





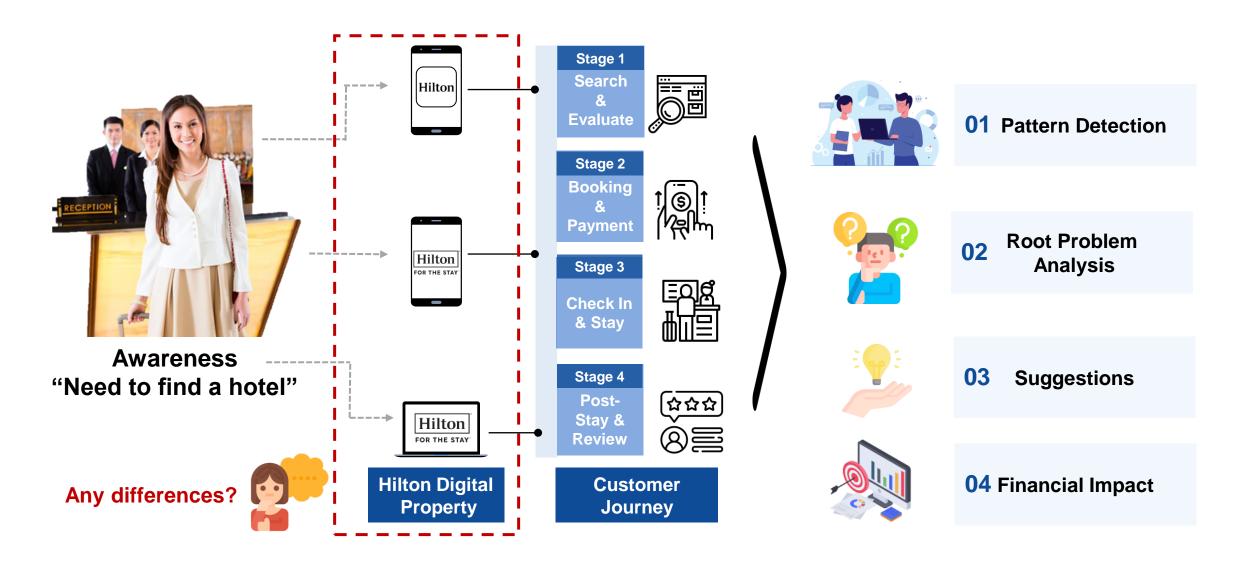


Analytics For Digital Hospitality

Team: Fuquarians From Duke University

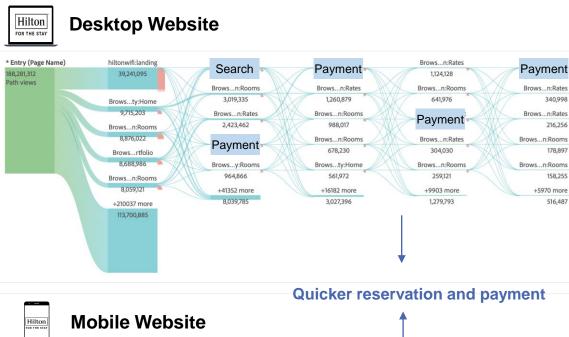
## Scratch beneath the surface of digital customer journey with Hilton





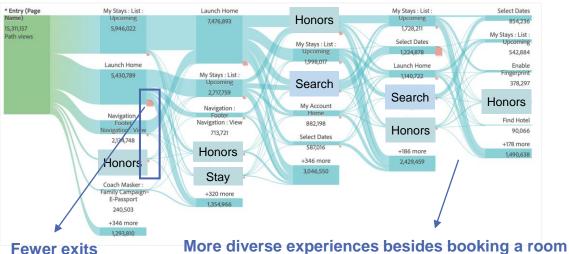
## Customer behaviors vary on different device types and Hilton digital properties

