

**PRACTICE OF PROACTIVE UTILIZATION OF MATHEMATICAL
REPRESENTATION IN LEARNING OF STATISTICS**

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By providing the children the trial and error training, I urge the children to make use of mathematical representation on their own initiative. So, as a developmental learning of statistics of the first year senior high school, I dealt with the transformation of the variable based on the roll of the dice. From the previous result, I asked the teacher to let the students discover the problem with the change of numbers/variables from the rolling of the dice. The students' trial and error development on the new data in the following cases, they analyzed and concluded: (1) new data obtained by adding constants all together, (2) new data obtained by multiplying data all. As a result of practice, I could encourage subjective use of mathematical representation.