Forecast for Ralph Lauren

Analysis and forecast of the revenue based on the past 5 fiscal quarters

Years - Quaterly (X)	Revenue - Millions (Y)
12/31/23	$1,934
9/30/23	$1,633
6/30/23	$1,497
3/31/23	$1,541
12/31/22	$1,832
9/30/22	$1,580
6/30/22	$1,491
3/31/22	$1,523
12/31/21	$1,815
9/30/21	$1,504
6/30/21	$1,376
3/31/21	$1,287
12/31/20	$1,433
9/30/20	$1,194
6/30/20	$488
3/31/20	$1,274
12/31/19	$1,751
9/30/19	$1,706
6/30/19	$1,429
3/31/19	$1,506
12/31/18	$1,726

Forecasted Revenue (Linear)

$y = 0.151x - 5202$
$R^2 = 0.0805$
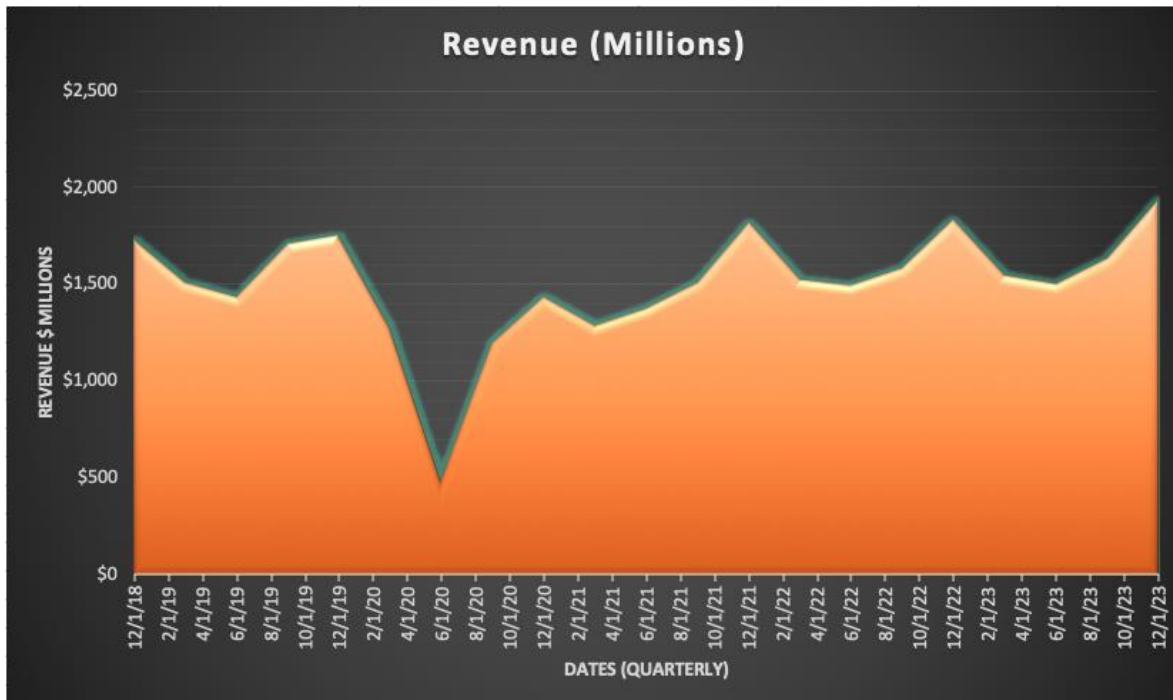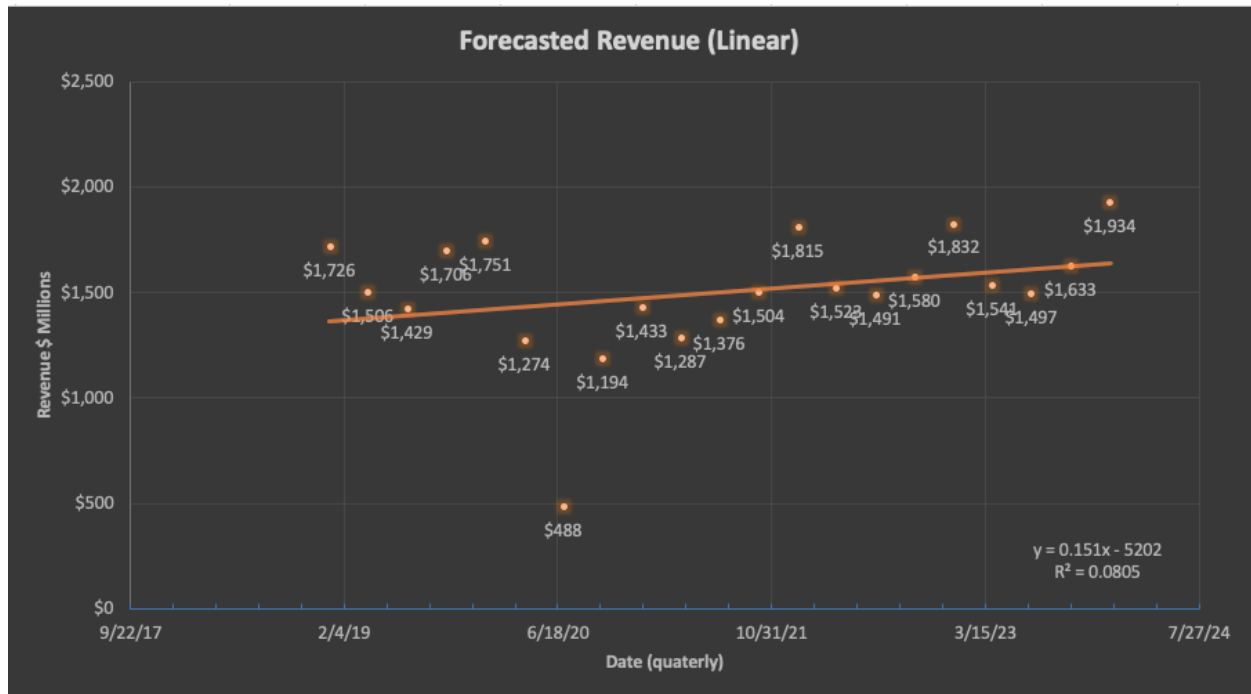
The chart above is a linear forecast model based on the quarterly revenue. The model is not as accurate as it should be. Both the equation and the R^2 are in the bottom right of the graph. You can see that the R^2 is at 8.1% which means it does not explain much variance based on the data.

