Heritage point of interest recommendation for groups

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When a group of people is visiting a new city, there are many Points of Interest (PoIs) related to heritage that they could visit depending on their nature, such as artistic, archaeological and architectural, amongst others. Added to the diversity of the places available, each person has different interests over PoIs, such as political, religion or cultural interests. This leads to the necessity of filtering the information in order to discover the most interesting POIs to visit from the group point of view as a whole. Therefore the usage of personalisation techniques, such as Group Recommender Systems (GRS) is interesting and useful to deal with the previous problem. As heritage related PoIs are well described in public government databases[1], the use of content-based recommender systems are suitable for this domain. Content-based techniques rely on information over items such as metadata or textual descriptions to build item profiles which are used in the recommendation phase to recommend items similar to the user profile. In this work, we explore content-based GRS techniques recommendation in heritage domain by using public government databases information in conjunction with information over visited places from Foursquare. This allows us to perform a case of study to assess the performance of different content-based techniques.

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[1]   http://www.iaph.es/web/canales/conoce-el-patrimonio/guia-digital