R Code for Google Trends:

library(readxl)

library(forecast)

ToF\_GT <- read\_excel("C:/ ToF data.xlsx")

tsData <- ts(ToF\_GT$Interest [1:31], start = c(2017,4), frequency = 365)

auto.arima(tsData, trace=TRUE, approximation=TRUE)

fitARIMA <- Arima(tsData, order=c(0,0,0),seasonal = list(order = c(0,0,0), period = 365), method="CSS")

summary(fitARIMA) # Dont change this

forecastV <- forecast(fitARIMA,h=31, level = 95,)

checkresiduals(fitARIMA)

Forec<-as.vector(forecastV$mean)

ForecL<-as.vector(forecastV$lower)

ForecU<-as.vector(forecastV$upper)

Forecasted<-data.frame(Forec, ForecL, ForecU)

Forecasted

R Code for Tweets:

ToF\_Tweets <- read.csv("C:/ TOF Tweets.csv")

tsData <- ts(ToF\_Tweets$tetralogy.of.fallot [1:31], start = c(2017,4), frequency = 365)

auto.arima(tsData, trace=TRUE, approximation=TRUE)

fitARIMA <- Arima(tsData, order=c(0,0,1),seasonal = list(order = c(0,0,0), period = 365), method="CSS")

summary(fitARIMA)

forecastV <- forecast(fitARIMA,h=31, level = 95,) # Dont change this

checkresiduals(fitARIMA)

Forec<-as.vector(forecastV$mean)

ForecL<-as.vector(forecastV$lower)

ForecU<-as.vector(forecastV$upper)

Forecasted<-data.frame(Forec, ForecL, ForecU)

Forecasted