

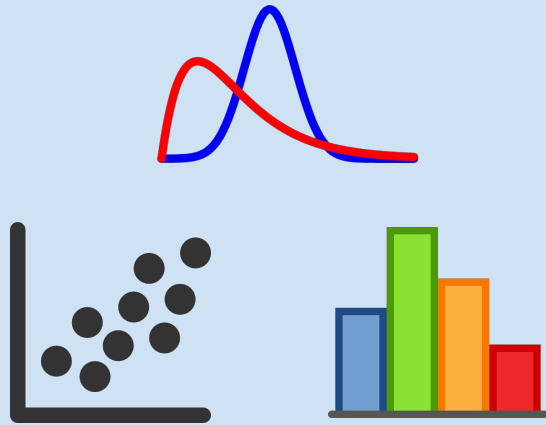


# Outbound

Insights for All  
Ben Regner

Problem: Provide actionable insights in a format appropriate for non-specialists.

Problem: Provide actionable insights in a format appropriate for non-specialists.



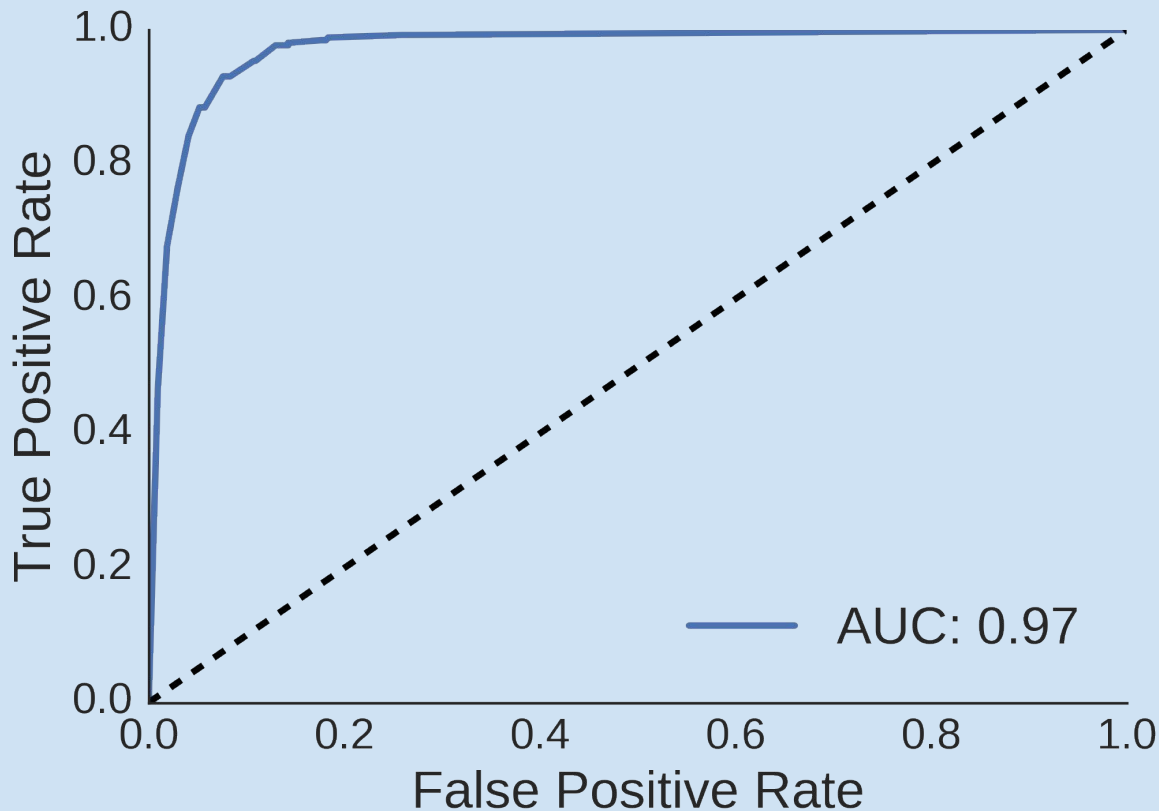
Users are **5x** more likely to do **Action A** if they have also done **Action B**.

