66.25

72.25

71.25

2

3

4

5

28.9

25.2

29.4

27.7

6.9

24.6

10.9

27.8

6.1

25.3

10.4

28.7

1.0853

1.0414

1.0751

1.034

22

22

26

24

173.25

154

184.75

184.25

anan mumbar	fat h	fat c	done			h.	h.m.:	ffw	magk	abaat	abdomen	hip	Abia b	lenna	ankla	biceps
case_number	fat_b	fat_s	dens	age	wt	ht	bmi	liw	neck	chest	abdomen	nip	thigh	knee	ankle	biceps
forearm							-	-			_		-			wrist

The SAS System

Torcarri																	111.50
	1	12.6	12.3	1.0708	23	154.25	67.75	23.7	134.9	36.2	93.1	85.2	94.5	59	37.3	21.9	32

161.3

116

164.7

133.1

38.5

34

37.4

34.4

93.6

95.8

101.8

97.3

83

87.9

86.4

100

98.7

99.2

101.2

101.9

58.7

59.6

60.1

63.2

37.3

38.9

37.3

42.2

23.4

24

22.8

24

30.5

18.2

28.8

16.6

32.4

18.2

32.2

17.7

27.4 17.1

23.4

24.7

24.9

case_number fat_b fat_s dens age wt ht bmi ffw neck chest abdomen hip thigh knee ankle biceps																
	case_number	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

	forearm																	wrist
		6	20.6	20.9	1.0502	24	210.25	74.75	26.5	167	39	104.5	94.4	107.8	66	42	25.6	35.7
ı																		

_		20.0		1.0302		210.25	,, 5				101.5	3	107.0				33.7	
30.6																	18.8	
	7	19	19.2	1.0549	26	181	69.75	26.2	146.6	36.4	105.1	90.7	100.3	58.4	38.3	22.9	31.9	1

23.6

24.6

25.8

8

9

10

27.8

29

31.1

30

12.8

5.1

12

1.0704

1.09

1.0722

12.4

4.1

11.7

25

25

23

176

191

198.25

72.5

74

73.5

	 20.0	20.5	1.0302	 210.25	,, 5	 107	101.5	3	107.0		25.0	
30.6												18

153.6

181.3

174.4

99.6

100.9

99.6

37.8

38.1

42.1

88.5

82.5

88.6

97.1

99.9

104.1

60

62.9

63.1

39.4

38.3

41.7

23.2

23.8

25

17.7

30.5

18.8

35.9

18.2

35.6

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																wrist

	11	7.5	7.1	1.083	26	186.25	74.5	23.6	172.3	38.5	101.5	83.6	98.2	59.7	39.7	25.2	32.8
29.4																	18.5

	 	, , ,	 	.00.20	,	 .,	00.0	 	55.2	00.7	00	 
29.4												18

28.6

31.6

30.5

13

14

15

20.5

20.8

21.7

20.8

21.2

22.1

1.0513

1.0505

1.0484

32

30

35

180.5

205.25

187.75

69.5

71.25

69.5

26.3

28.5

27.4

29.4																	18.5
	12	8.5	7.8	1.0812	27	216	76	26.3	197.7	39.4	103.6	90.9	107.7	66.2	39.2	25.9	37.2

143.5

162.5

147

38.4

39.4

40.5

102

104.1

101.3

91.6

101.8

96.4

103.9

108.6

100.1

63.4

66

69

38.3

41.5

39

21.5

23.7

23.1

19

32.5

17.7

36.9

18.8

36.1

31.6

30.5

30.1

18

19

20

22.4

16.1

16.5

22.9

16

16.5

1.0468

1.0622

1.061

32

28

33

209.25

183.75

211.75

71

67.75

73.5

29.2

28.2

27.6

case_nui	mber	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																	wrist

The SAS System

	16	20.5	20.9	1.0512	35	162.75	66	26.3	129.3	36.4	99.1	92.8	99.2	63.1	38.7	21.7	31.1

	16	20.5	20.9	1.0512	35	162.75	66	26.3	129.3	36.4	99.1	92.8	99.2	63.1	38.7	21.7	31.1
26.4																	16.9

26.4																	16.9
	17	28.1	29	1.0333	34	195.75	71	27.3	140.8	38.9	101.9	96.4	105.2	64.8	40.8	23.1	36.2

162.5

154.3

176.8

42.1

38

40

107.6

106.8

106.2

97.5

89.6

100.5

107

102.4

109

66.9

64.2

65.8

40

38.7

40.6

24.4

22.9

24

17.3

38.2

19.3

37.2

18.5

37.1 18.2

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																wrist

	21	19	19.1	1.0551	28	179	68	27.3	145.1	39.1	103.3	95.9	104.9	63.5	38	22.1	32.5
30.3																	18.4

30.3																	18.
	22	15.3	15.2	1.064	28	200.5	69.75	29.1	169.8	41.3	111.4	98.8	104.8	63.4	40.6	24.6	3

L	30.3																	10.
		22	15.3	15.2	1.064	28	200.5	69.75	29.1	169.8	41.3	111.4	98.8	104.8	63.4	40.6	24.6	3
Г																		

	22	15.3	15.2	1.064	28	200.5	69.75	29.1	169.8	41.3	111.4	98.8	104.8	63.4	40.6	24.6	33
32.8																	19.9

122.6

129.8

33.9

35.5

34.5

86

86.7

90.2

76.4

80

76.3

94.6

93.4

95.8

57.4

54.9

58.4

35.3

36.2

35.5

22.2

22.1

22.9

27.9

16.7

29.8 17.1

31.1

17.6

	22	15.3	15.2	1.064	28	200.5	69.75	29.1	169.8	41.3	111.4	98.8	104.8	63.4	40.6	24.6	33
32.8																	19.9

68.25 21.2

70

67.75

21.4

23.2

31 140.25

148.75

151.25

32

28

15.7

17.6

14.2

25.9

26.7

28

24

25

15.6 | 1.0631

1.0584

1.0668

17.7

14

148

133.25

160.75

67.5

67.5

64.75

69

27

28

29

30

27

26.6

27.9

26.7

8.5

22.4

4.7

9.4

7.9

22.9

3.7

8.8

1.0811

1.0468

1.091

1.079

34

31

27

29

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

The SAS System

forearm									wrist	
			 			 		 		ĺ

120.3

114.9

127

145.7

36.2

38.8

36.4

36.7

88.6

97.4

93.5

97.4

74.6

88.7

73.9

83.5

85.3

94.7

88.5

98.7

51.7

57.5

50.1

58.9

34.7

36

34.5

35.3

21.4

21

21.3

22.6

28.7

16.5

29.2

17

30.5

17.2

30.1

17.6

29.9 26 4.6 3.7 1.0911 159.25 71.5 21.9 151.9 35.7 89.6 79.7 96.5 55 36.7 22.5 28.2 17.7

