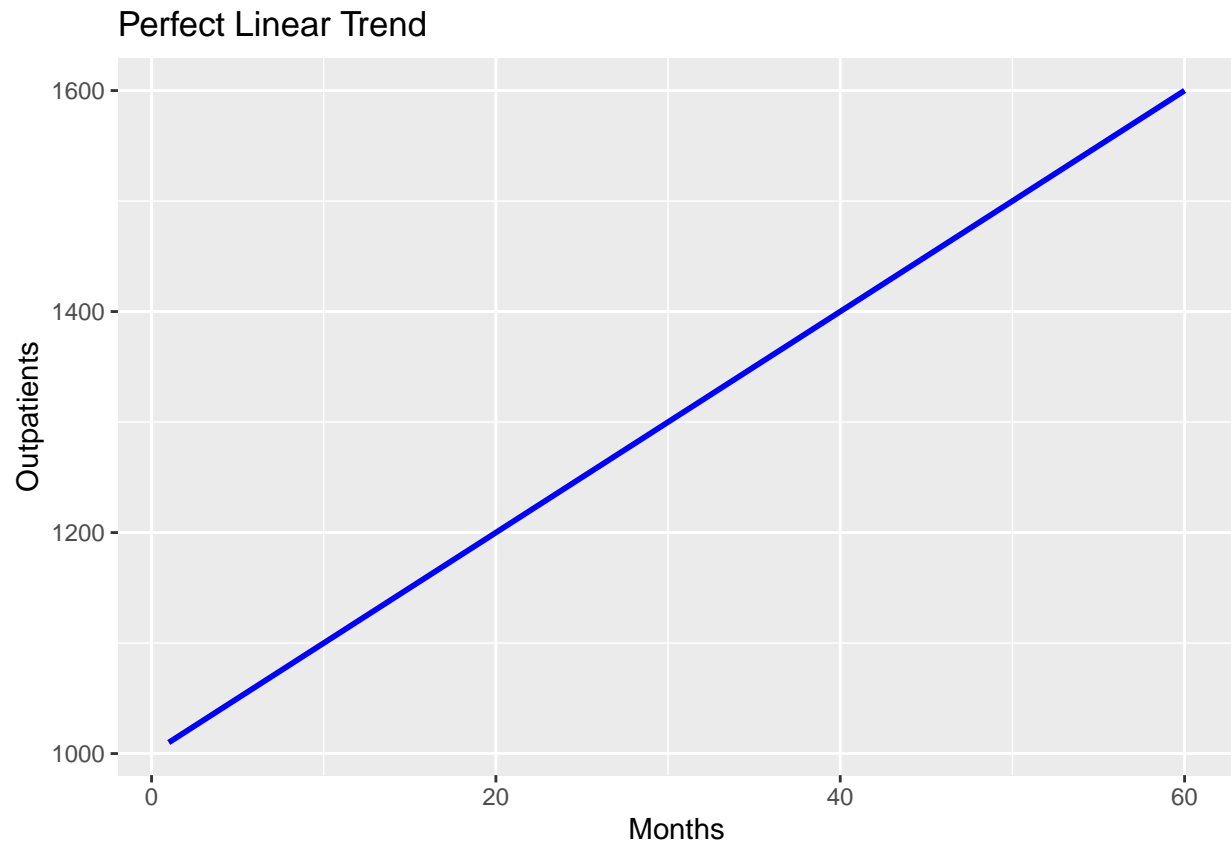


Linear Regression Visualization

Your Name

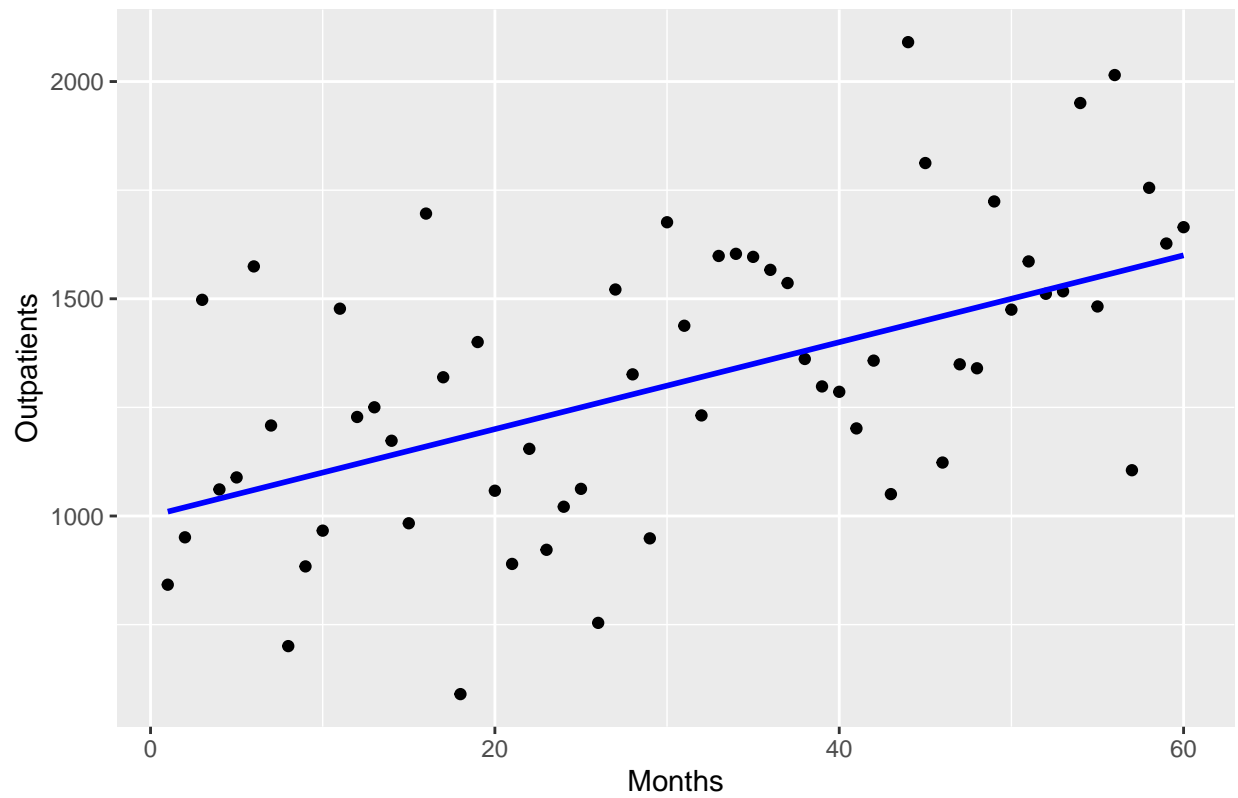
Perfect linear trend

```
## Warning: Using 'size' aesthetic for lines was deprecated in ggplot2 3.4.0.  
## i Please use 'linewidth' instead.  
## This warning is displayed once every 8 hours.  
## Call 'lifecycle::last_lifecycle_warnings()' to see where this warning was  
## generated.
```

