The collected datasets of SCC

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dataset | Number of  predictor variables | Number  of data points | General description | Reference |
| 1 | 11 | 205 | 28-days CS of SCC specimens | ([Asteris and Kolovos 2019](#_ENREF_1)) |
| 2 | 6 | 300 | 28-days CS of SCC specimens containing fly ash | ([Farooq et al. 2021](#_ENREF_2)) |
| 3 | 7 | 327 | Predicting the CS of SCC containing Class F fly ash at different curing ages | ([Pazouki et al. 2022](#_ENREF_3)) |
| 4 | 7 | 366 | Predicting the CS of SCC containing with silica fume at different curing ages | ([Serraye et al. 2021](#_ENREF_4)) |

**Reference**

Asteris PG, Kolovos KG (2019) Self-compacting concrete strength prediction using surrogate models Neural Computing and Applications 31:409-424 doi:10.1007/s00521-017-3007-7

Farooq F et al. (2021) A Comparative Study for the Prediction of the Compressive Strength of Self-Compacting Concrete Modified with Fly Ash Materials 14:4934

Pazouki G, Golafshani EM, Behnood A (2022) Predicting the compressive strength of self-compacting concrete containing Class F fly ash using metaheuristic radial basis function neural network Structural Concrete 23:1191-1213 doi:https://doi.org/10.1002/suco.202000047

Serraye M, Kenai S, Boukhatem B (2021) Prediction of Compressive Strength of Self-Compacting Concrete (SCC) with Silica Fume Using Neural Networks Models Civil Engineering Journal 7 doi:10.28991/cej-2021-03091642