

## استفاده از بسته‌ی longtable

۶ تیر ۱۳۹۲

در اینجا یک نمونه از استفاده از بسته‌ی longtable برای جدول‌هایی که در یک صفحه جا نمی‌شوند را می‌آورم.

اول جدول هم یک توضیح caption دارم.

در هر صفحه، آخر جدول می‌توان نوشت: ادامه‌ی جدول در صفحه‌ی بعد  
در هر صفحه، اول جدول می‌توان نوشت: ادامه‌ی جدول از صفحه‌ی قبل

جدول ۱: اعدادی از ریاضی

|  |  |   |
|--|--|---|
| $\tilde{X}_1 = (-1, 024, -201, 622)$   | $\tilde{X}_{94} = (2631, 523, 7829)$     | $\tilde{X}_{187} = (-1, 38, -459, 464)$ |
| $\tilde{X}_2 = (-5206, 1742, 869)$     | $\tilde{X}_{95} = (-3596, 441, 2411)$    | $\tilde{X}_{188} = (-795, -365, 066)$   |
| $\tilde{X}_3 = (-1082, 2082, 529)$     | $\tilde{X}_{96} = (176, 6078, 03921)$    | $\tilde{X}_{189} = (-56, -27, -189)$    |
| $\tilde{X}_4 = (-1, 01, -0609, 889)$   | $\tilde{X}_{97} = (-581, 2298, 1, 24)$   | $\tilde{X}_{190} = (-1, 49, -581, 224)$ |
| $\tilde{X}_5 = (5046, 529, 5734)$      | $\tilde{X}_{98} = (3751, 5569, 7287)$    | $\tilde{X}_{191} = (-1, 45, -468, 512)$ |
| $\tilde{X}_6 = (-73, -2915, 147)$      | $\tilde{X}_{99} = (1301, 2929, 6577)$    | $\tilde{X}_{192} = (-1, 06, -62, -18)$  |
| $\tilde{X}_7 = (-669, -287, 0946)$     | $\tilde{X}_{100} = (2126, 458, 6036)$    | $\tilde{X}_{193} = (-78, -67, -554)$    |
| $\tilde{X}_8 = (-7292, 0262, 7917)$    | $\tilde{X}_{101} = (422, 5691, 7052)$    | $\tilde{X}_{194} = (-64, -28, -126)$    |
| $\tilde{X}_9 = (-6146, 1806, 9758)$    | $\tilde{X}_{102} = (-24, 6299, 1, 499)$  | $\tilde{X}_{195} = (-909, -5, -91)$     |
| $\tilde{X}_{10} = (4595, 6464, 8222)$  | $\tilde{X}_{103} = (-2194, 2602, 94)$    | $\tilde{X}_{196} = (-1, 102, -507, 09)$ |
| $\tilde{X}_{11} = (-657, -167, 222)$   | $\tilde{X}_{104} = (1077, 6576, 1, 208)$ | $\tilde{X}_{197} = (-65, -286, -12)$    |
| $\tilde{X}_{12} = (-299, 0468, 4924)$  | $\tilde{X}_{105} = (4275, 582, 7275)$    | $\tilde{X}_{198} = (-1, 02, -426, 177)$ |
| $\tilde{X}_{13} = (-667, -021, 626)$   | $\tilde{X}_{106} = (-87, -017, 826)$     | $\tilde{X}_{199} = (-1, 167, -456, 25)$ |
