Machine Learning Workshop Acronyms

AI	Artificial Intelligence
ANN	Artificial Neural Network
BPNN	Backpropagation neural network
CalSIM	California Department of Water Resources' planning and simulation model
CCWD	Contra Costa Water District
CDFW	California Department of Fish and Wildlife
CNN	Convolutional Neural Network
CVP	Central Valley Project
DCC	Delta Cross-Channel
Delta	Sacramento-San Joaquin Delta
DL	Deep Learning
DSC	Delta Stewardship Council
DSM	Delta Salinity Modeling
DSM2	Delta Simulation Model II
DWR	California Department of Water Resources
DWRSIM	Department of Water Resources Simulation Model
EC	Electrical Conductivity
EI ratio	Export/Inflow ratio
FC	Fully Connected
G-Model	CCWD's salinity-outflow model
GPU	Graphics Processing Unit
GRU	Gated Recurrent Unit
LSTM	Long-Short-Term Memory
MBSG	Martinez Boundary Salinity Generator
MDO	Minimum Delta Outflow
ML	Machine Learning
MLP	Multi-Layer Perceptron
MTL	Multi-Task Learning
MSE	Mean Squared Error
MWD	Metropolitan Water District
NSE	Nash-Sutcliffe Efficiency
PDE	Partial Differential Equation
PINN	Physics-Informed Neural Network
Res-GRU	Residual Gated Recurrent Unit
Res-LSTM	Residual Long Short-Term Memory
Res-RNN	Residual Recurrent Neural Network
ResNet	Residual Network
RMA	Resource Management Associates
RMA19	Resource Management Associates Water Quality Model
RMSE	Root Mean Squared Error
RNN	Recurrent Neural Network
RSR	Standard Deviation Ratio
SCHISM	Semi-implicit Cross-scale Hydroscience Integrated System Model
SCV Water	Santa Clarita Valley Water Agency
SMSCG	Suisun Marsh Salinity Control Gates

STL	Single Task Learning
SWP	State Water Project
SWRCB	State Water Resources Control Board
UC Davis	University of California, Davis
USBR	United States Bureau of Reclamation
USGS	United States Geological Survey
Valley Water	Santa Clara Valley Water District
WY	Water Year
XAI	Explainable Artificial Intelligence