Identifying Good Agent Prospects

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Prospective models

To determine what Agents are good prospects for our Marketers we analyze relevant data to identify Agents that become Producers for AmeriLife. We do so by fitting two types of models to the data:

- Classification models trying to answer general questions that result in a Yes or No answer:
 - Will this Agent generate revenue for AmeriLife?
 - Will this Agent generate revenue for AmeriLife within six months of Contract?
 - Will this Agent generate a revenue stream for a period of, at least, two years from initial Contract?
- Regression models that try to answer general questions that result in a numeric answer:
- What's the time to first revenue for this Agent? How many months before this Agent generates revenue?
- What is the revenue generated by this Agent within the first year of Contract?
- What is the lifetime revenue that we can expect from this Agent?

Model Predictors

To be able to answer the types of questions posed above we will use the following collection of predictors:

- Discovery Agent Demographic Data
- Census Population and Household Data
- CSG Insurance Product Rates Data
- CRM Contract Data
- Pre-Processor Commission Data

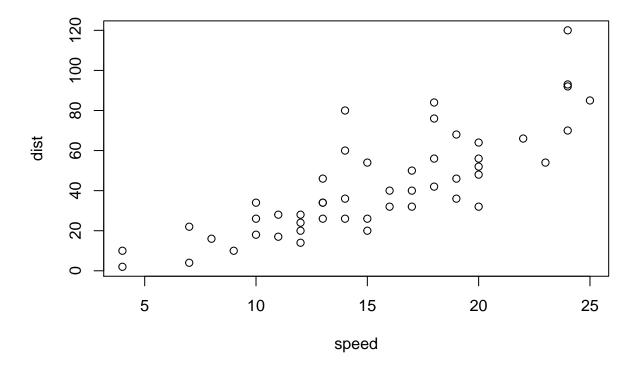
This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

summary(cars)

```
##
        speed
                        dist
##
           : 4.0
                          : 2.00
                   Min.
   1st Qu.:12.0
                   1st Qu.: 26.00
  Median:15.0
                   Median : 36.00
           :15.4
                          : 42.98
##
   Mean
                   Mean
##
   3rd Qu.:19.0
                   3rd Qu.: 56.00
   Max.
           :25.0
                   Max.
                        :120.00
```

You can also embed plots, for example:



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.