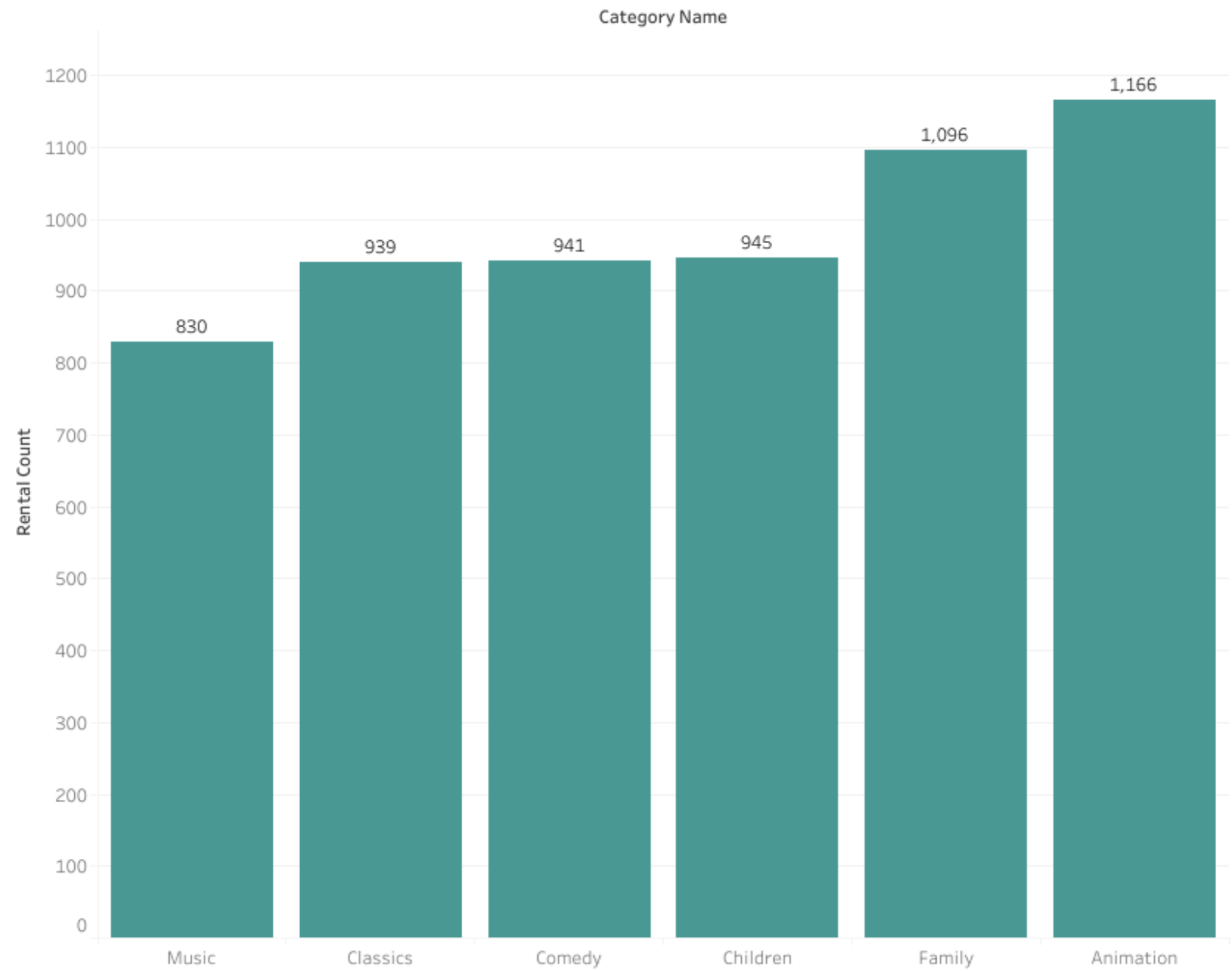


# Project1:

## Investigate a Relational Database

The Sakila Database holds information about a company that rents movie DVDs. For this project, we will be querying the database to gain an understanding of the customer base, such as what the patterns in movie watching are across different customer groups, how they compare on payment earnings, and how the stores compare in their performance.

