

## Report for HW2

Please report the following:

### Problem 1:

1a.

- State the solver you used. Also state (just the name, with a citation to an appropriate paper or book) the algorithm it uses
- The reconstruction error in table form as: “XXXX measurements: Error = X”

1b.

- Reconstruction error in table form as: “XXXX measurements: Error = X”
- Your intuition as to why IHT is worse than L1 minimization

### Problem 2:

2a.

- Classification output for the dev set as a confusion table :

	LANG 1	LANG2	LANG3	..	..
LANG1	#num	#num			
LANG2					
..					

Where the entry in the  $i$ th row  $j$ th column is the number of dev instances from language “ $i$ ” that were classified as language “ $j$ ”.

Overall accuracy (%)

- Classification output confusion table and accuracy for the eval set, as above

2b.

Results in the same format as for 2a.

2c. Results in the same format as 2b.