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6	5	4	3	2	* 1	
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1388/4/25 :

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وزن، روش LMSP منحنی‌های صدکی، کودکان، مقادیر مرجع

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Q

6- Box Cox Power Exponential (BCPE)  
7- GAIC  
8- Worm Plot

1- National Center for Health Statistics  
2- Center for Disease Control and Preventive  
3- World Health Organization  
4- Cross sectional  
5- Longitude

who ( ) .(18) .(17 16) R  
 who ( ) GAMLSS  
 10 9 3  
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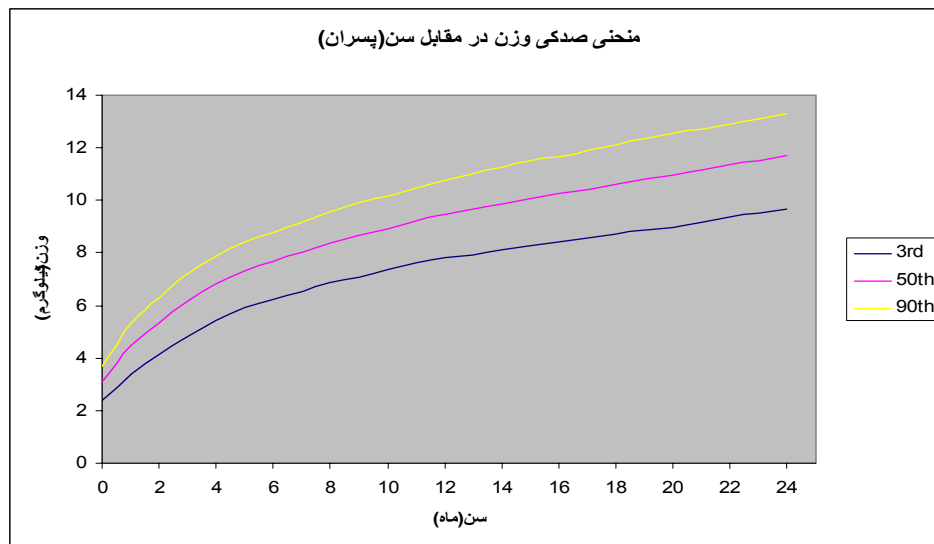
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( )	( )			
(4/6)0/8	(4/8)0/8			<b>0-3</b>
(6/9)0/7	(7/5)0/8			<b>3-7</b>
(7/9)0/9	(8/4)0/9	202	183	<b>7-11</b>
(8/9)0/9	(9/5)0/9	1998	2136	<b>11-15</b>
(9/7)1	(10/3)1	6340	6764	<b>15-19</b>
(10/5)1/1	(11/1)1/1	4821	5119	<b>19-23</b>
(11/1)1/1	(11/7)1/1	3793	3928	<b>23-27</b>
(11/7)1/2	(12/4)1/2	2674	2848	<b>27-31</b>
(12/3)1/2	(12/8)1/2	2365	2328	<b>31-35</b>
(13)1/3	(13/5)1/3	1832	1924	<b>35-39</b>
(13/4)1/3	(14/1)1/4	1398	1413	<b>39-43</b>
(14)1/4	(14/5)1/4	1528	1606	<b>43-47</b>
(14/6)1/5	(15/1)1/6	1231	1198	<b>47-51</b>
(15)1/6	(15/7)1/6	893	914	<b>51-55</b>
(15/8)1/8	(16/4)1/8	1401	1398	<b>55-60</b>
		1169	1146	
		1535	1473	

0-60

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( )	( )	( )	( )
(54/7)2/9	(55/2)3		0-3
(64)3	(65/4)3/2		3-7
(68/6)3/3	201	(70/4)3/3	188
(73/5)3/1	2015	(75)3	2140
(77/3)3/4	6323	(78/7)3/5	5085
(80/6)3/6	4817	(82/1)3/5	5101
(83/9)3/7	3763	(85/2)3/8	3935
(86/7)4/1	2675	(88/1)4/2	2824
(89/4)4/2	2338	(90/5)4/3	2308
(92/1)4/4	1804	(95/7)4/5	1928
(94/8)4/5	1389	(97/3)4/8	1416
(96/6)4/7	1510	(100/3)5	1603
(99/4)5	1229	(102/5)4/8	1196
(101/4)5	891	(105)5/1	917
(104/3)5/1	1390		39-43
	1162		43-47
	1487		47-51
			51-55
			55-60

