

Dr. Juyoung Song

**Professor Tenure-Line
Criminal Justice**

Title of your research project.

International Self-Report Delinquency Study

Description of research. Please provide a few sentences that explain the question and the methods employed in this research project.

The present research will be included Prediction on Delinquency and Recidivism by using Machine Learning analysis in South Korea by using ISRD (International Self-Report Delinquency Study) data. The study will use dataset based on the ISRD questionnaire and questions about experience of youth in juvenile justice facilities in Korea. The crime phenomenon of modern society is more complex and diverse than in the past. There are many ways to predict and analyze crime phenomena. The current era of the fourth industrial revolution is experiencing innovative changes as cutting-edge information and communications technology are incorporated into all areas of the economy and society; for example, artificial intelligence (AI), the Internet of Things, big data, and mobile technology. The discussions of politics, economy, and culture posted on social media outlets represent the opinions of the era.

Did this project include Penn State students as researchers?

Yes

If yes to the above question, please state where it was published.

N/A

What problem do you address with your research?

To analyze how external factors can affect crime rates among Korean youth.