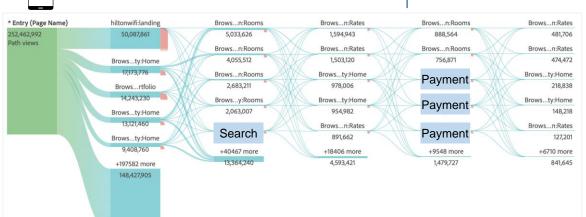






#### **Mobile App**



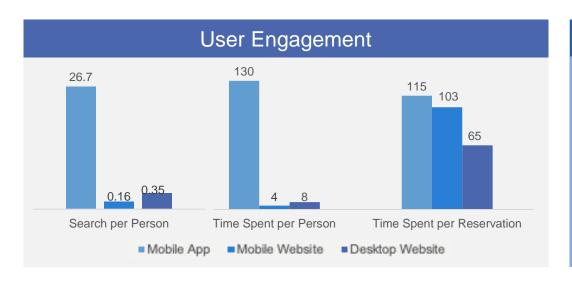


## Insights from comparison:

- Customers enjoy more diverse digital experiences on mobile app
- Digital reservation pattern is different by device:
   Reservation occur in earlier stages on website
- Mobile app have fewer exits at each stage of the flow

# Mobile app users are more active and have higher booking demands







Search & Evaluate



#### **High User Engagement**

- Higher average search times
- Longer time spent





#### **Low User Engagement**

- Lower average search times
- Quicker reservation



#### Stage 2

Booking & Payment



#### **High Booking Demand**

- Higher reservation frequency
- Higher average room nights booked



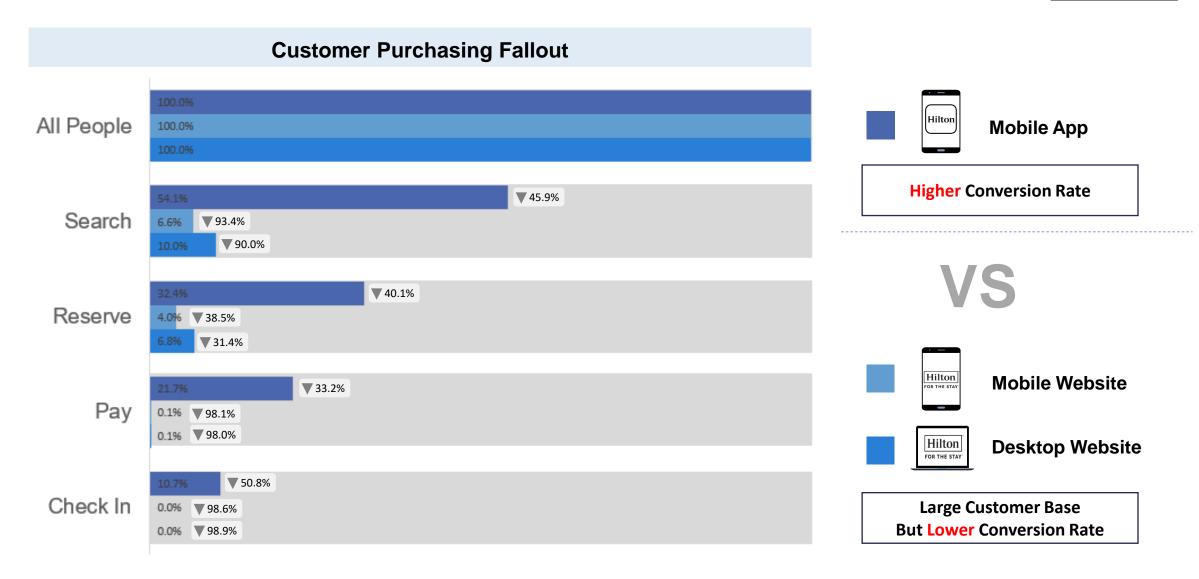


#### **Low Booking Demand**

- Most are one-time purchasers
- Lower average room nights booked

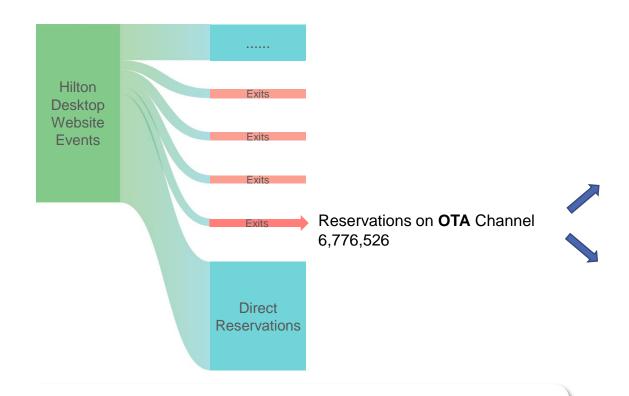
## Mobile app users have higher conversion rate than website users

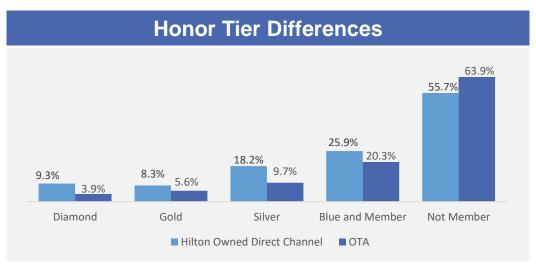




# Less loyal customers may exit Hilton website and switch to OTA channels

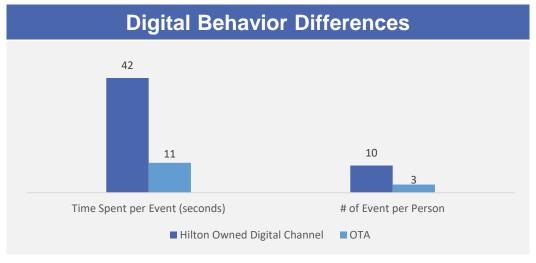






