

Regular Machine Learning Competition Track (Regular ML Track)

Context-aware multi-modal transportation recommendation has a goal of recommending a travel plan which considers various unimodal transportation modes, such as walking, cycling, driving, public transit, and how to connect among these modes under various contexts. The successful development of multi-modal transportation recommendations can have a number of advantages, including but not limited to reducing transport times, balancing traffic flows, reducing traffic congestion, and ultimately, promoting the development of intelligent transportation systems.

Despite the popularity and frequent usage of transportation recommendation on navigation Apps (e.g., Baidu Maps and Google Maps), existing transportation recommendation solutions only consider routes in one transportation mode. Intuitively, in the context-aware multi-modal transportation recommendation problem, the transport mode preferences vary over different users and spatiotemporal contexts. [More >](#)

Sponsor: Baidu Inc.

Total reward: \$45,000

Task 1 Winners

First Prize (\$10,000): Shiwen Cui, Changhua Meng, Can Yi, Weiqiang Wang, Xing Zhao, and Long Guo from ANT FINANCIAL SERVICES GROUP

Second Prize (\$5,000): Hengda Bao from Shanghai Weimob Enterprise Development Co.Ltd., Jie Zhang from Trend Micro, Wenchao Xu from Didi Chuxing-Map Department, Qiang Wang from Beijing University of Posts and Telecommunications, Jiayuan Xie from South China University of Technology, He Wang from JD.COM, and Ceyuan Liang from JD.COM

Third Prize (\$3,000): Hua Zhixiang and Sangyu from JIANGLI

Honorable Prizes (\$1,000):

- **4th Place:** Yang Liu from Southeast University, Fanyou Wu from Purdue University, Shan Zhang from Hebei University of Technology
- **5th Place:** Jianfei Huang, Peng Yan, Huan Chen, Xiaowei Shi, and Zhen Chen from Meituandianping
- **6th Place:** Zhipeng Luo, He Yan, and Chen Chen from DeepBlue Technology (Shanghai) Co., Ltd and Haibin Zhang
- **7th Place:** Jiangwei Luo, Shiji Qiao from SF-Technology, Xu Cheng from China Mobile, Zhimin Lin from Chongqing University of Posts and Telecommunications, Ruifeng Qian from Jiangnan University
- **8th Place:** Runxing Zhong from 4Paradigm Co. Ltd, Ziwen Ye from Beijing Forestry University, Yuanfei Luo from 4Paradigm Co. Ltd, and Mengjiao Bao from Beihang University
- **9th Place:** Zhangming Niu from Mind Rank AI & Aladdin Healthcare Technologies, Lao Li from Cisco Systems, Inc., Jiangshui Hong from Simula Research Laboratory,

Norway, Binli Luo from Mind Rank Limited, Yinghui Jiang from Mind Rank AI & Hangzhou Ocean's Smart Boya Technology Co., Ltd, Ying Song from Sun Yat-sen University, An Xu from Tencent Computer System Co. Ltd., Qiang Li from Alibaba Group Holding Limited, Zhifeng Gao from Peking University, Wei Cao from Tsinghua University

- **10th Place:** Xin Chen from Netease Game, Changsheng Zhong from Guangzhou can-dao Technology Co., Ltd., Wenbin You from Guangzhou can-dao Technology Co., Ltd., Zhongjian Lv from Microsoft, Zhao Yin from Inspur Group

Task 2 Winners

First Prize (\$5,000): Keiichi Ochiai, Tsukasa Demizu, Shin Ishiguro, Shohei Maruyama, and Akihiro Kawana from NTT DOCOMO, INC. “*Simulating the Effects of Eco-Friendly Transportation Selections for Air Pollution Reduction*”

Second Prize (\$3,000): Yang Liu, Cheng Lyu, and Zhiyuan Liu from School of Transportation, Southeast University “*Interdisciplinary Knowledge and Experience Fusion In Multi-Modal Transportation Recommendation System*”

Third Prize (\$2,000): Xin Wei, Nanlin Liu, Yuan Chen, Xiaopei Liu, Tao Wang, Shijun Mu, Hongke Zhao, and Xi Zhang from College of Management and Economics, Tianjin University and College of Civil and Environmental Engineering, University of Alberta “*How to Build ‘Age-friendly’ Cities: Based on Big Data from Baidu Map*”

PaddlePaddle Special Award (\$4,000): Xianfeng Liang, Likang Wu, Joya Chen, Yang Liu, Runlong Yu, Min Hou, Han Wu, Yuyang Ye, Qi Liu, and Enhong Chen, from the University of Science and Technology of China “*Long-term Joint Scheduling for Urban Traffic*”