

Statistics Education for 4-9th Students by Developing a Software K-Plots

Jung Jin Lee*

Soongsil University, Seoul, Korea, jjlee@ssu.ac.kr

Recent development of IT & network technology has enabled us to develop many softwares for statistics education. An international classroom project for the 4-9th students called census@school is also going on to share data, idea, experience in learning and teaching statistics. A software called TinkerPlots, www.keypress.com/x5715.xml, has been developed for this project and it includes dynamic graphs, useful examples for students, and simple data analysis. It is a reasonably good software for students, but we feel that its operation is not easy for students and examples do not suit for Korean students. Also it is not a free software. We decided to develop a new software called K-Plots which has an easy operation and good examples for Korean students. K-Plots includes graphs in math books of the 4-9th grade students and the graphs are linked dynamically. Masking is also possible between data and graphs. K-Plots is developed by Java to prepare for mobile environment such as Android system. An international collaboration for developing this kind of software would be possible.

Key Words: Statistics Education, dynamic graphs, statistical software