

This data set comes from a 1977 study which collected anthropometric data of children. The study was the result of a Consumer Product Safety Commission effort to help companies develop safer products for children. The original data set contained measurements on over 4,100 children, but infant data was excluded from the public release file.

The data set consists of 3,900 observations of 123 variables. The variables consist of measurement variables, demographics variables (age gender) and some family variables as well. The original documentation for this dataset is found in the file: B2.child_measurements.pdf. This document contains detailed information about how the measurements were taken. Output from SAS PROC MEANS below shows a brief summary of the variables in the data set. All variables were read in as numeric so output for all variables is in the table.

Variable	NN	Miss	Minimum	Maximum	Mean
WEIGHT	3900	0	0	1123.00	370.7738462
STATURE	3900	0	0	1944.00	1382.58
VERTICAL GRIP REACH	3900	0	0	2332.00	518.5407692
FRONTAL GRIP REACH	3900	0	0	831.0000000	180.4597436
LATERAL GRIP REACH	3900	0	0	1108.00	238.4861538
STEP HEIGHT	3900	0	0	942.0000000	176.4356410
SUPINE STATURE	3900	0	0	1925.00	277.4771795
STANDING CENTER OF GRAVITY	3900	0	0	1075.00	155.9471795
ERECT SITTING HEIGHT	3900	0	0	996.0000000	726.5043590
EYE HEIGHT (SEATED)	3900	0	0	858.0000000	207.6710256
MAXIMUM HIP BREADTH (SEATED)	3900	0	0	448.0000000	261.7343590
MAXIMUM THIGH BREADTH (SEATED)	3900	0	0	452.0000000	87.0161538
THIGH CLEARANCE	3900	0	0	191.0000000	39.3938462
BUTTOCK-KNEE LENGTH	3900	0	0	697.0000000	455.1064103
KNEE HEIGHT	3900	0	0	628.0000000	408.5348718
SUPINE SITTING HEIGHT	3900	0	0	1026.00	146.8653846
SEATED CENTER OF GRAVITY	3900	0	0	297.0000000	41.5046154
HEAD CIRCUMFERENCE	3900	0	0	613.0000000	517.5915385
HEAD BREADTH	3900	0	0	179.0000000	140.1794872
HEAD LENGTH	3900	0	0	218.0000000	62.1584615
BIZYGOMATIC BREADTH	3900	0	0	153.0000000	40.2500000
FRONTAL BREADTH	3900	0	0	122.0000000	30.6946154
LOWER FACE HEIGHT	3900	0	0	136.0000000	32.4246154
FACE HEIGHT	3900	0	0	202.0000000	52.9510256
HEAD HEIGHT	3900	0	0	244.0000000	63.6094872
TRAGION TO BACK OF HEAD	3900	0	0	131.0000000	30.0984615
TRAGION TO TOP OF HEAD	3900	0	0	152.0000000	39.1415385
EAR-SELLION DEPTH	3900	0	0	123.0000000	30.2066667
BITRAGION BREADTH	3900	0	0	144.0000000	38.6058974
MOUTH BREADTH	3900	0	0	69.0000000	13.2805128
NOSE LENGTH	3900	0	0	60.0000000	13.3841026
NECK CIRCUMFERENCE	3900	0	0	422.0000000	96.4958974
LATERAL NECK BREADTH	3900	0	0	134.0000000	28.8212821

