

Course : Computational Statistics
Lecturer : Septian Enggar Sukmana, S.Pd., M.T.

Assignment of Week 5

Probability

By:



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1. Task Description

Install Pokemon Go, then try to catch Pokemon as much as you can (min. 40 Pokemon). Provide the screenshot of the caught Pokemon. Define the probability of:

- The caught water type of Pokemon
- The appearance of same type Pokemon
- The unsuccessful caught Poisson type of Pokemon
- The caught of lower defense Pokemon (less than 90) at least 1 time of all your playing

2. Answer

- a. The caught water type of Pokemon

- Total Caught Pokemon = 53
- Caught Water Type = 18
- Probability = $\frac{18}{53}$



- b. The appearance of same type Pokemon

If based on the existing types we found more than 10 of the same type, because each Pokemon varies it can have 1 type or 2 types. But we found 1 exact match, namely Houndour.



- c. The unsuccessful caught Poisson type of Pokemon

- Total Caught Pokemon = 53
- Caught Poison Type = 12
- Unsuccessful Caught Poison Type = 3
- Probability = $\frac{3}{12} = \frac{1}{4}$



- d. The caught of lower defense Pokemon (less than 90) at least 1 time of all your playing
19 Lower Defense Pokemon

- Total Caught Pokemon = 53
- Caught Lower Defense = 12
- Probability = $\frac{18}{53}$



Link Presentation :

https://www.canva.com/design/DAFdvxETzKw/R5M8CxYRvM1nRoHFNgNRcg/view?utm_content=DAFdvxETzKw&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton