Final Brochure Texts and Image Introduction

Part1: Who is the main participants

1. Image 1 用户参与者
2. Image2 参与者数量

文字：226 participants used the App.

1. Image3 用户开始使用时间

文字：24 participants started to use the App in 2016. 202 participants started in 2017.

1. Image 4 primary participant 比例
2. Image 5 性别比例
3. Image 6 女性图标

文字：There are more female participants than male.

1. age.png

Generally, 30-34 occupies the largest number of all participants.

In conclusion, the main participants could be women and their age are 30-34.

Part2: The details of login

1. Image 15. 每个Personid的登陆长短分布图

文字：From the plot we can tell most participant log in duration is below 500 second (8 minute 20 second) and there are only very few people logged in over 2000 second (33 minute 20 second).

1. personid\_number.png

The plot shows the number of participant login to system. The highest number is 265, the average is around 24, and the smallest number is 1.

1. month\_id.png

Participants tend to login to system in autumn, top 3 months of login are October, August, and September respectively.

1. 2016id.png, 2017id.png

The project started from August 2016 to October 2017 (the latest update), and both 2016 or 2017 show the similar pattern which autumn takes largest number of login. People often login to system to read the information of household usage when weather becomes colder.

Part3: New features

1. Image 7 new features 图标
2. Image 8 用户收到每个feature占的比例
3. Image 9 日历图标
4. Image10 推送图标
5. Image 11 每个新功能推送时间和用户登录时间的关系（月）

文字：From the distplot, we can tell that most features has two peaks of release time in a year except HEATING INTERVENTION. WEEK VIEW and MINUTE VIEW have very similar trend which peaked on March and August. Although ENHANCED VIEW and COMPARE CHART also reached their second peak in August, the first peak of ENHANCED VIEW is in April and the that of COMPARE CHART is in May. HEATING INTERVENTION is a very special one, it is only released in March. All features are released between February and October. There is no function released on January, November and December. There are also two peaks of participant logging in time, one is in January which before the first peak of most new features released time; another one is in October which after the second peak of most new features released time.

1. Image 12 & 13每个新功能推送时间和用户登录时间的关系（星期几）

请学姐注明0=Mon 1=Tue 2=Wed 3=Thur 4=Fir 5=Sat 6=Sun

文字：The plots show that every features except HEATING INTERVENTION has two peak time of releasing on Monday and Friday. WEEK VIEW, MINUTE VIEW, COMPARE CHART and DAUL CHART were released the most on Monday while ENHANCED VIEW released the most on Friday. The WEEK VIEW was never released on Thursday and DAUL CHART never released on Wednesday. HEATING INTERVENTION is still special. It was released the most on Wednesday and never relased from Thursday to Sunday. Comparing to the plot of log in time, we found that the log in times of weekday are not related to the new feature released time because the distributions of each weekday for log in time are quite similar.

1. Image 14每个新功能推送时间和用户登录时间的关系（小时）

文字：The plot demonstrates that all features were released between 8:00 to 23:00. Every function except HEATING INTERVENTION has three release peak time a day. The first peak is around 9:00 to 11:00, the second is between 15:00 to 17:00, the third on is between 21:00 - 23:00.The HEATING INTERVENTION is still very special. It was released most between 13:00 to 15:00.All function was never released early than 8:00, between 19:00 - 21:00 and after 23:00. Which is interesting, there are also three peaks of log in time in a day and each peak of log in time is just after that of new feature released time.

如果学姐的排版是以图片为主，可把文字适当减少。