One-Page Summary – Yi Yin (Ian) Chen

***1. Source of your data. If downloaded from the internet, then please share the link.***

* **Bank marketing campaigns dataset | Opening Deposit:**

[**https://www.kaggle.com/datasets/volodymyrgavrysh/bank-marketing-campaigns-dataset**](https://www.kaggle.com/datasets/volodymyrgavrysh/bank-marketing-campaigns-dataset)

***2. How many data files? What are the relationships among various data files?***

* **1**

***3. How many tables do you anticipate in your database? Your response at this stage can be approximate.***

* **Approximately 10 tables:**
* **Client Information Table:**
  + **Client\_ID (Primary Key)**
  + **Age**
  + **Job**
  + **Marital**
  + **Education**
  + **Default**
  + **Housing**
  + **Loan**
* **Contact Information Table:**
  + **Contact\_ID (Primary Key)**
  + **Contact**
  + **Month**
  + **Day\_of\_Week**
  + **Duration**
* **Campaign Information Table:**
  + **Campaign\_ID (Primary Key)**
  + **Campaign**
  + **Pdays**
  + **Previous**
  + **Poutcome**
* **Economic Conditions Table:**
  + **Economic\_Conditions\_ID (Primary Key)**
  + **Emp\_Var\_Rate**
  + **Cons\_Price\_Idx**
  + **Cons\_Conf\_Idx**
  + **Euribor3m**
  + **Nr\_Employed**
* **Subscription Table:**
  + **Subscription\_ID (Primary Key)**
  + **Subscription**
* **Client-Contact Relationship Table:**
  + **Client\_Contact\_ID (Primary Key)**
  + **Client\_ID (Foreign Key referencing Client Information)**
  + **Contact\_ID (Foreign Key referencing Contact Information)**
* **Client-Campaign Relationship Table:**
  + **Client\_Campaign\_ID (Primary Key)**
  + **Client\_ID (Foreign Key referencing Client Information)**
  + **Campaign\_ID (Foreign Key referencing Campaign Information)**
* **Client-Economic Conditions Relationship Table:**
  + **Client\_Economic\_Conditions\_ID (Primary Key)**
  + **Client\_ID (Foreign Key referencing Client Information)**
  + **Economic\_Conditions\_ID (Foreign Key referencing Economic Conditions)**
* **Client-Subscription Relationship Table:**
  + **Client\_Subscription\_ID (Primary Key)**
  + **Client\_ID (Foreign Key referencing Client Information)**
  + **Subscription\_ID (Foreign Key referencing Subscription)**
* **Client-Marketing Interaction Table:**
  + **Client\_Marketing\_ID (Primary Key)**
  + **Client\_ID (Foreign Key referencing Client Information)**
  + **Campaign\_ID (Foreign Key referencing Campaign Information)**
  + **Contact\_ID (Foreign Key referencing Contact Information)**