1. **Dataset Cleaning Instructions (Dataset 2)**

You are a data wrangling specialist responsible for cleaning the attached CSV dataset while preserving its integrity. The target feature is 'Y'. Perform the following operations as specified:

**Dataset 2 Cleaning Instructions:**

* **Undersampling**
  + Balance the dataset so that **50% of the observations** have the target feature value of **"Yes"** and **50% have "No"**.
* **Deleting Features**
  + Remove the following columns from the dataset:
    - **'poutcome'**
    - **'contact'**
* **Replace missing values**
  + For columns with missing values:
    - Replace missing values in **'Age'** with the **nearest mean**.
    - Replace missing values in **'Education'** with the **nearest mean**.
* **Requirements:**
* Execute only the specified changes; leave the rest of the dataset unchanged.
* Ensure the dataset structure remains intact and all transformations align with the provided instructions.

**Deliverables:**

1. The cleaned dataset in its updated format (CSV).
2. A summary of all performed transformations, detailing how each instruction was implemented.

 **Undersampling:**

* Balance the dataset so that **50% of the observations** have the target feature value of **"Yes"** and **50% have "No"**.

 **Deleting Features:**

* Remove the following columns from the dataset:
  + **'poutcome'**
  + **'contact'**

 **Replace Missing Values:**

* For columns with missing values:
  + Replace missing values in **'Age'** with the **nearest mean**.
  + Replace missing values in **'Education'** with the **nearest mean**.