```
Accuracy: 0.8518 (+/- 0.01)
```

In [13]:
```
# Import ☆ AutoNote - run an.setup() to configure.
from autonote import AutoNote
an = AutoNote(3)
```

☆**AutoNote** Theme → 1 2 3 4 5

In [16]:
```
# Train-Test split
from sklearn.model_selection import train_test_split

X_train, X_test, y_train, y_test = train_test_split(scaled_X,      # features / variables
                                                    y,             # target variables
                                                    test_size=0.2,   # keeping 20% as out of sample (test dataset)
                                                    random_state=42) # seed number
```

In [17]:
```
# Fit the model
from sklearn.linear_model import LogisticRegression

# Instantiate the model
model = LogisticRegression()

# Train the model on the data
model.fit(X_train, y_train)
```

Out[17]:
```
LogisticRegression

LogisticRegression()
```

In [18]:
```
# Score the model
model.score(X_test, y_test)
```

Out[18]:
```
0.839622641509434
```

In [20]:
```
scaled_X
```

Out[20]:
```
array([[-0.02153136, -0.91410734,  0.91050291, ...,  0.69960809,
        -0.98221664,  0.5016002 ],
       [-0.02153136, -0.81503461, -1.09829413, ..., -1.4293717 ,
         1.01810533,  0.26933321],
       [ 1.33656414,  2.55343832,  0.91050291, ...,  0.69960809,
         1.01810533, -1.35653574],
       ...,
       [-2.59476494, -0.41874368,  0.91050291, ...,  0.69960809,
         1.01810533,  0.73386719],
```