How to Compute Mean Scores: CFAI-A

Here are the steps for computing the mean subscale scores for the CFAI-A. Compute each mean to four decimal places.

Step 1

Reverse-score the following items:

4,8,16,17,18,22,26,39,41,43,45,47,55,57,66,68,71,72,73,74

A score of 1 is rescored 4, a score of 2 is rescored 3, a score of 3 is rescored 2, and score of 4 is rescored 1. The best way to do this is to first circle the reverse-scored items, cross out the original responses, and write the rescored response next to the original score.

Step 2

Foster Child Development-Applicant (FCD-A). The FCD-A subscale is composed of the following 30 items:

1,2,3,6,7,9,10,12,13,14,15,19,20,21,24,25,27,28,30,32,33,34,35,36,38,41,42,45,46,48

If fewer than 24 of these items were completed don't compute a score. If 24 or more of these items were completed sum the item responses and divide by the number of items completed.

Challenging Children-Applicant (CC-A). The CC-A subscale is composed of the following 13 items:

5,11,18,26,29,31,37,40,44,49,50,51,52

If fewer than 11 of these items were completed don't compute a score. If 11 or more of these items were completed sum the item responses and divide by the number of items completed.

Worker/Agency Challenges-Applicant (WAC-A). The WAC-A subscale is composed of the following 9 items:

4,8,16,17,22,23,39,43,47

If fewer than 8 of these items were completed don't compute a score. If 11 or more of these items were completed sum the item responses and divide by the number of items completed.

Coparenting-Applicant (CP-A). The CP-A subscale is composed of items 53 through 62. If fewer than 8 of items 53 through 62 were completed don't compute a score. If 8 or more of these items were completed sum the item responses and divide by the number of items completed.

Integrating Foster Children-Applicant (IFC-A). The IFC-A subscale is composed of items 63 through 68. If fewer than 5 of items 63 through 68 were completed don't compute a score. If 5 or more of these items were completed sum the item responses and divide by the number of items completed.

Kinship Care-Applicant (KC-A). The KC-A subscale is composed of items 69 through 74. If fewer than 5 of items 69 through 74 were not completed don't compute a score. If 5 or more of these items were completed sum the item responses and divide by the number of items completed.

How to Determine Percentile Ranks (PR)

Here are the steps for determining percentile ranks. Do this separately for each subscale and for females and males.

Step 1

Compute the subscale means, as described above.

Step 2

Look up each subscale mean in the table at the end of this Appendix to get the percentile rank (PR) for each subscale. For example, for a female with a mean of 3.6260 on the FCD-A subscale the PR is 78, indicating that 78% of the females in the normative sample had a mean score on the FCD-A at or below 3.6260.

A potential problem with percentile ranks occurs when more than one person in the normative sample gets the same mean score. This makes it difficult to rank order people. For example, if 5 people in a sample of 100 have the same score on a measure the percentile rank for these people would fall within a range, say for example from 25 to 30. When this happens compute the mean PR. For example, for a female with mean of 2.6154 on the CC-A subscale the mean percentile rank is computed as follows:

(28 + 29 + 30 + 31 + 32 + 33) / 6 = 30.50

Always consider the lowest and highest percentile rank to best understand a person's percentile ranking. When the range is large percentile ranks should be interpreted more cautiously.

Step 3

Read the brief discussion of percentile ranks in Chapter 2 to understand the uses and misuses of percentile ranks.

CFAI-A Percentile Rank (PR) Look-Up Table (females)

