

Title: Requesting Services from Chiang Mai Data Analytic Center

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ABSTRACT

Data storage system in medical and public health consisted of the data of In-Patient- Department (IPD), Out-Patient-Department (OPD) and promoted activities to prevent diseases of people in Chiang Mai were collected in standard data structure form of Ministry of Public Health which were accumulated more than 10 years. In order to have efficiency analyzing of big data more than 1,500 million items, Chiang Mai Provincial Public Health Office has been developed system of “Chiang Mai Data Analytic Center, (CMDAC)”. This Analytic Ecosystem consisted of analytic database system, online base of accessing and processing, data visualization and security system.

Assigned works for this co-operative education consisted of making guideline and system service accessing process for user and system testing in the role of provider and user. The details of work were collecting of data of information technology and indicating requirements of medical and public health in “Lark” documents which was able to support syntax of “Markdown” and not yet to add data in “CMDAC” system because it is in process of approval. In the part of testing as provider and user, the study was followed the Data Pipeline system of CMDAC in cancer disease of Chiang Mai. In the role of provider, “Library dbper” was used to acquire personal information and track of treat information of cancer patient in Chiang Mai from “Vertica” database by access to “Jupyterhub”. After analyzing the right of “Admin” of “Superset” would be indicated to in add in data in the Superset. As the role of user, the “Dashboard” was developed in the title of “Cancer Disease in Chiang Mai” which showed information of cancer in Chaing Mai.

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