As an illustrative example, let's look at a fictionalized version of one of Outbound's many clients:

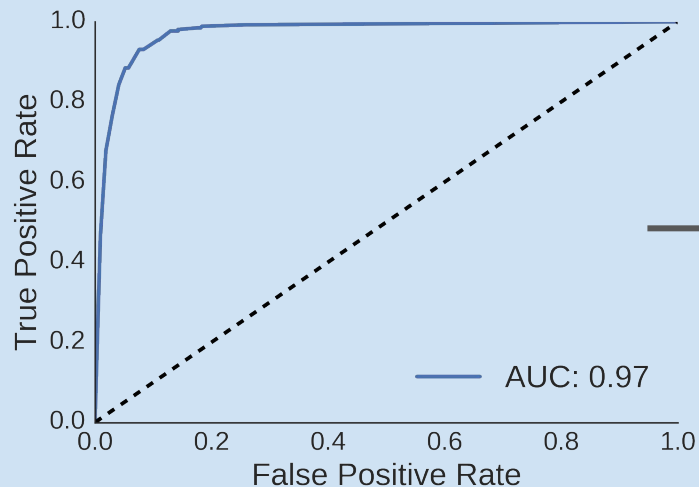
As an illustrative example, let's look at a fictionalized version of one of Outbound's many clients:

Ben's Bread

Will a user of *Ben's Bread* perform **Buy Bread**?

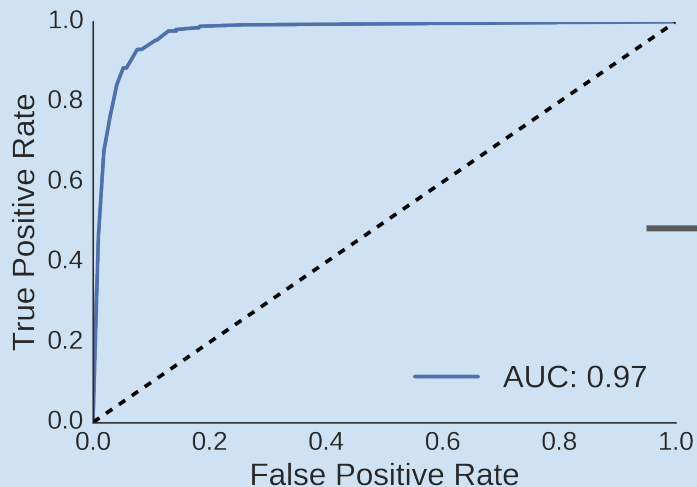


Will a user of *Ben's Bread* perform **Buy Bread**?



“A statistical tool called a *random forest classifier* is able to discriminate customers who will **Buy Bread** from users who will **not** with **92.6%** accuracy.”

Will a user of *Ben's Bread* perform **Buy Bread**?



→ “The events that are the most important to discriminate users are:

**Add Loaf, Remove Loaf,**  
**View Daily Bread, Doughy Details**  
and **Filter Ingredients.**”



Will a user of *Ben's Bread* perform **Buy Bread**?

Users who...

**Buy Bread** have always done **View Daily Bread**.

Will a user of *Ben's Bread* perform **Buy Bread**?

Users who...

**Buy Bread** have always done **View Daily Bread**.

**Doughy Details** are... **7.5x** *more* likely to **Buy Bread**.

Will a user of *Ben's Bread* perform **Buy Bread**?