20.3

22.9

22.4

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																wrist

	31	12.3	11.9	1.0716	32	182	73.75	23.6	159.7	38.7	100.5	88.7	99.8	57.5	38.7	33.9	32.5
27.7																	18.4

32 6.5 5.7 1.0862 29 160.25 71.25 22.2 149.8 37.3 93.5 84.5 100.6 58.5 38.8 21.5 30.1

142.5

172.7

170.4

38.1

39.8

42.1

93

111.7

117

79.1

100.5

115.6

94.5

108.3

116.1

57.3

67.1

71.2

36.2

44.2

43.3

24.5

25.2

26.3

17.9

29

18.8

37.5

18.7

37.3

19.7

26.4

30

31.5

31.7

33

34

35

13.4

20.9

31.1

11.8

21.3

32.3

1.0719

1.0502

1.0263

27

41

41

168

218.5

247.25

71.25

71

73.5

23.3

30.5

case_num	nber	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																	wrist
	36	38.2	40.1	1.0101	49	191.75	65	32	118.4	38.4	118.5	113.1	113.8	61.9	38.3	21.9	32
20.0																	

29.8																	17
	37	23.6	24.2	1.0438	40	202.25	70	29.1	154.5	38.5	106.5	100.9	106.2	63.5	39.9	22.6	35.1
30.6																	19

240.5

139.4

42.1

51.2

40.2

105.6

136.2

114.8

98.8

148.1

108.1

104.8

147.7

102.5

66

87.3

61.3

41.5

49.1

41.1

24.7

29.6

24.7

33.2

19.4

45

21.4

34.1

18.3

38

39

40

30.5

29

31

27.5

33.8

31.3

28.4

35.2

32.6

1.0346

1.0202

1.0258

50

46

50

196.75

363.15

203

68.25

72.25

67

29.7

48.9

case_nun	nber	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																	wrist
	41	33.1	34.5	1.0217	45	262.75	68.75	39.1	175.8	43.2	128.3	126.2	125.6	72.5	39.6	26.6	36.4
32.7																	21.4
	42	31.7	32.9	1.025	44	205	29.5	29.9	140.1	36.6	106	104.3	115.5	70.6	42.5	23.7	33.6
28.7																	17.4
	43	30.4	31.6	1.0279	48	217	70	31.2	151.1	37.3	113.3	111.2	114.1	67.7	40.9	25	36.7

114.7

41.5

31.5

106.6

85.1

104.3

76

106

88.2

65

50

40.2

34.7

23

21

18.4

35.8 18.8

26.1

16.1

# 43 30.4 31.6 | 1.0279 48 217 70 31.2 151.1 37.3 113.3 111.2 | 114.1 | 67.7 40.9 25 29.8

29.2

19.1

212

125.25

71.5

68

32

7.7

1.0269

1.0814

41

39

44

45

31.5

23.1

30.8

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																wrist

	46	14.1	13.9	1.067	43	164.25	73.25	21.3	141.1	35.7	96.6	81.5	97.2	58.4	38.2	23.4	29.7
_																	

		 17.1	13.3	1.007	73	104.23	75.25	21.5	171.1	33.7	30.0	01.5	37.2	30.4	30.2	25.4	23.
	27.4																18.3
ř				1			1	1								$\overline{}$	

# 27.9 11.2 10.8 | 1.0742 133.5 67.5 20.6 118.5 33.6 88.2 73.7 88.5 53.3 34.5 22.5

139

117.6

121.2

34.6

32.8

34

89.8

92.3

83.4

79.5

83.4

70.4

92.7

90.4

87.2

52.7

52

50.6

37.5

35.8

34.4

21.9

20.6

21.9

17.3

28.8

17.9

28.8

16.3

26.8

16.8

26.2

26.8

25.5

25.8

48

49

50

6.4

13.4

5

5.6

13.6

4

1.0665

1.0678

1.0903

39

45

47

148.5

135.75

127.5

71.25

68.5

66.75

20.6

20.4

29.6

16.9

38.5

18.5

27.7

18.5

	51	10.7	10.2	1.0756	47	158.25	72.25	21.3	141.4	34.9	90.2	86.7	98.3	52.6	37.2	22.4	26

25.8																	17.3
	52	7.4	6.6	1.084	40	139.25	69	20.6	129	34.3	89.2	77.9	91	51.4	34.9	21	26.7

125.3

142

129.6

36.5

35.1

37.8

89.7

93.3

87.6

82

79.6

77.6

89.1

91.6

88.6

49.3

52.6

51.9

33.7

37.6

34.9

21.4

22.6

22.5

26.1

26

27.4

27.5

53

54

55

8.7

7.1

4.9

8

6.3

3.9

1.0807

1.0848

1.0906

51

49

42

137.25

152.75

136.25

67.75

73.5

67.5

21.1

19.9

The SAS System

	56	22.2	22.6	1.0473	54	198	72	26.9	154.1	39.9	107.6	100	99.6	57.2	38	22	35.9

30.2										18.9
		1	1	1		I				

146.7

141

136.7

40.5

40.5

38.4

111.5

115.4

104.8

104.2

105.3

98.3

105.8

97

99.6

61.8

59.1

60.6

39.8

38

37.7

22.7

22.5

22.9

37.7

19.2

31.6

18.2

34.5

18.5

57 33.1 20.1 20.4 1.0524 58 181.5 27.6 145.1 39.1 100 99.8 102.5 62.1 39.6 22.5 28.3 18.5

58

59

60

30.9

28.8

29.6

27.1

30.4

24

28

31.5

24.6

1.0356

1.028

1.043

62

54

61

201.25

202.5

179.75

69.5

70.75

65.75

29.3

28.4

						T	he SA	AS Sys	stem								-
case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps	

18.3

32.7

19.1

33.6

18.8

35.3

18.4

forearm																	wrist
	61	25.4	26.1	1.0396	62	216	73.25	28.2	161.2	41.4	112.3	104.8	103.1	61.6	40.9	23.1	36.2

	61	25.4	26.1	1.0396	62	216	73.25	28.2	161.2	41.4	112.3	104.8	103.1	61.6	40.9	23.1	36.2
31.8																	20.2

31.8																	20.
	62	28.8	29.8	1.0317	56	178.75	68.5	26.8	127.4	35.6	102.9	94.7	100.8	60.9	38	22.1	32.