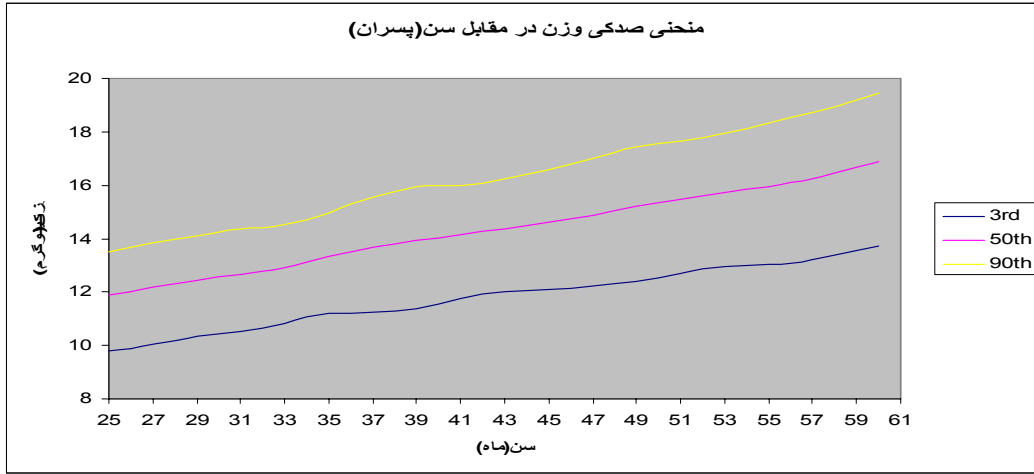


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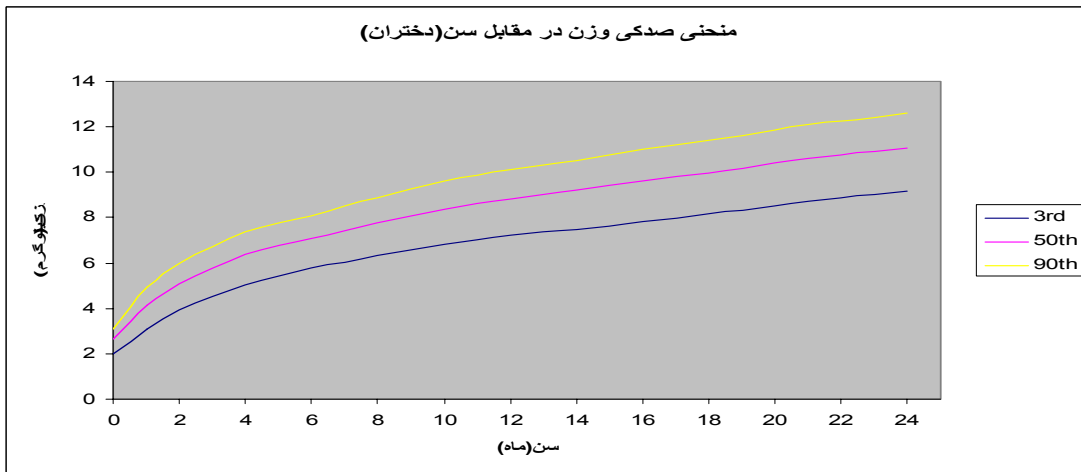
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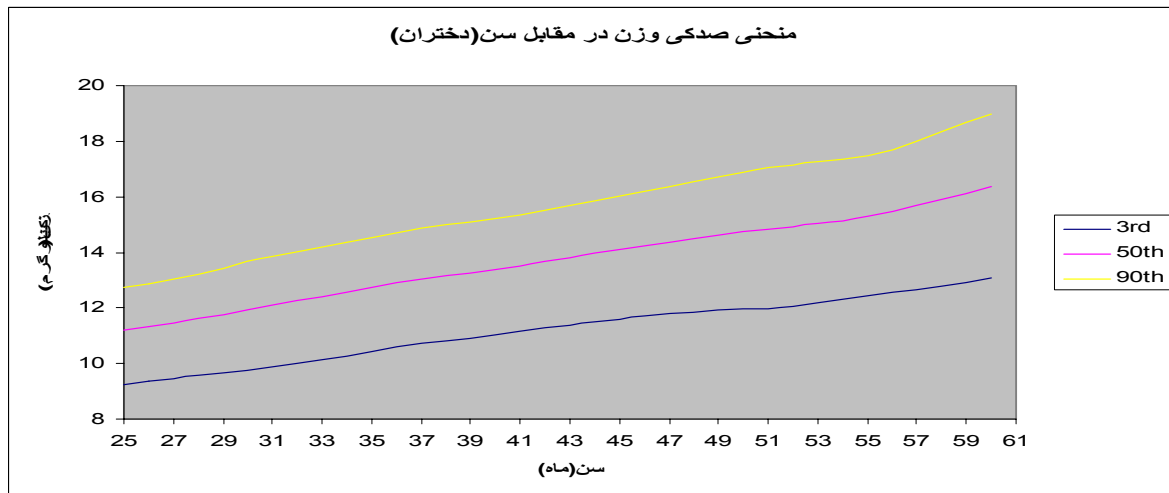
$$BCPE(x = age^{0.7}, df(\mu) = 22, df(\sigma) = 27, df(\nu) = 1, df(\tau) = 1)$$



