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Data

Attribute Information

Variations concern hull geometry coefficients and the Froude number:

1. Longitudinal position of the center of buoyancy, adimensional. (**pos**)
2. Prismatic coefficient, adimensional. (**pcoeff**)
3. Length-displacement ratio, adimensional. (**ld_ratio**)
4. Beam-draught ratio, adimensional. (**bd_ratio**)
5. Length-beam ratio, adimensional. (**lb_ratio**)
6. Froude number, adimensional. (**froude**)

The measured variable is the residuary resistance per unit weight of displacement:

7. Residuary resistance per unit weight of displacement, adimensional.

Datatable

Raw Data

Statistics Summary

Show 10 entries

Search:

Yacht Hydrodynamic Data

	pos	pcoeff	ld_ratio	bd_ratio	lb_ratio	froude	y
1	-2.3	0.568	4.78	3.99	3.17	0.125	0.11
2	-2.3	0.568	4.78	3.99	3.17	0.15	0.27
3	-2.3	0.568	4.78	3.99	3.17	0.175	0.47
4	-2.3	0.568	4.78	3.99	3.17	0.2	0.78
5	-2.3	0.568	4.78	3.99	3.17	0.225	1.18
6	-2.3	0.568	4.78	3.99	3.17	0.25	1.82
7	-2.3	0.568	4.78	3.99	3.17	0.275	2.61
8	-2.3	0.568	4.78	3.99	3.17	0.3	3.76
9	-2.3	0.568	4.78	3.99	3.17	0.325	4.99
10	-2.3	0.568	4.78	3.99	3.17	0.35	7.16

Showing 1 to 10 of 308 entries

Previous

1

2

3

4

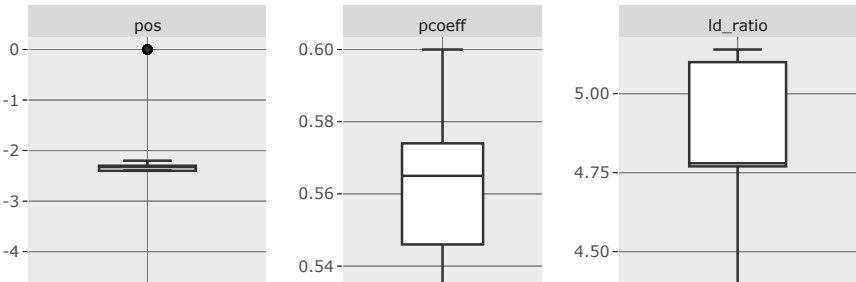
5

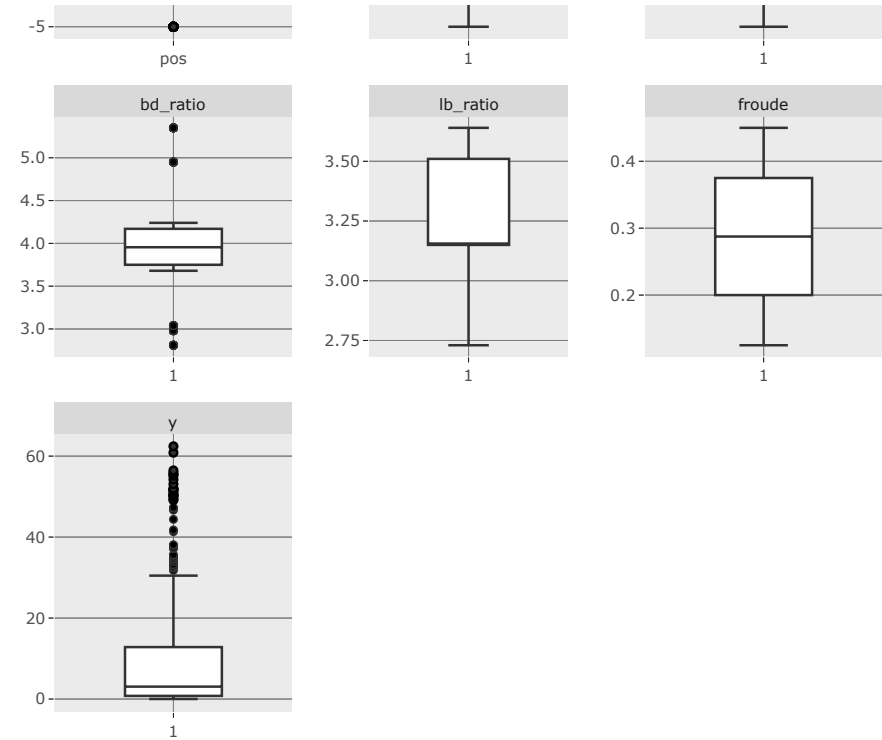
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31

