

Prac 2.8

[A/AS112]

The figure shows part of a page from Francis Galton's notebooks. In the late 1880s, Galton collected and analyzed data from several families, including the heights of the father and mother and of their children.

	Father	Mother	Sons in order of height	Daughters in order of height
1	18.5	7.0	13.2	9.2, 9.0, 9.0
2	15.5	6.5	13.5, 12.5	5.5, 5.5
3	15.0	about 4.0	11.0	8.0
4	15.0	4.0	10.5, 8.5	7.0, 4.5, 3.0
5	15.0	-1.5	12.0, 9.0, 8.0	6.5, 2.5, 2.5

Rearrange the data shown in this page excerpt in a tabular format with each child being one case. As a first step, decide what variables are contained in Galton's data. Keep in mind that while some of the variables are recorded explicitly as a number, others are recorded implicitly as position in Galton's records. Note that the data are coded as the height in inches minus 60 — so add 60 to each number to recover the true height.

In the box below, type in a few lines of your table, making sure to show variable names in the first row.

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Source for figure: James A. Hanley, McGill University. Hanley, James A., "Transmuting" Women into Men: Galton's Family Data on Human Stature, See The American Statistician, Volume 58, Number 3, 1 August 2004, pp. 237-243(7)