This demo shows the navigation in a multiple levels database. The database stores a financial dataset constituting of transactions from different years, regions, and categories.

Our demo uses cubes to represent the aggregation of the money, and each of the cubes shows the number moneys during a time period.

1. We first see **the total addition** of all the transactions. The single cube in the scene shows this number, 151,996,700.64, all the moneys.

We can get more detail about the money by looking at the data from each year.

1. Here we **divide all transactions into 2010…2017.**

We can see that the total money of each year is increasing and the total money in 2017 is 22,447,029.86.

We can get more detail about the transactions within one year.

1. We can select the year of 2017. As a result, we are seeing the money transactions from **each month in 2017**. For example, the total transactions in May add up to 2,093,102.75.

So far, we have explored the levels in terms of time. Another way to look at the data is to find out the categories of the transactions.

1. We first **go back** to see all years.
2. **We select money category and account type** in all the years. Now we can see more details about all the transactions. For example, we can see that some money comes from retirement, and there are 5 types of account type: no name, IRA, small business, individual ?, and trust.

Next, we can further look at the distribution of ages within one category.

1. We **select the year 2017 and the account type “IRA”**. Now we can see all the transactions in 2017 from all the IRA accounts, with more detail on age distribution.
2. If we want to see where these accounts were opened, we can first **go back** to the money accounts and years view.
3. Then we can select **region** and look at where all the accounts were opened within a given time range, like **2014 – 2016**. We see there are accounts opened in Texas and New England.