

# Simulated Options Trading

```
knitr::opts_chunk$set(echo = FALSE,
                      results = "hide")

library(tidyverse)

## -- Attaching packages ----- tidyverse 1.3.0 --
## v ggplot2 3.3.2    v purrr  0.3.4
## v tibble  3.0.4    v dplyr  1.0.2
## v tidyr   1.1.2    v stringr 1.4.0
## v readr   1.4.0    v forcats 0.5.0

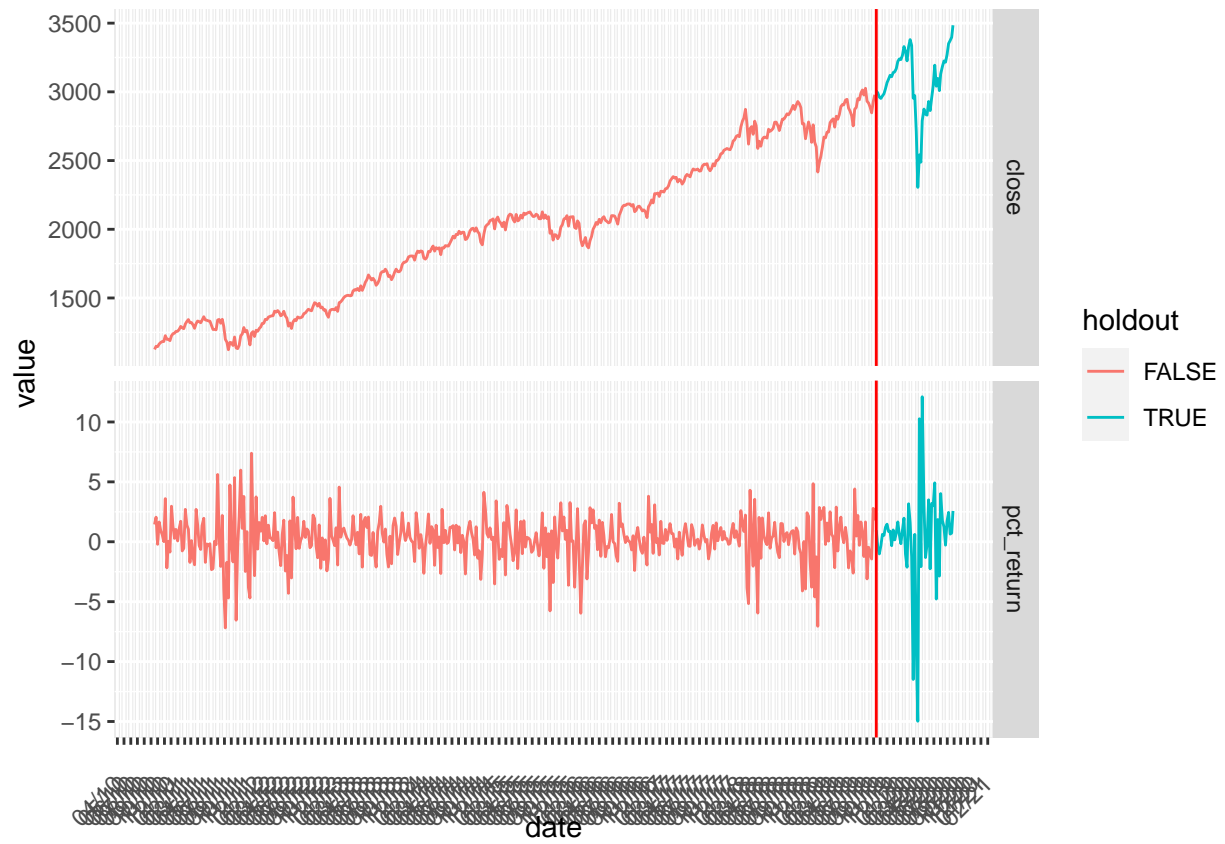
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()

library(lubridate)

##
## Attaching package: 'lubridate'
##
## The following objects are masked from 'package:base':
##
##   date, intersect, setdiff, union
```

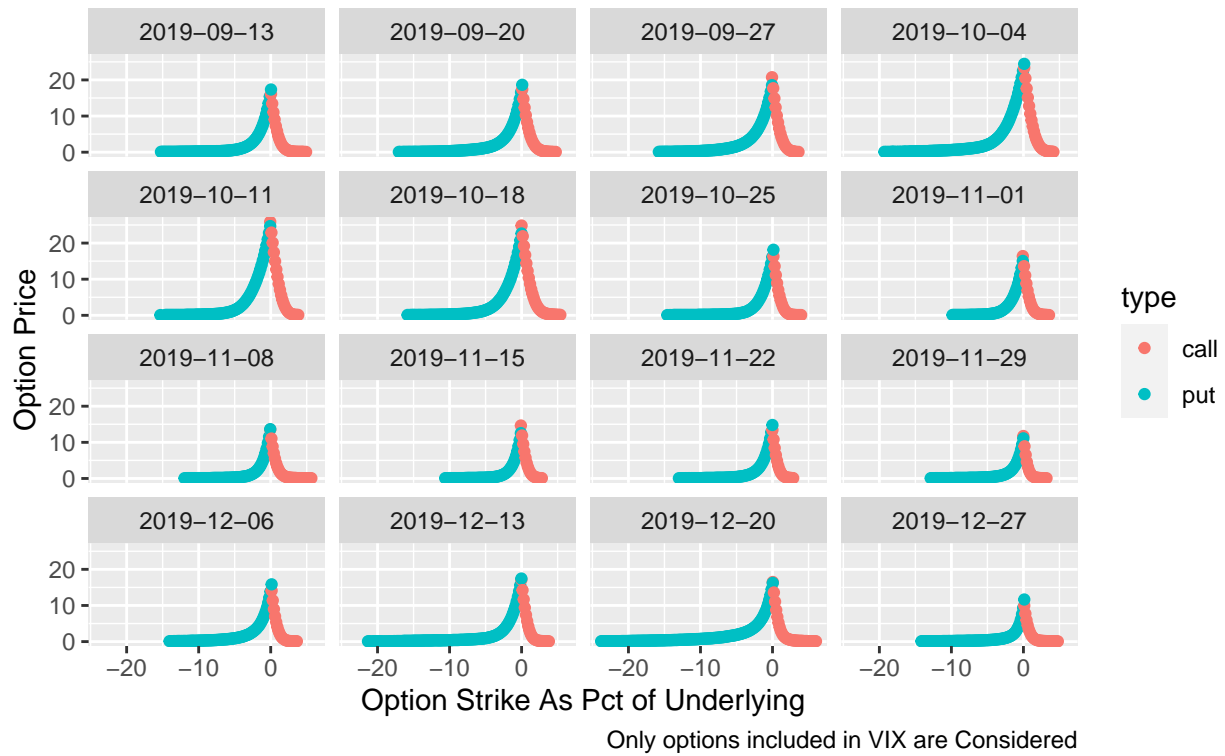
## Get Data

### SPX



## Options

### SPX Friday–Expiring Option Prices Quoted One Week Before Expiration



## Refit Model for Every Week

Prices for SPX Options Expiring 9/13/2019 Quoted One Week Before  
Normalized Histogram of Predicted Returns From SV Model Underlaid

