

NAMES: Foong Min Wong

PROGRESS REPORT

Tasks Attempted

- Researched on different topics and decided to go with dengue data analysis in Malaysia
- Started a draft of slides to introduce about Dengue Hemorrhagic Fever (DHF) - explain the difference between dengue fever and dengue hemorrhagic fever


Conjectures/Observations Made

- According to the research papers related to dengue fever (which is slightly different from dengue hemorrhagic fever) data analysis, the highest dengue fever outbreak location was Selangor based on 2010-2015 data.
- Based on other dengue fever related research results, I predict that Selangor will have the highest dengue hemorrhagic fever cases from 2010 - 2017.

Pictures/Illustrations that would be relevant

WHAT IS DHF?

A syndrome due to the dengue virus that tends to affect children under 10 years, causing abdominal pain, haemorrhage (bleeding) and circulatory collapse (shock). Pneumonia and heart inflammation may be present. The mortality rate is between 6 to 30%. Infants under a year of age are especially at risk of death



SYMPTOMS	WHO IS AT HIGH RISK?
<ul style="list-style-type: none"> ➤ Severe abdominal pain ➤ Persistent vomiting ➤ Bleeding from gums or nose ➤ Blood in urine, stools or vomit ➤ Bleeding under the skin, which might look like bruising ➤ Difficult or rapid breathing 	<ul style="list-style-type: none"> ➤ Infants and small children ➤ Pregnant women (the virus may be passed from mother to fetus) ➤ Older adults ➤ Those with compromised immune systems

Dengue Hemorrhagic Fever

Tasks Yet To Do

- Complete slides and explain why it is important to do this research
- Explain where the datasets can be downloaded in the slides
- Translate some of the categorical variables in the datasets from Malay to English for presentation
- Analyze dengue hemorrhagic fever data downloaded from data.gov.my (2010-2017)
- Decide what kind of statistical approach to analyze the data

Additional Comments/Concerns