Course : Computational Statistics

Lecturer : Septian Enggar Sukmana, S.Pd., M.T.

Assignment of Week 5

Probability





Name: Faricha Aulia

Class : 2 I / D-IV Informatics Engineering

NIM : 2141720155

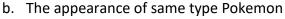
1. Task Description

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:

- a. The caught water type of Pokemon
- b. The appearance of same type Pokemon
- c. The unsuccessful caught Poisson type of Pokemon
- d. 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 = $\frac{18}{53}$



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: