# How to run a funnel analysis in R (with a little help from RSQLite)

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### **Agenda**

- 1. What's funnel analysis?
- 2. An example of conversion flow
- 3. RStudio tutorial Hands-on
- 4. Report your insights!

### What's funnel analysis?



Track their behaviours on an app/website, or through a process of any kind

It allows you to **follow your users** throughout a series of **defined events**, and to calculate the given event-to-event **conversion rates** 

What's the % of those who went to Zalando who complete each step and end up buying a pair of shoes?

Steps users need to take to meet the final goal (e.g., buy a pair of shoes from Zalando, or participate in a multi-day online experiment)



If only users behaved like a liquid!



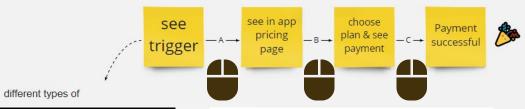
It helps identify
barriers that cause
users to leave
before reaching a
conversion point

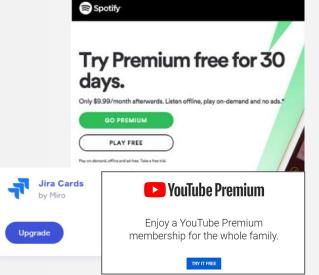
After that, you will need to understand the why: not clear, not interested, too many steps, too expensive...

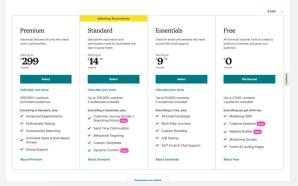
An example of conversion flow

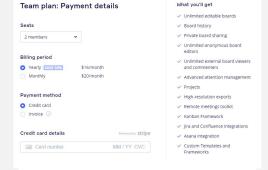
### Freemium to Premium

### **Upgrade Flow Steps**





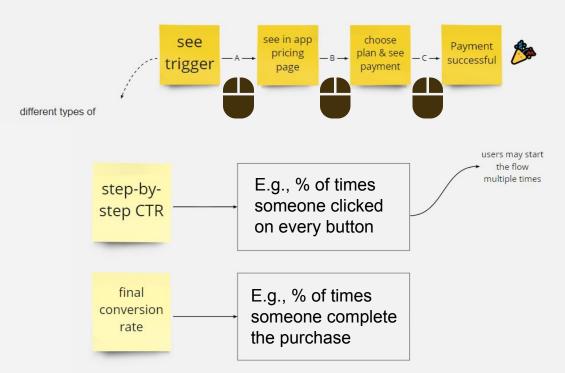






### **Freemium to Premium**

### **Upgrade Flow Steps**



## Our mission

As a data/product analyst 🕵



Our company aims to convert more users from free to premium plans by having some fancy features available only if you pay.

- Prep the data using **SQL**
- 2. Analyze it with **FA**
- Suggest 3 hypotheses and corresponding product changes to improve the flow

# Move to RStudio



#### **Freemium to Premium**

see in app pricing page

choose plan & see payment

payment successful

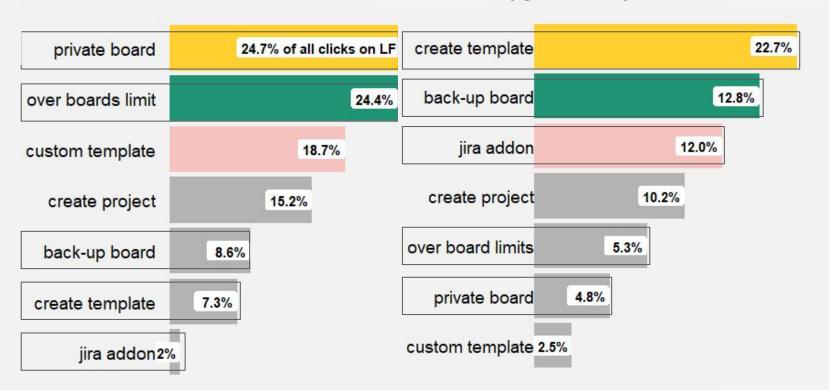
### What do we learn?

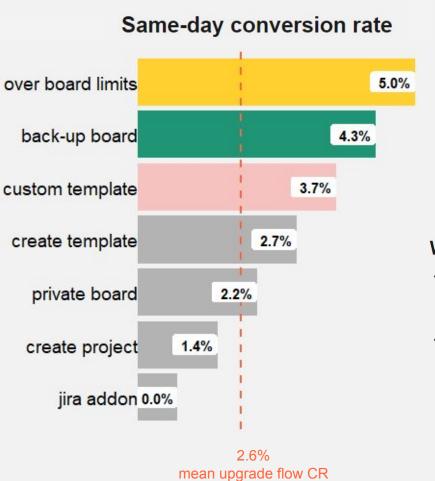
- About 80% of the times users who initiate the flow leave after seeing pricing options
- Only 15% of times users who selected a plan then finalize the subscription by filling in payment details

# Are there product features that bring more value than others from a user stand-point?

### % of total clicks on locked features

### **Upgrade CTR per feature**

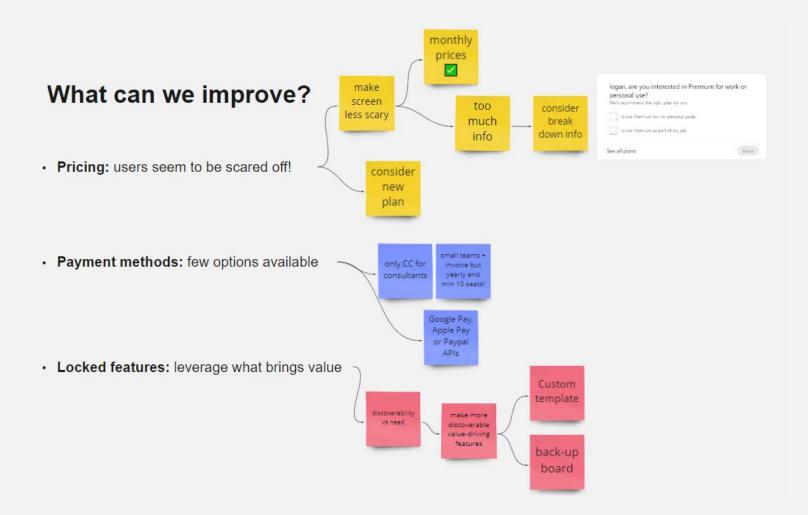






### What do we learn?

- · Having more than 3 boards:
  - · highly discoverable feature
  - · many times users see the pop-up and close it
  - · contributes to the highest CR
- · Back-up board:
  - · not highly discoverable
  - users initiate upgrade flow to a larger degree than other features when clicking on it
  - · contributes to the 2nd highest CRs



## Thank you for the opportunity!

