

ON STATISTICS EDUCATION INNOVATION FROM STATISTICS DEVELOPMENT PERSPECTIVES

Yu Zhu and Meng Wang

Department of Statistics, Xi'an University of Finance and Economics, China, 710100
zhuyutj628@aliyun.com

STATISTICS DEVELOPMENT TREND

Throughout the development trends of statistics over the years in China, it has two distinct features: continuous blend of statistics disciplines and other disciplines and computer science applied within statistics.

CURRENT PROBLEMS IN STATISTICS EDUCATION

Contemporarily, there are several existing issues on statistics education in China which remain to be solved. They are, restricted educational goals, the outdated teaching content, monotonous education approach, low professional level of teachers. Ways to deal with these problems are listed in this paper.

INNOVATION METHODS OF STATISTICS EDUCATION

Re-Establish Statistics Teaching Objectives

The new goal of statistics education is firstly to nurture students' statistics application ability and secondly make students master both theoretical foundation and statistical expertise.

Well-Set Statistics Courses and Standardized Curriculum

In the teaching content organization, in order to enable students to form good subject knowledge of complex structures, there ought to be fundamental statistics courses, application and/or practical courses, additional related business courses and theme lectures.

Application of Statistical Analysis Software

As a strongly applicable methodology discipline, statistics ought to focus on data analysis in education. So colleges should utilize temporary laboratories and modern facilities to improve students' ability to use software.

Multichannel to improve professional level of teachers

Excellent professional teachers are indispensable for training excellent statistics talents. Improving teachers' level needs not only the academic level of them but also comprehensive abilities. Outstanding statistics teachers are required to adequately obtain statistical knowledge, Mathematics, English, Computer Science and practical capability.

International Exchange and Cooperation

China is the world's largest educational growth potential country. The UK, USA, Canada, Japan, Australia and other educational powers started a fierce competition facing the giant education market. Statistics education can seize the opportunity to select some of the high-level educational institutions to cooperate with.

CONCLUSION

In summary, we should upgrade statistics professional training mode, implement statistics education innovation, complete statistics education in order to cultivate advanced statistics professionals with global vision, solid professional foundation and creativity.