## **Synthetic plans data**

**Prompt:**

Role: You are working as a Senior Marketing & Product consultant and catalog designer for a Telecom company AsTel. You have an expertise in creating mobile pricing plans for Telecom companies based on business requirements provided, you have extensive knowledge about product catalogues of telecom companies.

Guideline: Consider that AsTel has ten plans each for postpaid and prepaid. These plans are specialized and crafted to suite different needs of customers - some customers may have higher data needs, while others prioritise low budget over the speed and some may prefer bundled content such as Netflix/ DisneyHotstar etc.

Each plan must have the following features (as fields):

1. short and clear name not exceeding 30 characters,

2. a description ,

3. subscription type (prepaid/postpaid),

4. bundled plan indicator (yes/no),

5. minimum recharge/monthly recurring amount based on whether it is prepaid / postpaid ,

6. number of free minutes of voice call,

7. number of free sms,

8. free volume of data in GB,

9. plan validity in days,

10. data speed in Mbps ,

11. list of value added services and

12. list of bundled ott content (valid only in case of bundled plan).

AsTel offers bundled and non bundled plans. Bundled plans will have at least one OTT service free with the plan as per the validity period of the plan. Considering the current demands from the users , 40% of the plans should be bundled plans with at least one OTT service included.

Value added services are different from OTT service, some examples of value added services are ISD calling , International roaming etc. Whereas OTT services are content such as Times Prime, Amazon Prime, Netflix, Disney Hotstar and so on that offer movies, tv shows etc.

The description for each plan must cover all of its features - ensure to cover all the features and do not miss any feature. There is no limit on the length of the description field.

Thought 1: For building each plan , think about the uniqueness of the features it offers. Begin with identifying the subscription type for the plan, then add the information about the features of the plan as per the fields provided in the guideline. Based on the features come up with an apt description for the plan as per the guideline. Finally based on the description craft an appropriate code name for the plan as per the guideline.

Thought 2: While building every plan , verify that it has some uniqueness and is not an exact duplicate of another plan in the same subscription type.

Thought 3: Think about different type of customers and their unique needs and try to create plans that cover the needs of variety of customers. Create the data in a CSV format for the plans catalogue of AsTel.

Additional Prompt:

As the data is in a CSV format, the description field and any other field should not have comma ... you may use a semi colon instead - please correct the data accordingly

## Synthetic Subscription Data

**Prompt**

You are a telecom expert and a data gathering specialist with in depth understanding of telecom data. You need to create a data for prepaid and postpaid mobile subscribers.

The data must have the following fields:

1. Mobile Number - a 10 digit valid unique mobile number

2. Customer ID - an 8 digit unique Customer ID

3. Subscription Type - Prepaid or Postpaid

4. Subscription Status - Active/Cancelled

5. Price Plan - The plan name should be name of one of the plans created above

6. Activation Date - use an arbitrary date of activation (any date after 1-Jan-2010)

7. Cancellation Date - Indicates the date of cancellation of subscription. Required only if the Subscription Status is cancelled

8. Total Prepaid Balance - Balance as per the plan, required only for Prepaid Subscribers

9. Prepaid Balance Used - Any value between zero and the "Total Prepaid Balance" ; valid only for Prepaid Subscribers

10. Prepaid Balance Remaining - "Total Prepaid Balance" minus "Prepaid Balance Used" ; valid only for Prepaid Subscribers

11. Last recharge amount - A valid recharge amount based on the prepaid plan of the subscriber ; valid only for Prepaid Subscribers

12. Last recharge date - A valid date on which last recharge was done

13. Last Billed Amount - Valid only for postpaid subscribers, a valid amount as per last bill

14. Last Bill Payment Amount - Valid only for postpaid subscribers, a valid amount that was paid

15. Last Bill Payment Date - Valid only for postpaid subscribers, a valid date on which payment was made

16. Pending Amount Due - Valid only for postpaid subscribers, a valid amount that is due to be paid. A negative amount indicates overpayment

17. Bill Due Date - Valid only for postpaid subscribers, a valid date when the Bill is due

You need to create 1000 Subscriber records as per the details provided above. Ensure to have equal distribution between prepaid and postpaid subscription types.

No more than 7% subscriptions should be in "Cancelled" status.

The Price Plan field should have the plan Name which is one of the plans created above. Choose an appropriate plan name based on whether Subscription Type is Prepaid or Postpaid.

Mobile Number and Customer ID must be unique in every record - no duplicates are allowed.

Use all the plans created above and try to have a balanced distribution of data across the Price plans in the catalog.

Create the data in CSV format. Ensure there is no comma in any of the field values in the data.

**ChatGPT Response**

Creating a dataset for 1000 telecom subscriber records with the required fields in CSV format. Below is the generation logic:

### Generation Steps:

1. Mobile Number & Customer ID: Randomly generate unique 10-digit mobile numbers and 8-digit customer IDs.
2. Subscription Type: Equal distribution of 500 prepaid and 500 postpaid subscribers.
3. Subscription Status: Approximately 7% (70 records) have a "Cancelled" status, evenly split between prepaid and postpaid.
4. Price Plan: Assign plans based on the subscription type, ensuring balanced usage of all plans from the catalog.
5. Activation Date: Randomly generate dates post-1-Jan-2010.
6. Cancellation Date: Only present for "Cancelled" subscriptions, randomly generated post-activation.
7. Prepaid Fields: Include "Total Prepaid Balance," "Prepaid Balance Used," "Prepaid Balance Remaining," "Last Recharge Amount," and "Last Recharge Date" for prepaid users.
8. Postpaid Fields: Include "Last Billed Amount," "Last Bill Payment Amount," "Last Bill Payment Date," "Pending Amount Due," "Bill Due Date," and "Bill Overdue Indicator" for postpaid users.
9. Field Formatting: Replace commas with semicolons to maintain CSV compatibility.

Let me generate and structure the data.

The dataset containing 1000 telecom subscriber records has been created successfully and saved as a CSV file.

**Additional prompts**

1. Enhance this data to add three more fields Salutation - Mr/Ms/Mrs/Master First Name Last Name Assign any arbitrary names , use Indian names
2. Remove the Salutation field from this data. Place the First Name and Last Name after the Customer ID field