| $\tilde{X}_{14} = (-1, 19, -482, 226)$ | $\tilde{X}_{107} = (-671, -049, 574)$    | $\tilde{X}_{200} = (-56, -244, -12)$    |
| $\tilde{X}_{15} = (-864, -1097, 65)$   | $\tilde{X}_{108} = (-405, -055, 297)$    | $\tilde{X}_{201} = (-5, -28, -266)$     |
| $\tilde{X}_{16} = (-725, -449, -17)$   | $\tilde{X}_{109} = (-589, -076, 427)$    | $\tilde{X}_{202} = (-767, -47, -17)$    |
| $\tilde{X}_{17} = (-4696, 21, 8898)$   | $\tilde{X}_{110} = (-396, 0058, 408)$    | $\tilde{X}_{203} = (-91, -586, -27)$    |
| $\tilde{X}_{18} = (-877, -22, 4221)$   | $\tilde{X}_{111} = (-062, 0128, 089)$    | $\tilde{X}_{204} = (-1, 01, -58, -157)$ |
| $\tilde{X}_{19} = (-1276, 025, 1876)$  | $\tilde{X}_{112} = (-022, 2065, 446)$    | $\tilde{X}_{205} = (-859, -25, 1569)$   |
| $\tilde{X}_{20} = (-26, -126, -017)$   | $\tilde{X}_{113} = (2584, 2817, 505)$    | $\tilde{X}_{206} = (-79, -702, -62)$    |
| $\tilde{X}_{21} = (-4225, 0759, 574)$  | $\tilde{X}_{114} = (-067, 1167, 301)$    | $\tilde{X}_{207} = (-766, -51, -24)$    |
| $\tilde{X}_{22} = (-1, 11, -15, 8096)$ | $\tilde{X}_{115} = (-292, -052, 188)$    | $\tilde{X}_{208} = (-1, 55, -744, 057)$ |
| $\tilde{X}_{23} = (-2179, 1225, 462)$  | $\tilde{X}_{116} = (-261, 1562, 574)$    | $\tilde{X}_{209} = (-402, -27, -24)$    |
| $\tilde{X}_{24} = (-4005, 1848, 77)$   | $\tilde{X}_{117} = (-0039, 046, 095)$    | $\tilde{X}_{210} = (-1, 22, -292, 527)$ |
| $\tilde{X}_{25} = (2042, 428, 6518)$   | $\tilde{X}_{118} = (-1, 16, -257, 645)$  | $\tilde{X}_{211} = (-1, 48, -75, -02)$  |
| $\tilde{X}_{26} = (-7998, -049, 71)$   | $\tilde{X}_{119} = (-707, 227, 1, 182)$  | $\tilde{X}_{212} = (-1, 24, -75, -27)$  |
| $\tilde{X}_{27} = (-7897, -54, -28)$   | $\tilde{X}_{120} = (-414, 0768, 568)$    | $\tilde{X}_{213} = (-1, 48, -91, -22)$  |
| $\tilde{X}_{28} = (-72, -2099, 296)$   | $\tilde{X}_{121} = (-4555, 024, 522)$    | $\tilde{X}_{214} = (-95, -71, -476)$    |
| $\tilde{X}_{29} = (261, 229, 0377)$    | $\tilde{X}_{122} = (-209, 129, 4665)$    | $\tilde{X}_{215} = (-1, 25, -89, -42)$  |

