



# Institute of Cambodia of Technology

**Subject:** Data Mining

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**Class:** M1 Computer Science

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# 1. Introduction

**Dataset:** aircraftreports

## ❖ **Aviation Weather Center Mission Statement:**

- ❖ The Aviation Weather Center delivers consistent, timely, and accurate weather information for the world airspace system.

## ❖ **AWC Vision:**

- ❖ To be the trusted authority and leading innovator for aviation weather information.

## 2. Algorithms

- Thickness Algorithm: Critical thickness values derived from other studies
- Ramer Algorithm: (NOAA/OAR/FSL)
- Baldwin/Schichtel/Contorno (NCEP) Algorithm
- Bour gouin Algorithm: used by Meteorological Service of Canada
- Czys et al. Algorithm: uses precipitation microphysics
- Cortinas Algorithm: Similar to Czys et al., but uses additional sounding vertical levels.(Only rain diagnosed because of computational constraints.



**THANK YOU**  
**FOR**  
**YOUR ATTENTION**