80nferroni New Perspectives in Multiple Testing 80 Years After Bonferroni

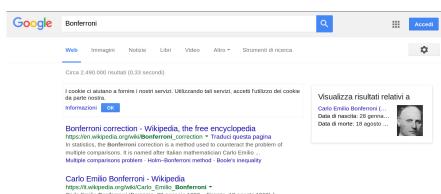
Livio Finos, Florian Klinglmueller, Aldo Solari

Department of statistical sciences
Department of Developmental Psychology and Socialization

UniPD - 09/10/15



Web search



Carlo Emilio Bonferroni (Bergamo, 28 gennaio 1892 - Firenze, 18 agosto 1960) è

stato un matematico italiano, noto soprattutto per le disuquaglianze che ...

7.4.7.3 Bonferroni's method

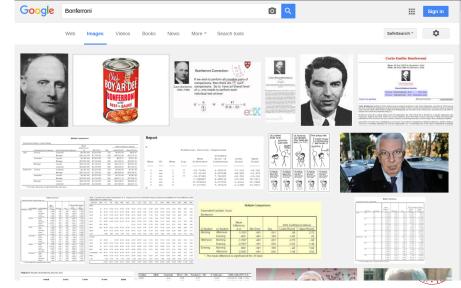
www.itl.nist.gov/div898/handbook/.../prc473.htm ▼ Traduci guesta pagina Simple method. The Bonferroni method is a simple method that allows many comparison statements to be made (or confidence intervals to be constructed) while ...

Bonferroni Correction -- from Wolfram MathWorld

mathworld.wolfram.com > ... > Statistical Tests ▼ Traduci guesta pagina The Bonferroni correction is a multiple-comparison correction used when several dependent or independent statistical tests are being performed simultaneously ...



Search for Images



Search for Images







WE FOUND NO LINK BETWEEN PURPLE JELLY BEANS AND ACNE (P>0.05).



WE FOUND NO LINK BETWEEN BROWN JELLY BEANS AND ACNE (P > 0.05).



WE FOUND NO LINK BETWEEN PINK JELLY BEANS AND ACNE (P>0.05)



WE FOUND NO LINK BETWEEN BLUE JELLY BEANS AND ACNE (P > 0.05),



WE FOUND NO LINK BETWEEN TEAL JELLY BEANS AND ACNE (P > 0.05).



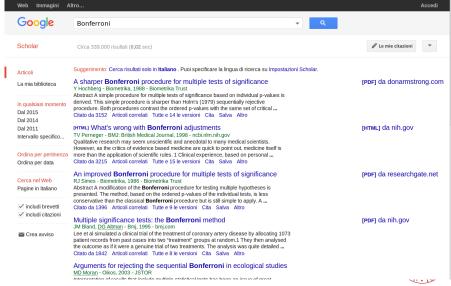


(minimal) Bibliography

- Born: 28 January 1892, Bergamo
- Died: 18 August 1960, Firenze
- Studied conducting and piano at the Conservatory in Torino
- Degree of laurea in Torino under Peano and Segre,
- Abroad (Wien and Zürich) and
- Assistant professor at the Polytechnic in Torino.
- He served in the 1914-18 war in the engineers.
- 1923: chair of financial mathematics at the Economics Institute in Bari.
- 1933: Firenze, where he held his chair until his death.

Documentation: Wiki, Michael Dewey, Corrado Crocetta

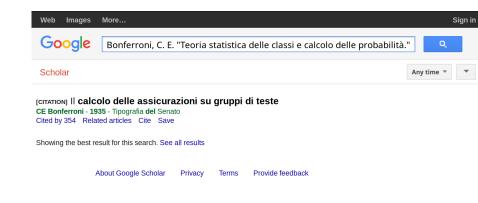


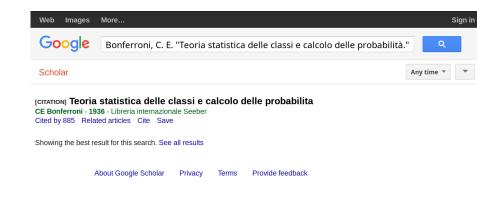


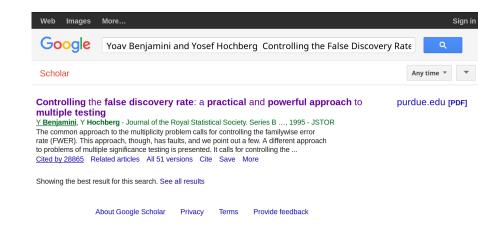
The Two publications we had in mind

- Bonferroni, C. E. 'Il calcolo delle assicurazioni su gruppi di teste'. In Studi in Onore del Professore Salvatore Ortu Carboni. Rome: Italy, pp. 13-60, 1935.
- Bonferroni, C. E. 'Teoria statistica delle classi e calcolo delle probabilità'. *Pubblicazioni del R Istituto Superiore di Scienze Economiche e Commerciali di Firenze* 8, 3-62, 1936.









Bonferroni Inequalities

Frist citations of Bonferroni Inequalities

- Fréchet (1940)
- Paulson (1952)
- Feller (1968)

Bonferroni Correction use Bonferroni Inequalities and is due to Dunn (1959)



Then?

- We know few about his life
- His works are exentially unknown
- He didn't invented his method

Then?

- We know few about his life
- His works are exentially unknown
- He didn't invented his method

BUT

- Everyone know and use the Bonferroni Method (and Inequalities)
- Everyone compare to this methods
- His works shed a light on the problem of multiple testing



Then?

- We know few about his life
- His works are exentially unknown
- He didn't invented his method

BUT

- Everyone know and use the Bonferroni Method (and Inequalities)
- Everyone compare to this methods
- His works shed a light on the problem of multiple testing

We celebrate an Idea more than a Person



You

- About 60 people
- 50% from abroad
- 25% not accademic
- 20% students
- Among Padua partecipants:
 50% from other departments or research institutions
- Among Visitors:
 - Eurac (BZ): 7
 - University of Ljubljana: 4
 - University of Firenze: 3
 - Molise + Macearta + Avellino + Milano + Torino: 6

