

# HOW AI WILL AFFECT COVERAGE OF BUSINESS STATISTICS

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## ABSTRACT

Artificial Intelligence (AI) is becoming an unavoidable reality in our daily lives, and it will be an integral part of higher education. If AI has not yet changed how we educate students in higher education, it will certainly change it in the near future.

The purpose of this presentation is to report on a preliminary investigation as to how AI can affect teaching of quantitative decision making in business, specifically business statistics. Selected examples will be given on

- data visualization,
- Bayesian analysis,
- decision trees, and
- coin tossing experiments to determine the utility curve of decision maker.

We argue that AI will change how to teach these topics. For instance, we will not teach how to construct a decision tree, but simply state the problem and let AI “solve” it. The student’s role, then, is to “interpret how to implement” the solution. In the current implementation, for example in Chat GPT, the issue is to be able to use appropriate language that Chat GPT understands in asking questions.

Our main conclusion is that as AI tools, like Chat GPT, continue to improve, they will result in structural changes in higher education.

**Keywords:** Business Statistics, Artificial Intelligence, Chat GPT.