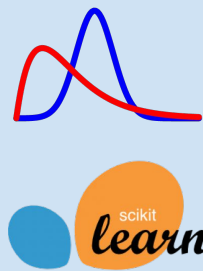
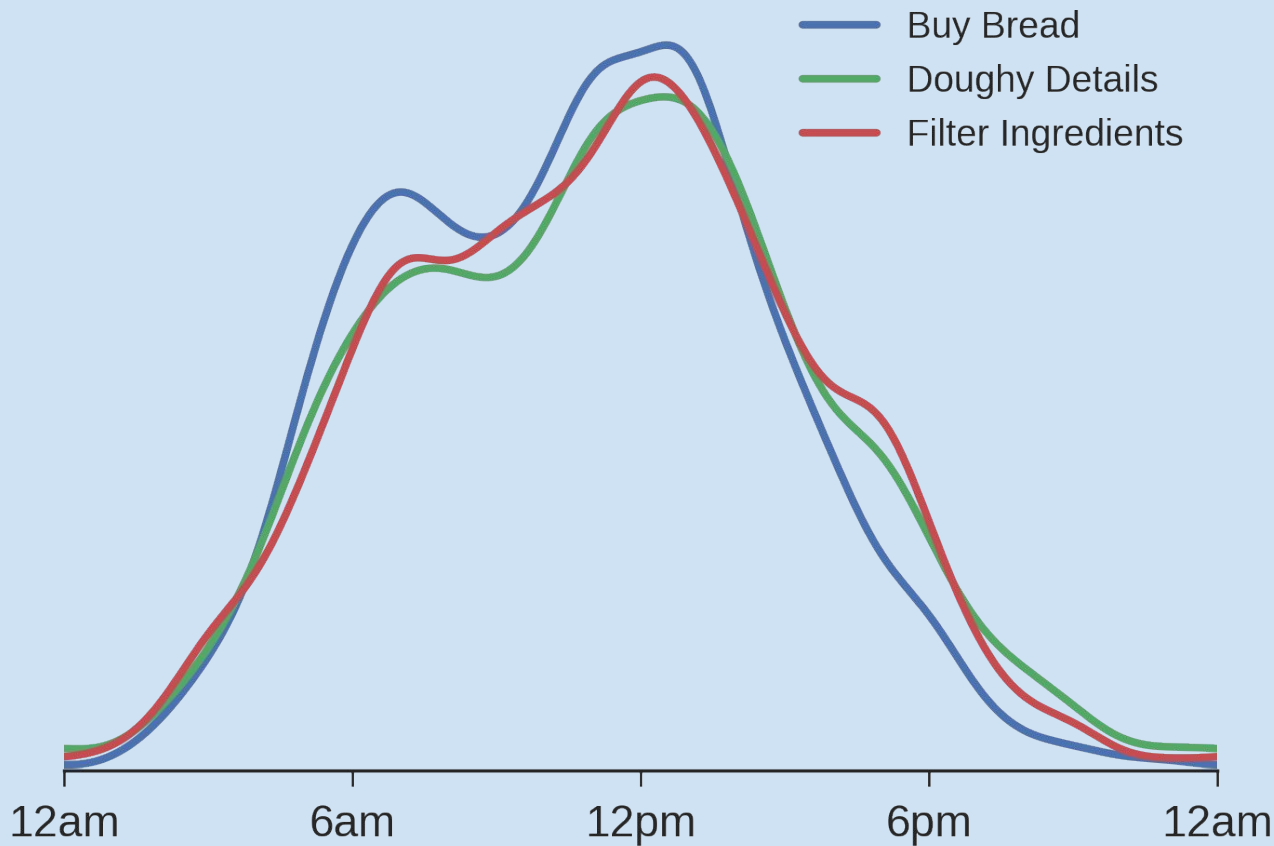
Users who...

**Buy Bread** have always done **View Daily Bread**.

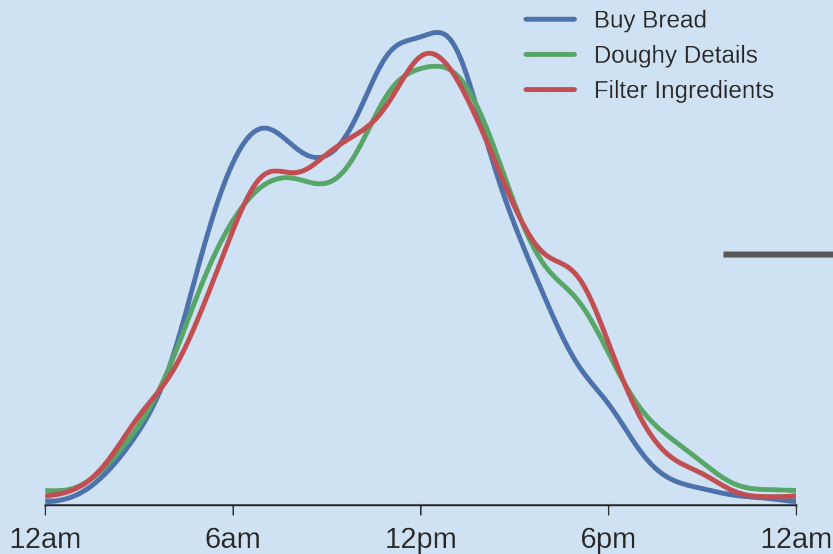
**Doughy Details** are... **7.5x** *more* likely to **Buy Bread**.

**Filter Ingredients** are... **1.3x** *less* likely to **Buy Bread**.

# When do customers of *Ben's Bread* use the app?



# When do customers of *Ben's Bread* use the app?



Users are mostly likely to...

**Buy Bread at...**

**7am and 1pm**

**Doughy Details at...**

**8am and 1pm**

**Filter Loaves at...**

**7am and 12pm**



**SALK INSTITUTE**  
FOR BIOLOGICAL STUDIES

**UC San Diego**

Ben Regner

