

INTERDISCIPLINARY

SEPT 2013



Time: 15-40 min



CCSS.Math.Content.8.SP.A.1
and

CCSS.ELA-Literacy.RST.6-8.7

Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns as clustering, outliers, positive or negative association, linear association and nonlinear association.



EXTENSION:

For more info, see page 12:
http://pacificaquaa.org/Aqua_Curriculum.pdf

Investigate Patterns of Association in Bivariate Data

In-class connection to aquaponics.

Scenario: Students plot the average sizes of two different fish species grown in the aquaponics system and calculate amount of feed supplied for each group – OR – plot one fish species (size/weight) with the approximate cost per pound the fish will fetch at market.

Compare two sets of data to produce a scatter plot to see if there are any connections, patterns and/or relationships between the two selected factors.

*Extension Resource: Connection to Central Concept 1 (section 3) Page 12