BASIC ASSIGNMENT 4 CORE METHODS IN EDUCATIONAL DATA MINING PROFESSOR RYAN S. BAKER

DUE VIA ASSISTMENTS OCTOBER 16, 2024, 1159pm, EASTERN STANDARD TIME

In this assignment, you will need to build a Bayesian Knowledge Tracing model for this week's data set. This data set is a subset of the data set used in:

Baker, R.S.J.d., Corbett, A.T., Roll, I., Koedinger, K.R. (2008) Developing a Generalizable Detector of When Students Game the System. *User Modeling and User-Adapted Interaction*, 18, 3, 287-314.

This variables in the data set are:

- ID a unique ID for every student action in the Cognitive Tutor used
- Lesson the tutor lesson the action comes from
- Student a deidentified ID for the student
- KC the knowledge component (skill) involved
- Item the problem step in the learning system
- Right is the student action right (1) or not right (0)
- Firstattempt is this the student's first attempt at the problem step (1)?
- Time how long did the student attempt take?

You should complete this assignment in Python.

Final note: If ASSISTments displays check marks and X's on the left panel of the assignment, or a performance bar on the bottom, don't wory. It is OK to ask for hints and make errors. If you complete the assignment, you will receive full credit.