PR	FCD-A	CC-A	WAC-A	CP-A	IFC-A	KC-A
0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1	2.9667	1.3854	1.6667	2.6000	2.1767	2.5000
2	2.9667	1.8462	1.8889	2.7000	2.3333	2.5500
3	3.0000	1.9254	1.8889	2.8000	2.5000	2.6583
4	3.0000	2.0769	2.0000	2.8000	2.5000	2.6667
5	3.0000	2.1538	2.0000	2.8000	2.5000	2.6667
6	3.0020	2.1538	2.1111	2.9000	2.5000	2.6667
7	3.0333	2.1592	2.1111	2.9000	2.6667	2.7583
8	3.0333	2.2308	2.1328	2.9000	2.6667	2.8333
9	3.0333	2.2308	2.2222	2.9000	2.6667	2.8333
10	3.0333	2.2308	2.2222	2.9000	2.6667	2.8333
11	3.0333	2.3077	2.2222	2.9960	2.6667	2.8333
12	3.0667	2.3077	2.2356	3.0000	2.6667	2.8333
13	3.0667	2.3077	2.3333	3.0000	2.6667	2.9083
14	3.0667	2.3113	2.3333	3.0000	2.6667	3.0000
15	3.0667	2.3962	2.3333	3.0000	2.6667	3.0000
16	3.0720	2.4615	2.3333	3.0000	2.6667	3.0000
17	3.1000	2.4615	2.3522	3.0000	2.6667	3.0000
18	3.1000	2.4615	2.4444	3.0000	2.7567	3.0000
19	3.1333	2.4615	2.4444	3.0000	2.8333	3.0000
20	3.1333	2.4692	2.4444	3.0000	2.8333	3.0000
21	3.1333	2.5385	2.4444	3.0000	2.8333	3.0000
22	3.1333	2.5385	2.4444	3.0000	2.8333	3.0000
23	3.1410	2.5385	2.4444	3.0280	2.8333	3.0000
24	3.1667	2.5385	2.4444	3.1000	2.8333	3.0000
25	3.1667	2.5385	2.4444	3.1000	2.8333	3.0000
26	3.1667	2.5385	2.4444	3.1000	2.8333	3.0000
27	3.1667	2.5920	2.4444	3.1000	2.8333	3.0000
28	3.1667	2.6154	2.4756	3.1000	2.8333	3.0000
29	3.2000	2.6154	2.5556	3.1000	2.8333	3.0000
30	3.2000	2.6154	2.5556	3.1000	2.8333	3.0000
31	3.2103	2.6154	2.5556	3.1000	2.8333	3.0000
32	3.2333	2.6154	2.5556	3.2000	2.8333	3.0000
33	3.2333	2.6154	2.5556	3.2000	2.8333	3.0000
34	3.2667	2.6328	2.5556	3.2000	2.8333	3.0000
35	3.2667	2.6923	2.5556	3.2000	3.0000	3.0000
36	3.2667	2.6923	2.6667	3.2000	3.0000	3.0000
37	3.2667	2.6923	2.6667	3.2000	3.0000	3.0000
38	3.2793	2.6923	2.6667	3.2000	3.0000	3.0000

