Impact of App Notifications on Company's Revenue

MGTA 458

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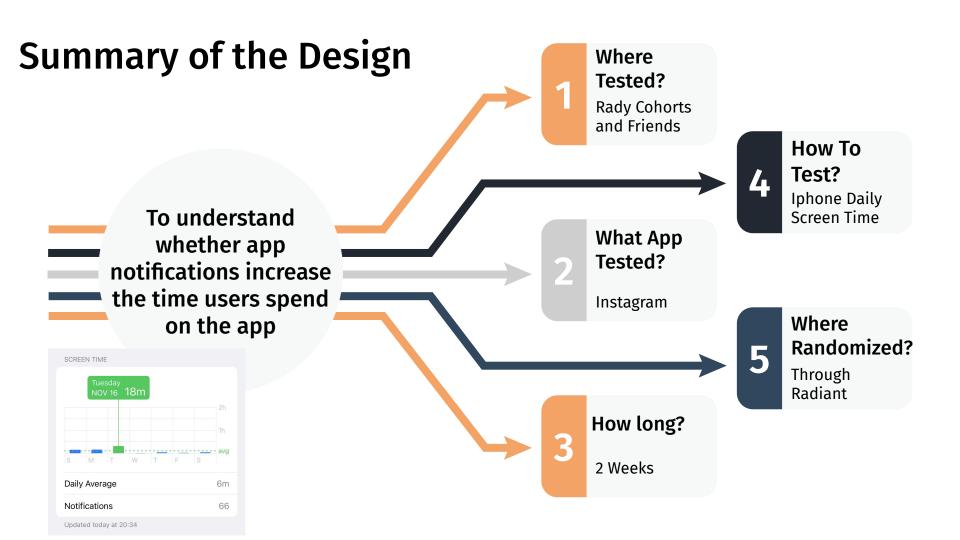
Treatment Description

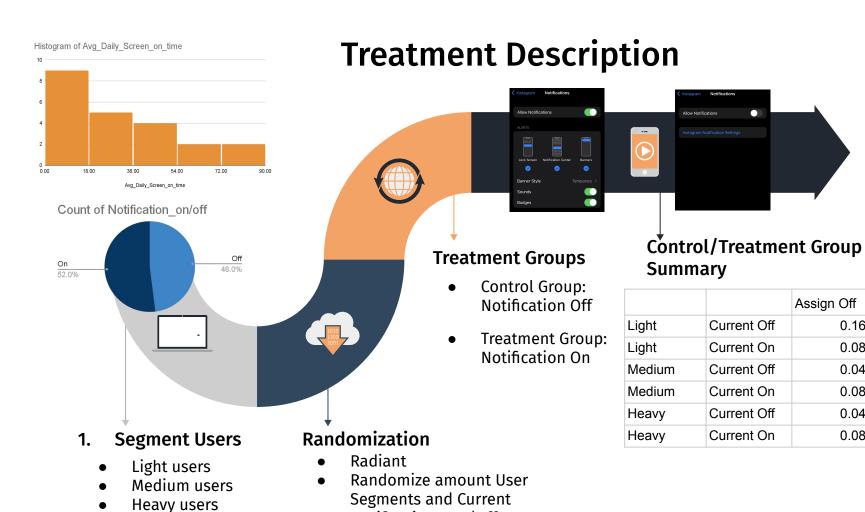
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Notifications On/Off

Assign On

0.16

0.12

0.04

0.12

0.04

0.04

0.16

0.08

0.04

0.08

0.04

0.08

Results





Time of Experiment

 14 days of data collection from 11/03/2021 (Wednesday) to 11/16/2021 (Tuesday)



Sample Size

| | Control Group: Turn Off Notification | Treatment Group: Turn on Notification |
|----------------------------|---|--|
| Original No Notification | 6 participants | 6 participants |
| Original With Notification | 6 participants | 7 participants |

Results

| | | Before Experiment Avg. | After Experiment Avg. | Before / After Difference | Difference in Difference |
|----------------------------------|-------------|------------------------------|-----------------------------|---------------------------------|--------------------------------|
| Control Group: Assign Off | Current Off | 24.33 | 25.29 | 0.96 | |
| | Current On | 39.33 | 30.63 | -8.70 | |
| | Total | 31.83 | 27.96 | -3.87 | |
| Treatment Group: Assign On | Current Off | 20.17 | 22.48 | 2.31 | 1.35 |
| | Current On | 27.00 | 25.65 | -1.35 | -7.36 |
| | Total | 23.85 | 23.89 | 0.04 | |



From the Experiment, Notifications
On/Off Impacts App Usage.



Turn Off Notifications

Decrease 7.36 Minutes App Usage on daily average



Turn On Notification

Increase 1.35 Minutes App Usage on daily average

Results

| | Light User | Medium / Heavy User |
|-----------------------------|------------|---------------------|
| Turn On | 5.50 | -4.07 |
| Continue On | 0.05 | -2.39 |
| Turn Off | -6.04 | -10.04 |
| Continue Off | 8.03 | -13.18 |
| Difference in Difference | -2.53 | 9.11 |
| Difference in Difference | -6.08 | -7.64 |

Light User

Turn off notification on average decreases 6.08 minutes daily usage



Medium / Heavy User



Turn on notification on average increase 9.11 minutes daily usage

Turn off notification on average decreases 7.64 minutes daily usage

Takeaways

