Abalone Report

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Summary Statistics of Abalones' - Dimensional Measurements

	Overall (N=4177)
length	
Mean (SD)	0.524 (0.120)
Range	0.075 - 0.815
diameter	
Mean (SD)	0.408 (0.099)
Range	0.055 - 0.650
height	
Mean (SD)	0.140 (0.042)
Range	0.000 - 1.130

Summary Statistics of Abalones' - Weight Measurements

	Overall (N=4177)
wholeWeight	
Mean (SD)	0.829 (0.490)
Range	0.002 - 2.825
shuckedWeight	
Mean (SD)	0.359 (0.222)
Range	0.001 - 1.488
visceraWeight	
Mean (SD)	0.181 (0.110)
Range	0.000 - 0.760
shellWeight	
Mean (SD)	0.239 (0.139)
Range	0.002 - 1.005

Abalone Dimensional Measurements by Sex

	F (N=1307)	I (N=1342)	M (N=1528)	Total (N=4177)	p value
length					< 0.001
Mean (SD)	0.579 (0.086)	0.428 (0.109)	0.561 (0.103)	0.524 (0.120)	

	F (N=1307)	I (N=1342)	M (N=1528)	Total (N=4177)	p value
Range	0.275 - 0.815	0.075 - 0.725	0.155 - 0.780	0.075 - 0.815	
diameter					< 0.001
Mean (SD)	0.455 (0.071)	0.326 (0.088)	0.439 (0.084)	0.408 (0.099)	
Range	0.195 - 0.650	0.055 - 0.550	0.110 - 0.630	0.055 - 0.650	
height					< 0.001
Mean (SD)	0.158 (0.040)	0.108 (0.032)	0.151 (0.035)	0.140 (0.042)	
Range	0.015 - 1.130	0.000 - 0.220	0.025 - 0.515	0.000 - 1.130	

Abalone Weight Measurements by Sex

|	F (N=1307)	I (N=1342)	M (N=1528)	Total (N=4177)	p value
wholeWeight					< 0.001
Mean (SD)	1.047 (0.430)	0.431 (0.286)	0.991 (0.471)	0.829 (0.490)	
Range	0.080 - 2.657	0.002 - 2.050	0.015 - 2.825	0.002 - 2.825	
shuckedWeight					< 0.001
Mean (SD)	0.446 (0.199)	0.191 (0.128)	0.433 (0.223)	0.359 (0.222)	
Range	0.031 - 1.488	0.001 - 0.773	0.006 - 1.351	0.001 - 1.488	
visceraWeight					< 0.001
Mean (SD)	0.231 (0.098)	0.092 (0.063)	0.216 (0.105)	0.181 (0.110)	
Range	0.021 - 0.590	0.000 - 0.440	0.003 - 0.760	0.000 - 0.760	
shellWeight					< 0.001
Mean (SD)	0.302 (0.126)	0.128 (0.085)	0.282 (0.131)	0.239 (0.139)	
Range	0.025 - 1.005	0.002 - 0.655	0.005 - 0.897	0.002 - 1.005	

Plot of Abalone Age by wholeWeight

Abalone Age by Whole Weight
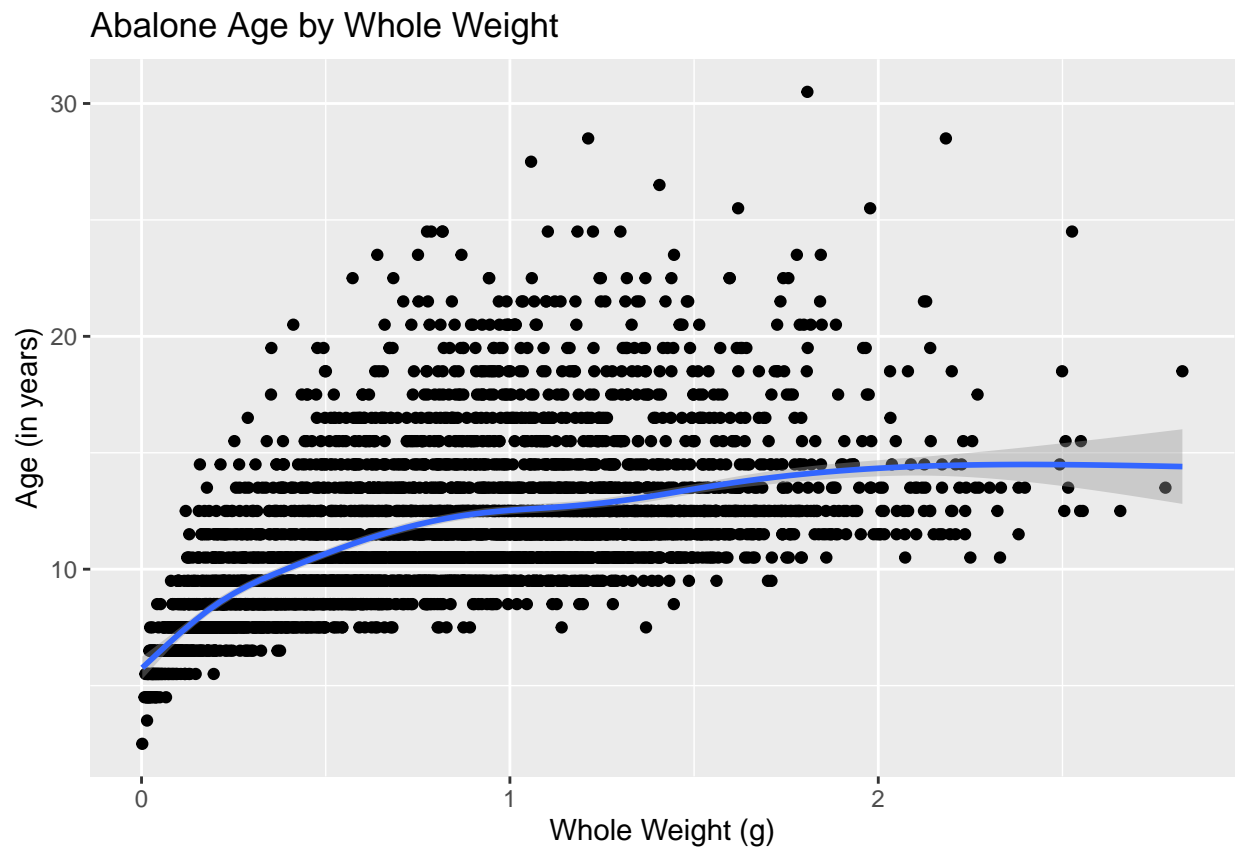
Plot of Abalone Age by diameter - by sex - Option 1

