

What is Hypothesis Generation?

Listing Down factors that might affect the target variable





When should we do Hypothesis Generation?

Should hypothesis generation be done before looking at the data or after looking at the data we have?

Hypothesis Generation should always be done before looking at the data

Why?

Makes sure you think outside of what is available.



Product features

Which product was sold?

Time Based features

When was the product sold?

Store feature

Where was the product sold?



Product features

Which product was sold?

Product type/ Category: Whether its a

frozen pizza, cereals, pretzels etc.

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Product features

Which product was sold?

- Product type/ Category
- Packaging: Packed in a plastic or cardboard box etc.



Product features

Which product was sold?

- Product type/ Category
- Packaging
- Product Size: Small/ Large size of

product based on quantity



Product features

Which product was sold?

- Product type/ Category
- Packaging Quality
- Product Size
- Price of Product: May vary based on

manufacturer, packaging etc.



Product features

Which product was sold?

- Product type/ Category
- Packaging Quality
- Product Size
- Price of Product
- Company: Product Brand/Manufacturer



Product features

Which product was sold?

- Product type/ Category
- Packaging Quality
- Product Size
- Price of Product
- Company
- Manufacturing Date: Older products have

less chance of selling



Time Based features

When was the product sold?

• Offer Applicable: Discounts/ Offers

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Time Based features

When was the product sold?

- Offer Applicable
- Product Promotion: Special Banners for

product promotion in store



Time Based features

When was the product sold?

- Offer Applicable
- Product Promotion
- Holiday Season?: Demand may be higher during holidays



Store features

Where was the product sold?

• Store Location: Store at city centre, near

a society, outskirts etc.



Store features

Where was the product sold?

- Store Location
- Size of Store: Larger store has more

product variety and higher demand



Store features

Where was the product sold?

- Store Location
- Size of Store
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- Marketing/ Banners/ Pamphlets: Store popularity



Store features

Where was the product sold?

- Store Location
- Size of Store
 It is a size of Store
- Marketing/ Banners/ Pamphlets
- Competition: High competing stores in

the area will affect the demand