# Rental count by film category



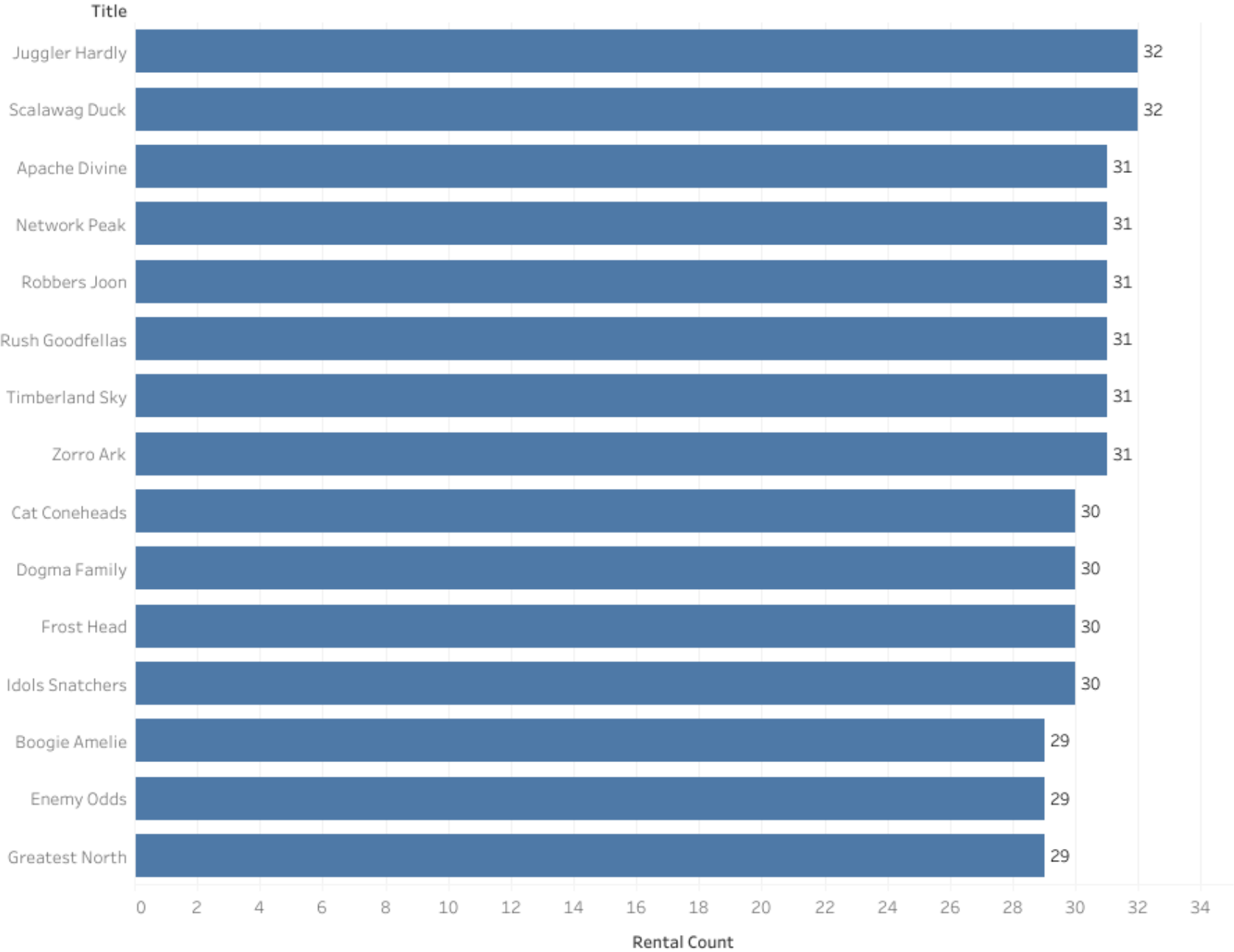
## QUESTION 1:

Which film category is most rented that families are watching?

As we can see from chart, these categories can be considered as family movies. Most times rented category is Animation.

