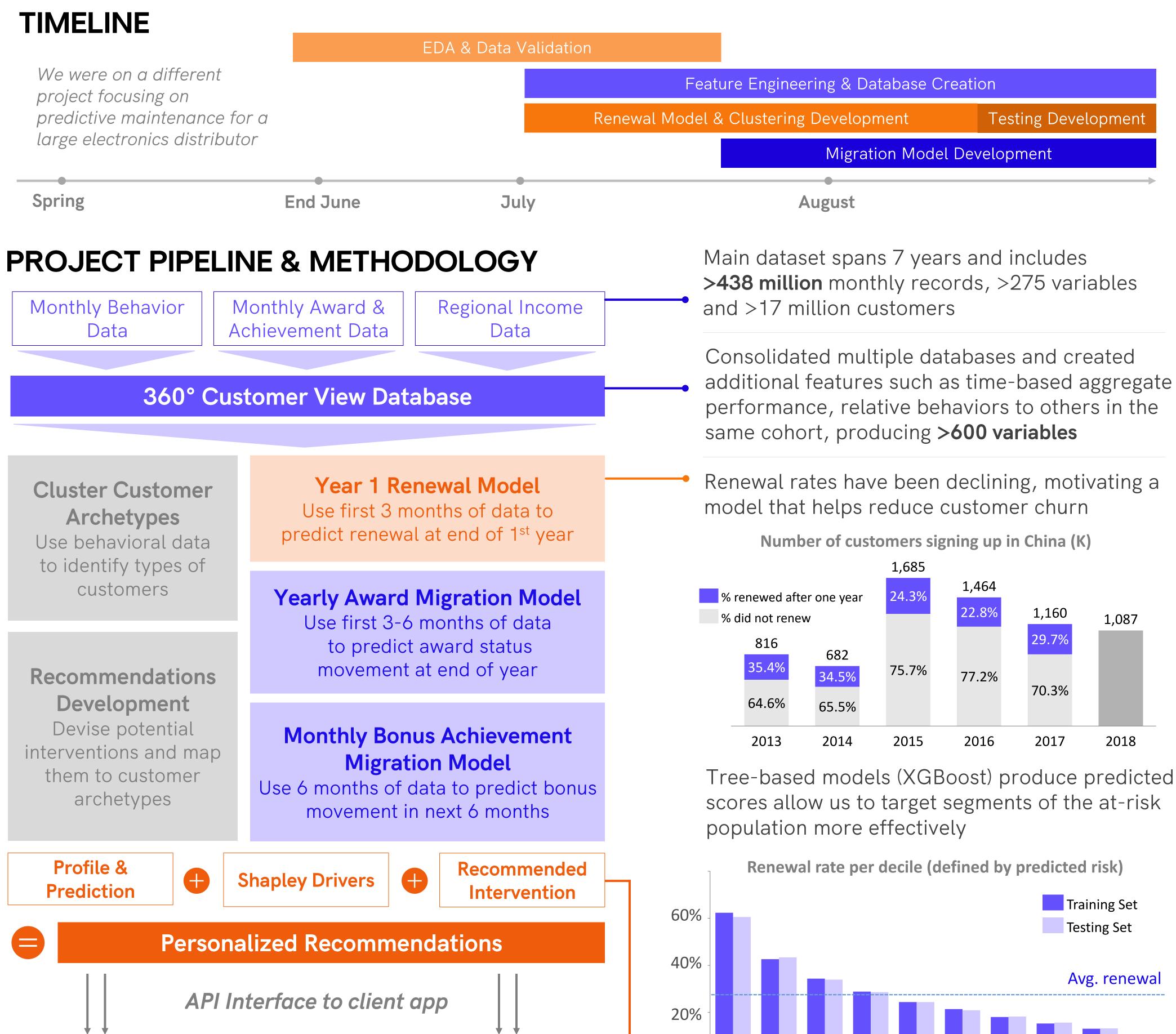
## Customer Retention Targeted Recommendations

## CLIENT & SCOPE

We spent our summer with BCG GAMMA as part of a larger analytics and consulting team for a direct seller based in China. The scope was to develop a suite of predictive and prescriptive tools to help reduce customer churn and promote customer advancement, delivering these insights straight to the customer's hand through their smartphone apps.



## **NEXT STEPS**

We rolled off the project while it was still in development. Some key next steps that have been planned include testing of recommendation effectiveness, analytics capability building and a management dashboard for the client to keep track of these trends, predictions and actions.

**Testing & Improvements** 

Compare impact of personalized recommendations to target

group vs random recommendations to control group





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Training Set **Testing Set** Avg. renewal

1,087

2018

Unlike traditional feature importance, Shapley values are generated for each prediction, allowing greater explainability to a client unfamiliar with analytics, and provides useful prescriptive tools.