136.1

133.3

141.7

38

37.4

40.1

107.6

105.3

105.3

102.4

99.7

105.5

99.4

99.7

108.3

61

60.8

65

39.4

40.1

41.2

23.6

22.7

24.7

29.8

29.9

29

31.1

63

64

65

29.6

25.1

31

30.7

25.8

32.3

1.0298

1.0403

1.0264

54

61

57

193.25

178

205.5

70.25

67

70

27.6

27.9

154.75

155.25

156.75

70.75

71.5

69.25

71.5

67

68

69

70

27.4

27.4

28.1

27.1

21.1

14

7.1

13.2

21.5

13.8

6.3

12.9

1.0499

1.0673

1.0847

1.0693

54

55

54

55

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

The SAS System

14

# forearm wrist 34.8

28.9 55 66 30 1.0313 183.5 67.5 28.3 130.4 40.9 103 100.3 104.2 64.8 40.2 22.7

30.1 18.7

119.6

133.1

144.2

136.1

35.6

36.9

37.5

36.3

90

95.4

89.3

94.4

83.9

86.6

78.4

84.6

93.9

91.8

96.1

94.3

55

54.3

56

51.2

36.1

35.4

37.4

37.4

21.7

21.5

22.4

21.6

29.6

17.4

32.8

18.7

32.6

18.1

27.3

17.3

21.3

21.3

22.8

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

The SAS System

15

wrist

18.3

29.7

18.2

29.3

16.9

29.4

16.8

	71	23.7	24.3	1.0439	62	167.5	71.5	23.1	127.8	35.5	97.6	91.5	98.5	56.6	38.6	22.4	31.5
27.3																	18.6

forearm

27.3

27.3

25.7

27

73

74

75

9.1

13.7

12

8.5

13.5

11.8

1.0796

1.068

1.072

56

55

61

160.75

125

143

73.75

64

65.75

20.8

21.5

23.3

27.3									18.6
					1				

27.3																	18.6
	72	9.4	8.8	1.0788	55	146.75	68.75	21.9	132.9	38.7	88.5	82.8	95.5	58.9	37.6	21.6	30.3

146.1

107.9

125.9

36.4

33.2

36.5

93.6

87.7

93.4

82.9

76

83.3

96.3

88.6

93

52.9

50.9

55.5

37.5

35.4

35.2

23.1

19.1

18.1

30.8

18.8

31.4

18.3

30.3

19

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

forearm																wrist
7	6 18	3 18.5	1.0666	61	148.25	67.5	22.9	121.1	36	91.6	81.8	94.8	54.5	37	21.4	29.3

	76	18.3	18.5	1.0666	61	148.25	67.5	22.9	121.1	36	91.6	81.8	94.8	54.5	37	21.4	29.3
27																	18.3

# 77 9.2 8.8 1.079 57 162.5 69.5 23.7 147.5 38.7 91.6 78.8 94.3 56.7 39.7 24.2 30.2

139.1

127.2

139.5

38.7

37.8

37.4

102

96.4

102.7

95

95.4

98.6

98.3

99.3

100.2

55

53.5

56.5

38.3

37.5

39.3

21.8

21.5

22.7

29.2

25.7

26.8

28.7

78

79

80

21.7

21.1

18.6

22.2

21.5

18.8

1.0483

1.0498

1.056

69

81

66

177.75

161.25

171.25

68.5

70.25

69.25

26.7

23

34.3

19

31.2

19.2

29.7 18

The SAS System

	81	30.2	31.4	1.0283	67	163.75	67.75	25.1	114.3	38.4	97.7	95.8	97.1	54.8	38.2	23.7	29.4

# 19

27.2																	19
	82	26	26.8	1.0382	64	150.25	67.25	23.4	111.2	38.1	97.1	89	96.9	54.8	38	22	29.9

155.6

126

124.1

39.3

38.7

38.5

103.1

101.8

101.4

97.8

94.9

99.8

99.6

95

96.2

58.9

56

56.3

39

36.5

36.6

23

24.1

22

25.2

29.6

27.3

26.3

83

84

85

18.2

26.2

26.1

18.4

27

27

1.0568

1.0377

1.0378

64

70

72

190.25

170.75

168

72.75

70

69.25

25.3

24.5

						Т	he SA	AS Sys	stem							
case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

18.8

29.2

18.1

30.2

18.8

28.8

18.7

forearm																	wrist
	86	25.8	26.6	1.0386	67	167	67.5	26	123.9	36.5	98.9	89.7	96.2	54.7	37.8	33.7	32.4

27.7

18.2 87 15 14.9 1.0648 72 67.25 24.6 134.1 37.7 97.5 88.1 96.9 57.2 37.7 21.8 32.6 157.75

123.8

161.1

150.9

36.5

38

36.7

104.3

97.3

96.7

90.9

86

86.5

93.8

99.3

98.3

57.8

61

60.4

39.5

38.4

39.9

23.3

23.8

24.4

26

23.7

23.3

28

28.4

29.3

29.6

88

89

90

22.6

8.8

14.3

23.1

8.3

14.1

1.0462

1.08

1.0666

64

46

48

160

176.75

176

65.75

72.5

73

18.8

30.1

18.4

33.3

19.1

30.3

17.8

case_nur	nber	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																	wrist

	91	20.2	20.5	1.052	46	177	70	25.4	141.3	37.2	99.7	95.6	102.2	58.3	38.2	22.5	29.1

17.7 27.7 92 18.1 18.2 1.0573 44 179.75 69.5 26.2 147.3 39.2 101.9 93.2 100.6 58.9 39.7 23.1 31.4

150.1

145.9

166.6

37.5

38

37.3

97.2

106.6

99.6

83.1

97.5

88.88

95.4

100.6

101.4

56.9

58.9

57.4

38.3

40.5

39.6

22.1

24.5

24.6

28.4

28.2

29.6

27.9

93

94

95

9.2

24.2

9.6

8.5

24.9

9

1.0795

1.0424

1.0785

47

46

47

165.25

192.5

184.25

70.5

71.75

74.5

23.4

26.3

50

46

47

188.75

162.5

156.5

197

73.25

66.5

68.25

72

97

98

99

100

30.1

27.8

27.5

30.9

10.1

11.1

17.7

21.7

9.6

11.3

17.8

22.2

1.077

1.073

1.0582

1.0484

ca	se_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

The SAS System

20

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																wrist

96 53 17.3 17.4 1.0991 224.5 77.75 26.1 185.7 41.1 113.2 99.2 107.5 61.7 42.3 23.2 32.9