Data source file: q1.csv  
Query in: Question1\_sql.txt

15 most rented family movies



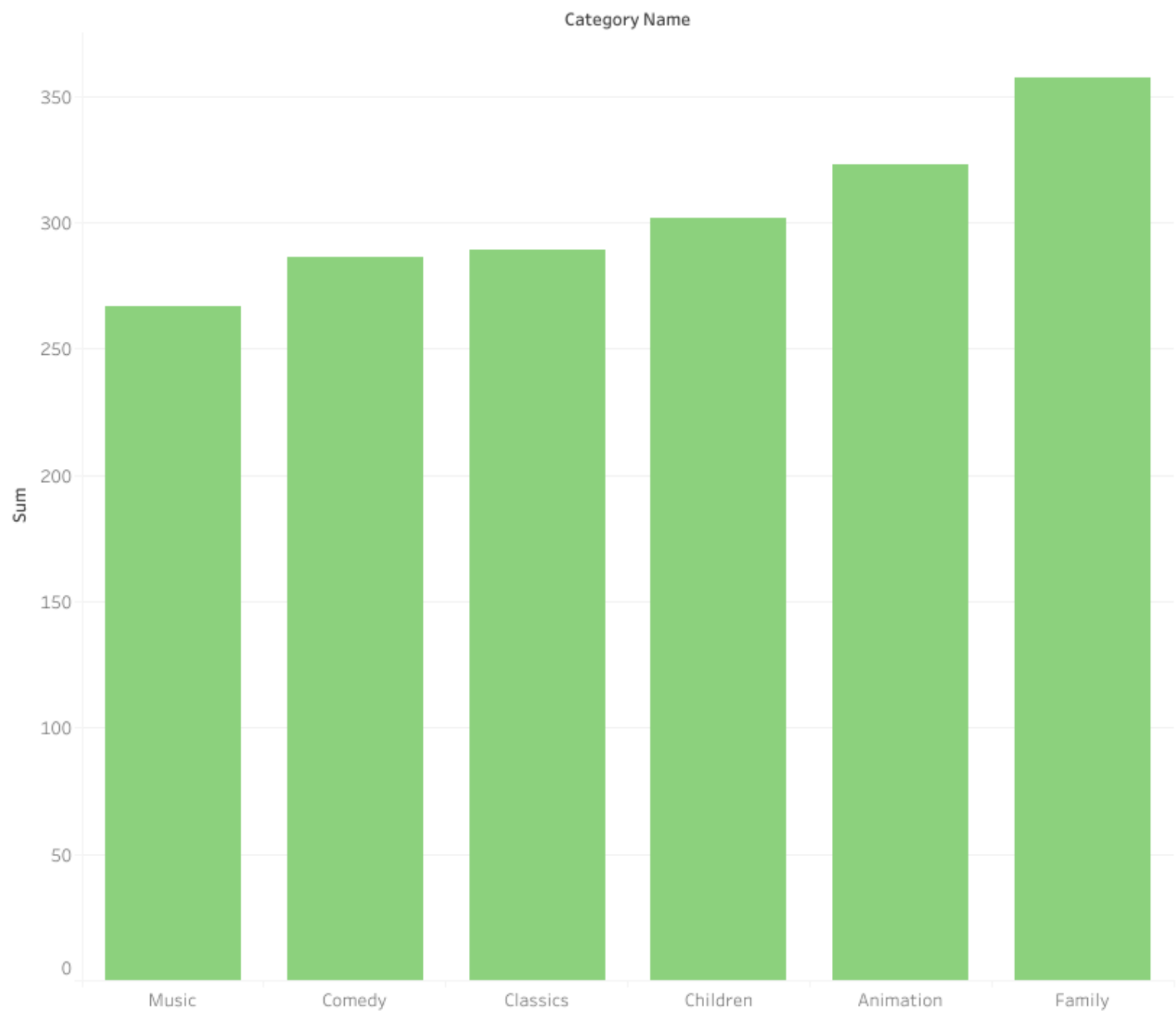
QUESTION 2:

Which are 15 most rented family movies?

