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| **TM for Tourism Studies** | **Study Objective** | **Models** | **Datasets** | **Metrics** |
| Huy Quab Vu et Al [] | Analysis of travel itineraries | LDA | Twitter, Foursquare | Perplexity, topic concentration |
| Rossetti M. et Al [] | Rating prediction and recommendation, suggest ratings for reviews and interpretation of users and items | LDA, Topic-Sentiment Criteria | TripAdvisor, Yelp | RMSE, two-sample Kolmogorov-Smirnov test |
| Nan Hu et Al [] | Customers’ complaints | STM | TripAdvisor | Several analysis on the topics obtained. No specific metri score |
| Calheiros A. at Al [] | Sentiment Classification of Reviews | LDA | Custom Dataset collected online | Several analysis on the topics obtained. No specific metri score |
| Takeshi Kurashima et Al [] | Locations recommendations | Geo Topic Model | Tabelog and Flickr-sourced geotag collection | 5-best accuracy |
| Shuhui Jiang at Al [] | Travel Recommendation | Author Topic Collaborative Filtering | Geo-tagged photos from Flickr | MAP |