Review of Week 7
Quiz G will be on week 7 reading and lecture material.

<table>
<thead>
<tr>
<th>Date</th>
<th>Reading Material</th>
<th>Instructor</th>
<th>Lecture Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 May 14 – 16</td>
<td><em>For Dummies — The Introduction to Neural Networks we all need!</em> (<em>EC Prereading quiz: opens on TritonEd Monday, May 13 @ 4pm – Tuesday, May 14 @ 10:00am)</em></td>
<td>Dr. Cottrell (5/14)</td>
<td>Introduction to Neural Networks</td>
</tr>
<tr>
<td></td>
<td>A Six Unit Network is All You Need to Discover Happiness (<em>Optional reading</em>)</td>
<td>Dr. Boyle (5/16)</td>
<td>Midterm-2 Review</td>
</tr>
</tbody>
</table>

Midterm-2 is on Tuesday during lecture of Week 8

- 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

Quiz G in section
Midterm 2 –
May 21st in class- scantron provided 😊

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*The Unreasonable Effectiveness of Data*

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

**REVISED**
11:33 am, May 13, 2019
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?
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?