ادامه در صفحه‌ی بعد

ادامه از صفحه‌ی قبل  
یک متن بالای ستون‌های عنوان هدر جدول می‌نویسم

|  |   |   |
|--|---|---|
| $\tilde{X}_{r0} = (-1, 159, -268, 62)$ | $\tilde{X}_{1r2} = (-8247, 65, 965)$      | $\tilde{X}_{r16} = (-1, 86, -895, 68)$    |
| $\tilde{X}_{r1} = (-719, 24, 1, 1995)$ | $\tilde{X}_{1r3} = (-605, -235, 134)$     | $\tilde{X}_{r17} = (-1, 29, -74, -2)$     |
| $\tilde{X}_{r2} = (-5162, 31, 5782)$   | $\tilde{X}_{1r4} = (-152, -41, 571)$      | $\tilde{X}_{r18} = (-1, 33, -81, -29)$    |
| $\tilde{X}_{r3} = (2206, 2592, 4978)$  | $\tilde{X}_{1r5} = (-8168, -26, 74)$      | $\tilde{X}_{r19} = (-958, -72, -49)$      |
| $\tilde{X}_{r4} = (-639, -49, -241)$   | $\tilde{X}_{1r6} = (-523, -132, 257)$     | $\tilde{X}_{r20} = (-1, 2, -708, -22)$    |
| $\tilde{X}_{r5} = (-302, -49, 208)$    | $\tilde{X}_{1r7} = (1788, 2205, 662)$     | $\tilde{X}_{r21} = (-1, 22, -7, -57)$     |
| $\tilde{X}_{r6} = (-8172, 24, 8642)$   | $\tilde{X}_{1r8} = (-623, -2189, 18)$     | $\tilde{X}_{r22} = (-1, 47, -79, -11)$    |
| $\tilde{X}_{r7} = (541, 795, 496)$     | $\tilde{X}_{1r9} = (-217, -12, -52)$      | $\tilde{X}_{r23} = (-1, 12, -72, -22)$    |
| $\tilde{X}_{r8} = (-4096, 4047, 122)$  | $\tilde{X}_{1r0} = (-21, -178, -5)$       | $\tilde{X}_{r24} = (-1, 11, -74, -28)$    |
| $\tilde{X}_{r9} = (2651, 5068, 7521)$  | $\tilde{X}_{1r1} = (-1, 236, -294, 65)$   | $\tilde{X}_{r25} = (-1, 69, -698, 29)$    |
| $\tilde{X}_{r0} = (-8777, 516, 981)$   | $\tilde{X}_{1r2} = (-1, 504, -48, 91)$    | $\tilde{X}_{r26} = (-75, -72, -679)$      |
| $\tilde{X}_{r1} = (-1879, 162, 5121)$  | $\tilde{X}_{1r3} = (-324, -209, 507)$     | $\tilde{X}_{r27} = (-1, 58, -694, 191)$   |
| $\tilde{X}_{r2} = (0022, 1989, 2955)$  | $\tilde{X}_{1r4} = (2227, 2825, 442)$     | $\tilde{X}_{r28} = (-1, 67, -758, 155)$   |
| $\tilde{X}_{r3} = (2049, 456, 7071)$   | $\tilde{X}_{1r5} = (-297, -62, 172)$      | $\tilde{X}_{r29} = (-1, 55, -759, 37)$    |
| $\tilde{X}_{r4} = (-418, 1979, 8129)$  | $\tilde{X}_{1r6} = (-619, -266, 87)$      | $\tilde{X}_{r30} = (-786, -687, -582)$    |
| $\tilde{X}_{r5} = (-918, 281, 8548)$   | $\tilde{X}_{1r7} = (-4202, 409, 1222)$    | $\tilde{X}_{r31} = (-1, 145, -882, -621)$ |
