

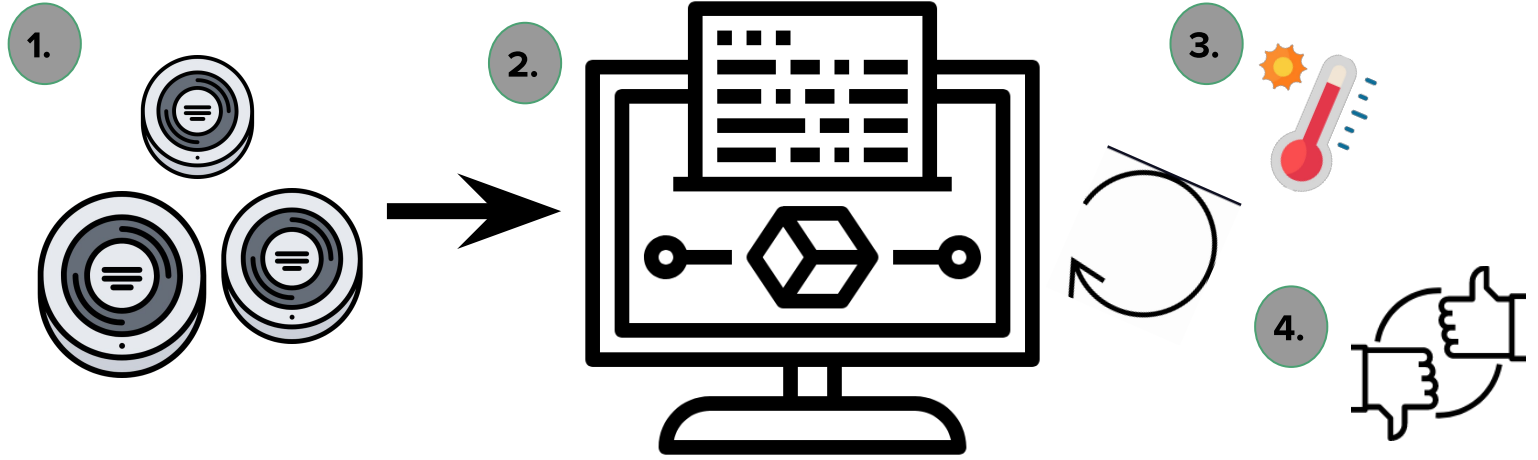
# Week 1: Problem Definition

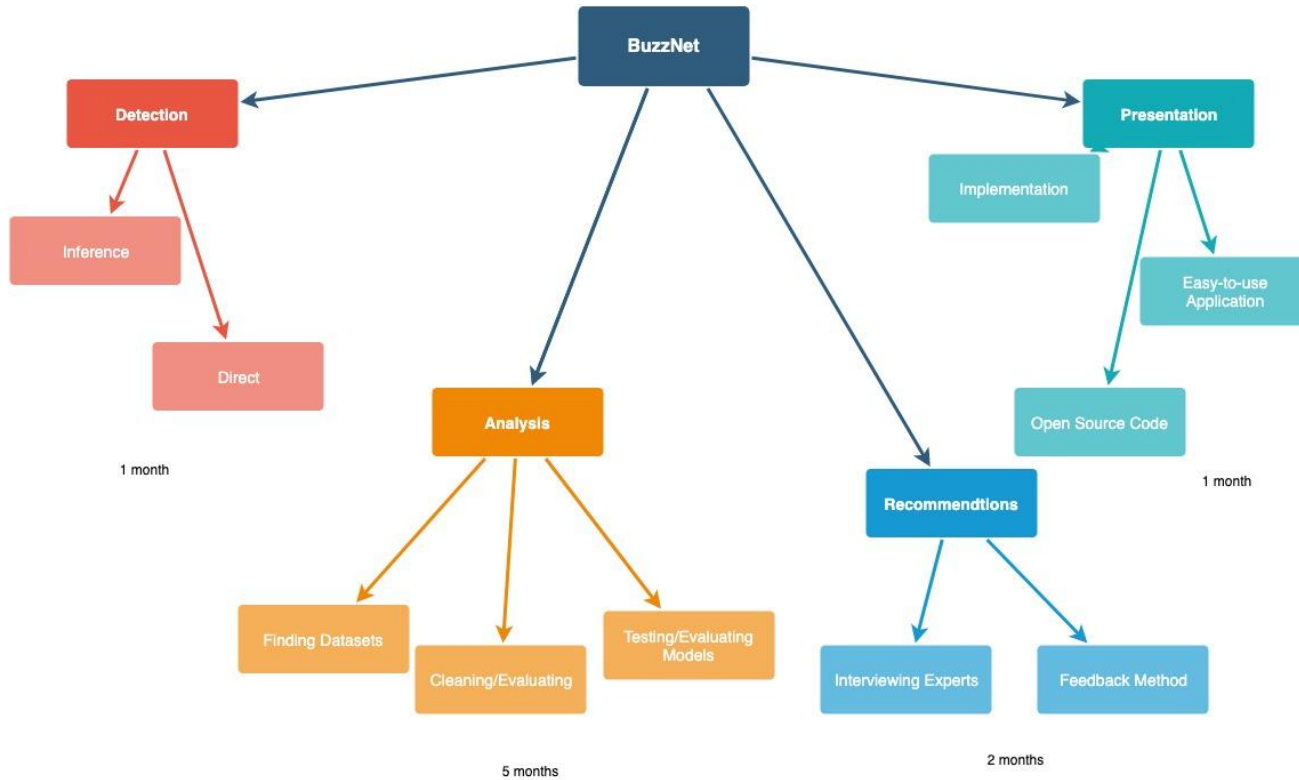
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Update Presentation