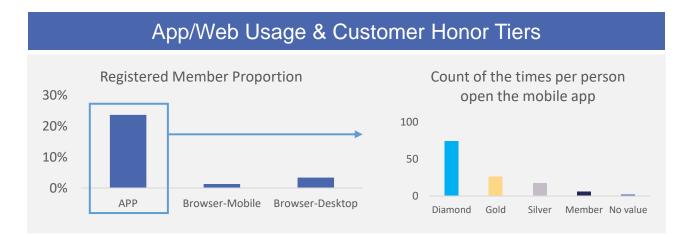
## Insights:

- Majority customers who use OTA are non-Hilton members
- OTA channel users are less active on digital platforms with shorter browsing time and fewer visits



# Guest type drives digital activity differences across devices and experiences





## Insights:

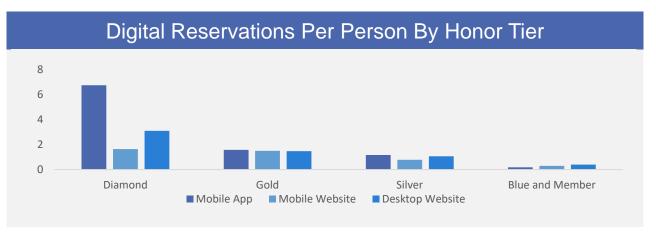
- Majority app users are registered Hilton members
- Diamond-tier members are the most willing to use app with highest number of times launching the app

**Customer loyalty** 

Device

**Activity Differences** 

## Customer loyalty is the root cause, and experience is the key solution!



#### Insights:

- Diamon-tier members make the most reservations per person on app
- Compared to Hilton's website users, app users are more loyal across Diamond, Gold and Silver tiers

# **Evolve customer loyalty in Hilton digital journey**



# **Objective**

## **Solution**

#### **Increase User Traffic**

- More visits to Hilton app & web
- Reduce switching to OTA

## **Boost Direct Booking**

- Increase conversion & lower attrition along the digital journey
- Encourage repeat booking