Create a plot of abalone age by diameter in mm. Show the plot by sex - Option 1 add a color by sex or Option 2 a facet_wrap().

Abalone Age by Whole Weight
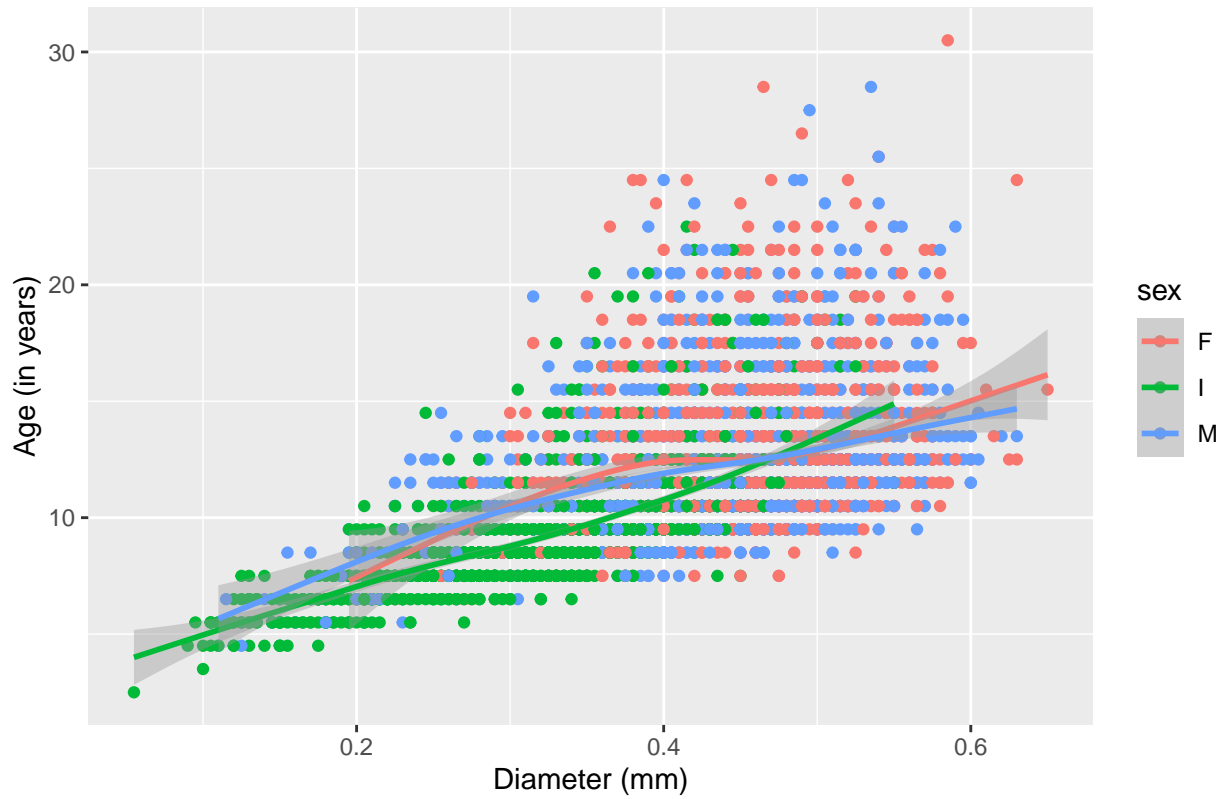
Plot of Abalone Age by diameter - by sex - Option 2

Create a plot of abalone age by diameter in mm. Show the plot by sex - Option 1 add a color by sex or Option 2 a facet_wrap().

Abalone Age by Whole Weight