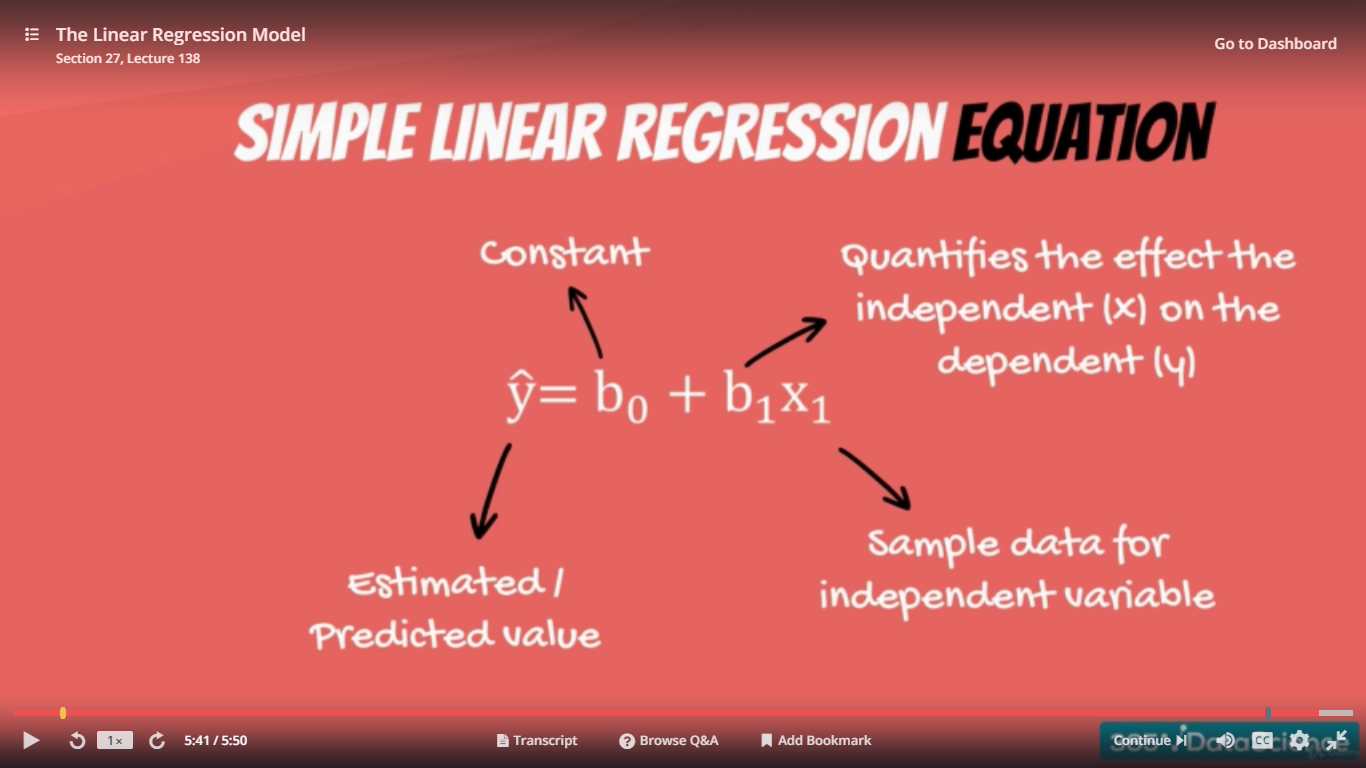
The above equation holds for population data…  
Bu statistics is all about sample data. So,

Wherever hat symbol comes, that signifies estimated value.  
