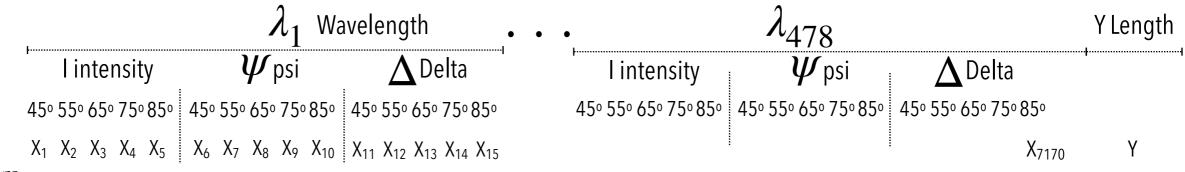# Machine learning for predicting the average length of vertically aligned TiO2 nanotubes
Dataset Description

Dataset is found in two versions: MATLAB mat file and CSV format. Rows contains samples and Columns Features. Last Column represents the Response variable. The rows and columns are distributed as follows:

λ_1 Wavelength $\quad \bullet \ \bullet \ \bullet \quad$ λ_{478} $\qquad$ Y Length

| I intensity | Ψ psi | Δ Delta | I intensity | Ψ psi | Δ Delta |

$45^o\ 55^o\ 65^o\ 75^o\ 85^o \quad 45^o\ 55^o\ 65^o\ 75^o\ 85^o \quad 45^o\ 55^o\ 65^o\ 75^o\ 85^o \qquad 45^o\ 55^o\ 65^o\ 75^o\ 85^o \quad 45^o\ 55^o\ 65^o\ 75^o\ 85^o \quad 45^o\ 55^o\ 65^o\ 75^o\ 85^o$

$X_1\ X_2\ X_3\ X_4\ X_5 \quad X_6\ X_7\ X_8\ X_9\ X_{10} \quad X_{11}\ X_{12}\ X_{13}\ X_{14}\ X_{15} \qquad\qquad\qquad X_{7170} \qquad Y$

Sample S1

Sample S2

$\vdots$

Sample S18