169.6

143.5

128.8

154.2

37.5

38.7

35.9

40

99.1

99.4

95.1

107.5

91.6

86.7

88.2

94

102.4

96.2

92.8

103.7

60.6

62.1

54.7

62.7

39.4

39.3

37.3

39

22.9

23.3

21.9

22.3

31.6

18.5

30.6

18.2

31.6

18.2

35.3

18.3

30.8 20.4

24.8

25.9

23.7

72

71.25

73.75

69.25

25.9

23.6

24

25.5

26

198.5

173.75

172.75

196.75

177

101

102

103

104

105

31

26.2

29.2

30.3

27.2

20.8

20.1

19.8

21.9

24.7

21.2

20.4

20.1

22.3

25.4

1.0506

1.0524

1.053

1.048

1.0412

49

48

41

49

43

						Т	he SA	AS Sys	stem							
case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

forearm wrist

157.2

138.9

138.6

153.7

133.2

40.1

37

36.3

40.7

39.6

106.5

99.1

96.7

103.5

104

95

92

89.2

95.5

98.6

101.7

98.3

98.3

101.6

99.5

59

59.3

60

59.1

59.5

39.4

38.4

38.4

39.8

36.1

22.3

22.4

23.2

25.4

22

32.2

18.6

27.9

17

31

18.4

31

19.7

30.1 17.7

35.1

19.1

35.1

19.2

32.1

17.3

# case\_number fat\_b fat\_s dens wt ht ffw neck chest abdomen hip thigh knee ankle biceps age bmi

The SAS System

forearm																	wrist
	106	17.8	18	1.0578	43	165.5	68.5	24.8	136	31.1	93.1	87.3	96.6	54.7	39	24.8	31

166.3

160.6

133.1

42

38.5

34.2

110

110.1

97.8

101.6

88.7

92.3

100.7

102.1

100.6

55.8

57.5

57.5

38.7

40

36.8

23.4

24.8

22.8

29.4																	18.8
	107	19.1	19.3	1.0547	43	200.25	73.5	26	162	38.6	105.2	102.8	103.6	61.2	39.3	23.5	30.5

26

24

24.7

28.5

29.6

30.7

26

108

109

110

18.2

17.2

21

18.3

17.3

21.4

1.0569

1.0593

1.05

52

43

40

203.25

194

168.5

74.25

75.5

47

42

48

183.25

178.25

163

175.25

28.2

27.8

31.1

27.6

27.3

112

113

114

115

27.1

21.6

20.9

25.9

28

22.1

21.3

26.7

1.0355

1.0486

1.0503

1.0384

The SAS System

70

70

70.25

71.75

26.3

25.6

23.3

24

neck chest abdomen hip thigh knee ankle biceps case\_number

23

18.1

33.5

17.4

35.3

19.8

30.7

17.4

31.8

17.5

forearm wrist

# 111 19.5 19.7 1.0538 43 170.75 68.5 25.6 137.5 37.2 96.3 90.6 99.3 61.9 38 22.3 33.3

133.5

139.7

128.9

129.9

37.1

40.2

35.3

38

108

99.7

93.5

100.7

105

95

89.6

92.4

103

98.6

99.8

97.5

63.7

62.3

61.5

59.3

40

38.1

37.8

38.1

23.6

23.9

21.9

chest

abdomen

hip

thigh

knee

ankle

case\_number | fat\_b | fat\_s |

120

28.6

17.9

18.1

1.0575

44

187.5

72.25

25.3

dens | age

wt

	4

biceps

																	4
forearm																	wrist
	116	16.7	16.7	1.0607	40	158	69.25	23.4	131.7	36.3	97	86.6	92.6	55.9	36.3	22.1	29.8
26.3																	17.3
	117	19.8	20.1	1.0529	48	177.25	72.75	23.6	142.1	36.8	96	90	99.7	58.8	38.4	22.8	29.9
28																	18.1
	118	14.1	13.9	1.0671	51	179	72	24.3	153.8	41	99.2	90	96.4	56.8	38.8	23.3	33.4
29.8																	19.5
	119	25.1	25.8	1.0404	40	191	74	24.6	143.1	38.3	95.4	92.4	104.3	64.6	41.1	24.8	33.6
29.5																	18.5

153.8

38

101.8

87.5

101

58.5

39.2

24.5

32.1

18

						Т	he SA	AS Sys	stem								
case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps	

						-											
forearm																	wrist
	121	27	27.9	1.0358	52	206.5	74.5	26.2	150.7	40.8	104.3	99.2	104.1	58.5	39.3	24.6	33.9
31.2																	19.5

40 | 160.25 | 68.75 | 23.9 | 136.5 |

66.75

66.5

23.9

25.6

123

124

125

28

27.5

29.2

14.8

16

14

14.7 | 1.0652 |

16 | 1.0623

1.0674

13.8

47

50

151.5

161

31.2																	19.5
	122	24.6	25.3	1.0414	44	185.25	71.5	25.5	139.6	39.5	99.2	98.1	101.4	57.1	40.5	23.2	33
29.6																	18.4

31.2																	19.5
	122	24.6	25.3	1.0414	44	185.25	71.5	25.5	139.6	39.5	99.2	98.1	101.4	57.1	40.5	23.2	33
29.6																	18.4

127.3

138.5

36.9

36.9

37.7

99.3

94

98.9

83.3

86.1

84.1

97.5

95.2

94

60.5

58.1

58.5

38.7

36.5

36.6

22.6

22.1

23.5

34.4

17.6

30.6

17.6

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

The SAS System

26

forearm																	wrist	
	126	17.4	17.5	1.0587	46	167	67	26.2	137.9	36.6	101	89.9	100	60.7	36	21.9	35.6	

130.7

125.8

153

140.5

38.9

37.5

39.8

38.3

98.7

95.9

103.9

96.2

92.1

78

93.5

87

98.5

93.2

99.5

97.8

60.7

53.5

61.7

57.4

36.8

35.8

39

36.9

22.2

20.8

21.8

22.2

33.8

17.2

33.9

17.4

33.3

18.1

31.6 17.7

126	17.4	17.5	1.0587	46	16/	6/	26.2	137.9	36.6	101	89.9	100	60.7	36	21.9	35.6
30.2																17.6

