```
In [1]: %load_ext autoreload
%autoreload 2
%matplotlib inline

import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import matplotlib.gridspec as gridspec
import seaborn as sns

from hwl import regression

In [2]: X_train, y_train, X_test, y_test = regression.load_data('hwl/hwl-data')
print(X_train.shape)
print(y_train.shape)
print(X_test.shape)
print(y_test.shape)
```

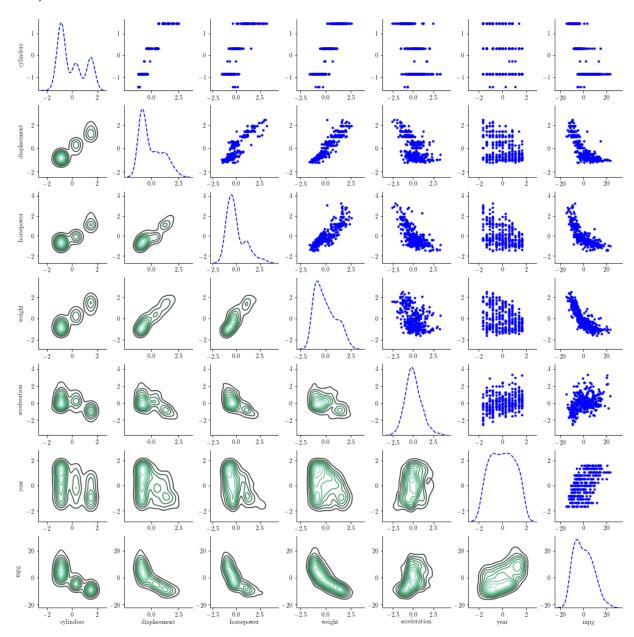
(350, 7) (350, 1) (42, 7) (42, 1)

 π

 $\alpha, \alpha, \beta, \beta, \gamma, \Gamma, \pi, \Pi, \phi, \varphi, \mu, \Phi$

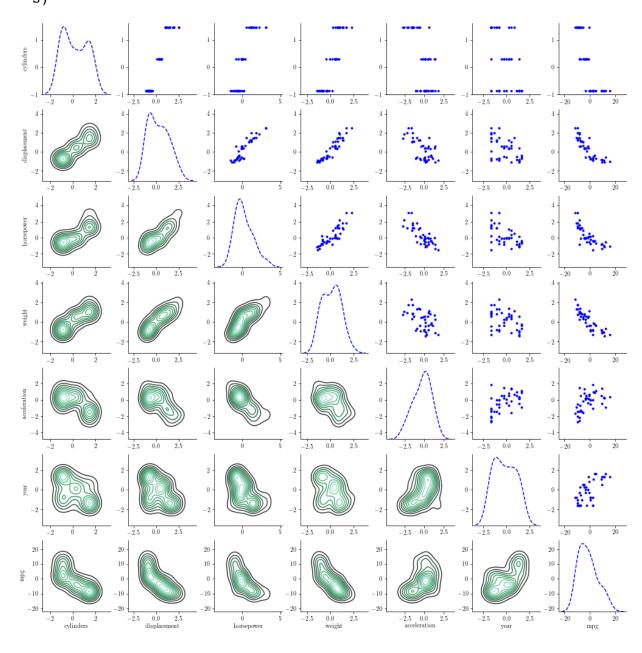
/Users/kmamykin/anaconda3/envs/hearts/lib/python3.6/site-packages/matplot lib/contour.py:967: UserWarning: The following kwargs were not used by co ntour: 'label', 'color'



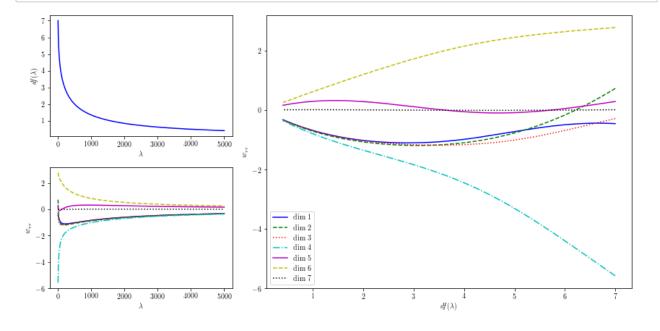


/Users/kmamykin/anaconda3/envs/hearts/lib/python3.6/site-packages/matplot lib/contour.py:967: UserWarning: The following kwargs were not used by co ntour: 'label', 'color'

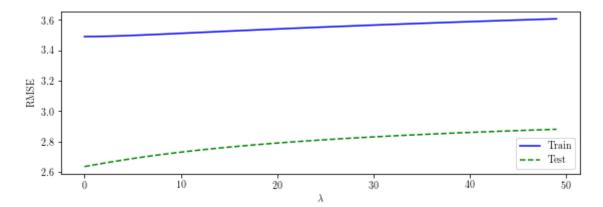
s)

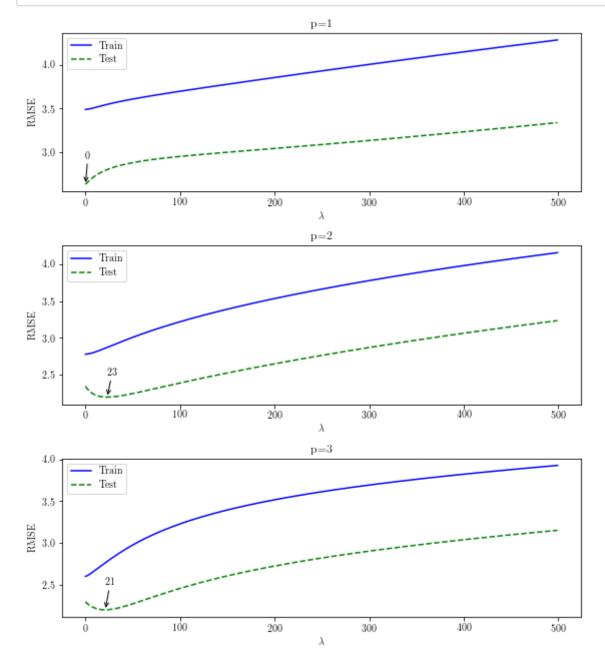


In [5]: regression.part1a()



In [8]: regression.part1c()





References

• Lars Buitinck et all, "API design for machine learning software: experiences from the scikit-learn project", https://arxiv.org/pdf/1309.0238.pdf (https://arxiv.org/pdf/1309.0238.pdf)