## Raise Value Per Booking

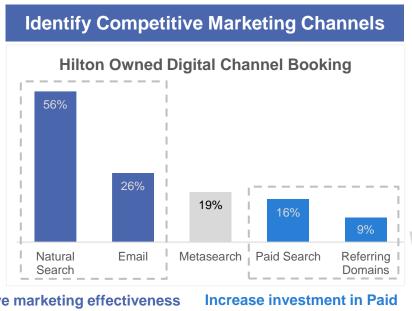
 Increase number of rooms and nights booked



- Strengthen Marketing Channels
- 2 Craft Personalized
  Destination
  Recommendation
- Provide Benefit-Added Travel Packages

# 1 Utilize effective marketing channels to attract more visits



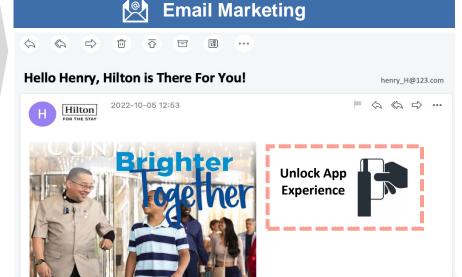


Improve marketing effectiveness on Natural Search and Email Search and Referring Domains



# https://www.hilton.com > ... : Hotels by Hilton - Book the Best Rates Across All Brands Explore Hilton's portfolio of hotels and distinct brands across the globe. ... Hotel residences offer a perfect balance between home-style comforts and ... Visit Hilton Hotels & Resorts Make hotel reservations for your next vacation or business trip ... Explore Hilton Here! & Holistic Enjoy exclusive benefits of Hilton: Enjoy Your Unique Personalized Journey with Hilton

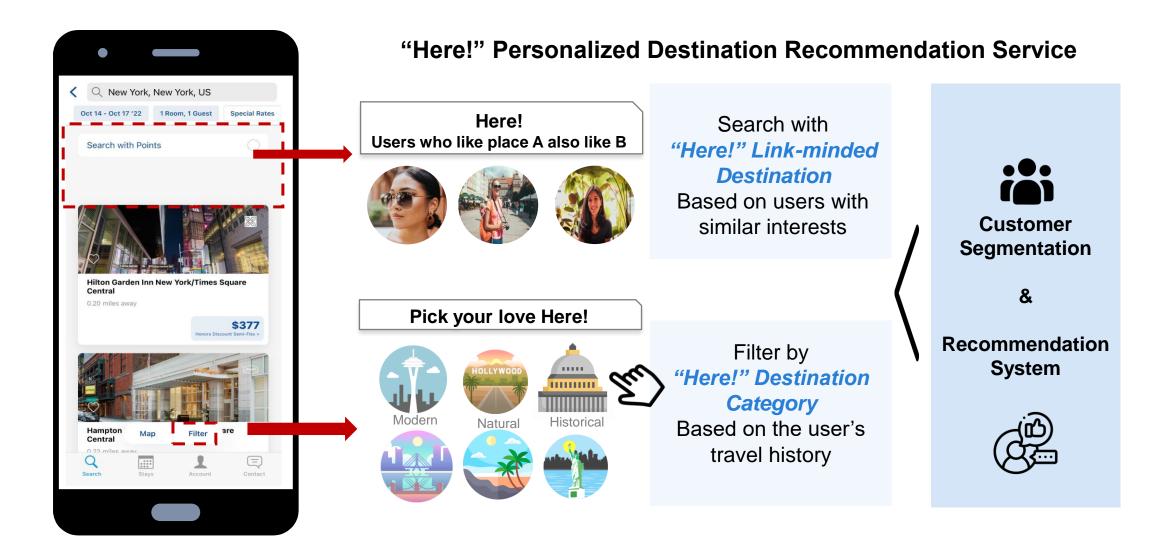
- I Improve natural search ranking
  - Choose keywords and page content design that attract the most clicks
- Highlight exclusive benefits of Hilton



