Committed Move Up Tutorial:

1.Input Data

1. Moveup list

Give us move up data. Tell us which unit move from which station to which station; from which time to which time.

The title of data:

Unitname Duration Starttime Homestation Endtime Moveupstation

1. service list

Tell us which unit served for which incident, and the incident happening time.

The title of data:

Unitname IncidentID Incidenttime

1. OutputDistances

Tell us the time distance between a station and an incident. However, the original OutputDistances file does not provide the data I inquire, therefore here I just manually change some data so that I can test my code. You can find out which time distance data is missing in document Missing Data.(Phili is working on these missing data)

The title of data:

Stationname IncidentID Timedistance

1. Missing Data.

Tell us which time distance is missing.

It gives us homestation, moveupstation and IncidentID. The data that missed is the time distance between homestation and IncidentID; and moveupstation and IncidentID.

2.Model Introduction

1. Classify move-ups

Legitimate Move-Up:

Duration: 10 - 600 minutes

Productive Move-Up

On Scene: Unit arrived On Scene at a call while Moved-Up to another station

Accurate Move-Up:

Location: The Incident occurred in the area covered by the Move-Up location. And the response time is

* Less than desired time target

- More than desired target

Inaccurate Move-Up:

* Location: The Incident occurred in the area where the Move-Up originated from

Unproductive Move-Up

* + - * On Scene: Unit did not serve an incident while Moved-Up to another station

Illegitimate Move-Up:

* + Duration: < 10 or > 600 minutes

-Fluctuation of results Algorithm

-Wrong ETB for units

-False incidents

1. Count number of moveups
2. Calculate percentage of different moveups.