

## Relative Body Mass Index (1957 Yearbook)

Relative Body Mass coded from 1957 Yearbook Photos

### OVERVIEW

In January 2005 and the summer of 2008, teams of six WLS graduate students and interns at the University of Wisconsin-Madison coded the senior yearbook photographs of the participants in the Wisconsin Longitudinal Study (WLS) for "relative body mass" (RBM), a proxy for BMI. For every photograph, coders recorded a RBM score ranging from one to eleven. The RBM scores of individual coders may be used to assess the reliability and validity of the RBM scale and also for latent variable modeling.

### BRIEF VARIABLE DESCRIPTIONS

roundflg Round of coding

-----  
Variables for individual coders:

rbmc1	Relative Body Mass Scores for Coder 1, a 33 year-old male
rbmc2	Relative Body Mass Scores for Coder 2, a 26 year-old male
rbmc3	Relative Body Mass Scores for Coder 3, a 28 year-old female
rbmc4	Relative Body Mass Scores for Coder 4, a 28 year-old female
rbmc5	Relative Body Mass Scores for Coder 5, a 25 year-old female
rbmc6	Relative Body Mass Scores for Coder 6, a 30 year-old male

-----  
Additionally, two indexes of RBM were constructed.

urbmi	Unstandardized relative body mass index. URBMI was created by calculating the mean of the RBM scores for individual coders.
srbmi	Standardized relative body mass index. SRBMI was created to eliminate differences in means and variances between coders that could cause certain coders to have disproportionate influence over URBMI. SRBMI was calculated separately for male and female photos by (1) generating coder-specific z-scores, (2) summing z-scores across coders and (3) dividing the sum of z-scores by the number of coders in the study.

For more details about the January 2005 coding, see COR835 in Appendix M

For more details about the summer 2008 coding, see COR1005F in Appendix M

### roundflg: Round of coding.

Data source: Collected Information    Collected in: 1957    Mode: Not Applicable  
Source variables: none

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	877	821	1698
1	Coded in January of 2005	1406	1621	3027
2	Coded in summer of 2008	2708	2884	5592

**srbmi: Standardized relative body mass index.**

Data source: Collected Information    Collected in: 1957    Mode: Not Applicable  
Source variables: none

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	877	821	1698
-3.31 - -0.66		828	895	1723
-0.66 - -0.23		873	850	1723
-0.23 - 0.15		844	879	1723
0.15 - 0.64		773	950	1723
0.64 - 3.62		796	931	1727

**urbmi: Unstandardized RBM index, mean of RBM scores for individual coders.**

Data source: Collected Information    Collected in: 1957    Mode: Not Applicable  
Source variables: none

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	877	821	1698
1.67 - 5.33		1051	997	2048
5.50 - 6		1020	948	1968
6.17 - 6.67		873	1045	1918
6.83 - 7.83		769	1093	1862
8 - 11		401	422	823

### **rbmc1: Relative Body Mass Scores for Coder 1.**

Data source: Collected Information    Collected in: 1957    Mode: Not Applicable  
 Source variables: none

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	877	821	1698
1		2	14	16
2		21	112	133
3		137	271	408
4		390	427	817
5		641	414	1055
6		1215	1235	2450
7		807	1248	2055
8		540	537	1077
9		288	196	484
10		63	42	105
11		10	9	19

## **rbmc2: Relative Body Mass Scores for Coder 2.**

Data source: Collected Information    Collected in: 1957    Mode: Not Applicable  
Source variables: none

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	877	821	1698
1		1	1	2
2		20	42	62
3		122	197	319
4		435	461	896
5		953	728	1681
6		1237	1288	2525
7		735	1003	1738
8		376	528	904
9		196	216	412
10		35	37	72
11		4	4	8

## **rbmc3: Relative Body Mass Scores for Coder 3.**

Data source: Collected Information    Collected in: 1957    Mode: Not Applicable  
Source variables: none

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	877	821	1698
1		3	2	5
2		8	27	35
3		65	72	137
4		241	234	475
5		759	532	1291
6		902	970	1872
7		952	1526	2478
8		599	608	1207
9		457	447	904
10		96	73	169
11		32	14	46

#### **rbmc4: Relative Body Mass Scores for Coder 4.**

Data source: Collected Information    Collected in: 1957    Mode: Not Applicable  
Source variables: none

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	877	821	1698
1		0	4	4
2		18	21	39
3		69	123	192
4		391	410	801
5		946	515	1461
6		1429	1454	2883
7		574	1105	1679
8		364	564	928
9		226	253	479
10		75	43	118
11		22	13	35

### **rbmc5: Relative Body Mass Scores for Coder 5.**

Data source: Collected Information    Collected in: 1957    Mode: Not Applicable  
 Source variables: none

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	877	821	1698
1		2	5	7
2		19	79	98
3		108	190	298
4		428	463	891
5		877	535	1412
6		1019	1157	2176
7		866	1123	1989
8		508	682	1190
9		196	218	414
10		58	44	102
11		33	9	42

### **rbmc6: Relative Body Mass Scores for Coder 6.**

Data source: Collected Information    Collected in: 1957    Mode: Not Applicable  
Source variables: none

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	877	821	1698
1		1	1	2
2		4	15	19
3		54	57	111
4		229	166	395
5		1049	727	1776
6		1494	1643	3137
7		706	1107	1813
8		384	549	933
9		148	208	356
10		42	31	73
11		3	1	4



## Table of Contents

Relative Body Mass Index (1957 Yearbook)	1
roundflg: Round of coding.	1
srbmi: Standardized relative body mass index.	2
urbmi: Unstandardized RBM index, mean of RBM scores for individual coders.	2
rbmc1: Relative Body Mass Scores for Coder 1.	3
rbmc2: Relative Body Mass Scores for Coder 2.	4
rbmc3: Relative Body Mass Scores for Coder 3.	4
rbmc4: Relative Body Mass Scores for Coder 4.	5
rbmc5: Relative Body Mass Scores for Coder 5.	6
rbmc6: Relative Body Mass Scores for Coder 6.	7