- Accurate and personalized targeting
- Mobile and userfriendly UI design
- Optimize landing page

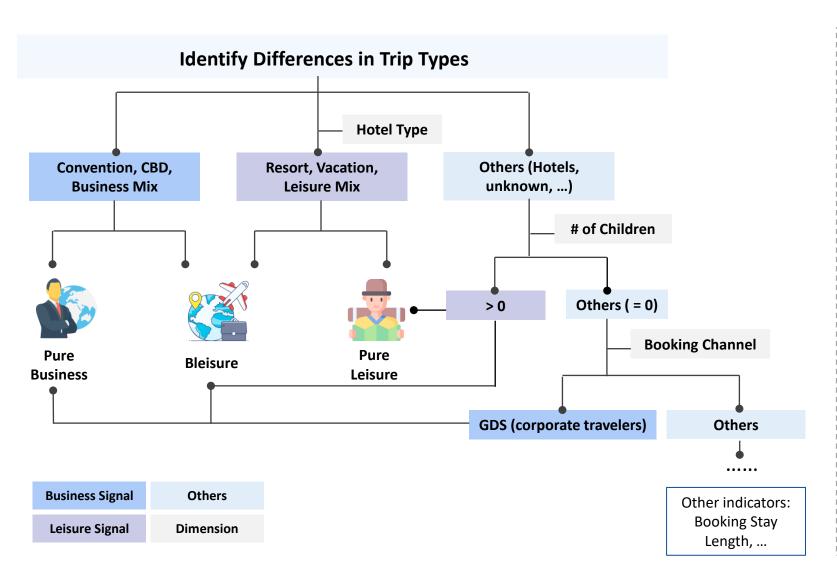
# Craft personalized destination recommendation to improve digital engagement Hilton

