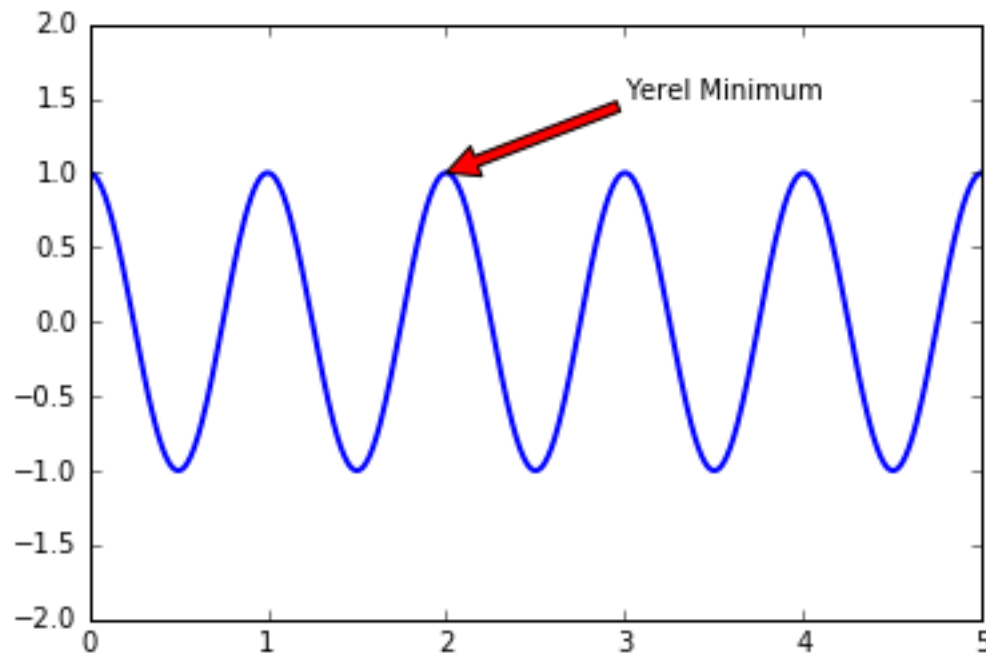
Plot the following sine plot.



# Exercise - 4

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Plot the following cosine plot (including the annotation).



# Exercise - 5

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Plot the following function.

$$f(x) = e^{-t} \cos(2\pi t)$$