26.4

23.4

25.2

23.9

127

128

129

130

30.3

28.2

29.6

27.8

26.4

17.4

20.4

15

27.2

17.4

20.8

14.9

1.0373

1.059

1.0515

1.0648

42

43

40

42

177.5

152.25

192.25

165.25

68.75

67.75

73.25

47

50

41

171.25

197

157

168.25

70.5

73.25

66.75

69.5

26.5

28.4

28.6

29.3

29.8

132

133

134

135

22.2

23.1

25.3

23.8

22.7

23.6

26.1

24.4

1.0472

1.0452

1.0398

1.0435

						Т	he SA	AS Sys	stem							
case number	fat b	fat s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thiah	knee	ankle	bicens

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																wrist

forearm																	wris
	131	10	10 1	1 0575	40	171 75	71 5	23.7	140.0	25.5	07.8	00.1	05.8	57	29.7	22.2	27

131 10 10.1 1.05/5 25./ 140.9 ೨೨.၁ 97.0 90. I 95.0 JO./ 25.2

133.3

151.2

117.2

128.3

36.3

37.8

37.8

36.5

94.6

103.6

100.4

98.4

90.3

99.8

89.4

87.2

99.1

103.2

92.3

98.4

60.3

61.2

56.1

56

38.5

38.1

35.6

36.9

23

22.6

20.5

23

24.3

25.8

24.8

24.5

17.6

31.2

17.1

33.5

17.9

33.6

17.3

34

						Т	he SA	AS Sys	stem								2
case number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps	]

forearm																	wrist	
	136	26.3	27.1	1.0374	44	186	69.75	26.8	137.1	37.8	104.6	101.1	102.1	58.9	37.9	22.7	30.9	
28.8																	17.6	

138

139

140

28.4

27.4

29.8

28.4

21.8

20.1

29.4

22.4

20.4

1.0325

1.0481

1.0522

43

40

49

187.75

168.25

212.75

74

71.25

75

24.1

23.3

26.6

																	.,.0
	137	21.4	21.8	1.0491	39	166.75	70.75	23.5	131	37	92.9	86.1	95.6	58.8	36.1	22.4	32.7
28.3																	17.1

134.4

131.6

169.9

37.7

34.3

40.8

97.8

98.3

104.7

98.6

88.5

106.6

100.6

98.3

107.7

63.6

58.1

66.5

39.2

38.4

42.5

23.8

22.5

24.5

34.3

17.7

31.7

17.6

35.5

																		ı
	137	21.4	21.8	1.0491	39	166.75	70.75	23.5	131	37	92.9	86.1	95.6	58.8	36.1	22.4	32.7	
28.3																	17.1	

						Т	he SA	AS Sys	stem							
case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

wrist

17.8

31.6

17.9

30.5

18.2

31.8 18.3

	141	24.3	24.9	1.0422	40	176.75	71	24.6	133.8	37.4	98.6	93.1	101.6	59.1	39.6	21.6	30.8
27.0																	16.6

129

143.9

168.4

37.5

35.5

38

102.7

92.1

96.6

91

77.1

85.3

98.9

93.9

102.5

57.1

56.1

59.1

36.7

36.1

37.6

22.3

22.7

23.2

27.9 16.6 142 18.1 18.3 1.0571 40 173.25 69.5 25.3 141.8 36.5 99.5 93 99.3 60.4 38.2 22 32

forearm

28.5

27.5

27.2

29.7

143

144

145

22.7

9.9

10.8

23.3

9.4

10.3

1.0459

1.0775

1.0754

52

23

23

167

159.75

188.15

67.75

72.25

77.5

25.6

21.6

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																wrist

	146	14.4	14.2	1.0664	24	156	70.75	21.9	133.6	35.7	92.7	81.9	95.3	56.4	36.5	22	33.5
28.3																	17.3

28.3									17.
				1					
				l				 	

29.7

25.2

30.4

148

149

150

28.6

6.1

24.5

29.6

5.3

25.2

1.0322

1.0873

1.0416

25

25

26

206.5

143.75

223

69.75

72.5

70.25

29.8

19.3

31.8

																		1
28.3																	17.3	
	147	19	19.2	1.055	24	208.5	72.75	27.7	168.9	39.2	102	99.1	110.1	71.2	43.5	25.2	36.1	

147.5

135

168.3

40.9

35.2

40.6

110.9

92.3

114.1

100.5

76.5

106.8

106.2

92.1

113.9

68.4

51.9

67.6

40.8

35.7

42.7

24.6

22

24.7

18.7

33.3

18.4

25.8

16.9

36

case\_number | fat\_b | fat\_s |

29.2

dens age

wt

		J
_		

biceps

19.4

hip thigh

knee

ankle

abdomen

forearm																	wrist
	151	9.9	9.4	1.0776	26	152.25	69	22.5	137.2	35.4	92.9	77.6	93.5	56.9	35.9	20.4	31.6
29																	17.8
	152	19.1	19.6	1.0542	26	241.75	74.5	30.7	195.1	41.8	108.3	102.9	114.4	72.9	43.5	25.1	38.5
33.8																	19.6
	153	10.6	10.1	1.0758	27	146	72.25	19.7	130.5	34.1	88.5	72.8	91.1	53.6	36.8	23.8	27.8
26.3																	17.4
	154	16.5	16.5	1.061	27	156.75	67.25	24.4	130.9	37.9	94	88.2	95.2	56.8	37.4	22.8	30.6
28.3																	17.9
	155	20.5	21	1.051	27	200.25	73.5	26.1	159.3	38.2	101.1	100.1	105	62.1	40	24.9	33.7

The SAS System																
case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

19.1

31.6

18.6

27

16.9

30.1

18.2

	 _								•
£									
forearm									wrist
		1							

156	17.2	17.3	1.0594	28	171.5	75.25	21.6	142	35.6	92.1	83.5	98.3	57.3	37.8	21.7	32.2
27.7																17 7

		.,	.,.0			.,	70.20				J			07.0	07.10	,	02.2	
27.7																	17.7	
	157	30.1	31.2	1.0287	28	205.75	69	30.4	143.9	38.5	105.6	105	106.4	68.6	40	25.2	35.2	1

