

Majorization and its applications

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Majorization is a partial order that surprisingly arises naturally in economics, chemistry, physics, political science, and more. Of particular interest are applications in probability and statistics. In this talk, I will provide some historical origins as they arise in applications, present some of the key theorems, and list examples in different fields.

References

- [1] Marshall, A.W., Olkin, I., Arnold, B.C. (2011). *Inequalities: Theory of Majorization and Its Applications. Second edition.* Springer, New York.