

# Database Project Proposal

## Team 17

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### ● Data Description

#### ○ Introduction to the data ?

Comparing birth rate, and their mother's age and the number of babies born between Taoyuan, Taipei, and Tainan in 2018~2020

#### ○ Where is the data from ?

The data we extracted are from an official public government website which provides a database regarding our current project.

#### ○ What do the columns and tables mean ?

The columns we are selecting will consist of statistic\_yyy(Year Statistic in 民國), site\_id(Cities), mother\_age(生母年齡), num\_baby(胎次).

The tables are the number of newborns in three cities and their mother's age and the number of babies born.

#### ○ Other information about your data (e.g., will it be updated in the future?)

Data will update every year, and maybe we can compare more cities whenever those cities' data are more complete.

#### ○ Link to your data source

桃園市 104-110 年 生母年齡

<https://data.tycg.gov.tw/opendata/datalist/datasetMeta/download?id=4163dad4-f1bb-4a78-a284-1c22a7ee9065&rid=13b24a77-c482-4266-af2b-9e2348d94ba2>

桃園市 104-110 年 生母胎次

<https://data.tycg.gov.tw/opendata/datalist/datasetMeta/download?id=0111a581-5780-40c6-9e26-5e33536c56c0&rid=a216d78e-132a-4b0d-874b-6f3468bc9721>

台北市 108-110 年 生母年齡、胎次

<https://data.taipei/api/dataset/2917a751-7282-47c9-94ab-58a758a96192/resource/46b035be-e688-4174-84ed-d5457fe1fe61/download>

台南市 107-110 年 生母年齡、胎次

<https://data.gov.tw/dataset/140078>

# ● Application Design

## ● Main idea

- The purpose of your application?

協助人民了解台灣部分直轄市的生育率及相關分析，帶使用者了解台灣身為世界生育率倒數幾名的現況

## ● Functionality

- What kind of information will be presented to users?

三個縣市的生育變化率比較結果、並提供台灣歷年的出生變化視覺化分析圖

- What kind of interaction will be available?

CRUD interaction

- What will be the scenario when a user use your application?

對台灣近年來的生育率感到好奇的民眾

- What kind of data will users be able to interact with?

提供各種分析表給使用者，並有添加數據的功能，使各地資料越趨完整

## ● Interface

- Expected interface look

Expected navigation bar for different cities as for design as compact as possible with easy accessibility to not confuse users. Maybe add a search function.

## ● Work Plans

### ● Time schedule

- Sub-goals:

=> Coding

=> Database interaction

=> SQL setup ( expect finishing above three tasks before 5/5)

=> Interface building (1~2 weeks)

=> Final touches.

- Repository

<https://github.com/Heeemu/Birth-Comparison-Project>

- Trello board link

<https://trello.com/invite/b/w4U1u0Jh/ATTI00a0a80108053f630a10239fac4828d07C7987AD/untitled-board>