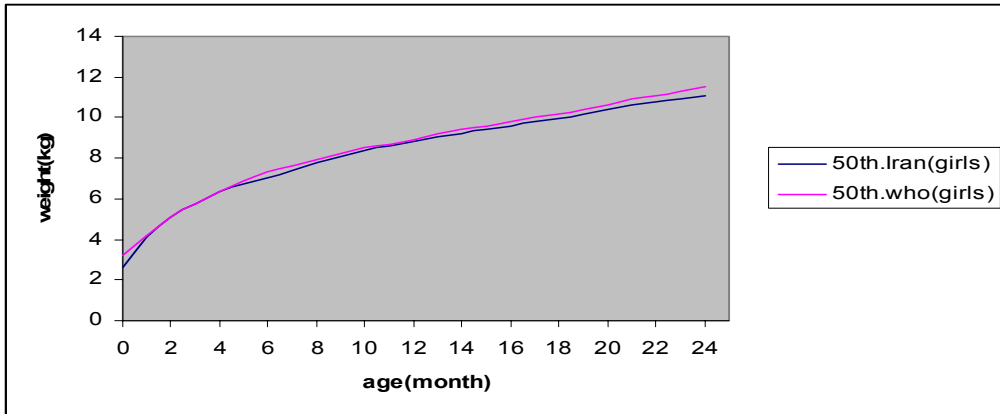
2: ( ) 60 25  
 $BCPE(x = age^{0.7}, df(\mu) = 22, df(\sigma) = 27, df(v) = 1, df(\tau) = 1)$



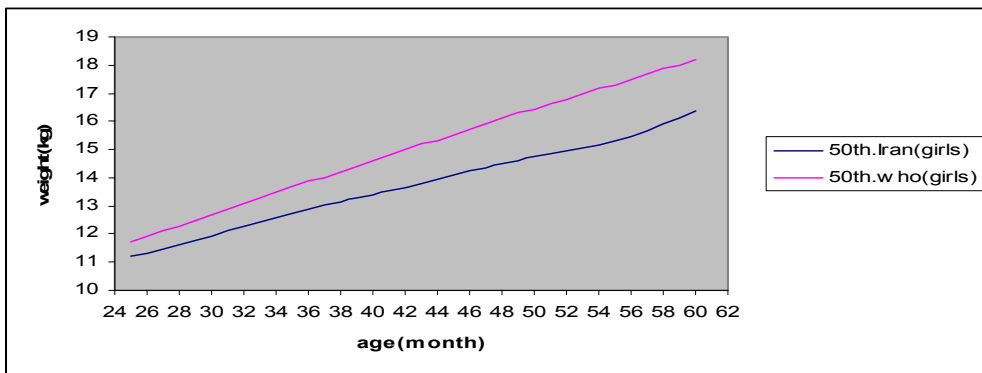
3: ( ) 25  
 $BCPE(x = age^{0.6}, df(\mu) = 22, df(\sigma) = 22, df(v) = 1, df(\tau) = 6)$



