Homework 3
Ling495

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Fall, 2018

Due: November 1, 2018

1. Hand in the homeworks to Nikita.

2. No pre-grading, but you can consult with me on questions. My office hours are sometimes fluid, but I am a morning lark, so I'm in my office TWTh from (let's say) 9am till 10:20.

3. Neatness is good.

4. Avoid late homeworks at all costs!

First, as a warm-up, look at the original description of the Big Monkey-Little Monkey game on pages 9-10. This is a sequential game where Big Monkey seems to have the upper hand. Suppose, however, that Big Monkey and Little Monkey choose simultaneously. First, give the normal form representation of this variant of the game. Next, it's quite plausible that Big Monkey and Little Monkey should use a mixed Nash equilibrium. Work out their probability distributions. Show your work!

Next, work the following problems in Schecter & Gintis:

- **5.12.1 Courtship among birds**. pp. 144-145

- **5.12.2 The travails of Boss Gorilla 3**. p.145

- **5.12.3 War and peace**. pp. 145-156