| $\tilde{X}_{r6} = (-486, -1247, 217)$  | $\tilde{X}_{1r8} = (2922, 3087, 224)$     | $\tilde{X}_{r32} = (-1, 117, -78, -446)$  |
| $\tilde{X}_{r7} = (-647, 184, 145)$    | $\tilde{X}_{1r9} = (-1, 5574, -144)$      | $\tilde{X}_{r33} = (-1, 509, -829, -15)$  |
| $\tilde{X}_{r8} = (-4897, 96, 681)$    | $\tilde{X}_{1r0} = (-70, 5224, -2624)$    | $\tilde{X}_{r34} = (-911, -774, -627)$    |
| $\tilde{X}_{r9} = (595, -457, 504)$    | $\tilde{X}_{1r1} = (-982, -222, 216)$     | $\tilde{X}_{r35} = (-1, 14, -705, 12)$    |
| $\tilde{X}_{00} = (-572, 245, 2624)$   | $\tilde{X}_{1r2} = (-1, 011, -2792, 452)$ | $\tilde{X}_{r36} = (-805, -698, -592)$    |
| $\tilde{X}_{01} = (0171, 3029, 5887)$  | $\tilde{X}_{1r3} = (-846, -198, 445)$     | $\tilde{X}_{r37} = (-1, 47, -81, -1596)$  |
| $\tilde{X}_{02} = (-5009, 256, 14)$    | $\tilde{X}_{1r4} = (-75, -299, 152)$      | $\tilde{X}_{r38} = (-1, 27, -779, -285)$  |
| $\tilde{X}_{03} = (-754, -0001, 754)$  | $\tilde{X}_{1r5} = (-7129, -1669, 28)$    | $\tilde{X}_{r39} = (-1, 52, -741, 38)$    |
| $\tilde{X}_{04} = (081, 4614, 8418)$   | $\tilde{X}_{1r6} = (-472, -1765, 1198)$   | $\tilde{X}_{r40} = (-1, 48, -768, -53)$   |
| $\tilde{X}_{05} = (-25, 216, 8825)$    | $\tilde{X}_{1r7} = (-1, 229, -484, 26)$   | $\tilde{X}_{r41} = (-1, 625, -721, 1726)$ |
| $\tilde{X}_{06} = (118, 1929, 2698)$   | $\tilde{X}_{1r8} = (-616, -428, -229)$    | $\tilde{X}_{r42} = (-1, 619, -725, 166)$  |
| $\tilde{X}_{07} = (2002, 2542, 2082)$  | $\tilde{X}_{1r9} = (-1, 0758, -289, 298)$ | $\tilde{X}_{r43} = (-1, 14, -808, -474)$  |
| $\tilde{X}_{08} = (-2299, 2009, 722)$  | $\tilde{X}_{100} = (-5287, -245, -162)$   | $\tilde{X}_{r44} = (-1, 46, -76, -6224)$  |
| $\tilde{X}_{09} = (-8574, -078, 701)$  | $\tilde{X}_{101} = (-6786, -2101, 558)$   | $\tilde{X}_{r45} = (-1, 08, -88, -6855)$  |
| $\tilde{X}_{10} = (-728, 1964, 112)$   | $\tilde{X}_{102} = (-87, -2477, 2779)$    | $\tilde{X}_{r46} = (-066, -025, -005)$    |
| $\tilde{X}_{11} = (-0258, 941, 224)$   | $\tilde{X}_{103} = (-1, 598, -818, -28)$  | $\tilde{X}_{r47} = (-1, 112, -268, 261)$  |
