**Problem Description**

**Dataset:** Training and Test Dataset is attached in the mail.

**Problem Description:**

Concrete is the most important material in civil engineering. The concrete compressive strength is a highly nonlinear function of age and ingredients. “Concrete compressive strength” is the dependent variable, which needs to be predicted based on the below independent variables.

**Independent Variables:**

* Cement (component 1) -- kg in a m3 mixture
* Blast Furnace Slag (component 2) -- kg in a m3 mixture
* Fly Ash (component 3) - kg in a m3 mixture
* Water (component 4) -- kg in a m3 mixture
* Superplasticizer (component 5) -- kg in a m3 mixture
* Coarse Aggregate (component 6) -- kg in a m3 mixture
* Fine Aggregate (component 7) -- kg in a m3 mixture
* Age -- Day (1~365)

**Dependent Variable:**

* Concrete compressive strength -- MPa