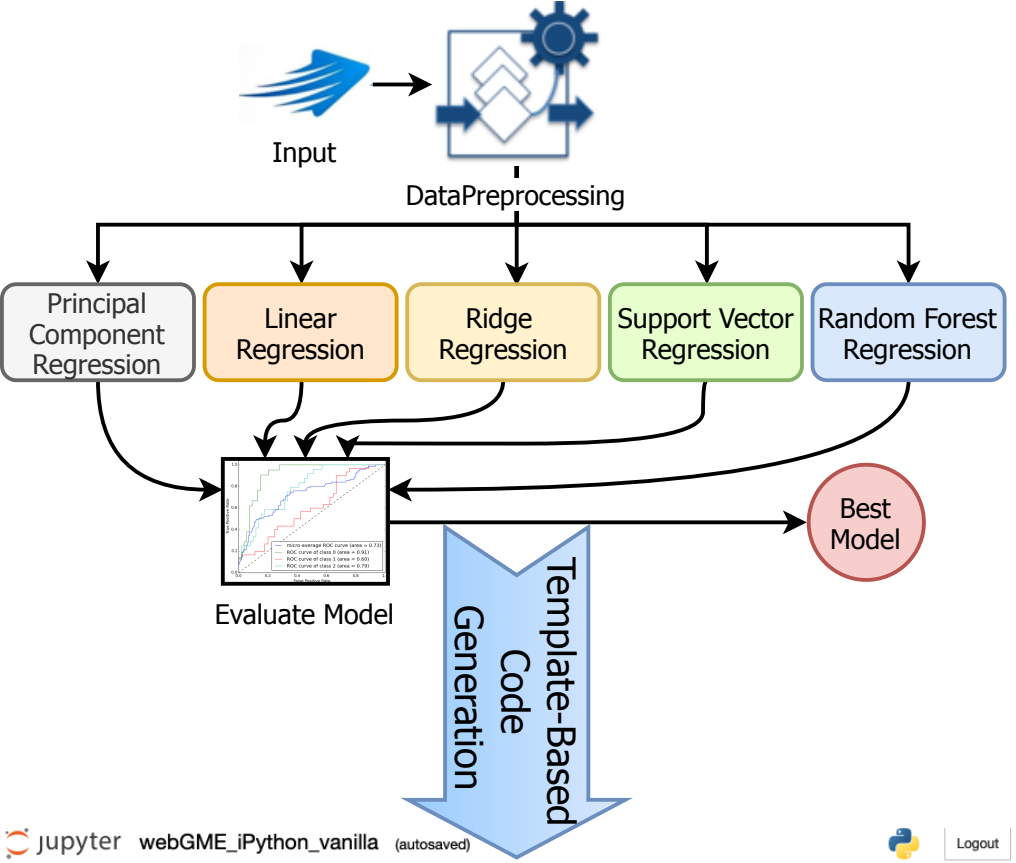

jupyter webGME_iPython_vanilla (autosaved) Logout

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Run Markdown

The Generated WebGME code

In [ ]:
```
import pandas as pd
import numpy as np

# vanilla ML methods ------------------------------------------------
# linear algorithms
from sklearn.linear_model import LogisticRegression
from sklearn.svm import LinearSVC, SVC
# metric algorithms
from sklearn.neighbors import KNeighborsClassifier
# ensemble algorithms
from sklearn.ensemble import RandomForestClassifier, GradientBoostingClassifier
from sklearn.neural_network import MLPClassifier
# deep learning -----------------------------------------------------
```

In [ ]:
```
# visualize pictures
picture_size = (28, 28)
examples = [train[train.label == k].sample(1, random_state=42).values for k in range(10)]

f, axarr = plt.subplots(1, 10, squeeze=False, figsize=(12, 1.2))

for i,e in enumerate(examples):
    # reshape 1D to 2D array - a picture
    img = e[:, 1:].reshape(picture_size).astype(float)
    # then draw it
    axarr[0, i].set_title(i)
    axarr[0, i].imshow(img, cmap='gray', interpolation='bicubic')
```