

Review of Week 7

COGS1 – Spring 2019

Midterm 2 in Lecture – Tuesday 5/21 Quiz G – in section during week 8

O Quiz G will be on week 7 reading and lecture material.

7 May 14 – 16 *For Dummies — The Introduction to Neural Networks we all need! (*EC Prereading quiz: opens on TritonEd Monday, May 13 @ 4pm – Tuesday, May 14 @ 10:00am)

Dr. **Boyle** (5/16)

Midterm-2 Review

Dr. Cottrell (5/14)

Introduction to Neural Networks

Quiz F in section

Next week: Midterm 2 –

May 21st in class- scantron
provided ©

#A Six Unit Network is All You Need to Discover Happiness (#Optional reading)

O Midterm-2 is on Tuesday during lecture of Week 8

O Midterm-2 covers all material from weeks 4 – 6.

Extra-Credit Quiz – Voytek reading-Week 8

8 May 21 – 23 Midterm-2 Exam in class (5/21) Covers weeks 4-6

Scantron provided.

Bring a pencil & UCSD ID

Dr. Voytek (5/23)

Introduction to Data Science

*The Unreasonable Effectiveness of Data

(*EC Prereading quiz: opens on TritonEd Wednesday, May 22 @ 4pm – Thursday, May 23 @ 10am.)

Quiz G in section

May 21th in class- scantron

Midterm 2 –

provided ©

REVISED

11:33 am, May 13, 2019

Cottrell – Computational Modeling

- 1. What are the methods that could be used to unravel how the brain works?
- 2. Why do we need models/modeling in cognitive science? What are the axioms of cognitive science?
- 3. What are the motivations to study neural nets?
- 4. How do humans compute? Illustrate with examples.
- 5. How do biological neural networks differ from machine neural networks?
- 6. What does a good cognitive model looks like (or how does Dr. Cottrell like to build cognitive models)? How does the neural net for reading work?
- 7. What is a perceptron?
- 8. Understand the basics of the training process of a perceptron.
- 9. What type of problem can a perceptron solve?
- 10. What type of problem can a perceptron solve?