Machine Learning Application

The next step going forward will be using the current data to perform more in-depth analysis using machine learning techniques.

### *How do you frame your main question as a machine learning problem?*

Can the model of software architechtural style popularity predict on a particular style is selected for software development?  
The problem is a supervised problem that uses regression analysis to solve.

### *What are the main features?*

The main features of the model include “Education level”, “Industry”, “Architectural style”.

### *Which machine learning technique will you use?*

The techniques used for the machine learning model are clustering and prediction.

### *How will you evaluate the success of your machine learning technique? What metric will you use?*

Using 70% of the sample data (as training data) to build a logistic regression model. Then, using the rest of 30% data to test the model, regarding the prediction on a particular software architectural style might be selected.