## 📖 ****Bank Classification Dataset – Data Dictionary****

| **Column** | **Data Type** | **Description** |
| --- | --- | --- |
| **id** | int64 | Unique identifier for each record in the dataset. |
| **age** | int64 | Age of the client (in years). |
| **job** | object | Type of job the client has (e.g., technician, blue‑collar, student, admin, management). |
| **marital** | object | Marital status of the client (married, single, divorced). |
| **education** | object | Client’s highest level of education (primary, secondary, tertiary). |
| **default** | object | Whether the client has credit in default (yes or no). |
| **balance** | int64 | Average yearly balance in the client’s account (in currency units). |
| **housing** | object | Whether the client has a housing loan (yes or no). |
| **loan** | object | Whether the client has a personal loan (yes or no). |
| **contact** | object | Communication type with the client (cellular, telephone, unknown). |
| **day** | int64 | Last contact day of the month (1–31). |
| **month** | object | Last contact month of the year (e.g., jan, feb, may). |
| **duration** | int64 | Duration of the last contact (in seconds). |
| **campaign** | int64 | Number of contacts performed during this campaign for the client. |
| **pdays** | int64 | Number of days since the client was last contacted (−1 means not previously contacted). |
| **previous** | int64 | Number of contacts performed before this campaign. |
| **poutcome** | object | Outcome of the previous marketing campaign (success, failure, unknown). |
| **y** | int64 | Target variable — 1 if the client subscribed to a term deposit, 0 otherwise. |