Predicting Student Performance Based on Coding Behavior in STEAMplug

Authors : Giovanni Gonzalez Araujo, Michael Kyrilov, Angelo Kyrilov

Abstract : STEAMplug is a web-based innovative educational platform which makes teaching easier and learning more effective. It requires no setup, eliminating the barriers to entry, allowing students to focus on their learning throughreal-world development environments. The student-centric tools enable easy collaboration between peers and teachers. Analyzing user interactions with the system enables us to predict student performance and identify at-risk students, allowing early instructor intervention.