

A Comprehensive Analysis of Students' Performance in the State Matura Mathematics Exam

BETI LAMEVA^{*}, SONJA GEGOVSKA-ZAJKOVA[†],
JASMINA MARKOSKA[‡]

^{*}National Examination Center of North Macedonia, Skopje

[†]"Ss. Cyril and Methodius" University,

Faculty of Electrical Engineering and Information Technologies, Skopje

[‡]SUGS "Georgi Dimitrov", Skopje

The state matura is external final examination that is conducted at the end of four years of secondary education. Its goals include, among others, monitoring and controlling the quality of secondary education, as well as selecting candidates who compete for admission to higher education. In this paper, the authors analyze the students' achievements in the mathematics exam by considering various factors, such as the type of completed secondary education, gender, and nationality of the examinees. Furthermore, the students' performance in four mathematical areas is examined: Algebra, Geometry, Analytical Geometry and Progressions. The results obtained in the June examination session were compared across three school years: 2018/19, 2020/21, and 2021/22.