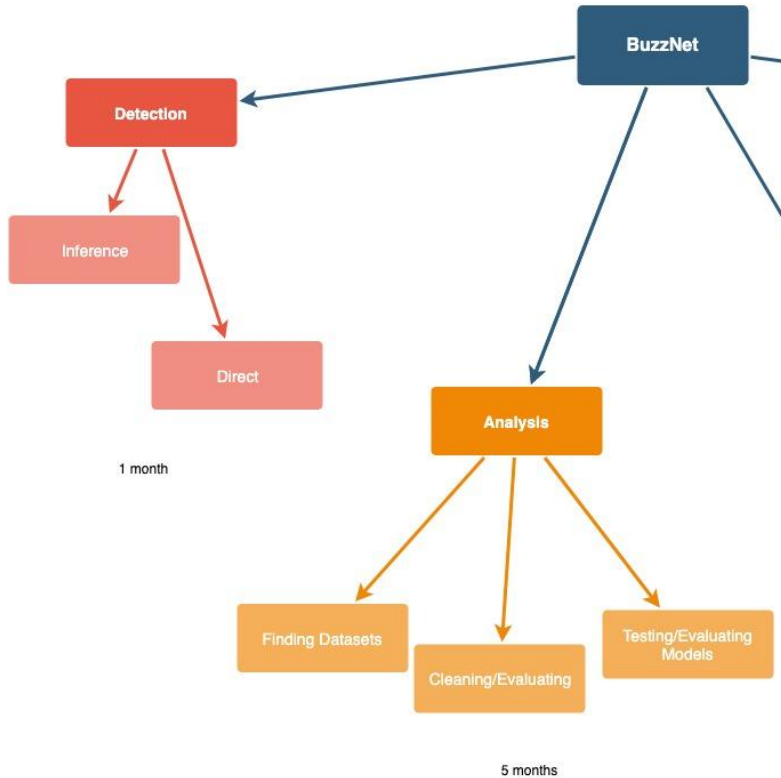
# Background Review

- **Relocate**, not eradicate, mosquitoes
- Use easily accessible datastreams to determine environmental conditions (Minimal hardware)
- Build on existing mosquito knowledge
- Different mosquitoes have different habits, complex biology





# Tree of Problems



- Iterative process to determine the best datasets
- Need information on local mosquito locations and counts (to observe)
  - Otherwise must generate
- Research models best for predicting environmental conditions

## Tree of Problems (Local)

# Initial Testing

[https://github.com/pcrete/Mosquito\\_Breeding\\_Sites\\_Detector#Prerequisites](https://github.com/pcrete/Mosquito_Breeding_Sites_Detector#Prerequisites)

# Pressing Questions

Where are the mosquitoes?

How can this software be as generic as possible? (Singapore vs. Global)

Thermal capabilities on Iphone (more accessible)?

Data Analysis Methods Decide Beforehand