PR	FCD-A	CC-A	WAC-A	CP-A	IFC-A	KC-A
39	3.3000	2.6923	2.6667	3.2000	3.0000	3.0000
40	3.3000	2.6923	2.6667	3.2000	3.0000	3.0000
41	3.3000	2.6923	2.6667	3.2760	3.0000	3.0000
42	3.3333	2.6923	2.6667	3.3000	3.0000	3.0000
43	3.3333	2.7692	2.6667	3.3000	3.0000	3.0000
44	3.3333	2.7692	2.6667	3.3000	3.0000	3.1000
45	3.3333	2.7692	2.6667	3.3000	3.0000	3.1667
46	3.3667	2.7692	2.6667	3.3000	3.0000	3.1667
47	3.3667	2.7692	2.6667	3.3920	3.0000	3.1667
48	3.3667	2.7692	2.6667	3.4000	3.0000	3.1667
49	3.3667	2.7692	2.7075	3.4000	3.0000	3.1667
50	3.4000	2.8013	2.7778	3.4000	3.0000	3.1667
51	3.4000	2.8462	2.7778	3.5000	3.0000	3.1667
52	3.4000	2.8462	2.7778	3.5000	3.0000	3.1667
53	3.4000	2.8462	2.7778	3.5000	3.0000	3.2417
54	3.4333	2.8462	2.7778	3.5000	3.0000	3.3333
55	3.4333	2.8462	2.7778	3.5000	3.0000	3.3333
56	3.4333	2.8462	2.7778	3.5000	3.1667	3.3333
57	3.4588	2.8462	2.7778	3.5000	3.1667	3.3333
58	3.4667	2.8462	2.7778	3.5000	3.1667	3.3333
59	3.4667	2.8462	2.7778	3.5240	3.1667	3.3333
60	3.5000	2.8462	2.7778	3.6000	3.1667	3.3333
61	3.5000	2.9206	2.8889	3.6000	3.1667	3.3333
62	3.5000	2.9231	2.8889	3.6000	3.1667	3.3833
63	3.5109	2.9231	2.8889	3.6000	3.1667	3.4917
64	3.5333	2.9231	2.8889	3.6680	3.1667	3.5000
65	3.5333	2.9231	2.8889	3.7000	3.1667	3.5000
66	3.5333	2.9231	2.8889	3.7000	3.1667	3.5000
67	3.5333	2.9231	2.8889	3.7000	3.1667	3.5000
68	3.5333	2.9231	2.8889	3.7000	3.1667	3.5000
69	3.5333	2.9231	2.8889	3.7000	3.1667	3.5000
70	3.5667	2.9231	2.8889	3.7200	3.1667	3.5000
71	3.5667	3.0000	2.8889	3.8000	3.1667	3.5000
72	3.5667	3.0000	3.0000	3.8000	3.2000	3.5000
73	3.5667	3.0000	3.0000	3.8000	3.3333	3.5000
74	3.5667	3.0000	3.0000	3.8000	3.3333	3.5000
75	3.6000	3.0000	3.0000	3.8000	3.3333	3.5000
76	3.6000	3.0000	3.0000	3.8000	3.3333	3.5000
77	3.6000	3.0000	3.0000	3.8000	3.3333	3.5000
78	3.6260	3.0000	3.0000	3.9000	3.3333	3.5000
79	3.6333	3.0000	3.0000	3.9000	3.3333	3.5000
80	3.6333	3.0000	3.0000	3.9000	3.3333	3.5000
81	3.6333	3.0769	3.0000	3.9000	3.3333	3.5000
82	3.6333	3.0769	3.0911	3.9000	3.3333	3.5500

PR	FCD-A	CC-A	WAC-A	CP-A	IFC-A	KC-A
83	3.6667	3.0769	3.1111	3.9000	3.3333	3.6583
84	3.6667	3.0769	3.1111	3.9000	3.5000	3.6667
85	3.7000	3.0769	3.1111	3.9000	3.5000	3.6667
86	3.7000	3.1538	3.1111	3.9000	3.5000	3.6667
87	3.7000	3.1538	3.1111	3.9000	3.5000	3.6667
88	3.7212	3.1538	3.1111	3.9000	3.5000	3.6667
89	3.7333	3.1538	3.2100	3.9000	3.5000	3.6667
90	3.7333	3.2231	3.2222	4.0000	3.5000	3.7500
91	3.7637	3.2308	3.2222	4.0000	3.6667	3.8333
92	3.7667	3.2308	3.2222	4.0000	3.6667	3.8333
93	3.7977	3.2308	3.3333	4.0000	3.6667	3.9083
94	3.8313	3.2488	3.3333	4.0000	3.6667	4.0000
95	3.8333	3.3077	3.3333	4.0000	3.8333	4.0000
96	3.8667	3.3815	3.4444	4.0000	3.8333	4.0000
97	3.9000	3.4615	3.5556	4.0000	3.8333	4.0000
98	3.9327	3.5385	3.6667	4.0000	4.0000	4.0000
99	3.9667	3.6915	3.7778	4.0000	4.0000	4.0000
100	4.0000	4.0000	4.0000	4.0000	4.0000	4.0000

CFAI-A Percentile Rank (PR) Look-Up Table (males)

