

HOW CAN BANGKOK PEOPLE USE TRADITIONAL TAXI
SERVICES MORE EFFICIENTLY ?

MIND MAP

POPULAR AMONG
FOREIGN TOURISTS



AVAILABILITY



SPEED



Planning and sharing :

to live in a small and crowded city like Bangkok, planning before commuting makes life easier and could save a lot of money.



Why :

Bangkok has one of the worst traffic in the world. In average, people spend time on the road 3 hours a day. During rush hours, people who use taxi could be charged 3 times more than normal. The transportation management is needed to help people from suffering.

ACADEMIC ARTICLES / JOURNALS

- Ma, Shuo, Yu Zheng, and Ouri Wolfson. "Real-Time City-Scale Taxi Ridesharing." IEEE Transactions On Knowledge & Data Engineering 27.7 (2015): 1782. Publisher Provided Full Text Searching File. Web. 16 Sept. 2015.

This will be my case study of a taxi-sharing system that accepts taxi passengers' real-time ride requests sent from smartphones.

- Santi, Paolo, et al. "Taxi Pooling In New York City: A Network-Based Approach To Social Sharing Problems." (2013): arXiv. Web. 16 Sept. 2015.

To study some existing problems of Taxi pooling in New York City

- Hosni, Hadi, Joe Naoum-Sawaya, and Hassan Artail. "The Shared-Taxi Problem: Formulation And Solution Methods." Transportation Research Part B 70. (2014): 303-318. ScienceDirect. Web. 16 Sept. 2015.

To be my case study of the problem in developing country and the problem of assigning passengers to taxis.

- Lin, Yeqian, et al. "Research On Optimization Of Vehicle Routing Problem For Ride-Sharing Taxi." Procedia - Social And Behavioral Sciences 43.8th International Conference on Traffic and Transportation Studies (ICTTS 2012) (2012): 494-502. ScienceDirect. Web. 16 Sept. 2015.

to study more about the routing optimization of ride-sharing taxis, in which interests of both taxi drivers and passengers are taken into account.

- Skok, Walter, and Junthima Vikiniyadhanee. "International Management Of Taxi Cab Operations: A Case Study In Bangkok." Knowledge & Process Management 12.2 (2005): 140-149. Business Source Complete. Web. 16 Sept. 2015.

To study the Taxi Cab operations in the context of Bangkok.