163.4

119.1

138.3

37

35.9

36.2

98.5

88.7

101.1

90.8

76.6

92.4

102.5

89.8

99.3

60.8

50.1

59.4

38.5

34.8

39

25

21.8

24.6

30.7

28

34.9

28.2

158

159

160

10.5

12.8

22

10

12.5

22.5

1.0761

1.0704

1.0477

28

30

31

182.5

136.5

177.25

72.25

68.75

71.5

24.6

20.3

chest

abdomen

106

108.8

hip

thigh

knee

42

23.4

63.8

ankle

fat\_s

dens

age

wt

fat\_b

case\_number

26.2

31.2

165

26.5

27.3

1.037

34

218.75

biceps

16.5

34 18.5

forearm																	wrist
	161	9.9	9.4	1.0775	31	151.25	72.25	20.4	136.2	35	94	81.2	91.5	52.5	36.6	21	27
26.3																	16.5
	162	14.8	14.6	1.0653	33	196	73	25.9	167	38.5	103.8	95.6	105.1	61.4	40.6	25	31.3
29.2																	19.1
	163	13.3	13	1.069	33	184.25	68.75	24.4	159.8	40.7	98.9	92.1	103.5	64	37.3	23.5	33.5
30.6																	19.7
	164	15.2	15.1	1.0644	34	140	70.5	19.8	118.8	36	89.2	83.4	89.6	52.4	35.6	20.4	28.3

160.8

39.5

111.4

72

17.7

37.2

19.8

36.1

18.8

32.5

17.4

The SAS System

case_number fa	nt_b fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm															wrist

	_	_	_					_				_	_			
166	19	19.2	1.0549	35	217	73.75	28.1	175.8	40.5	107.5	95.1	104.5	64.8	41.3	25.6	36.4
33.7																19.4

	100	13	13.2	1.0545		217	75.75	20.1	175.0	70.5	107.5	33.1	104.5	04.0	71.5	25.0	30.4	
33.7																	19.4	
	167	21.4	21.8	1.0492	35	166.25	68	25.3	130.7	38.5	99.1	90.4	95.6	55.5	34.2	21.9	30.2	

179.7

149.3

144.2

43.9

40.4

37.6

108.2

114.9

99.1

100.4

115.9

90.8

106.8

111.9

98.1

63.3

74.4

60.1

41.7

40.6

39.1

24.6

24

23.4

28.7

33.1

31.8

29.8

168

169

170

20

34.7

16.5

20.3

34.3

16.5

1.0525

1.018

1.061

35

35

35

224.75

228.25

172.75

72.25

69.5

69.5

30.3

33.3

case_nun	nber	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																	wrist
	171	4.1	3	1.0926	35	152.25	67.75	23.4	146.1	37	92.2	81.9	92.8	54.7	36.2	22.1	30.4
27.4																	17.7
	172	1.9	0.7	1.0983	35	125.75	65.5	20.6	123.4	34	90.8	75	89.2	50	34.8	22	24.8
25.9																	16.9
	173	20.2	20.5	1.0521	35	177.25	71	24.8	141.7	38.4	100.5	90.3	98.7	57.8	37.3	22.4	31
28.7																	17.7
	174	16.8	16.9	1.0603	36	176.25	71.5	24.3	146.6	38.7	98.2	90.3	99.9	59.2	37.7	21.5	32.4
28.4																	17.8
	175	24.6	25.3	1.0414	36	226.75	71.75	31	170.9	41.5	115.3	108.8	114.4	69.2	42.4	24	35.4
21																	20.1

						Т	he SA	AS Sys	stem								
																	1
case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps	

forearm																	wrist	
	176	10.4	9.9	1.0763	37	145.25	69.25	21.3	130.2	36	96.8	79.4	89.2	50.3	34.8	22.2	31	
26.9																	16.9	
	177	13.4	13.1	1.0689	37	151	67	23.7	130.8	35.3	92.6	83.2	96.4	60	38.1	22	31.5	

	177	13.4	13.1	1.0689	37	151	67	23.7	130.8	35.3	92.6	83.2	96.4	60	38.1	22	31.5
26.6																	16.7
	178	28.8	29.9	1.0316	37	241.25	71.5	33.2	171.7	42.1	119.2	110.3	113.9	69.8	42.6	24.8	34.4
29.5																	18.4

146.1

195.3

38

42.8

102.7

109.5

92.7

104.5

101.9

109.9

64.7

69.5

39.5

43.1

24.7

25.8

34.8

18.1

39.1 19.9

179

180

30.3

32.5

22

16.8

22.5

16.9

1.0477

1.0603

38

39

187.25

234.75

69.25

74.5

27.5

26.9																	16.9
	177	13.4	13.1	1.0689	37	151	67	23.7	130.8	35.3	92.6	83.2	96.4	60	38.1	22	31.5
26.6																	16.7
	178	28.8	29.9	1.0316	37	241.25	71.5	33.2	171.7	42.1	119.2	110.3	113.9	69.8	42.6	24.8	34.4

chest

abdomen

hip

thigh

knee

ankle

fat\_b fat\_s

17.5

1.0587

40

170.5

74.25

dens

age

wt

case\_number

26.4

28.9

185

17.4

biceps

17.4

30.5

17.7

forearm																	wrist
	181	25.8	26.6	1.0387	39	219.25	74.25	28	162.7	40	108.5	104.6	109.8	68.1	42.8	24.1	35.6
29																	19
	182	0	0	1.1089	40	118.5	68	18.1	118.5	33.8	79.3	69.4	85	47.2	33.5	20.2	27.7
24.6																	16.5
	183	11.9	11.5	1.0725	40	145.75	67.25	22.7	128.4	35.5	95.5	83.6	91.6	54.1	36.2	21.8	31.4
28.3																	17.2
	184	12.4	12.1	1.0713	40	159.25	69.75	23	139.5	35.3	92.3	86.8	96.1	58	39.4	22.7	30

140.8

37.7

98.9

90.4

95.5

55.4

38.9

22.4

18.5

case_nur	nber	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																	wrist
	186	9.2	8.6	1.0794	40	167.5	71.5	23.1	152.1	39.4	89.5	83.7	98.1	57.3	39.7	22.6	32.9
29.3																	18.2
	187	23	23.6	1.0453	41	232.75	74.25	29.7	179.2	41.9	117.5	109.3	108.8	67.7	41.3	24.7	37.2
31.8																	20
	188	20.1	20.4	1.0524	41	210.5	72	28.6	168.3	38.5	107.4	98.9	104.1	63.5	39.8	23.5	36.4
30.4																	19.1
	189	20.2	20.5	1.052	41	202.25	72.5	27	161.4	40.8	109.2	98	101.8	62.8	41.3	24.8	36.6
32.4																	18.8
	190	23.8	24.4	1.0434	41	185	68.25	28	141	38	103.4	101.2	103.1	61.5	40.4	22.9	33.4

						Т	he SA	AS Sys	stem							
case number	fat b	fat s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thiah	knee	ankle	biceps

19.9

34

18.7

33.7

18.5

31.7 17.1

forearm																	wrist
	191	11.8	11.4	1.0728	41	153	69.25	22.5	135	36.4	91.4	80.6	92.3	54.3	36.3	21.8	29.6

