

Foundations Of Predictive Analytics Author James Wu Mar 2012

Matilda effect

Yang, predicted the violation of the parity law in weak interactions and suggested a possible experiment to verify it. In 1957, Chien-Shiung Wu performed

The Matilda effect is a bias against acknowledging the achievements of women scientists and inventors, whose work is consequently attributed to their male colleagues. This phenomenon was first described by suffragist and abolitionist Matilda Joselyn Gage (1826–1898) in her essay, "Woman as Inventor" (first published as a tract in 1870 and later published in the North American Review, retitled "Woman as an Inventor", in 1883). The term Matilda effect was coined in 1993 by science historian Margaret W. Rossiter.

Rossiter provides several examples of this effect. Trotula (Trota of Salerno), a 12th-century Italian woman physician, wrote books which, after her death, were attributed to male authors. Nineteenth- and twentieth-century cases illustrating the Matilda effect include those of Nettie...

Women in climate change

lead author for Chapter 24 on Asia of the IPCC Fifth Assessment Report, Lead Author for the IPCC AR5 Synthesis Report and a Review Editor for the 2012 IPCC

The contributions of women in climate change have received increasing attention in the early 21st century. Feedback from women and the issues faced by women have been described as "imperative" by the United Nations and "critical" by the Population Reference Bureau. A report by the World Health Organization concluded that incorporating gender-based analysis would "provide more effective climate change mitigation and adaptation."

Many studies have documented the gender gap in science and investigated why women are not included or represented, particularly at higher levels of research. Despite significant progress, female scientists continue to endure discrimination, unequal pay, and funding inequities, according to a special report published in the journal Nature in 2013. It also states that...

History of science

conservation of energy, age of Earth, and evolution came into focus. And in the 20th century, new discoveries in genetics and physics laid the foundations for

The history of science covers the development of science from ancient times to the present. It encompasses all three major branches of science: natural, social, and formal. Protoscience, early sciences, and natural philosophies such as alchemy and astrology that existed during the Bronze Age, Iron Age, classical antiquity and the Middle Ages, declined during the early modern period after the establishment of formal disciplines of science in the Age of Enlightenment.

The earliest roots of scientific thinking and practice can be traced to Ancient Egypt and Mesopotamia during the 3rd and 2nd millennia BCE. These civilizations' contributions to mathematics, astronomy, and medicine influenced later Greek natural philosophy of classical antiquity, wherein formal attempts were made to provide explanations...

Timeline of women in science

effective drugs for the treatment of gout. 1950: Chinese-American particle physicist Chien-Shiung Wu proved the validity of Quantum entanglement which counters

This is a timeline of women in science, spanning from ancient history up to the 21st century. While the timeline primarily focuses on women involved with natural sciences such as astronomy, biology, chemistry and physics, it also includes women from the social sciences (e.g. sociology, psychology) and the formal sciences (e.g. mathematics, computer science), as well as notable science educators and medical scientists. The chronological events listed in the timeline relate to both scientific achievements and gender equality within the sciences.

Periodic table

of the Periodic Table of the Elements ". *Foundations of Chemistry*. 7 (3): 235-239. doi:10.1007/s10698-005-2141-y. S2CID 93589189. Scerri, Eric (2012)

The periodic table, also known as the periodic table of the elements, is an ordered arrangement of the chemical elements into rows ("periods") and columns ("groups"). An icon of chemistry, the periodic table is widely used in physics and other sciences. It is a depiction of the periodic law, which states that when the elements are arranged in order of their atomic numbers an approximate recurrence of their properties is evident. The table is divided into four roughly rectangular areas called blocks. Elements in the same group tend to show similar chemical characteristics.

Vertical, horizontal and diagonal trends characterize the periodic table. Metallic character increases going down a group and from right to left across a period. Nonmetallic character increases going from the bottom left of...

Metamaterial

conceptions- negative-index medium, non-reflecting crystal and superlens are foundations of the metamaterial theory. Other first principles techniques for analyzing

A metamaterial (from the Greek word μετά meta, meaning "beyond" or "after", and the Latin word materia, meaning "matter" or "material") is a type of material engineered to have a property, typically rarely observed in naturally occurring materials, that is derived not from the properties of the base materials but from their newly designed structures. Metamaterials are usually fashioned from multiple materials, such as metals and plastics, and are usually arranged in repeating patterns, at scales that are smaller than the wavelengths of the phenomena they influence. Their precise shape, geometry, size, orientation, and arrangement give them their "smart" properties of manipulating electromagnetic, acoustic, or even seismic waves: by blocking, absorbing, enhancing, or bending waves, to achieve...

Consumer behaviour

into the complexities of consumer behavior, incorporating innovative approaches such as neuroimaging studies and big data analytics. These modern tools

Consumer behaviour is the study of individuals, groups, or organisations and all activities associated with the purchase, use and

disposal of goods and services. It encompasses how the consumer's emotions, attitudes, and preferences affect buying behaviour, and how external cues—such as visual prompts, auditory signals, or tactile (haptic) feedback—can shape those responses. Consumer behaviour emerged in the 1940–1950s as a distinct sub-discipline of marketing, but has become an interdisciplinary social science that blends elements from psychology, sociology, social anthropology, anthropology, ethnography, ethnology, marketing, and economics (especially behavioural economics).

The study of consumer behaviour formally investigates individual qualities such as demographics, personality lifestyles...

Trumpism

(eds.). *Democracy, Populism, and Truth. AMINTAPHIL: The Philosophical Foundations of Law and Justice. Vol. 9. Springer. pp. 115–126.*
doi:10.1007/978-3-030-43424-3_9

Trumpism is the ideology of U.S. president Donald Trump and his political base. It is commonly used in close conjunction with the Make America Great Again (MAGA) and America First political movements. It comprises ideologies such as right-wing populism, right-wing antiglobalism, national conservatism, neo-nationalism, and features significant illiberal, authoritarian and at times autocratic beliefs. Trumpists and Trumpians are terms that refer to individuals exhibiting its characteristics. There is significant academic debate over the prevalence of neo-fascist elements of Trumpism.

Trumpism has authoritarian leanings and is associated with the belief that the president is above the rule of law. It has been referred to as an American political variant of the far-right and the national-populist...

History of sociology

teachings there. With the lack of sociological theory being taught at the University of Chicago paired with the new foundations of statistical methods, the

Sociology as a scholarly discipline emerged, primarily out of Enlightenment thought, as a positivist science of society shortly after the French Revolution. Its genesis owed to various key movements in the philosophy of science and the philosophy of knowledge, arising in reaction to such issues as modernity, capitalism, urbanization, rationalization, secularization, colonization and imperialism.

During its nascent stages, within the late 19th century, sociological deliberations took particular interest in the emergence of the modern nation state, including its constituent institutions, units of socialization, and its means of surveillance. As such, an emphasis on the concept of modernity, rather than the Enlightenment, often distinguishes sociological discourse from that of classical political...

List of Japanese inventions and discoveries

(SACD) format. Linear predictive coding (LPC) — The origins of linear predictive coding (LPC) speech coding dates back to the work of Fumitada Itakura (Nagoya

This is a list of Japanese inventions and discoveries. Japanese pioneers have made contributions across a number of scientific, technological and art domains. In particular, Japan has played a crucial role in the digital revolution since the 20th century, with many modern revolutionary and widespread technologies in fields such as electronics and robotics introduced by Japanese inventors and entrepreneurs.

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