| $\tilde{X}_{12} = (-5024, 664, 625)$   | $\tilde{X}_{104} = (-417, -226, -256)$    | $\tilde{X}_{r48} = (-976, -476, 242)$     |
| $\tilde{X}_{13} = (-426, 322, 5026)$   | $\tilde{X}_{105} = (-9464, -017, 9124)$   | $\tilde{X}_{r49} = (-778, -298, 182)$     |
| $\tilde{X}_{14} = (1281, 15, 1619)$    | $\tilde{X}_{106} = (-1, 225, -45, 2257)$  | $\tilde{X}_{r50} = (-1, 424, -518, 285)$  |
| $\tilde{X}_{15} = (-462, -1255, 212)$  | $\tilde{X}_{107} = (-562, -0749, 4119)$   | $\tilde{X}_{r51} = (-864, -259, 256)$     |
| $\tilde{X}_{16} = (2686, 4208, 592)$   | $\tilde{X}_{108} = (-62, -1842, 2516)$    | $\tilde{X}_{r52} = (-972, -255, 262)$     |
| $\tilde{X}_{17} = (-4468, 247, 1142)$  | $\tilde{X}_{109} = (-702, -2554, 1914)$   | $\tilde{X}_{r53} = (-701, -158, 018)$     |
| $\tilde{X}_{18} = (-065, 2422, 5574)$  | $\tilde{X}_{110} = (-522, -2158, 905)$    | $\tilde{X}_{r54} = (-842, -026, 769)$     |
| $\tilde{X}_{19} = (-245, 2425, 822)$   | $\tilde{X}_{111} = (-1, 052, -542, -25)$  | $\tilde{X}_{r55} = (-1, 29, -718, -141)$  |
| $\tilde{X}_{20} = (-065, 1002, 2659)$  | $\tilde{X}_{112} = (-777, -266, 2449)$    | $\tilde{X}_{r56} = (-25, -1672, 156)$     |
| $\tilde{X}_{21} = (0252, 6272, 2659)$  | $\tilde{X}_{113} = (-7669, 507, 8682)$    | $\tilde{X}_{r57} = (-75, -512, -2722)$    |
| $\tilde{X}_{22} = (2202, 4822, 2659)$  | $\tilde{X}_{114} = (-1, 026, -2216, 562)$ | $\tilde{X}_{r58} = (-1, 184, -298, 589)$  |
| $\tilde{X}_{23} = (-2424, 411, 2292)$  | $\tilde{X}_{115} = (-886, -2422, 402)$    | $\tilde{X}_{r59} = (-248, -219, -191)$    |
| $\tilde{X}_{24} = (-0202, 669, 7462)$  | $\tilde{X}_{116} = (-766, -2877, -009)$   | $\tilde{X}_{r60} = (-5997, -1098, 28)$    |
| $\tilde{X}_{25} = (-276, 4719, 1065)$  | $\tilde{X}_{117} = (-1, 067, -2558, 556)$ | $\tilde{X}_{r61} = (-469, -2, -122)$      |
| $\tilde{X}_{26} = (-024, 4264, 1258)$  | $\tilde{X}_{118} = (-729, -206, 2264)$    | $\tilde{X}_{r62} = (-922, 456, 1024)$     |
| $\tilde{X}_{27} = (2795, 4622, 122)$   | $\tilde{X}_{119} = (-5208, -17, 1806)$    | $\tilde{X}_{r63} = (-1, 052, -24, 272)$   |
| $\tilde{X}_{28} = (165, 294, 8769)$    | $\tilde{X}_{120} = (-1, 259, -2199, 619)$ | $\tilde{X}_{r64} = (-689, -189, 2119)$    |