	13	'	11.0	11.4	1.0720	41	133	09.23	22.5	133	30.4	91.4	00.0	92.5	34.3	30.3	21.0	29.0
	27.3																	17.9
Ĭ														Ι				

31.2

30.1

29.9

27.1

193

194

195

16

24

22.3

15.9

24.7

22.8

1.0624

1.0429

1.047

42

42

42

193.5

224.75

162.75

70.5

74.75

72.75

27.4

28.3

21.6

	27.3																	17.9
ĺ		192	36.5	38.1	1.014	42	244.25	76	29.8	155.2	41.8	115.2	113.7	112.4	68.5	45	25.5	37.1

162.6

170.8

126.5

40.7

38.5

35.4

104.9

106.7

92.2

94.1

105.7

85.6

102.7

111.8

96.5

60.6

65.3

60.2

38.6

43.3

38.9

24.7

26

156.25

168

167.25

170.75

68.25

69

71.5

72.75

67.5

27.2

23.1

23.1

22.3

26.4

42

42

42

42

43

forearm

29.8

27.3

27.8

30

28.8

196

197

198

199

200

24.8

21.5

17.6

7.3

22.6

25.5

22

17.7

6.6

23.6

1.0411

1.0488

1.0583

1.0841

1.0462

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

135.4

122.6

138.4

155.1

132.1

38.5

35.5

36.5

37.6

37.4

101.6

97.8

92

94

103.7

96.6

86

89.7

78

89.7

100.6

96.2

101

99

94.2

61.1

57.7

62.3

57.5

58.5

38.4

38.6

38

40

39

24.1

24

22.3

22.5

24.1

The SAS System

40

wrist

32.9

18.8

31.2

17.4

30.8

16.9

30.6

18.5

33.8

43

44

44

150

200.5

184

223

69.25

71.5

74

69.75

202

203

204

205

26.6

28.9

29.2

30.7

21.7

27.7

6.8

33.4

22.1

28.7

6

34.8

1.0484

1.034

1.0854

1.0209

		_														
case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

The SAS System

41

case_nur	nber	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																	wrist

201	12.5	12.2	1.0709	43	178.25	70.25	25.4	155.9	37.8	102.7	89.2	99.2	60.2	39.2	23.8	31.

117.5

144.9

171.4

148.5

35.2

37.9

37.9

40.9

91.1

107.2

100.8

121.6

85.7

103.1

89.1

113.9

96.9

105.5

102.6

107.1

55.5

68.8

60.6

63.5

35.7

38.3

39

40.3

22

23.7

24

21.8

29.4

17.4

32.1

18.7

32.9

18.4

34.8

17.4

31.7 28.4 18.6

22

27.6

23.7

47

47

47

166

195

160.5

159.75

65.5

72.5

70.25

70.75

207

208

209

210

29.5

31.6

27.5

26.2

31.7

31.5

10.1

11.3

32.9

32.8

9.6

10.8

1.025

1.0254

1.0771

1.0742

chest abdomen hip thiah ankle biceps case number

The SAS System

42

casea.	 5	5	405	uge	""	 J		· ···ce··	Cilcot	abaomen	 u.i.g.i.	 u	Бісерь
forearm													wrist

206	16.6	16.6	1.061	44	208.75	73	27.6	174.2	41.9	105.6	96.3	102	63.3	39.8	24.1	37.3

113.5

133.6

144.3

141.8

39.1

40.2

36

34.5

100.6

102.7

99.8

92.9

93.9

101.3

83.9

84.4

100.1

101.7

91.8

94

58.9

60.7

53

56

37.6

39.4

36.2

38.2

21.4

23.3

22.5

22.6

33.1

17.3

36.7

18.4

31.4

17.7

29

17.6

19.4 23.1

27.2

26.1

22.9

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																wrist

18.9

29.5

18.6

32.7

19

28.6

18

ĺ	211	7.8	7.1	1.0829	49	140.5	68	21.4	129.5	35.8	91.2	79.4	89	51.1	35	21.7	30.9

	211	7.0	7.1	1.0029	49	140.5	00	21.4	129.3	33.0	91.2	/ 9.4	09	31.1	33	21.7	30.
28.8																	17.

																		į
28.8																	17.4	
	212	26.4	27.2	1.0373	49	216.25	74.5	27.4	159.3	40.2	115.6	104	109	63.7	40.3	23.2	36.8	

135.9

158.7

139.4

38.3

39

37.4

98.3

103.7

98.7

89.7

97.6

87.6

99.1

104.2

96.1

56.3

60

57.1

38.8

40.9

38.1

23

25.5

21.8

23

27.4

22.8

31

27.9

30

26.7

213

214

215

19.3

18.5

19.3

19.5

18.7

19.5

1.0543

1.0561

1.0543

49

50

50

168.25

194.75

172.75

71.75

70.75

73

51

52

53

149.25

154.5

199.25

154.5

69.75

70

71.75

69.25

217

218

219

220

26.3

25.9

30.4

25.7

13.8

8.2

23.9

15.1

13.6

7.5

24.5

15

1.0678

1.0819

1.0433

1.0646

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

The SAS System

44

forearm																	wrist
	216	45.1	47.5	0.995	51	219	64	37.6	120.2	41.2	119.8	122.1	112.8	62.5	36.9	23.6	34.7

	216	45.1	47.5	0.995	51	219	64	37.6	120.2	41.2	119.8	122.1	112.8	62.5	36.9	23.6	34.
20.1																	10

18.4 29.1

128.7

141.9

151.7

131.2

34.8

36.9

39.4

37.6

92.8

93.3

106.8

93.9

81.1

81.5

100

88.7

96.3

94.4

105

94.5

53.8

54.7

63.9

53.7

36.5

39

39.2

36.2

21.5

22.6

22.9

22

31.3

17.8

27.5

18.6

35.7

19.2

28.5

17.1

21.6

22.2

27.2

									-								
case_nur	nber	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm						-					_						wrist

The SAS System

45

19.6

27.9

17.8

29.4

17

34.1 19.2

	221	12.7	12.4	1.0706	54	153.25	70.5	24.5	151.3	38.5	99	91.8	96.2	57.7	38.1	23.9	31.4
29.9																	18.9

ı																		
	29.9																	18.9
		222	25.3	26	1.0399	54	230	72.25	31	171.9	42.5	119.9	110.4	105.5	64.2	42.7	27	38.4

