Question 1 of 11: Set up a RapidMiner process using Read CSV and the GSP operator (Generalized Sequential Patterns - not the WEKA version W-GeneralizedSequentialPatterns). What should your customer id be?

- ● **A) anonid**
- ○ B) obsnum
- ○ C) behavior
- ○ D) affect

Question 2 of 11: What should your time attribute be?

- ○ A) anonid
- ● **B) obsnum**
- ○ C) behavior
- ○ D) affect

Question 3 of 11: Set min support = 0.6, window size = 0.0, max gap = 5.0, min gap = 0.0, positive value = 1. Which of these association rules has the highest support?

- ○ A) behavior-ontask → behavior-ontask
- ○ B) behavior-offtask → behavior-offtask
- ● **C) behavior-ontask → affect-concentrating**
- ○ D) affect-concentrating → affect-concentrating → affect-concentrating → affect-concentrating → behavior-ontask AND affect-concentrating

Question 4 of 11: If you set window size = 2.0, what is the association rule with the highest support that now is created (but was not created in question 3's settings)?

- ● **A)** affect-concentrating → behavior-ontask → behavior-ontask AND affect-concentrating
- ○ B) affect-concentrating → behavior-ontask → affect-concentrating
- ○ C) affect-concentrating → behavior-ontask → affect-concentrating → affect-concentrating
- ○ D) behavior-ontask → behavior-ontask → behavior-ontask AND affect-concentrating

Question 5 of 11: Set window size back to 0.0. Set max gap to 1.0. Which is the rule with the most items?

- ● **A)** behavior-ontask AND affect-concentrating → behavior-ontask AND affect-concentrating
- ○ B) affect-concentrating → behavior-ontask → affect-concentrating
- ○ C) behavior-ontask → behavior-ontask → behavior-ontask AND affect-concentrating

Question 6 of 11: Which of these is a reason why you might want to create a window size above 0?

- ● A) Related events may be linked but separated by a few seconds
- ○ B) Unrelated events may be separated by a few seconds
- ○ C) Related events may occur at exactly the same time
- ○ D) Unrelated events may occur at exactly the same time

Question 7 of 11: How many students had the sequential rule behavior-ontask → affect-concentrating at least once? (Hint: RapidMiner may not be the easiest tool to compute this with)

Question 8 of 11: What is the confidence for sequential rule behavior-ontask → affect-concentrating? Give three digits after the decimal point, round to nearest number. (Hint: RapidMiner may not be the easiest tool to compute this with)

0.726

Question 9 of 11: What is the cosine for sequential rule behavior-ontask → affect-concentrating? Give three digits after the decimal point, round to nearest number. (Hint: RapidMiner may not be the easiest tool to compute this with)

0.671

Question 10 of 11: What is the lift for sequential rule behavior-ontask → affect-concentrating? Give three digits after the decimal point, round to nearest number. (Hint: RapidMiner may not be the easiest tool to compute this with)

0.494