ادامه در صفحه‌ی بعد

ادامه از صفحه‌ی قبل  
یک متن بالای ستون‌های عنوان هدر جدول می‌نویسم

|   |   |   |
|---|---|---|
| $\tilde{X}_{۷۹} = (-, ۵۵۳۳, / ۳۶, / ۵۴۷۱)$    | $\tilde{X}_{۱۷۲} = (-, ۱۷, -, ۲۹۴, / ۵۸۱۶)$     | $\tilde{X}_{۲۶۵} = (-, ۵۹۷, -, ۱۲۵۴, / ۳۴۵۷)$ |
| $\tilde{X}_{۸۰} = (/ ۶۶۳۳, / ۸۱۵۷, / ۶۲۳)$    | $\tilde{X}_{۱۷۳} = (-, ۴۲۰۸, / ۱۲۹۴, / ۶۸)$     | $\tilde{X}_{۲۶۶} = (/ ۱۷۴۴, / ۲۳۴, / ۲۹۳۶)$   |
| $\tilde{X}_{۸۱} = (-, ۱۱۸۹, / ۷۰۶۹, / ۲۷۳۳)$  | $\tilde{X}_{۱۷۴} = (-, ۲۹۶, -, ۶۷۳, -, ۵۵۱)$    | $\tilde{X}_{۲۶۷} = (-, ۷۶۶۸, -, ۰۸۴۸, / ۵۹۷)$ |
| $\tilde{X}_{۸۲} = (/ ۰۰۰۱, / ۵۳۸۴, / ۹۶۸۱)$   | $\tilde{X}_{۱۷۵} = (-, ۴۱۹, / ۱۶۸, / ۷۵۵)$      | $\tilde{X}_{۲۶۸} = (-, ۲۳۲, -, ۱۸۹, -, ۱۴۷)$  |
| $\tilde{X}_{۸۳} = (-, ۶۵۳, / ۶۴۲۹, / ۱, ۵۳)$  | $\tilde{X}_{۱۷۶} = (-, ۶۶, -, ۴۵۷۸, -, ۲۵۰۱)$   | $\tilde{X}_{۲۶۹} = (-, ۴۶۸, -, ۳۹۷, -, ۳۲۶)$  |
| $\tilde{X}_{۸۴} = (/ ۳۱۳۶, / ۳۹۱۸, / ۰, ۷۶۷)$ | $\tilde{X}_{۱۷۷} = (-, ۶۷۶, -, ۳۷۵, -, ۰۷۴)$    | $\tilde{X}_{۲۷۰} = (-, ۰۴۷, -, ۵۹, -, ۰۰۴)$   |
| $\tilde{X}_{۸۵} = (/ ۰۳۵۲, / ۴۷۷۹, / ۱, ۳۳۹)$ | $\tilde{X}_{۱۷۸} = (-, ۱۸۸, -, ۷۰۸, -, ۲۳۸)$    | $\tilde{X}_{۲۷۱} = (/ ۰۰۱۸, / ۰۹۸۵, / ۱۹۵۲)$  |
| $\tilde{X}_{۸۶} = (/ ۴۹۲۲, / ۵۹۸۹, / ۴۷)$     | $\tilde{X}_{۱۷۹} = (-, ۳۷۹, -, ۵۷۴, / ۳۰۹۵)$    | $\tilde{X}_{۲۷۲} = (-, ۱۸, -, ۳۶۳۳, / ۴۵۴۸)$  |
| $\tilde{X}_{۸۷} = (-, ۶۲۸, / ۳۳۳۵, / ۹۲۰۶)$   | $\tilde{X}_{۱۸۰} = (/ ۳۰۹۵, -, ۵۳۵, -, ۱, ۳۷۹)$ | $\tilde{X}_{۲۷۳} = (-, ۰۴۸, -, ۲۳۱, / ۵۸۶۹)$  |
| $\tilde{X}_{۸۸} = (/ ۲۰۴۲, / ۲۰۸۸, / ۷۰۵۶)$   | $\tilde{X}_{۱۸۱} = (-, ۶۴۲, -, ۴۴۷, -, ۲۵۲)$    | $\tilde{X}_{۲۷۴} = (-, ۸۶۶۸, -, ۱۴۴, / ۵۷۸)$  |
| $\tilde{X}_{۸۹} = (-, ۴۶, / ۳۱۸۹, / ۱, ۲۹۵)$  | $\tilde{X}_{۱۸۲} = (-, ۹۳۵, -, ۷۰۹, -, ۴۸۳)$    | $\tilde{X}_{۲۷۵} = (-, ۳۷۸, -, ۲۲۸, -, ۰۷۹)$  |
| $\tilde{X}_{۹۰} = (-, ۲۷۵۶, / ۵۴۲, / ۲۱۳۴)$   | $\tilde{X}_{۱۸۳} = (-, ۶۱۱۷, -, ۴۴, -, ۲۷۰۲)$   | $\tilde{X}_{۲۷۶} = (-, ۰۷۹, -, ۴۱۹۶, / ۲۴)$   |
| $\tilde{X}_{۹۱} = (-, ۳۱۹۸, / ۵۴۹, / ۰, ۹۴)$  | $\tilde{X}_{۱۸۴} = (-, ۸۷۹, -, ۶۵۱۶, -, ۴۲۴)$   | $\tilde{X}_{۲۷۷} = (-, ۸۵۶۳, -, ۳۳۷۷, / ۱۸۱)$ |
| $\tilde{X}_{۹۲} = (/ ۴۷۳۱, / ۵۵۶۵, / ۱, ۴۱۸)$ | $\tilde{X}_{۱۸۵} = (-, ۹۲۷, -, ۴۹۱۷, -, ۰۵۶)$   | $\tilde{X}_{۲۷۸} = (-, ۲۴۶, -, ۲۷, / ۶۹۹۶)$   |
| $\tilde{X}_{۹۳} = (/ ۰۸۳۹, / ۴۸۳۷, / ۶۴۰۹)$   | $\tilde{X}_{۱۸۶} = (-, ۷۲۹۶, -, ۴۱۸, -, ۱۰۷)$   | $\tilde{X}_{۲۷۹} = (-, ۶۲۱۷, / ۰۲۷۳, / ۶۷۶۳)$ |
|   |   | $\tilde{X}_{۲۸۰} = (-, ۲۱۱, -, ۴۱۱, / ۳۸۸۹)$  |