**MySQL Presentation Questions**

**Database: SAKILA**

General Questions to demonstrate Python-SQL integration and some charts (if needed using Python):

1. How is the length of the movie related to the movie rating, rental duration and rental rate set by the store? TABLE(s): film
2. Which category of movie is the longest and does this have any relationship with rental rate? TABLE(s) category, film, film category
3. Which actor has best average rental rate for his/ her movie? -- TABLE(s) film\_actor, films
4. Which category (genre or rating) of film has the most rentals, and does this have to do anything with the length of the film? TABLE(s): category, film, inventory, rental
5. What are the top 5 earning genre or rating of films rented by the customers per store - count and revenue? TABLES: category, payment, film

Ntile():

1. Classify the film genres into buckets of top earnings (rental count \* rental rate)?
2. Classify actors into buckets of most rented (demand)?

Last\_value():

1. What is the genre of the last movie rented in a day? TABLE(s): film, rental, inventory
2. What is the last/ latest payment of customer from the given data (name of the customer also to be queried)? TABLE(s): payment, customer

Lag():

1. What is the typical time duration between successive rentals of a customer? TABLE(s): rental
2. What is the typical time duration between successive rental service fulfilled by the staff? TABLE(s): rental, staff
3. What is the time duration between successive payments at each of the stores (frequency of payments received)? TABLE(s): payment, staff, store