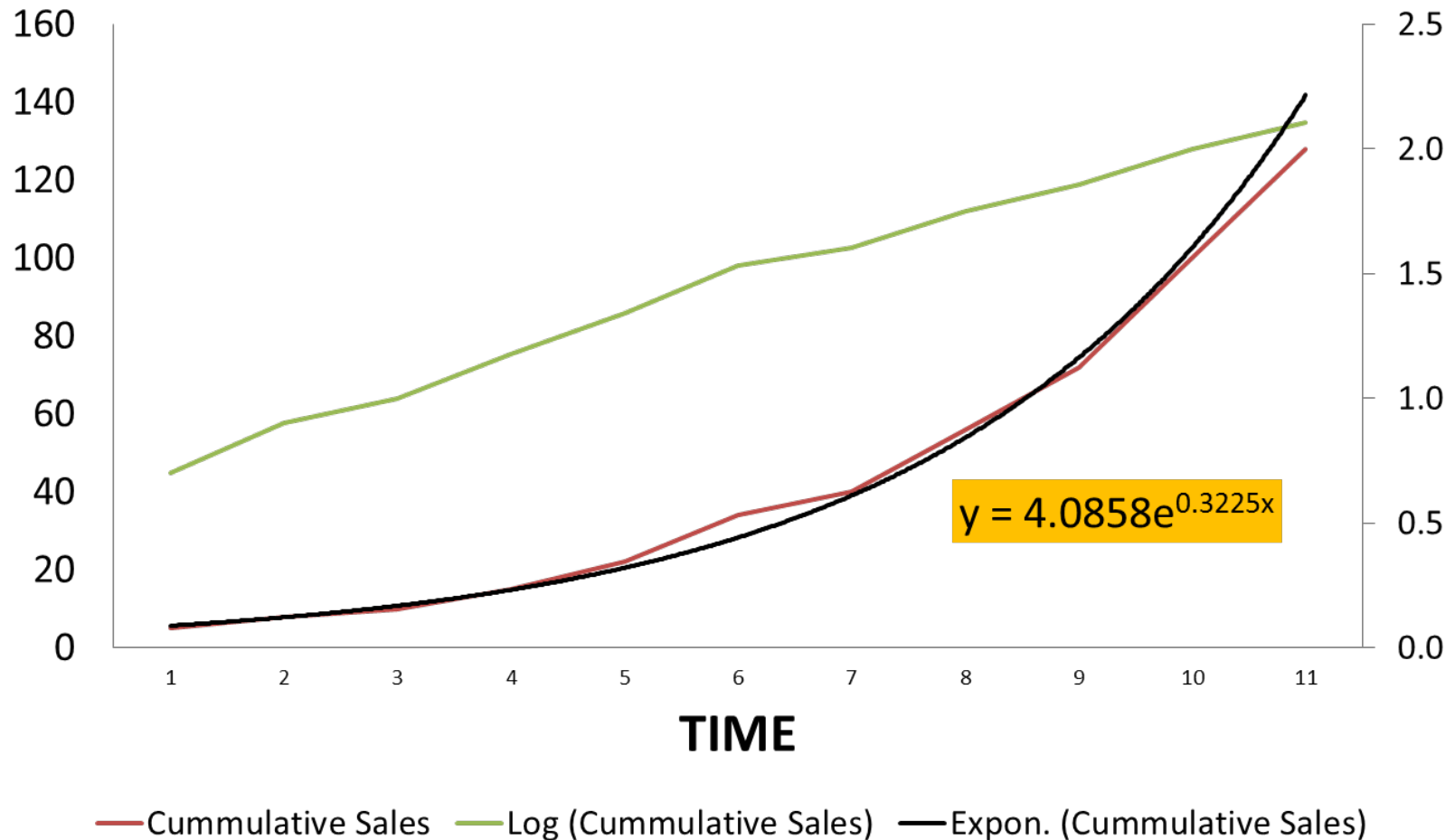


# Understanding S-Shape

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# Cumulative Sales of Ultrasound Since Introduction (Millions)



# Logistic Regression—How Do We Get the S-Shaped Form?

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$$\text{Prob}(\text{Retention}) = \frac{e^{(a+b_1 \text{PriceDiscount})}}{1 + e^{(a+b_1 \text{PriceDiscount})}}$$

**Predictions are bound between [0,1]**

