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```
function sheet09
```

```
X = textread('splice-train-data.txt', '%s');
Y = load('splice-train-label.txt');
XE = textread('splice-test-data.txt', '%s');
YE = load('splice-test-label.txt');
```

```
tic
fprintf('Writing training features for k = 1\n');
write_wdk_features('wdk1-train.txt', 1, X, Y);
fprintf('Writing test features for k = 1\n');
write_wdk_features('wdk1-test.txt', 1, XE, YE);
toc
```

```
tic
fprintf('Writing training features for k = 2\n');
write_wdk_features('wdk2-train.txt', 2, X, Y);
fprintf('Writing test features for k = 2\n');
write_wdk_features('wdk2-test.txt', 2, XE, YE);
toc
```

```
tic
fprintf('Writing training features for k = 3\n');
write_wdk_features('wdk3-train.txt', 3, X, Y);
fprintf('Writing test features for k = 3\n');
write_wdk_features('wdk3-test.txt', 3, XE, YE);
toc
```

```
function beta = beta(K, k)
beta = 2 * (K - k + 1) / K / (K + 1);
```

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
% Your solution below
%
% 1. write out weighted degree kernel features
% out into file FN up to degree K. (You should accept values of K = 1, 2,
% 3
function write_wdk_features(FN, K, X, Y)
% ...
```

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Für Fragen zum Übungsblatt bitte in der Google Group <http://groups.google.com/group/ml-tu> registrieren und die Fragen an die Mailingliste stellen.