Variable		NN Miss	Minimum	Maximum	Mean
CLAVICALE-ACROMION LENGTH	3900	0	0	228.0000000	47.7276923
SHOULDER BREADTH	3900	0	0	518.0000000	332.5212821
BIOCROMIAL BREADTH	3900	0	0	438.0000000	97.2192308
SHOULDER-ELBOW LENGTH	3900	0	0	484.0000000	281.9820513
ACROMION-RADIALE LENGTH	3900	0	0	371.0000000	81.6092308
UPPER ARM CIRCUMFERENCE	3900	0	0	389.0000000	207.6194872
UPPER ARM DEPTH	3900	0	0	119.0000000	21.5330769
ELBOW-HAND LENGTH	3900	0	0	541.0000000	363.2856410
RADIALE-STYLION LENGTH	3900	0	0	321.0000000	65.0584615
FOREARM CIRCUMFERENCE	3900	0	0	323.0000000	199.4858974
FOREARM BREADTH	3900	0	0	115.0000000	21.3515385
WRIST CIRCUMFERENCE	3900	0	0	210.0000000	46.2687179
WRIST BREADTH	3900	0	0	56.0000000	11.7387179
HAND LENGTH	3900	0	0	217.0000000	148.4553846
HAND BREADTH	3900	0	0	102.0000000	67.9982051
MINIMUM HAND CLEARANCE	3900	0	0	857.0000000	186.1184615
THUMB CROTCH-MIDDLE FINGER LENGT	3900	0	0	163.0000000	33.4825641
THUMB LENGTH	3900	0	0	97.0000000	17.3635897
THUMB DIAMETER	3900	0	0	246.0000000	52.8584615
INDEX FINGER LENGTH	3900	0	0	86.0000000	19.3669231
INDEX FINGER DIAMETER	3900	0	0	190.0000000	41.4525641
MIDDLE FINGER LENGTH	3900	0	0	94.0000000	21.3376923
MIDDLE FINGER DIAMETER	3900	0	0	190.0000000	42.5364103
MIDDLE FINGER-THUMB GRIP LENGTH	3900	0	0	128.0000000	27.0817949
MAXIMUM FIST CIRCUMFERENCE	3900	0	0	326.0000000	72.2371795
MAXIMUM FIST BREADTH	3900	0	0	122.0000000	24.5328205
MAXIMUM FIST DEPTH	3900	0	0	99.0000000	21.2997436
SUPRASTERNALE HEIGHT	3900	0	0	1551.00	353.0369231
CHEST HEIGHT AT AXILLA	3900	0	0	1508.00	349.5635897
CHEST CIRCUMFERENCE	3900	0	0	1123.00	683.8674359
CHEST BREADTH AT AXILLA	3900	0	0	339.0000000	73.4400000
WAIST HEIGHT	3900	0	0	1225.00	276.7048718
WAIST CIRCUMFERENCE	3900	0	0	1094.00	606.2169231
WAIST BREADTH	3900	0	0	365.0000000	75.0638462
NATURAL WAIST CIRCUMFERENCE	3900	0	0	1058.00	197.4512821
ILIOCRISTALE HEIGHT	3900	0	0	1179.00	263.1784615
HIP HEIGHT AT BUTTOCKS	3900	0	0	1037.00	233.7579487
HIP CIRCUMFERENCE	3900	0	0	1160.00	707.8984615
HIP BREADTH AT TROCHANTER	3900	0	0	390.0000000	80.4138462
ILIOSPINALE HEIGHT	3900	0	0	1109.00	247.3210256
BISPINOUS BREADTH	3900	0	0	293.0000000	61.3546154
GLUTEAL FURROW HEIGHT	3900	0	0	915.0000000	202.0533333
TROCHANTERIC HEIGHT	3900	0	0	1009.00	222.5343590
UPPER THIGH CIRCUMFERENCE	3900	0	0	753.0000000	417.7002564
UPPER THIGH DEPTH	3900	0	0	242.0000000	42.2858974
TIBIALE HEIGHT	3900	0	0	555.0000000	114.1341026

Variable		NN Miss	Minimum	Maximum	Mean
CALF CIRCUMFERENCE HEIGHT	3900	0	0	443.0000000	94.0469231
CALF CIRCUMFERENCE	3900	0	0	467.0000000	277.6992308
CALF DEPTH	3900	0	0	140.0000000	29.9253846
ANKLE CIRCUMFERENCE	3900	0	0	278.0000000	62.9292308
ANKLE BREADTH	3900	0	0	74.0000000	16.8230769
SPHYRION HEIGHT	3900	0	0	96.0000000	16.7792308
FOOT LENGTH	3900	0	0	311.0000000	210.8425641
FOOT BREADTH	3900	0	0	128.0000000	82.1356410
AGE IN YEARS	3900	0	0	20054.00	10421.16
SEX	3900	0	1.0000000	2.0000000	1.4928205
CG TYPE	3900	0	0	3.0000000	0.6487179
CG NUMBER	3900	0	0	2.0000000	0.2812821
CG WEIGHT	3900	0	0	1034.00	76.5638462
STANDING CG PCT ST	3900	0	0	607.0000000	108.4130769
STD CG IN ANT-POST	3900	0	0	417.0000000	18.6664103
PELVIC HEIGHT	3900	0	0	202.0000000	26.0171795
PELVIC HEIGHT_0001	3900	0	0	3129.00	140.1420513
SEATED CG PCT SITH	3900	0	0	385.0000000	53.8766667
SEATED CG F BACK	3900	0	0	305.0000000	35.7135897
SEAT CG F BUTT-KNE	3900	0	0	569.0000000	74.9207692
LOCATION	3900	0	0	104.0000000	54.5528205
AGE IN MONTHS	3900	0	0	240.0000000	124.5602564
BIRTH DATE	3900	0	0	123166.00	44670.99
MEASUREMENT DATE	3900	0	0	123171.00	72109.51
MEASUREMENT SET TP	3900	0	1.0000000	5.0000000	2.0271795
MEASURER NUMBER	3900	0	0	14.0000000	2.9684615
COMPUTER NUMBER	3900	0	0	9.0000000	3.5364103
RACE	3900	0	0	5.0000000	1.1817949
GRADE LEVEL	3900	0	0	99.0000000	5.7335897
HANDEDNESS	3900	0	0	5.0000000	1.1610256
NUMBER OF BROTHERS	3900	0	0	30.0000000	1.1182051
NUMBER OF SISTERS	3900	0	0	21.0000000	1.0797436
TWIN	3900	0	0	2.0000000	1.9335897
BIRTH ORDER	3900	0	0	90.0000000	2.2294872
MOTHERS OCCUPATION	3900	0	0	33.0000000	6.6625641
FATHERS OCCUPATION	3900	0	0	99.0000000	4.4774359
MOTHERS EDUCATION	3900	0	0	6.0000000	2.9100000
FATHERS EDUCATION	3900	0	0	6.0000000	2.8574359
YEARS IN COMMUNITY	3900	0	0	85.0000000	9.0200000
COMMENT CODES	3900	0	0	90.0000000	0.6407692
ANTHROPOMETER NO	3900	0	0	4.0000000	1.2135897
CALIPER NO	3900	0	0	3.0000000	1.0828205
GIRTH NO	3900	0	0	3.0000000	1.2448718