RECORD YOUR DATA FROM THE SIMULATIONS IN THE TABLES BELOW

| | Positive Patterning | Negative Patterning |
|---|---|---|
| | **File: PRpos.net** | **File: PRneg.net** |
| **Previously Reinforced** | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | *Average:* | *Average:* |
| | **File: NPRpos.net** | **File: NPRneg.net** |
| **Not Previously Reinforced** | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | *Average:* | *Average:* |
| **Table 16-2. Record of data obtained from Study 1** | | |

| | Positive Patterning | Negative Patterning |
|---|---|---|
| | **File: PRpos.net** | **File: PRneg.net** |
| **Previously Reinforced** | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | *Average:* | *Average:* |
| | **File: NPRpos.net** | **File: NPRneg.net** |
| **Not Previously Reinforced** | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | Sweeps: | Sweeps: |
| | *Average:* | *Average:* |
| **Table 16-3. Record of data obtained from Study 2** | | |

EXERCISE 16.1

1. Examine your results in Table 16-2. Is it possible for perceptrons to provide potential models of patterning? Why are you in a position to make this claim?

2. Are your results consistent with those of the model that was created by Delamater, Sosa and Koch (1999)? Make sure that you describe how your results are consistent or inconsistent, in qualitative terms – a yes or no

answer will not suffice! (You will have to consult Section 16.1.2 to answer this question.)

3. Are your results consistent with those of the animal data that was collected by Delamater, Sosa and Koch (1999)? Make sure that you describe how your results are consistent or inconsistent, in qualitative terms – a yes or no answer will not suffice! (You will have to consult 16.1.2 to answer this question)

EXERCISE 16.2

1. Examine your results in Table 16-3. Is it possible for perceptrons to provide potential models of patterning? Why are you in a position to make this claim?

2. Are your results consistent with those of the model that was created by Delamater, Sosa and Koch (1999)? Make sure that you describe how your results are consistent or inconsistent, in qualitative terms – a yes or no answer will not suffice! (You will have to consult Section 16.1.2 to answer this question.)

3. Are your results consistent with those of the animal data that was collected by Delamater, Sosa and Koch (1999)? Make sure that you describe how your results are consistent or inconsistent, in qualitative terms – a yes or no answer will not suffice! (You will have to consult 16.1.2 to answer this question)

4. On the basis of the answers to the six preceding questions in this chapter, what are the implications of these results for using perceptrons to study patterning in experiments on animal learning?