As we can see from chart, most rented movies are Scalawag Duck and Juggler Hardly

Data source file: q2.csv  
Query in: Question2\_sql.txt

Total Rental Duration by film category

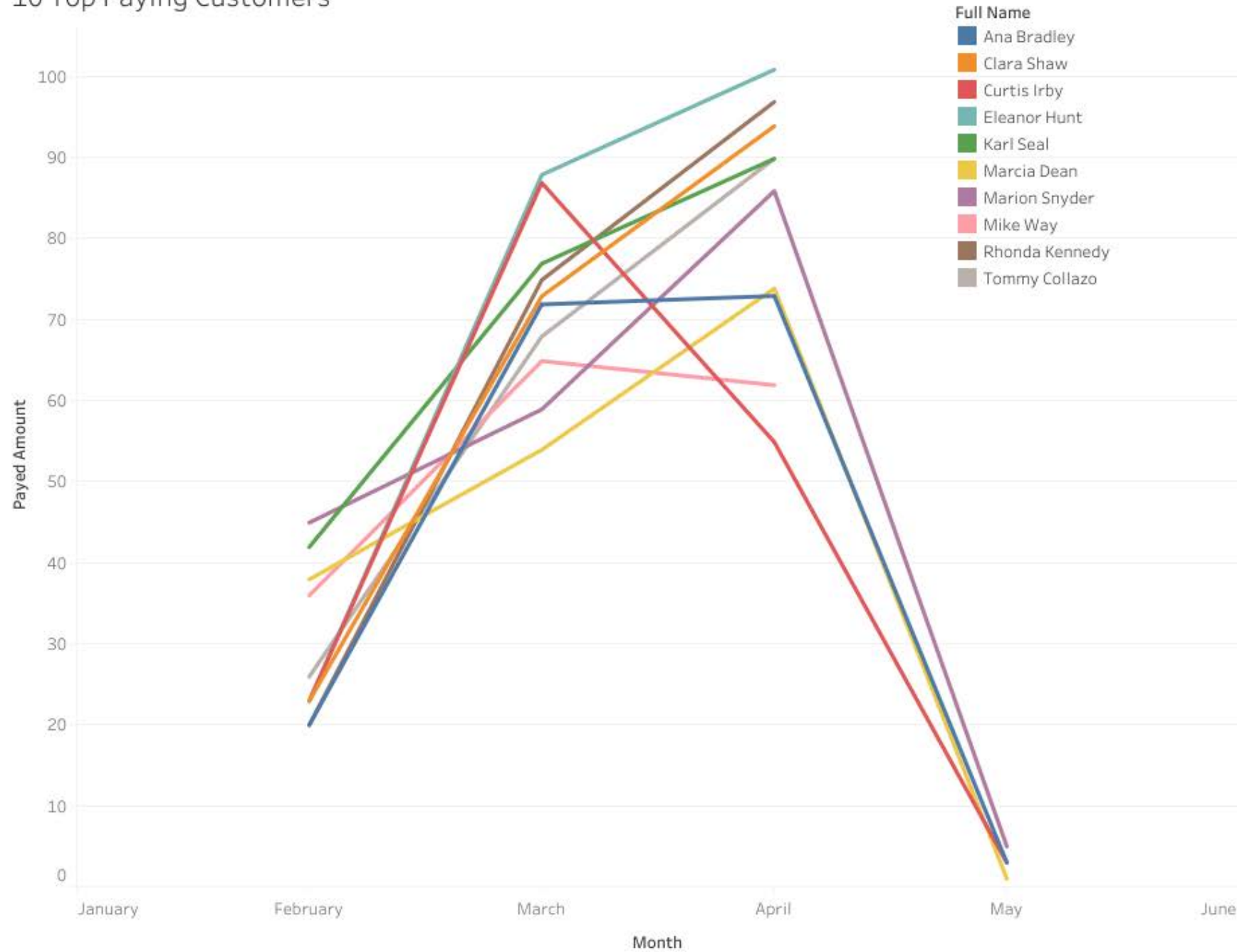


QUESTION 3:  
Which film category is kept most?

Total rental duration, time users kept the film,  
is highest for Family category films.

Data source file: q3.csv  
Query in: Question3\_sql.txt

## 10 Top Paying Customers



### QUESTION 4:

How much did Top 10 paying Customers spend over time period?

In chart we can see payments of top 10 paying customers for February, March, April and May.

Maximum amount they spent was in April and then there was significant decline in spending in May.

Data source file: q4.csv

Query in: set2\_q2.txt