```
pca_machine = study_set.learning_machine.pca_machine;
[feature, label] = study_set.get_all_data();

pos_indicator = (label == 1);
neg_indicator = (label == 0);
figure
subplot(131)
pca_machine.scatter3(feature(pos_indicator, :), label(pos_indicator, :));
subplot(132)
pca_machine.scatter3(feature(neg_indicator, :), label(neg_indicator, :));
subplot(133)
pca_machine.scatter3(feature, label);

figure
subplot(131)
pca_machine.scatter2(feature(pos_indicator, :), label(pos_indicator, :));
subplot(132)
pca_machine.scatter2(feature(neg_indicator, :), label(neg_indicator, :));
subplot(133)
pca_machine.scatter2(feature, label);

pca_machine
```

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pca_machine =

  PCAMachine with properties:

                         V2: [96x2 double]
                         V3: [96x3 double]
                 CUTOFF: 95
     sampling_proportion: 1
    principle_components: [96x5 double]
              x_lim_range: [-324.7669 668.4279]
              y_lim_range: [-261.6962 300.4078]
              z_lim_range: [-289.2388 154.2363]

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