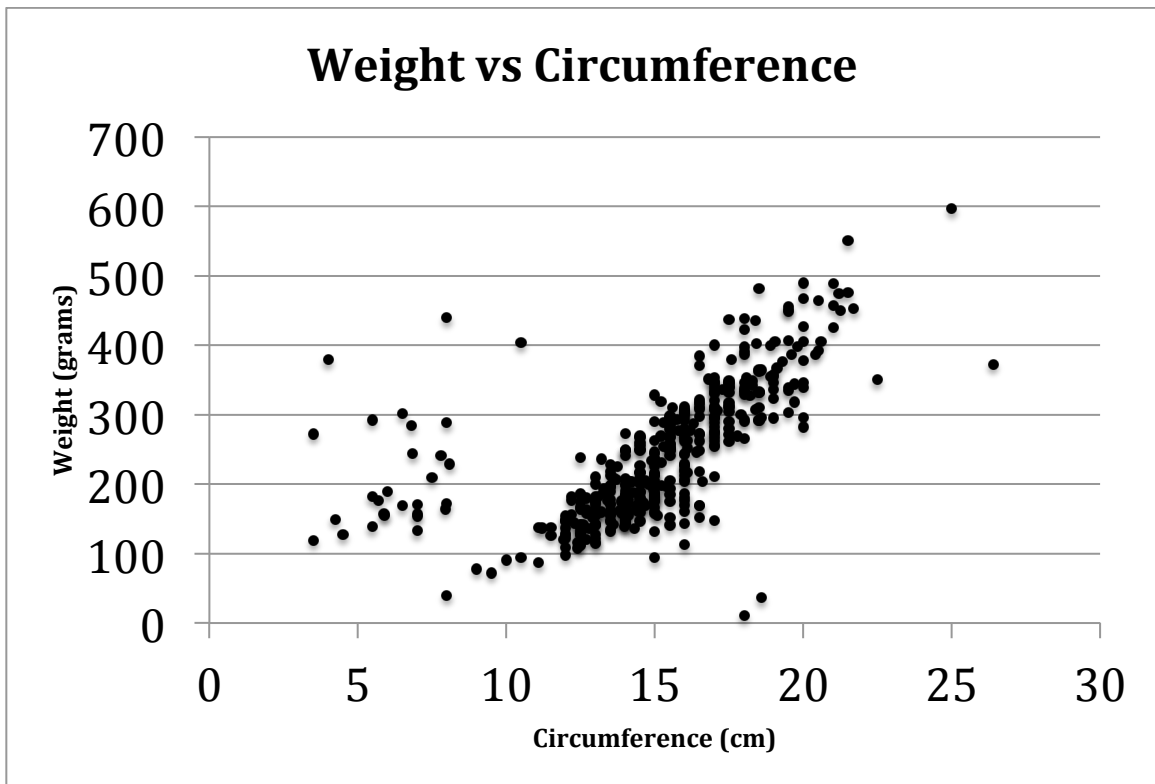
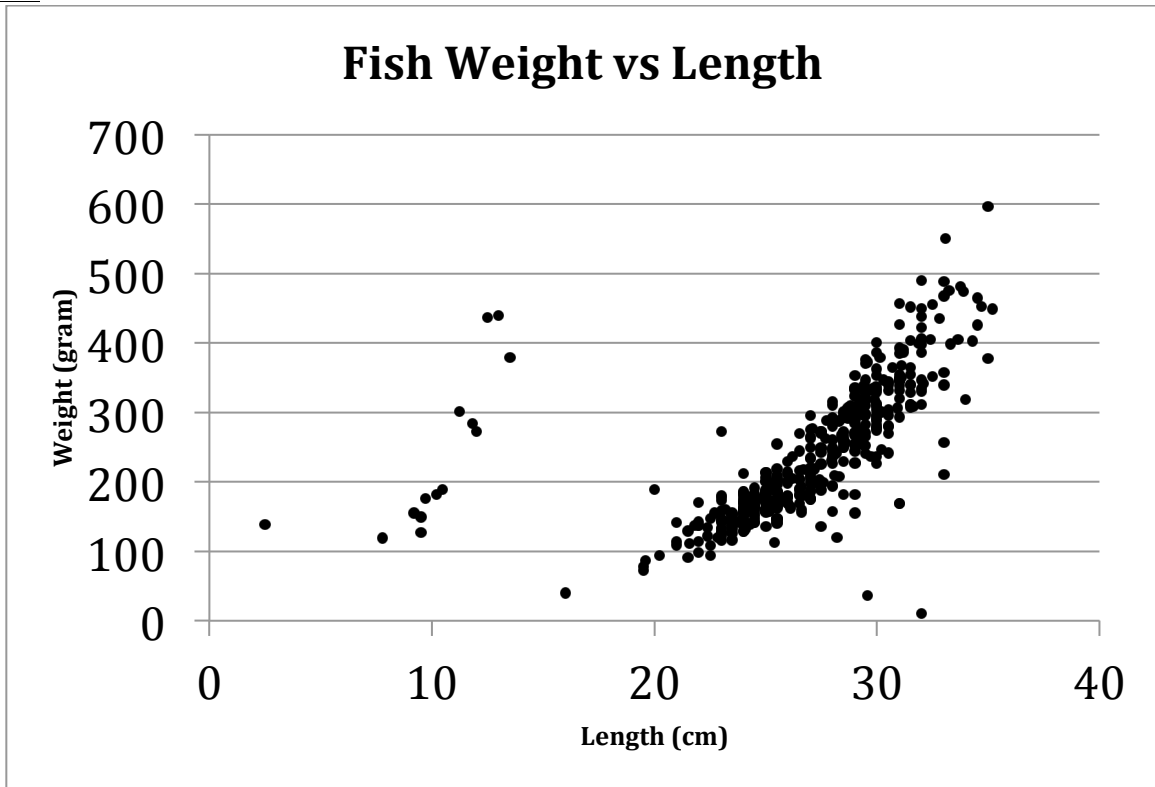
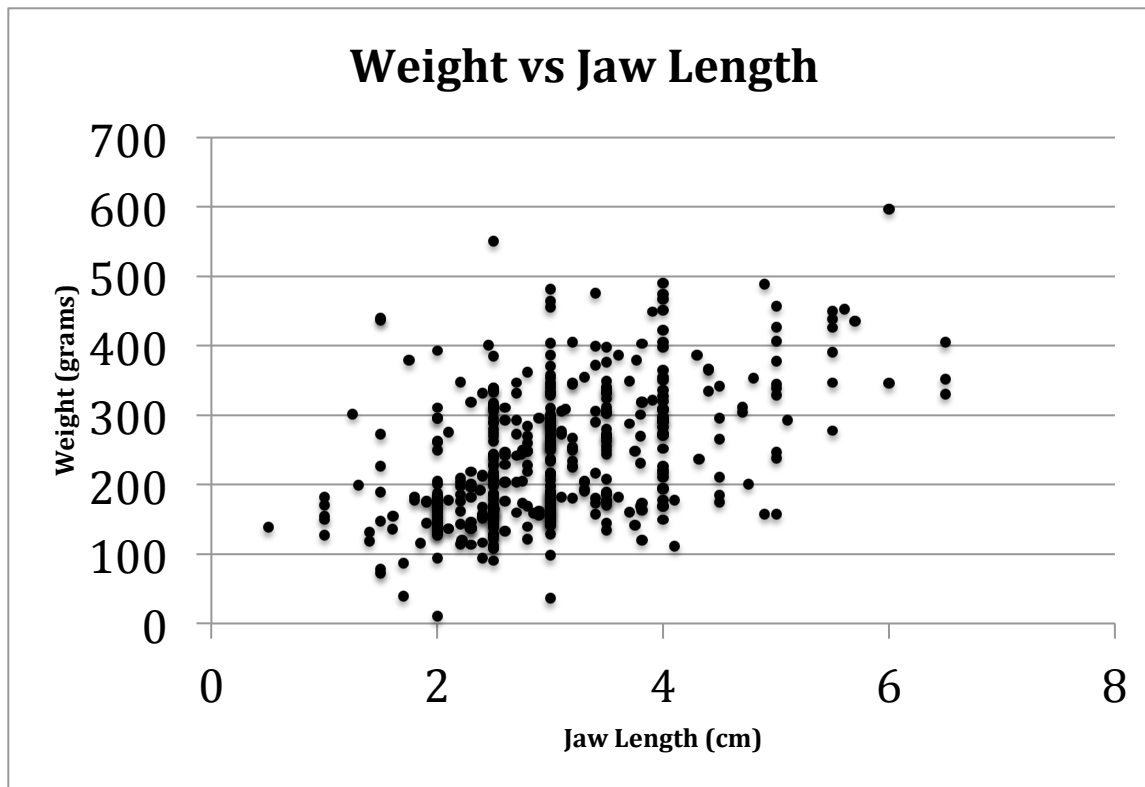


Bio 112 Spring 2014 Pooled Trout Data

These are the pooled results from the lab in 2014 pooled with data from 2007 through 2012. They are intended to help answer questions 3 (a) and (b) in the Animal Diversity Lab. You will discuss these results in lab during the last week of the Animal Diversity Lab.

For Question 3a:





For Question 3b:

- Avg. = average
- St. dev = standard deviation (measures the 'spread' of the data - roughly 95% of the data points lie within 2 standard deviations of the average)
- # = number of fish in that group
- significant = statistically significant (95% confidence that the difference is not due to chance)

Measure	Females			Males			significant?
	Avg.	St. dev.	#	Avg.	St. dev.	#	
Weight	249	98	187	241	90	244	No
Circ./length ratio	0.56	0.16	187	0.56	0.07	244	No
weight/length ratio	9.44	5.4	187	8.94	2.82	244	No
jaw length/total length	0.107	0.025	187	0.118	0.031	244	yes

Numbers of fish with specific spot patterns:

	Females	Males
Leopard spots	120	162
Circular spots	66	82

the difference is not significant

Misc factoids:

- Average # of dorsal fin spikes = 9.4
- Average % of total weight that is heart = 0.0056