. summarize combustivel cilindros potencia peso

Variable | Obs Mean Std. Dev. Min Max

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combustivel | 38,113 1972.049 529.941 500 6050

cilindros | 38,110 5.733837 1.737158 2 16

potencia | 38,111 3.313315 1.352598 0 8.4

peso | 38,113 33.72502 45.65476 0 192

. histogram combustivel, discrete freq

(start=500, width=22.040039)

. histogram cilindro, discrete freq

(start=2, width=.26000023)

. histogram potencia, discrete freq

(start=0, width=.04999995)

. histogram peso, discrete freq

(start=0, width=1)

. correlate combustivel cilindros potencia peso

(obs=38,110)

| combus~l cilind~s potencia peso

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combustivel | 1.0000

cilindros | 0.7717 1.0000

potencia | 0.7692 0.9024 1.0000

peso | -0.2607 -0.1599 -0.2409 1.0000

. graph matrix combustivel cilindros potencia peso, half jitter(2)

. tobit combustivel cilindros potencia peso, ul

Tobit regression Number of obs = 38,110

LR chi2(3) = 38379.37

Prob > chi2 = 0.0000

Log likelihood = -273920.2 Pseudo R2 = 0.0655

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combustivel | Coef. Std. Err. t P>|t| [95% Conf. Interval]

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cilindros | 137.6842 2.212812 62.22 0.000 133.347 142.0214

potencia | 131.6504 2.890518 45.55 0.000 125.9849 137.3159

peso | -1.249165 .0373834 -33.41 0.000 -1.322438 -1.175893

\_cons | 788.5464 6.24013 126.37 0.000 776.3155 800.7772

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/sigma | 320.3059 1.160342 318.0316 322.5802

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0 left-censored observations

38,105 uncensored observations

5 right-censored observations at combustivel >= 6050