

Week 1

Aug 27 to Sep 2

Monday: python variables, conditionals, loops, operators

Tuesday: lists, functions, ranges

Wednesday: list comprehension, file input/output, exception handling

Sunday: dictionary, tuple, map, filter, reduce

Week 2

Sep 3 to Sep 9

Monday: classes, inheritance

Tuesday: more on classes and data hiding

Wednesday: regular expression

Sunday: python review

Week 3

Sep 10 to Sep 16

Monday: numpy arrays, slicing and basic matrix-vector operations

Tuesday: scipy basics

Wednesday: pandas basics

Sunday: scikit-learn basics

Week 4

Sep 17 to Sep 23

Monday: intro to tensorflow

Tuesday: data representation, training , testing in tensorflow

Wednesday: intro to keras

Sunday: hand-digit recognition project starts based on MNIST database