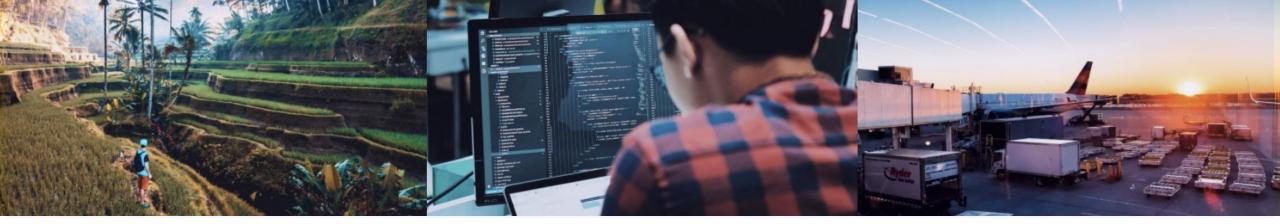
expedia group[®] RecTour Research Dataset

Adam Woznica Jan Krasnodebski September 26 2021

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expedia group^{**}

THE POWER OF OUR PLATFORM

REACHING THE WORLD THROUGH GLOBAL DISTRIBUTION

> 20+ Globally relevant brands

> > 200+ Travel sites

70+ Countries INDUSTRY-LEADING TECHNOLOGY

> 600B+ Al predictions

20M+ Virtual conversations

> **70T+** Data

BROADEST OFFERING IN THE TRAVEL INDUSTRY

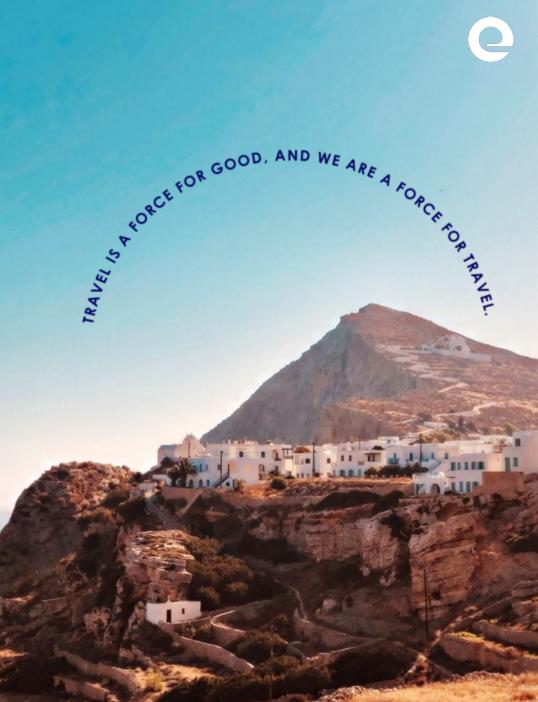
> 2.9M+ Properties

210K+ Unique activities

500+

Airlines, dozens of cruise lines and thousands of car rentals





The Research Dataset is a culmination of requests from multiple competitions and challenges

kaggle

 Featured Prediction Competition Personalize Expedia Hotel Searches - ICDM 2013 Learning to rank hotels to maximize purchases 336 teams · 8 years ago 	201
Featured Prediction Competition Expedia Hotel Recommendations \$25,000 Which hotel type will an Expedia customer book? Prize Money 1,971 teams · 5 years ago \$25,000	201

2020, 2021

2017



EXPEDIA GROUP × ENTER21 **Data Science Competition** Socially Responsible and Inclusive Tourism – Call for Participation