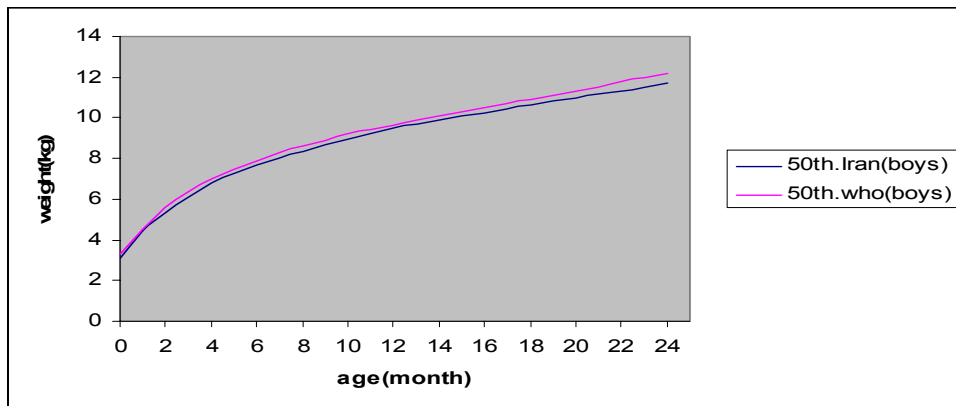
4: ( ) 60 25  
 $BCPE(x = age^{0.6}, df(\mu) = 22, df(\sigma) = 22, df(v) = 1, df(\tau) = 6)$



