

**Logical Data Model**

**Smart Recommendation System**

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Logical data model:

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Initially, only a single dataset ‘*Amazon\_Fine\_Food\_data\_2*’ is used.

**Amazon Fine Food review Dataset Includes:**

1. Reviews from Oct 1999 - Oct 2012
2. 568,454 reviews
3. 256,059 users
4. 74,258 products
5. 260 users with > 50 reviews

After executing the ‘Creating\_user\_data.py’, the ‘Amazon\_user\_data.csv’ dataset is created.

Following the ‘Installation Guide’, five dataset of products grouped by personality are created from a resultant dataset from join operation on ‘Amazon\_Fine\_Food\_data\_2.csv’ and ‘Amazon\_user\_data.csv’ which can be used for recommending the products to users of similar type.

Products\_for\_type\_0\_people.csv

Products\_for\_type\_1\_people.csv

Products\_for\_type\_2\_people.csv

Products\_for\_type\_3\_people.csv

Products\_for\_type\_4\_people.csv

Products\_for\_type\_5\_people.csv

These datasets store the potential products that have a higher chance to entice the customer.