3

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ENTER 20

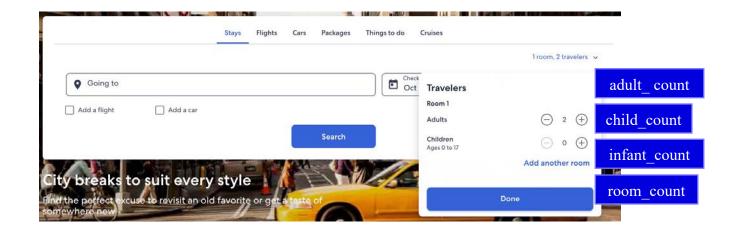
@ Surrey

The Dataset provides the clicks and bookings for millions of lodging searches

Property Search Data

adult count child count point of sale Expedia English List your pr infant count Stays Flights Cars Packages Things to do More travel ~ room count Going to Amsterdam (and vicinity), North Holland, Check-out Sep 27 Check-in Travelers Sep 26 1 room, 2 travel.. Search destination id checkin date checkout date Sort by sort type 1 Recommended What we are paid impacts our sort order (i) Sheraton Amsterdam Airport Hotel and C price bucket Schiphol is travel ad View in a map We have 5 left at Stay safe at Schiphol. Parking on site 12 minutes train ride to Amsterdam city centre. Commitment to · \$203 \$183 Clean. Parking, grab & go breakfast & free WiFi available. per night \$210 total 4.4/5 Excellent (1,187 reviews) Search by property name includes taxes & fees review rating review count O o a Bost Wester lotel Krasnapolsky applied filters **Red Light District** Located on Dam Square 10% off Stay in a 5-star hotel building that dates back to 1855 w Filter by breakfast in the beautiful Winter Garden. Free Wi-Fi is av © \$202 \$182 1s drr Fully refundable Popular filters \$218 total 4.4/5 Excellent (1,338 reviews) Includes taxes & fees Free airport shuttle Steigenberger Airport Hotel Amsterdam Hotel Schiphol Parking included Perfect for a business or private trip Close to Schiphol airport, near the centre of Amsterdam, next Breakfast included to Amsterdam Forest. Free WIFI, Shuttle service and access to \$96 Soa per night Free WiFi \$111 total 4.3/5 Excellent (1,035 reviews) Includes taxes & fees

Occupancy Search Data



Search results are shown, properties can be clicked and booked



1.1/5 Very Good (989 reviews)

per night \$185 total Includes taxes & fees

5% off () \$102 \$97 per night \$120 total includes taxes & fees

Click

S Expedia

Cars Pachames Things to do More travel



Ambassade Hotel **** 4.7/5 Exceptional Guests rated thi Popular amenitie S Free Will Air condition T Breakfast and A 100 Explore the area Expedia e Hatta, Jar Book Secure booking - only takes 2 minutes! COVID-13 restrict Sign in to earn 307 Expedia Rewards points A Room t: 2 Adults, Non-amoking Contact name Mobile phone number USA+1 👻 So the property cart reach y Tacque last signs about this trip. I back-in: Sun, Sig 24 back-out: Mor, Sig 2 -cipH stay Bedding requests (optional) + Igental Requests Instituted + Price details Protect your hotel 1 room x 1 might A curt apply Lawn man Local tax ocal ta 4 masons you might need travel protection Y. You get itsiaped for invested reasons, and miss a re-Total Pay now 4. You need up to \$12,200 for covered reading Vew imparts details and decimates # Belect Yes or No to continue booking \$8.00 Earn 25,000 Experi Chies, You writing to real my \$157,15 too. * Things happened outside of my control which caused the hip-to be a inducing the inspect to me when we had to cancel the trip. * - Mr. Rode

\$153.39 \$13.80

\$7.03

\$10.74

\$184.96

\$0.00

The dataset can examine many questions

- Understanding the Traveler journey for selecting and purchasing a property
 - Who clicks more? When?
 - How do different traveler segments behave differently?
 - Day of the week, time of day booking-looking patterns
 - Multi-room search patterns, where a vacation rental property may be more interesting than a hotel
- Interesting data visualization
- Etc.

The dataset is provided under a Creative Commons Attribution-NonCommercial 4.0 International License (CC BY-NC 4.0), with the additional terms in the accompanying file. The basic terms may be accessed at https://creativecommons.org/licenses/by-nc/4.0/. When you download or use the Expedia Dataset, you are agreeing to comply with the terms of a CC BY-NC 4.0 license, and the additional terms.

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