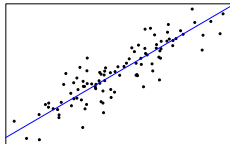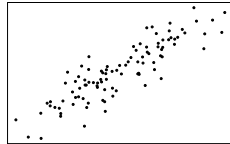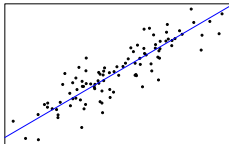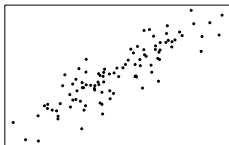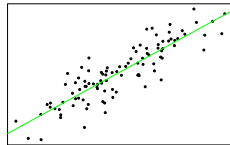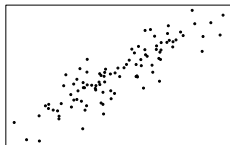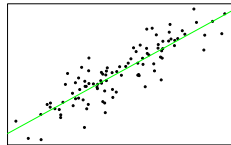# Tyche and her line

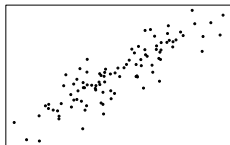# Tyche and her line

Tyche and her line
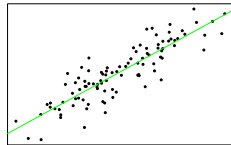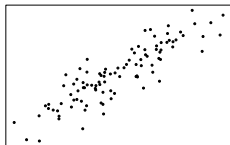
You and your line

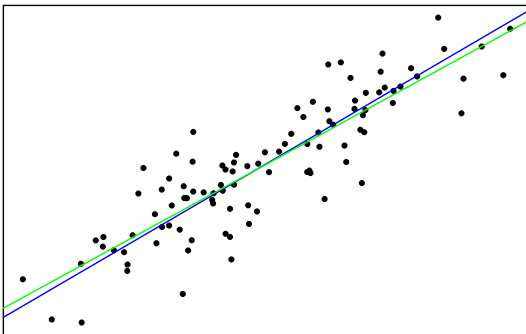# You and your line

You and your line

You can draw the **regression line** through the observed scatter diagram.
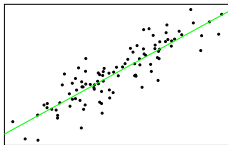
You and your line

You can draw the **regression line** through the observed scatter diagram.
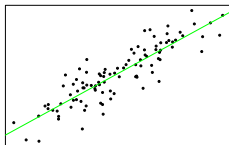
But typically that is **not the same as Tyche's line.**

Tyche's line and your line
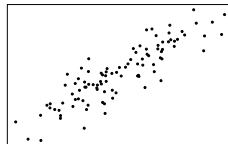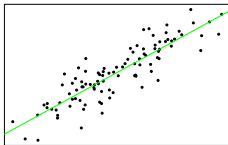
Questions of inference

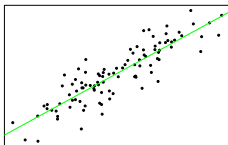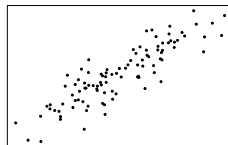Is the regression line close
to the "true" line?

Is the regression line close
to the "true" line?

Questions of inference

Is the regression line close to the "true" line?

Is Tyche's line actually flat?