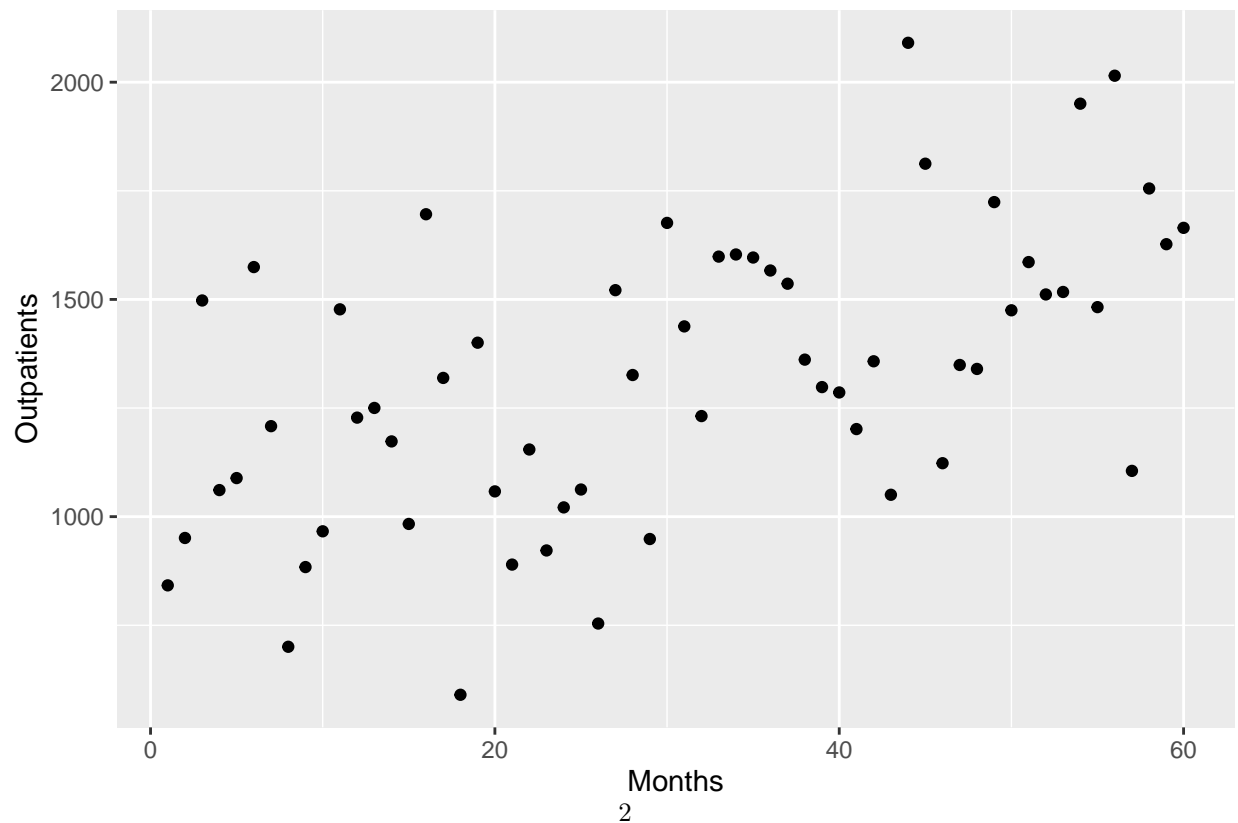


Observed data

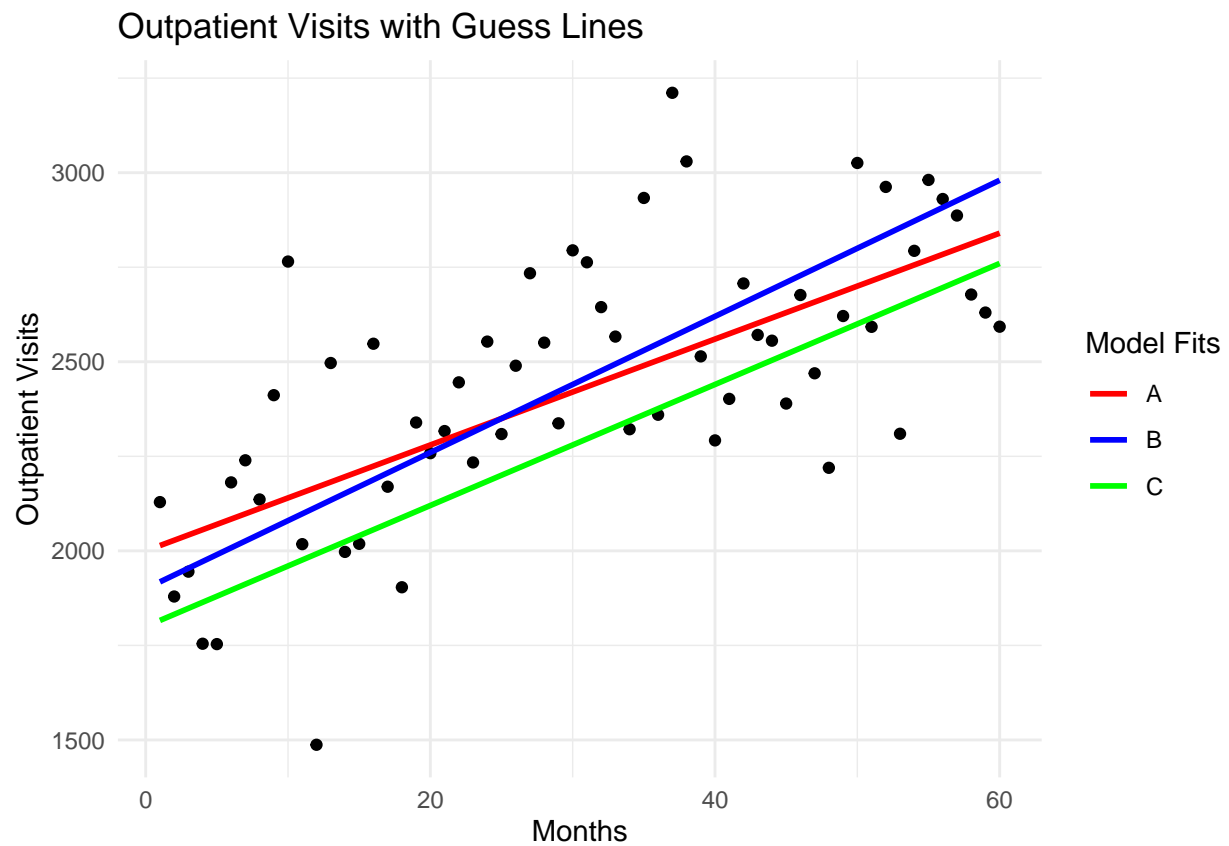
Noisy Points with the True Line



Linear Trend with Noise



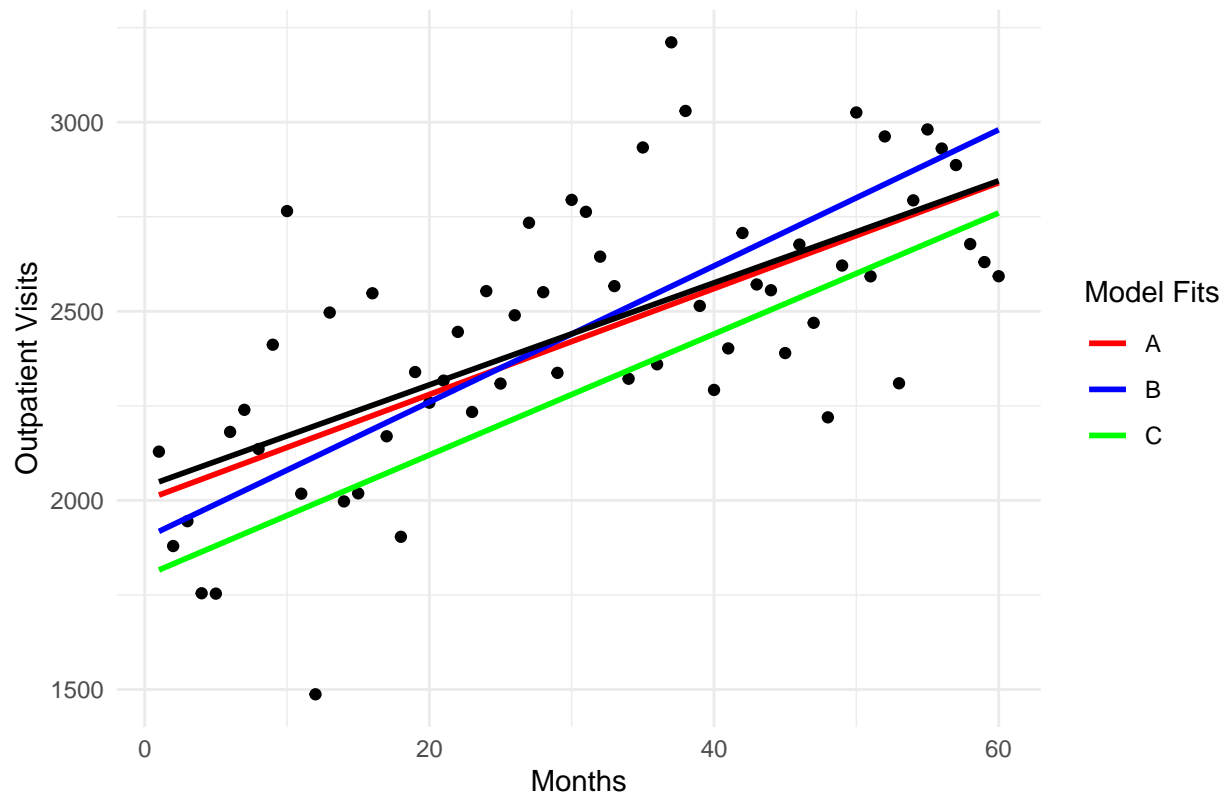
which line best fits?



The best fitting line

```
## 'geom_smooth()' using formula = 'y ~ x'
```

Outpatient Visits with Three Model Fits



Residuals

```
## 'geom_smooth()' using formula = 'y ~ x'
```

Outpatient Visits with Best Fit and Residuals

