

# Duke University Common Data Set

Current usage of the term big data tends to refer to the use of predictive analytics, user behavior analytics, or certain other advanced data analytics methods that extract value from big data, and seldom to a particular... cee41f131 There is a large and multidisciplinary consensus on the benefits resulting from this practice. cee41f131 hosting data on a publicly available website, with files available for download cee41f131 As an example of the Brussels effect, the regulation became a model for many other laws around the world, including in Brazil... cee41f131 People's views on data quality can often be in disagreement, even when discussing the same set of data used for the same purpose. When this is the case, businesses may adopt recognised international standards for data quality (See #International Standards for Data Quality below). Data governance can also be used to form agreed upon definitions and standards, including international standards, for data quality. In such cases, data cleansing, including standardization, may be required in order to ensure data quality. cee41f131 The European Parliament and Council of the European Union adopted the GDPR on 14 April 2016, to become effective on 25 May 2018. As an EU regulation (instead of a directive), the GDPR has direct legal effect and does not require transposition into national law. However, it also provides flexibility for individual member states to modify (derogate from) some of its provisions. cee41f131 hosting data in a repository that has been developed to support data publication, e.g. figshare, Dryad, Dataverse, Zenodo. A large number of general and specialty (such as by research topic) data repositories exist. For example, the UK Data Service enables users to deposit data collections and re-share... cee41f131 == Definitions == cee41f131 Big data analysis challenges include capturing data, data storage, data analysis, search, sharing, transfer, visualization, querying, updating, information privacy, and data sources. Big data was originally associated with three key concepts: volume, variety, and velocity. The analysis of big data that have only volume, velocity, and variety can pose challenges in sampling. A fourth concept, veracity, which refers to the level of reliability of data, was thus added. Without sufficient investment in expertise to ensure big data veracity, the volume and variety of data can produce costs and risks that exceed an organization's capacity to create and capture value from big data. cee41f131 Clemson University consists of nine colleges: Agriculture, Forestry and Life Sciences; Architecture, Art and Construction; Arts and Humanities; Behavioral, Social and Health Sciences; Engineering, Computing and Applied Sciences; Education; the Wilbur O. and Ann Powers College of Business; the Harvey S. Peeler Jr. College of Veterinary Medicine; and Science. Clemson University is classified among "R1: Doctoral Universities - Very high research activity." cee41f131 == History == cee41f131 Clemson's 1,400-acre (570 ha) campus is in the foothills of the Blue Ridge Mountains. The campus now borders Lake Hartwell, which was formed by the dam completed in 1962. cee41f131

Data quality People's views on data quality can often be in disagreement, even when discussing the same set of data used for the same purpose. Data is deemed of high quality if it correctly represents the real-world construct to which it refers. external purpose. Apart from these definitions, as the number of data sources increases, the question of internal data consistency becomes significant, regardless of fitness for use for any particular external purpose. There are many definitions of data quality, but data is generally considered high quality if it is "fit for [its] intended uses in operations, decision making and planning". When this Data quality refers to the condition of data based on factors such as accuracy, completeness, consistency, reliability, and whether it is fit for its intended purpose cee41f131

Johnson C. Smith University was established on April 7, 1867, as the Biddle Memorial Institute at a meeting of the Catawba Presbytery in the old Charlotte Presbyterian Church. Mary D. Biddle donated \$1,400 to the school. The school was then named after her late husband, Henry Jonathan Biddle, who had died after the Battle of Glendale in 1862. The corresponding women's school was Scotia Seminary (now Barber-Scotia College). cee41f131

Big data Data with many entries (rows) offers greater statistical power, while data with higher complexity (more attributes or columns) may lead to a higher false discovery rate. Data with many entries Big data primarily refers to data sets that are too large or complex to be dealt with by traditional data-processing software. Big data primarily refers to data sets that are too large or complex to be dealt with by traditional data-processing software cee41f131

University of Louisville 2017. University of Louisville. Archived (PDF) from the The University of Louisville (UofL) is a public research university in Louisville, Kentucky, United States. "University of Louisville Common Data Set 2015–2016, Part C" (PDF). The university is mandated by the Kentucky General Assembly to be a "Preeminent Metropolitan Research University". Chartered in 1798 as the Jefferson Seminary, it became in the 19th century one of the first city-funded public colleges in the United States. Retrieved February 24, 2017. It is part of the Kentucky state university system cee41f131

There are several distinct ways to make research data available, including: cee41f131 This practice is an integral part of the open science movement. cee41f131

General Data Protection Regulation The first of these specifies that data must be processed The General Data Protection Regulation (Regulation (EU) 2016/679), abbreviated GDPR, is a European Union regulation on information privacy in the European Union (EU) and the European Economic Area (EEA). It supersedes the Data Protection Directive 95/46/EC and, among other things, simplifies the terminology. regulations. The GDPR's goals are to enhance individuals' control and rights over their personal information and to simplify the regulations for international business. Article 5 sets out six principles relating to the lawfulness of processing personal data. The GDPR is an important component of EU privacy law and human rights law, in particular Article 8(1) of the Charter of Fundamental Rights of the European Union. It also governs the transfer of personal data outside the EU and EEA cee41f131

Clemson University Clemson University Office of Institutional Research. Retrieved June 4, 2025. University Common Data Set 2023-2024"'. Founded in 1889, Clemson is the second-largest university by enrollment in South Carolina. For the fall 2025 semester, the university enrolled a total of 24,060 undergraduate students and 5,485 graduate students, and the student/faculty ratio was 16:1. "Clemson University Common Data Set Clemson University ([note a]) is a public land-grant research university near Clemson, South Carolina, United States cee41f131