Next

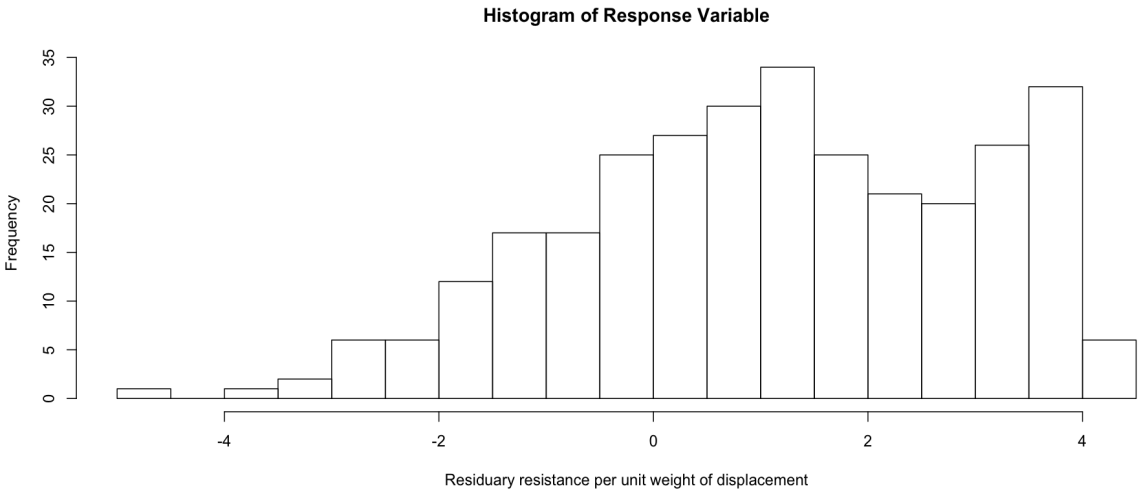
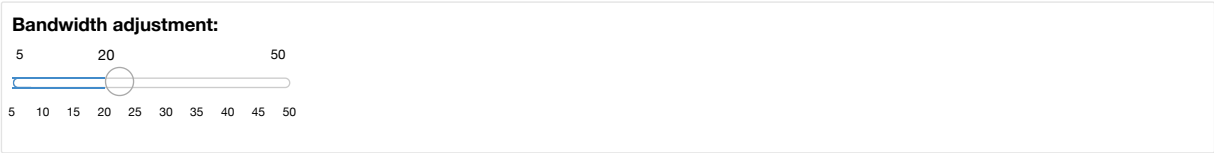
Boxplots