PR	FCD-A	CC-A	WAC-A	CP-A	IFC-A	KC-A
0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1	2.6806	2.1631	1.6933	2.2360	2.1817	2.6667
2	2.8747	2.2492	1.9156	2.5240	2.3333	2.6667
3	2.9000	2.3077	2.0400	2.6360	2.3333	2.6667
4	2.9160	2.3077	2.1111	2.7000	2.3933	2.6667
5	2.9333	2.3077	2.1778	2.7600	2.5750	2.6667
6	2.9333	2.3077	2.2222	2.8720	2.6667	2.6667
7	2.9333	2.3077	2.2222	2.9000	2.6667	2.6950
8	2.9653	2.3815	2.2222	2.9000	2.6667	2.7467
9	2.9667	2.3908	2.2311	2.9000	2.6667	2.7983
10	2.9667	2.4615	2.3333	2.9200	2.6667	2.8333
11	2.9667	2.4615	2.3333	3.0000	2.6667	2.8333
12	2.9667	2.4615	2.3333	3.0000	2.6667	2.8333
13	2.9667	2.4615	2.3333	3.0000	2.6667	2.8333
14	2.9893	2.5138	2.3333	3.0000	2.6667	2.8333
15	3.0000	2.5385	2.3333	3.0000	2.6667	2.8333
16	3.0000	2.5385	2.3333	3.0000	2.6667	2.8333
17	3.0000	2.5385	2.4444	3.0000	2.6667	2.8333
18	3.0000	2.5385	2.4444	3.0000	2.6667	2.8333
19	3.0000	2.5385	2.4444	3.0000	2.6667	2.8333
20	3.0000	2.5385	2.4444	3.0000	2.6667	2.8333
21	3.0173	2.5385	2.4444	3.0000	2.6667	2.8333
22	3.0333	2.5385	2.4444	3.0000	2.8300	2.8333
23	3.0333	2.5385	2.4444	3.0000	2.8333	2.8333
24	3.0333	2.6062	2.4444	3.0880	2.8333	2.8333
25	3.0333	2.6154	2.4444	3.1000	2.8333	2.8333
26	3.0333	2.6154	2.5556	3.1000	2.8333	2.8333
27	3.0349	2.6154	2.5556	3.1000	2.8333	2.8333
28	3.0496	2.6154	2.5556	3.1000	2.8333	2.8333
29	3.0667	2.6154	2.5556	3.1000	2.8333	2.8333
30	3.0867	2.6154	2.5556	3.1000	2.8333	2.8333
31	3.1000	2.6154	2.5556	3.1720	2.8333	2.8333
32	3.1000	2.6154	2.5556	3.2000	2.8333	2.8333
33	3.1000	2.6646	2.5556	3.2000	2.8333	2.8717
34	3.1027	2.6687	2.5556	3.2000	2.8333	2.9233
35	3.1333	2.6923	2.5778	3.2000	2.8333	2.9750
36	3.1333	2.6923	2.6667	3.2000	2.8333	3.0000
37	3.1333	2.6923	2.6667	3.2000	2.8333	3.0000
38	3.1520	2.6923	2.6667	3.2000	2.8333	3.0000