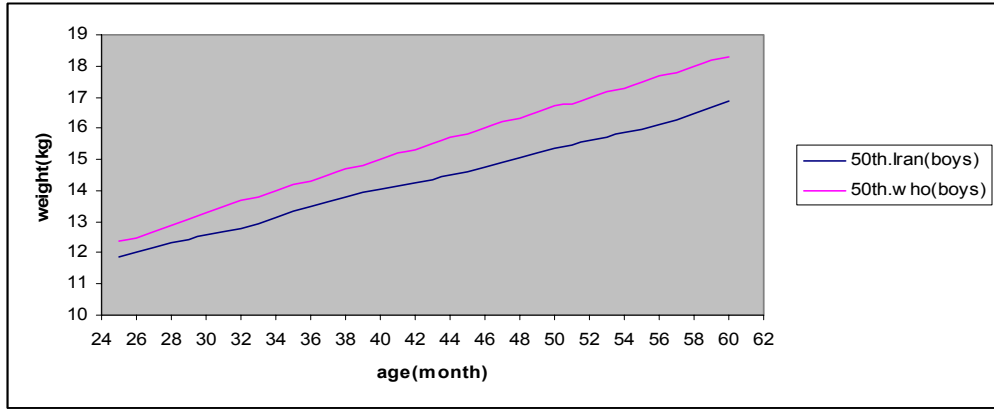
( 25 )who :5



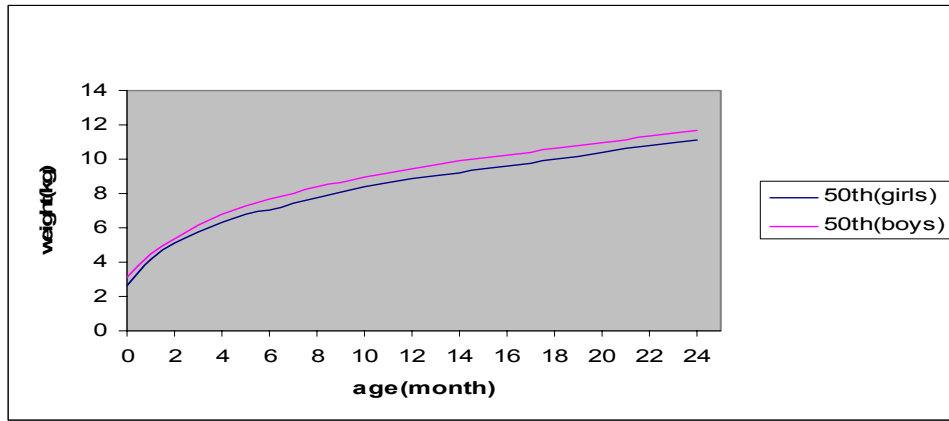
( 60 25 )who :6



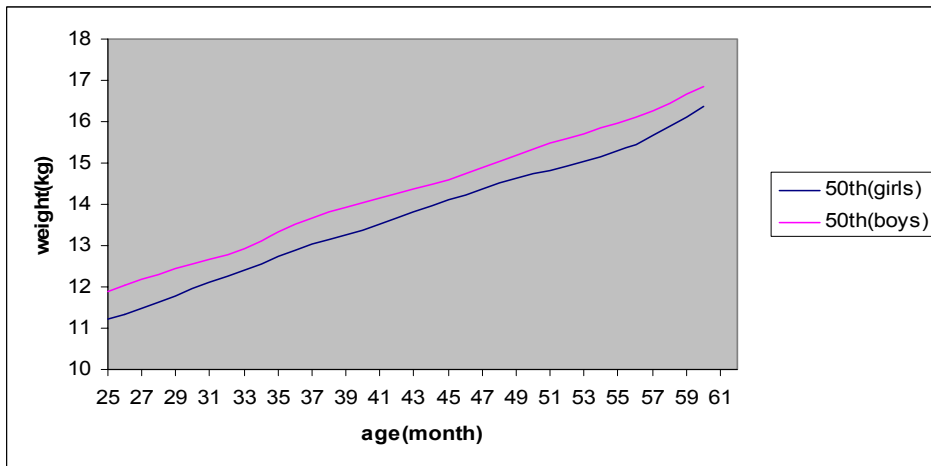
( 25 ) who :7



( 60 25 ) who :8



( 25 ) :9



( 60 25 ) :10

who					:3				
who		who		( )	who		who		( )
12/1	12/9	12/6	13/5	31	2/6	3/2	3/1	3/3	0
12/2	13/1	12/7	13/7	32	4/1	4/2	4/4	4/5	1
12/4	13/3	12/9	13/8	33	5	5/1	5/3	5/6	2
12/5	13/5	13/1	14	34	5/7	5/8	6/1	6/4	3
12/7	13/7	13/3	14/2	35	6/3	6/4	6/8	7	4
12/9	13/9	13/5	14/3	36	6/7	6/9	7/3	7/5	5
13	14	13/6	14/5	37	7	7/3	7/6	7/9	6
13/1	14/2	13/7	14/7	38	7/4	7/6	8	8/3	7
13/2	14/4	13/9	14/8	39	7/7	7/9	8/3	8/6	8
13/3	14/6	14	15	40	8	8/2	8/6	8/9	9
13/5	14/8	14/1	15/2	41	8/3	8/5	8/9	9/2	10
13/6	15	14/2	15/3	42	8/6	8/7	9/1	9/4	11
13/8	15/2	14/3	15/5	43	8/8	8/9	9/4	9/6	12
13/9	15/3	14/4	15/7	44	9	9/2	9/6	9/9	13
14	15/5	14/6	15/8	45	9/1	9/4	9/8	10/1	14
14/2	15/7	14/7	16	46	9/4	9/6	10	10/3	15
14/3	15/9	14/8	16/2	47	9/6	9/8	10/2	10/5	16
14/5	16/1	15	16/3	48	9/7	10	10/4	10/7	17
14/6	16/3	15/1	16/5	49	9/9	10/2	10/6	10/9	18
14/7	16/4	15/3	16/7	50	10/1	10/4	10/8	11/1	19
14/8	16/6	15/4	16/8	51	10/4	10/6	9/10	11/3	20
14/9	16/8	15/5	17	52	10/6	10/9	11/1	11/5	21
15	17	15/7	17/2	53	10/7	11/1	11/3	11/8	22
15/1	17/2	15/8	17/3	54	10/9	11/3	11/5	12	23
15/2	17/3	15/9	17/5	55	11	11/5	11/7	12/2	24
15/4	17/5	16	17/7	56	11/2	11/7	11/8	12/4	25
15/6	17/7	16/2	17/8	57	11/3	11/9	12	12/5	26
15/8	17/9	16/4	18	58	11/4	12/1	12/1	12/7	27
16/1	18	16/6	18/2	59	11/6	12/3	12/3	12/9	28
16/3	18/2	16/8	18/3	60	11/7	12/5	12/4	13/1	29
					11/9	12/7	12/5	13/3	30



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