142.6

133.6

159.5

37.4

35.2

41.1

94.2

92.7

106.9

87.6

82.8

95.3

95.6

91.9

98.2

59.7

54.4

57.4

40.2

35.2

37.1

23.4

22.5

21.8

25

22.2

26.8

32

27

26.8

31.1

223

224

225

11.9

6.1

11.3

11.5

5.2

10.9

1.0726

1.0874

1.074

54

55

55

161.75

142.25

179.75

67.5

67.25

	221	12.7	12.4	1.0706	54	153.25	70.5	24.5	151.3	38.5	99	91.8	96.2	57.7	38.1	23.9	31.4
29.9																	18.9

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

18.8

33.2

18.4

34.6

18.8

32.4

19

forearm																	wrist
	226	12.8	12.5	1.0703	55	126.5	66.75	20	110.3	33.4	88.8	78.2	87.5	50.8	33	19.7	25.3

22																	15.8
	227	14 9	14.8	1 065	55	169 5	68 25	25.6	144 2	37.2	101 7	91 1	97 1	56.6	38.5	22.6	33.4

149.9

148.3

139.4

38.3

38.1

37.4

105.3

104

98.6

96.7

89.4

93

106.6

98.4

97

64

58.4

55.4

42.6

37.4

38.8

23.4

22.5

23.2

22																15.8
227	14.9	14.8	1.065	55	169.5	68.25	25.6	144.2	37.2	101.7	91.1	97.1	56.6	38.5	22.6	33.4

29.3

30

30.1

29.7

228

229

230

24.5

15

16.9

25.2

14.9

17

1.0418

1.0647

1.0601

55

56

56

198.5

174.5

167.75

74.25

69.5

68.5

25.3

25.4

58

58

60

182.25

175.5

161.75

157.75

71.75

71.5

67.25

67.5

232

233

234

235

29.1

29.6

26.1

28.7

16.1

15.5

25.9

25.5

16.1

15.4

26.7

25.8

1.062

1.0636

1.0384

1.0403

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

The SAS System

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																wrist

47

231	11.1	10.6	1.0745	57	147.75	65.75	24.1	131.4	35.2	99.6	86.4	90.1	53	35	21.3	31

152.9

148.4

119.9

117.5

39.4

38

35.1

40.4

103.4

100.2

94.9

97.2

96.7

88.1

94.9

93.3

100.7

97.8

100.2

94

59.3

57.1

56.8

54.3

38.6

38.9

35.9

35.7

22.8

23.6

21

21

31.8

19

30.9

18

27.8

17.6

31.3

18.3

31.7 27.3 16.9

24.9

24.2

25.2

						Т	he SA	AS Sys	stem							
case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

L	case_number	Iat_D	IaL_S	uens	aye	Wt	110	Dilli	IIVV	HECK	CHEST	abuoinen	ıııp	ungn	KIICE	alikie	biceps
	forearm																wrist

236	18.4	18.6	1.0563	62	168.75	67.5	26.1	137.6	38.3	104.7	95.6	93.7	54.4	37.1	22.7	30.3

236 | 18.4 | 18.6 | 1.0563 | 62 | 168.75 | 67.5 | 26.1 | 137.6 | 38.3 | 104.7 | 95.6 | 93.7 | 54.4 | 37.1 | 22.7 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 |

145.2

161.2

135.5

135.1

40.6

40.2

37.9

40.8

104

117.6

95.8

106.4

98.2

113.8

82.8

100.5

101.1

111.8

94.5

100.5

59.3

63.4

61.2

59.2

40.3

41.1

39.1

38.1

23

22.3

22.3

24

32.6

19

35.1

18.5

29.8

18.3

35.9

19.1

25.8

31.9

22.6

30.9

237

238

239

240

28.5

29.6

28.9

30.5

24

26.4

12.7

28.8

24.8

27.3

12.4

29.9

1.0424

1.0372

1.0705

1.0316

62

63

64

65

191.5

219.15

155.25

189.75

72.25

69.5

69.5

case_numbe	r fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																wrist

	241	17	17	1.0599	65	127.5	65.75	20.8	105.9	34.7	93	79.7	87.6	50.7	33.4	20.1	28.5
24.8																	16.5

24.8

149.2

165.6

156.3

143.6

38.8

41.4

41.3

40.7

119.6

119.7

115.8

118.3

118

109

113.4

106.1

114.3

109.1

109.8

101.6

61.3

63.7

65.6

58.2

42.1

42.4

46

38.8

23.4

24.6

25.4

24.1

34.9

19.4

35.6

19.5

35.3

19.5

32.1

18.5

33.9

31.8

30.3

29.9

242

243

244

245

30.1

30.7

29.8

29.3

33.6

29.3

31.4

28.1

35

30.4

32.6

29

1.0207

1.0304

1.0256

1.0334

65

66

67

67

224.5

234.25

227.75

199.5

68.25

72

72.75

case_num	oer	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps
forearm																	wrist

	246	15.3	15.2	1.0641	68	155.5	69.25	22.8	131.8	36.3	97.4	84.3	94.4	54.3	37.5	22.6	29.2
27.3																	18.5
	247	29.1	30.2	1.0308	69	215.5	70.5	30.5	152.7	40.8	113.7	107.6	110	63.3	44	22.6	37.5
32.6																	18.8

27.3																	18
	247	29 1	30.2	1 0308	69	215.5	70.5	30.5	152 7	40.8	113 7	107 6	110	63.3	44	22.6	37

25.7

28.6

27.2

248

249

250

11.5

32.3

28.3

11

33.6

29.3

1.0736

1.0236

1.0328

70

72

72

134.25

201

186.75

67

69.75

66

21.1

29.1

30.2

27.3																	18.
	247	29.1	30.2	1.0308	69	215.5	70.5	30.5	152.7	40.8	113.7	107.6	110	63.3	44	22.6	37.

118.9

136.1

133.9

34.9

40.9

38.9

89.2

108.5

111.1

83.6

105

111.5

8.88

104.5

101.7

49.6

59.6

60.3

34.8

40.8

37.3

21.5

23.2

21.5

25.6

18.5

35.2

20.1

31.3

18

207.5

70

31.9

1.0271

252

30

30.7

case_number	fat_b	fat_s	dens	age	wt	ht	bmi	ffw	neck	chest	abdomen	hip	thigh	knee	ankle	biceps

L	forearm																	wrist
		251	25.3	26	1.0399	72	190.75	70.5	27	142.6	38.9	108.3	101.3	97.8	56	41.6	22.7	30.5

143.7

40.8

112.4

108.5

107.1

59.3

42.2

24.6

33.7

20.9

29.4 19.8