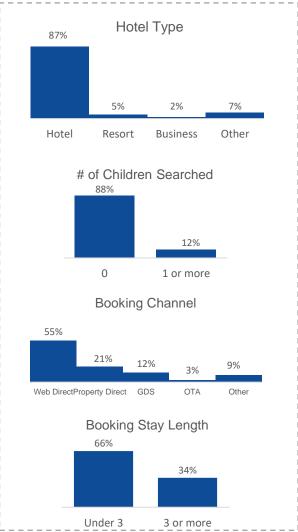




# 2 Leverage key signals to identify guest type and understand their features

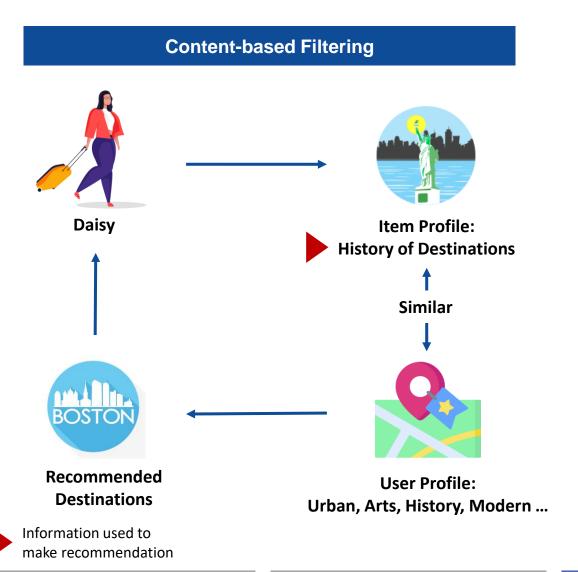


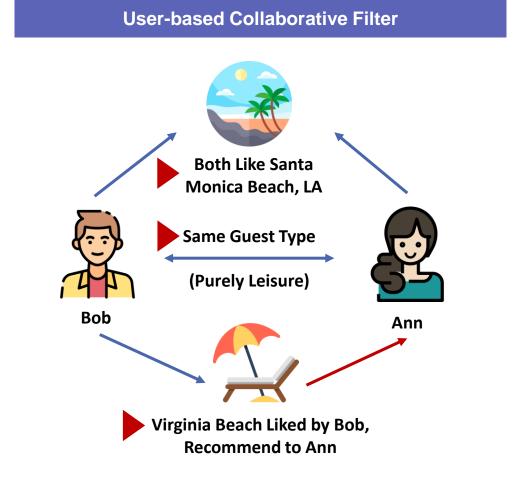




# 2 Build techniques that support premium recommendation experience

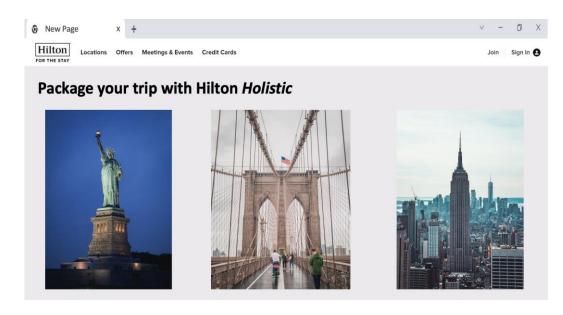






# 3 Offer travel packages to add service-led benefits and boost value per booking





**Product-Oriented** 



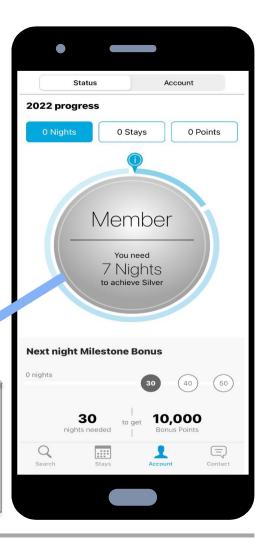
**Customer-Oriented** 

- **☐** Hilton Hotel Reservation
- □ Travel Route Planning
- ☐ Supporting Services: Transportation, Catering, Entertainment, ...
- ☐ Personalized, customized, targeted

## Examples:

- 3 nights in Miami
  - 2-4 Children
  - 2-4 Adults
- 2 nights in Orlando
  - 2-4 Children
  - 2-4 Adults
- Family Travel Planning
- 4 Hilton Travel Services

"By purchasing 1 Holistic package, you can be upgraded to Silver member and earn benefits like ..."



# From Suggestions to Financial Impact



Digital Revenue = # of Digital Bookings x **Digital Room Nights per Booking** x Average Daily Rate

# of Visits x Booking Rate

1 Increase in # of Visits

**1.8**% Increase in # of Visitors



\$**78.9** million Increase in Revenue

2 Increase in Booking Rate

1.0%
Increase in Booking rate



\$43.8 million Increase in Revenue

- 3 Increase in Digital Room Nights

**0.5**% Increase in Digital Room Nights



\$22.0 million Increase in Revenue







We are Fuquarians.

We are glad to help Hilton
shape a better digital hospitality
using Adobe Analytics!

# **Appendix: From Suggestions to Financial Impact**



Digital Revenue = # of Digital Bookings x **Digital Room Nights per Booking** x Average Daily Rate

# of Visits x Booking Rate

1 Increase in # of Visits

**1.8**% Increase in # of Visitors

**\$78.9** million

= 14,236 million x 1.8% x 0.14% x 2.2 x \$100

2 Increase in Booking Rate

**1.0**% Increase in Booking rate



**\$43.8** million

= 14,236 million x 0.14% x 1% x 2.2 x \$100

- 3 Increase in Digital Room Nights

**0.5**% Increase in Digital Room Nights



**\$22.0** million

= 14,236 million x 0.14% x 2.2 x 0.5% x \$100

<sup>\*</sup> Average conversion rate = cancel rate\* total digital reservation / total events

<sup>\*</sup> Average digital room nights per reservation = total digital room nights / total digital reservation

<sup>\*</sup> Assume average daily rate ~ \$100