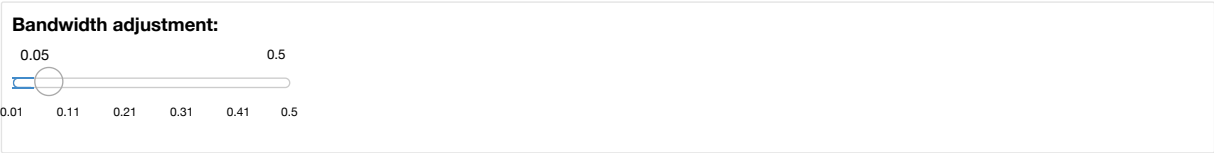


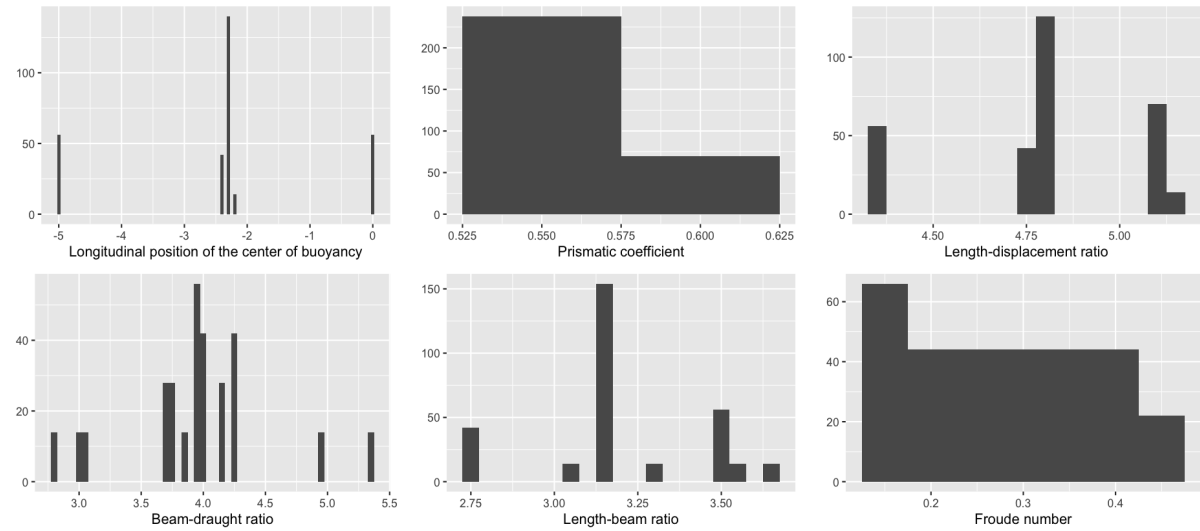
Histograms

Histogram of Response Variable

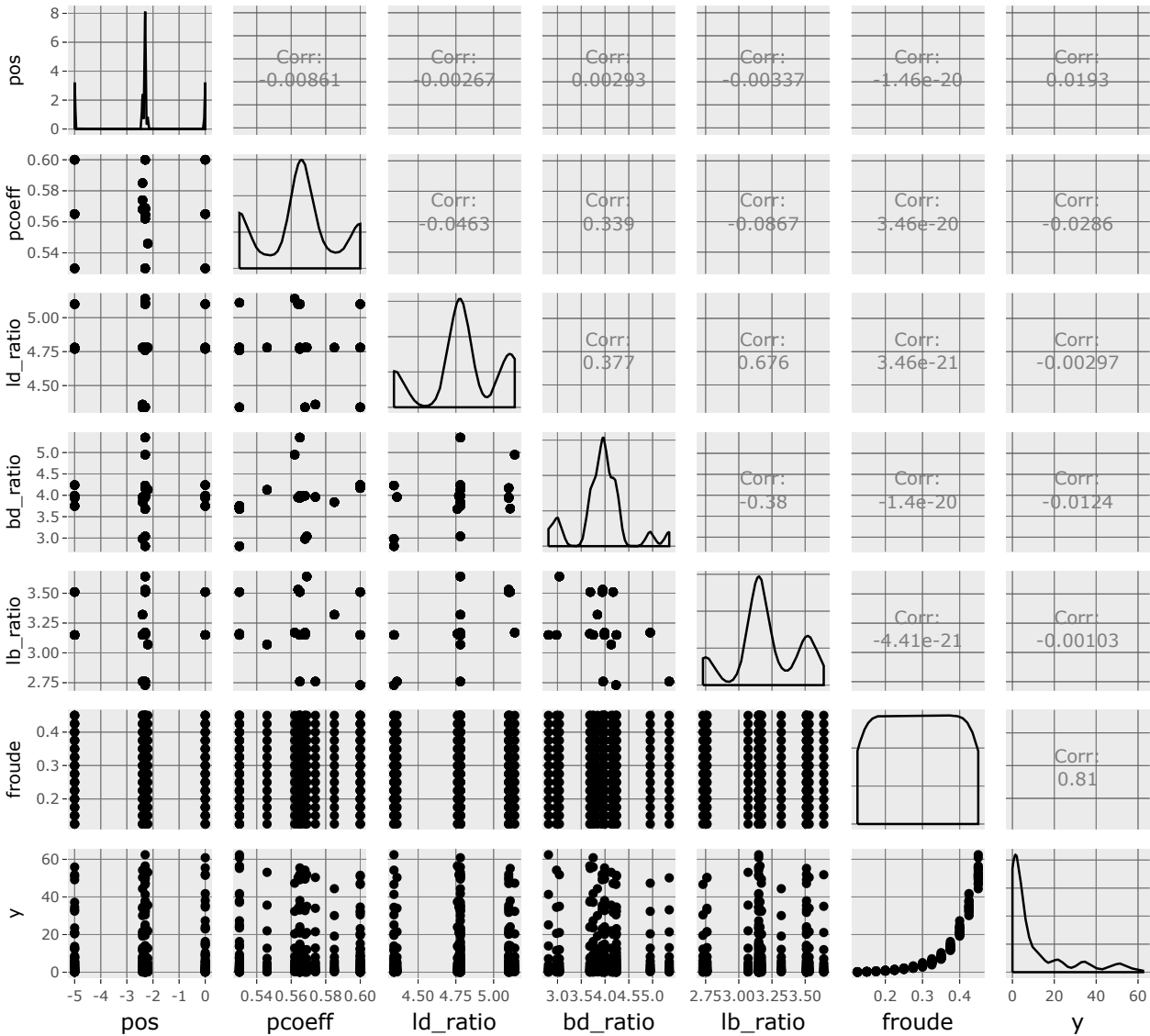


Histograms of Explanatory Variables





Scatter Plots & Correlations



Models

TODO