

LINEAR ALGEBRA PROJECT DEFINATION:

Group Members:

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INFORMATION RETRIEVAL USING VECTOR SPACES:

Information retrieval has been complicated in recent decades by the growth of the Internet ,which has demanded a way of sorting through large amounts of documents for those containing relevant information. The vector space model of information retrieval provides a way in which to search through those enormous compilations of documents and return documents in a database as relevant.

There have been multiple methods of information retrieval used to solve this dilemma, but one of the most basic forms uses vector spaces to model information and provides a practical and efficient way to sort through it.

Conclusion:

The vector space model, provides interesting insight into how searches are done in very large databases, which is an important topic in light of the use of the Internet and search engines. It also provides an example of how linear algebra concepts are put to use in a very practical way in the real world.

Prerequisites:

Need to have basic knowledge on octave in manipulating matrices. Additional python is appreciated.