



Review

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CS8 – Computational Structures in Data Science

<http://inst.eecs.berkeley.edu/~cs88>

Lecture 5

Feb 29, 2016

Computational Concepts Toolbox



- Data type: values, literals, operations,
- Expressions, Call expression
- Variables
- Assignment Statement
- Sequences: tuple, list
- Data structures
- Tuple assignment
- Call Expressions
- Function Definition Statement
- Conditional Statement
- Iteration: list comp, for, while
- Higher Order Functions
 - Functions as Values
 - Functions with functions as argument
 - Assignment of function values
- Higher order function patterns
 - Map, Filter, Reduce
- Function factories – create and return functions
- Recursion
 - Linear, Tail, Tree



2/22/16

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Administrative Issues



- Cuke Tourney => leaderboard
- Midterm Friday 3/4 5-7 pm in 405 Soda
 - 8.5 x 11 Cheat sheet (yours)
 - Class study key (we will provide one)
- Lab 04 is review
 - due Wed 11:59 so we can give you solutions Thursday morning (vote)
- HW 04 is practice test => Thurs
 - More review
 - Out Tues morning - do lab first (vote)
- Review Session Wed 6-8, 405 Soda

Review Notebook

