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

DUE VIA ASSISTMENTS OCTOBER 23, 2023, 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.**