Forecasted Revenue (quadratic)

$y = 3.7058x^2 - 67.751x + 1661.9$
$R^2 = 0.2496$
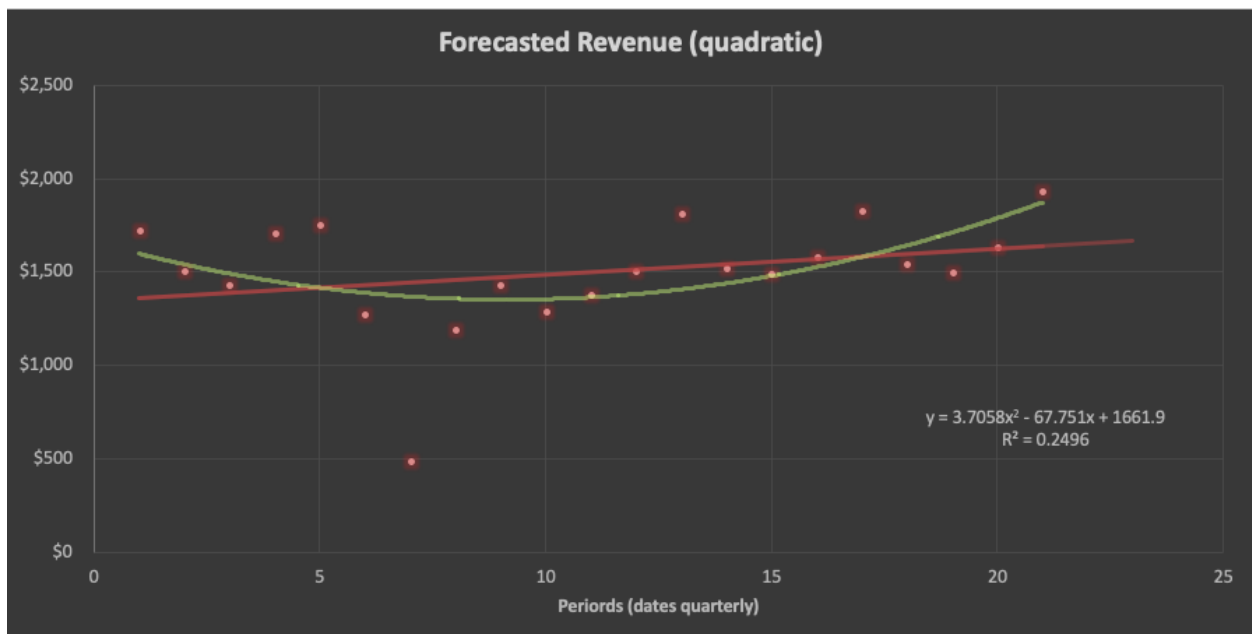
The chart above is a polynomial forecast model (green line) based on the quarterly revenue. This is a more accurate and better predictive model than the linear model but is still not that accurate. The R^2 is now at 25%, from the 8%, but we want to be as close to 100% as possible. These models are no accounting for the seasonality of retail, which could be one reason for the inaccuracy.

Based on both models, they both indicate an increasing slope; therefore, the revenue is predicted to continue to increase over the next few years. Due to such low accuracy levels, I cannot provide legitimate figures.

Source:

https://www.macrotrends.net/stocks/charts/RL/ralph-lauren/income-statement?freq=Q