Data Mining Project

Data mining has become an essential topic in all fields. According to (Liu et al., 2018), data mining has steadily replaced the traditional data collection method and manipulation method. With the increase in data mining advancement, researchers can study the relationship between data much efficiently. Rajab & Ramadhan (2019) identified data mining in university and education facility management. With the increase in the number of databases, more efficient methods of analyzing data are needed to recommend certain factors that would improve the current situation.

Rajab & Ramadhan (2019) defined data mining as incorporating mathematical methods to understand data behavior. Data mining methods applied allows the extraction of tendency patterns from the available data. Data mining is applicable across industries.

Relationship between School Desegregation and Academic Achievement

Education is an essential aspect of any economy. It raises people's productivity and creativity in the use of available resources (Ozturk, 2019). Policies in the education sector, therefore, affect a country either directly or indirectly. Some of the most sort after topics in the education sector include school segregation (Karsten, 2019). Immigrants in different countries are a significant concern because of low participation and low-performance levels in higher education. Such regions suffer from high dropout levels. Considering the role of education in a country's economy, improving immigrant students' educational position is essential. This research will evaluate whether education segregation affects the supply and demands of schools in the local market.

According to Rosiek (2019), desegregating our school desegregation of schools is a constant social force. Over the years, school segregation has come out as remission and has come out as a hard problem to solve. Today, school segregation is not enforced by law; instead, it is enforced by school choice policy, housing policies, and zoning policies. The data mining project will seek to establish whether such policies have affected school desegregation.

The research will seek to answer the following questions;

1. Does school segregation affect academic achievement?
2. Does racial mixing increase increase academic achievement of non-white students?
3. Does school desegregation have a negative effect on academic acheivement of nonwhite students? (Weinberg, 2018).

Dataset: https://www.propublica.org/datastore/dataset/school-segregation-charter-district-data

References

Karsten, S. (2019). School Segregation. *International Economics Journal*, 2.

Liu, Y., Chen, J., Liu, J., He, W., & Li, T. (2018). The Application of Data Mining Techniques in College Students Information System. *International Conference on Computer Science, Electronics and Communication Engineering (CSECE 2018)* (p. 2). Atlantis: Atlantis Press.

Ozturk, I. (2019). The Role of Education in Economic Development: A Theoretical Perspective. *SSRN Electronic Journal*, 4.

Rajab, A. M., & Ramadhan, R. M. (2019). Application of Data Mining Techniques in Students' Performance Prediction and Analysis. *International Journal of Academic Information Systems Research (IJAISR)*, 23-36.

Rosiek, J. (2019). School segregation: A realist's view. *he professional journal for educators*, 3.

Weinberg, M. (2018). THE RELATIONSHIP BETWEEN SCHOOL DESEGREGATION AND ACADEMIC ACHIEVEMENT: A REVIEWOF THE RESEARCH. *LAW AND CONTEMPORARY PROBLEMS*, 241.