**Gravity Books Cube Documentation**

**Cube Structure**

**Measures:**

* + **Total Revenue:** Sum of the price column in fact\_orders.
  + **Total Shipping Cost:** Sum of the shipping\_cost column in fact\_orders.
  + **Number of Orders:** Count of order\_id\_sk.

**Dimensions:**

* **Customer Dimension:**
  + Attributes: Country, City, Customer Name, Is Current.
* **Book Dimension:**
  + Attributes: Author Name, Title, Language, Publication Year.
* **Date Dimension:**
  + Attributes: Year, Month, Fiscal Quarter, Fiscal Year.
* **Shipping Method Dimension:** 
  + Attributes: Method Name

**Some Types of analyses the cube can support**

**Shipping Cost Analysis**

* **Total Shipping Cost by Method**

**Sales Analysis**

Using the **Price** measure from the "Fact Orders" group, the cube can support:

* **Total Price Analysis**: Calculate the total price generated from book sales.
* **Revenue by Time**: Using the Dim Date dimension to analyze sales over specific periods (day, month, fiscal quarter, fiscal year).

**Order Analysis**

Using the **Fact Orders Count** measure:

* **Number of Orders by Shipping Method**: Count the number of orders categorized by shipping method.
* **Order Volume Trends**: Using Dim Date dimension to monitor order trends over time.

**Customer Demographics Analysis**

With the **Dim Customer** attributes:

* **Sales by Country or City**: Analyze sales performance based on customer locations.
* **Shipping Preferences by Region**: Identify the most common shipping methods for different regions.