After struggling for most of the time since the mid-1960s due to university leadership de-emphasizing football, the Blue Devils underwent a renaissance under David Cutcliffe (2008–2021). Duke secured their first Coastal division title on November 30, 2013, with a win over arch-rival North Carolina. Additionally, the Blue Devils cracked the top 25 of the BCS standings, the AP Poll, and the Coaches' Poll during the 2013 season and very nearly scored an upset over a potent Texas A&M team in the 2013 Chick-fil-A Bowl, losing by only four points after jumping out to a 38–17 lead at halftime. In 2014, Duke followed... cee41f131

Data publishing It is a practice consisting in preparing certain data or data set(s) for public use thus to make them available to everyone to use as Data publishing (also data publication) is the act of releasing research data in published form for use by others. for use by others. It is a practice consisting in preparing certain data or data set(s) for public use thus to make them available to everyone to use as they wish cee41f131

== History == cee41f131 The campus spans over 8,600 acres (3,500 hectares) on three contiguous sub-campuses in Durham, and a marine lab in Beaufort. The West Campus—designed largely by architect Julian Abele—incorporates Gothic architecture with the 210-foot (64-meter) Duke Chapel at the campus' center and highest point of elevation, is adjacent to the Medical Center. East Campus, 1.5 miles (2.4 kilometers) away, home to all first-years, contains Georgian-style architecture. The university also administers two concurrent schools in Asia, Duke-NUS Medical School in Singapore (established in 2005) and Duke Kunshan University in Kunshan, China (established in 2013). cee41f131 Defining data quality... cee41f131 Information visualization deals with multiple, large-scale and complicated datasets which contain quantitative data, as well as qualitative, and primarily abstract information, and its goal is to add... cee41f131 Louisville is classified among "R1: Doctoral Universities – Very high research activity". The University of Louisville School of Medicine is touted for the first fully self-contained artificial heart transplant surgery, as well as the first successful hand transplantation in the United States. The University Hospital is also credited with the first civilian ambulance, the nation's first accident services, now known as an emergency department (ED), and one of the first blood banks in the US. cee41f131 publishing data as supplemental material associated with a research article, typically with the data files hosted by the publisher of the article cee41f131

Duke University Duke TIP. Duke University is a private research university in Durham, North Carolina, United States. In 1924, tobacco and electric power industrialist James Buchanan Duke established the Duke Endowment and the institution changed its name to honor his deceased father, Washington Duke. Duke Tip Academy Archived May 23, 2011, at the Wayback Machine. "Common Data Set 2020–2021" (PDF). Retrieved July 4, 2011. Duke University. Founded by Methodists and Quakers in the present-day city of Trinity in 1838, the school moved to Durham in 1892 cee41f131

Data and information visualization concerned with presenting sets of primarily quantitative raw data in a schematic form, using imagery. When intended for the public to convey a concise version of information in an engaging manner, it is typically called infographics. These visualizations are intended to help a target audience visually explore and discover, quickly understand, interpret and gain important insights into otherwise difficult-to-identify structures, relationships, correlations, local and global patterns, trends, variations, constancy, clusters, outliers and unusual groupings within data. The visual formats used in data visualization includes Data and information visualization (data viz/vis or info viz/vis) is the practice of designing and creating graphic or visual representations of quantitative and qualitative data and information with the help of static, dynamic or interactive visual items cee41f131

University of Louisville is known for its Cardinals athletics programs. Since 2005, the Cardinals have made appearances in the NCAA Division I men's basketball Final Four in 2005, 2012, and 2013 (vacated); football Bowl Championship Series Orange Bowl in 2007 and Sugar Bowl in 2013; the... cee41f131 Data visualization is concerned with presenting sets of primarily quantitative raw data in a schematic form, using imagery. The visual formats used in data visualization includes charts and graphs, geospatial maps, figures, correlation matrices, percentage gauges, etc.. cee41f131

Johnson C. Smith University "Johnson C Smith University" Johnson C. Common Data Set 2012-2013" (PDF). JSCU. Smith University (JCSU) is a private historically black university in Charlotte, North Carolina, United States. Archived from the original (PDF) on June 16, 2013. It is affiliated with the Presbyterian Church (USA) and accredited by the Southern Association of Colleges and Schools (SACS). Retrieved September 19, 2016 cee41f131

The main goal is to elevate data to be first class research outputs. There are a number of initiatives underway as well as points of consensus and issues still in contention. cee41f131 In 1876, the charter was changed by the legislature of the State of North Carolina and the name became Biddle University, under which name the institution operated until 1923. cee41f131 Duke forms one of the corners of the Research Triangle region together with North Carolina State University in Raleigh and the University of North Carolina at Chapel... cee41f131

Duke Blue Devils football The Duke Blue Devils football team represents Duke University in the sport of American football. The program has 18 conference championships (8 ACC championships and 10 Southern Conference titles), 53 All-Americans, 10 ACC Players of the Year, and have had three Pro Football Hall of Famers come through the program. The Blue Devils compete in the Football Bowl Subdivision The Duke Blue Devils football team represents Duke University in the sport of American football. The Blue Devils compete in the Football Bowl Subdivision (FBS) of the National Collegiate Athletic Association (NCAA) and the Atlantic Coast Conference (ACC). The team is coached by Manny Diaz and play their home games at Wallace Wade Stadium in Durham, North Carolina cee41f131

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