PR	FCD-A	CC-A	WAC-A	CP-A	IFC-A	KC-A
39	3.1667	2.6923	2.6667	3.2000	2.9183	3.0000
40	3.1667	2.6923	2.6667	3.2000	3.0000	3.0000
41	3.1973	2.6923	2.6667	3.2920	3.0000	3.0000
42	3.2000	2.6954	2.6667	3.3000	3.0000	3.0000
43	3.2000	2.7692	2.6667	3.3000	3.0000	3.0000
44	3.2000	2.7692	2.6667	3.3000	3.0000	3.0000
45	3.2000	2.7692	2.6667	3.3000	3.0000	3.0000
46	3.2000	2.7692	2.6667	3.3000	3.0000	3.0000
47	3.2000	2.7692	2.6667	3.3000	3.0000	3.0000
48	3.2000	2.7692	2.6667	3.3000	3.0000	3.0000
49	3.2293	2.7692	2.6667	3.3000	3.0000	3.0000
50	3.2333	2.7692	2.6667	3.3000	3.0000	3.0000
51	3.2333	2.7692	2.6800	3.3000	3.0000	3.0000
52	3.2333	2.7877	2.7778	3.3240	3.0000	3.0000
53	3.2333	2.8462	2.7778	3.4000	3.0000	3.0000
54	3.2333	2.8462	2.7778	3.4000	3.0000	3.0000
55	3.2533	2.8462	2.7778	3.4000	3.0000	3.0000
56	3.2667	2.8462	2.7778	3.4000	3.0000	3.0000
57	3.2667	2.8462	2.7778	3.4000	3.0000	3.0000
58	3.2667	2.8462	2.7778	3.4000	3.0000	3.0000
59	3.3000	2.8462	2.7778	3.4080	3.0000	3.0483
60	3.3000	2.8462	2.7778	3.5000	3.0000	3.1000
61	3.3000	2.8462	2.7778	3.5000	3.0000	3.1517
62	3.3000	2.8462	2.7778	3.5000	3.0000	3.1667
63	3.3187	2.8462	2.7778	3.5000	3.0000	3.1667
64	3.3333	2.8985	2.7778	3.5000	3.1267	3.1667
65	3.3333	2.9231	2.7778	3.5000	3.1667	3.1917
66	3.3333	2.9231	2.7778	3.5920	3.1667	3.2433
67	3.3333	2.9231	2.7822	3.6000	3.1667	3.2950
68	3.3352	2.9231	2.8889	3.6000	3.1667	3.3467
69	3.3509	2.9231	2.8889	3.6000	3.1667	3.3983
70	3.3800	2.9231	2.8889	3.6000	3.1667	3.4500
71	3.4000	2.9231	2.8889	3.6000	3.1667	3.5000
72	3.4000	2.9231	2.8889	3.6000	3.1667	3.5000
73	3.4253	2.9231	2.8889	3.6000	3.1667	3.5000
74	3.4333	2.9231	2.8889	3.6880	3.1667	3.5000
75	3.4667	2.9231	2.8889	3.7000	3.1667	3.5000
76	3.4667	3.0000	2.8889	3.8000	3.1667	3.5000
77	3.4747	3.0000	2.8889	3.8000	3.3217	3.5000
78	3.5000	3.0000	2.9289	3.8000	3.3333	3.5300
79	3.5000	3.0000	3.0000	3.8000	3.3333	3.5817
80	3.5000	3.0000	3.0000	3.8000	3.3333	3.6333
81	3.5240	3.0000	3.0000	3.8720	3.3333	3.6667
82	3.5333	3.0000	3.0000	3.9000	3.3333	3.6667

PR	FCD-A	CC-A	WAC-A	CP-A	IFC-A	KC-A
83	3.5333	3.0000	3.0000	3.9000	3.3333	3.6667
84	3.5333	3.0062	3.0000	3.9000	3.3333	3.6733
85	3.5400	3.0769	3.0000	3.9000	3.3333	3.7250
86	3.5667	3.0769	3.0000	3.9000	3.3333	3.7767
87	3.5813	3.0769	3.0489	3.9000	3.3333	3.8283
88	3.6000	3.0769	3.1111	3.9560	3.4867	3.8333
89	3.6227	3.0769	3.1111	4.0000	3.5000	3.8333
90	3.6867	3.0769	3.1111	4.0000	3.5000	3.8333
91	3.7000	3.1477	3.1111	4.0000	3.5000	3.8333
92	3.7667	3.1538	3.2222	4.0000	3.5000	3.8333
93	3.7720	3.1662	3.2222	4.0000	3.5000	3.8333
94	3.8000	3.2308	3.2222	4.0000	3.5000	3.8567
95	3.8000	3.2923	3.2222	4.0000	3.5000	3.9083
96	3.8173	3.3846	3.3378	4.0000	3.6067	3.9600
97	3.8333	3.4831	3.5156	4.0000	3.6667	4.0000
98	3.9093	3.5385	3.7244	4.0000	3.6667	4.0000
99	3.9627	3.9446	3.8756	4.0000	3.8183	4.0000
100	4.0000	4.0000	4.0000	4.0000	4.0000	4.0000