**Logistic Regression Quiz:**

1. What is the *relationship* between linearand logistic regression?

Linear regression is a regression technique, while the logistic regression is a classification method. Both have input variables that have any measurement level.

1. In what sense is the term “logistic regression” *misleading*?

Because it is not a regression, but a classification method.

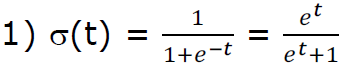
1. Consider the *sigmoid* (or *logistic function*) σ(z) = :
2. What is the domain of σ?

All real numbers. Increasing either from 0 to 1 or -1 to 1.

1. What is the range of σ?

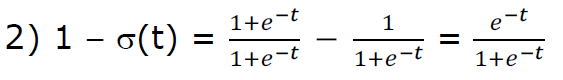
Infinite

1. Show that = .

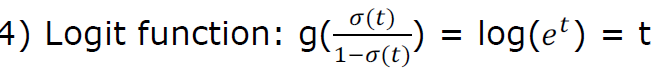


Voila!

1. Show that = .



1. Compute .



So, according to the Logit Function, then g(t).