

HW15

Exercise 12.3, Page 711, Question 11

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Question find f_x , f_y , f_{xx} , f_{yy} , f_{xy} and f_{yx} .

$$f(x, y) = x/y$$

Answer

$$f(x, y) = x/y$$

$$f_x = 1/y$$

$$f_y = -x/y^2$$

$$f_{xx} = 0$$

$$f_{yy} = -2x/y^3$$

$$f_{xy} = -1/y^2$$

$$f_{yx} = -1/y^2$$

What were the most valuable elements you took away from this course?

This course helped me in learning statistics and math concepts of machine learning and data analysis.