



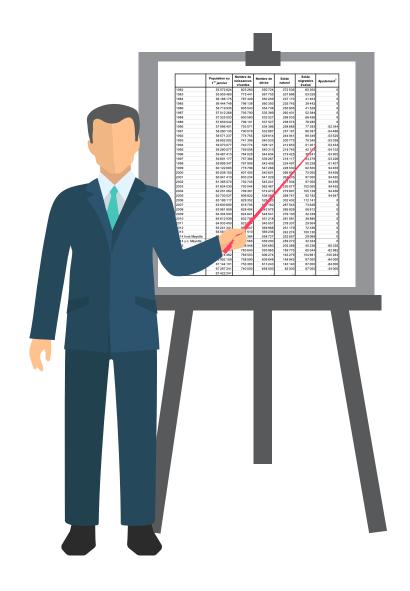
THE

CORRELATIONS AND HOSPITAL MANAGEMENT

You may have noticed hospital management is a HOT topic nowadays.

To handle more efficiently their material needs and their human resources, a large association of hospitals aims at predicting maternity occupation rates and put in place an alerting system to help decision-making.

Many factors could influence pregnancy and natality, from weather conditions to football results, through travel agencies activity. There are so many variables that could be taken into consideration, that the association decided to limit them to twitter hashtags at first.



DATASET

A data set (or dataset) is a collection of data. In the case of tabular data, a data set corresponds to one or more database tables, where every column of a table represents a particular variable, and each row corresponds to a given record of the data set in question.

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SECTION BREAK

ORTG #pdf1 #Goodreads #book #ebook #KindleUnlimited https://t.co/z6ure657E9 1848538395858438464 2018-18-86 13:48:88 +0188

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- [2888866579]553]278 2828-87-88 17:29:11 +8188 <CoolDealCA> /Pregnancy Pillow for \$34.99 1154773435848643872 2019-87-26 17:20:16 +0100 <Cerinni> Mormos is onvervangbaar. 💚 #Mom tingtheshitoutoflife #unsolicitedparentingadvice #wwwlife #pregnant #pregnancy #daisyfoundationsheffieldnorth https://t.co/j19kBtQVio #Deal #ganga https://t.co/Wtb2dZxsH4 https://t.co/ZyJHLhxidS Life #Mom #Mum #Motherhood #MomBlogger https://t.co/aDMEWIOTHK 280886372161794048 2020-07-88 17:28:03 +0100 <Fetableatth> What is Pendometriosis and 1154772961955590152 2019-07-26 17:18:23 +0100 <DiscoleronAid> Takeing twins to a 2 year 1048538288422838273 2018-10-06 13:39:43 +0100 <Pregnancy_TT> Understanding the Risks of well check at Bam. rather have myperiod at a water park them to do that again! Led tes t.eyetest and fluoride all solo #twinlife #twinmom #motherhood | 1154771367163813889 2019-07-26 17:12:03 +0100 <TimyDoodleShop> #motherhood #kidscare Lit tle Breamer Fox T-shirt Top + Pants Outfits https://t.co/cPu0tx2IYD how can it affect #pregnancy ?? https://t.co/zCKSSXYN/Ik https://t.co/weZCh1089Z a Plus-Size Pregnancy Pregnancy https://t.co/p06g186m9g 1848537972784726817 2018-18-06 13:38:28 +0100 %unJumpScrap> "When I met hubby he made 288885889267367936 2020-87-08 17:26:08 +0100 <HallelujahStudi> Ask me for perfect preg ancy portrait 👵 Psydneypregnancy Apregnant Apregnancy Apregnancyshoot Esydneyphotosho Fa7riii Esonyalpha Esony85mm18 Esonyphotography Esonyalpha7riii https://t.co/Cxov49 t no secret he would like three children." https://t.co/c078380369 #Gender #Pregnancy https://t.co/IEbl8Ahf2a 1154768336720412672 2019-07-26 17:00:00 +0100 <mlembarazo col> Tranquilo, te la va a dev 1848537409783483528 2818-18-86 13:36:14 +8188 <INEDITY> スタバでスルーされた。なぜだろう 88885018248777730 2020-07-08 17:22:40 +0100 -MtranParker> @DeltaChildren YOU WILL NEV olver 🐤 Para saber mis sobre maternidad y crianza afectiva, visitanos en: 🐷 https:// 、ハラスメントなのか? スタハラか? でもイケメン オだったから許す。また行きます。 GET YOUR ORDER. My order was placed Memorial Day, delivery was canceled TWICE, and c 気 J笑顔 J日記 Jイラスト J洗賞さ Jイケメン Jart Jarts Jillustration Jinkprinting Jおか t.co/lWeT9e3ZQg #maternidad #motherhood #crianza https://t.co/kfIBaYI3zr tomer service is unreachable. My baby is in the NICU and coming home in a few days. W 1154767833869574149 2019-07-26 16:58:00 +0100 <Ismotherhood4me> "It's about the journey, #家族 #happy #子育で #まま #思い出 #pregnancy #starbucks #スタバ #まま https://t.c e is he going to sleep? Anexborn Apregnancy Anexmon Aparenting Anursery 0884267715719175 2020-07-08 17:19:41 +0100 -genderequity4al> Access to ASRUR is esse not the destination." Some women find that true when deciding #motherhood or #childfree not the destination." Some women find that true when deciding #motherhood or #chitofree https://t.co/GEsyGCMPIX
1154767562451890177 2019-07-26 16:56:56 +0100 <CamaronBrooks> Few things have brought our family more joy than planting a butterfly garden with drought tolerant plants of #motherhood butterfly garden #sanAntonio #Texas #SAMS #mindful https://t.co/15GzeM.XX4
1154767054563600256 2019-07-26 16:54:54 +0100 <KatyFerry> So I wrote a piece on @Medium.
I hope y'all will check it out, @amp: if you like it, clap for it, or share it. It's a bt anxiety, motherhood, working @amp: self-induced pressures. My Life Is So Good It's Bad https://t.co/sbulgFDXDE #anxiety #MentalHealthAwareness #motherhood
1154764631002229760 2019-07-26 16:45:17 +0100 <RezaCl> HATCH Raissed \$SM For its Stylish Approach to Motherhood That Caleba love https://t.co/27625basi0 via molleyWatch #tech 1048537281164992513 2018-10-06 13:35:43 +0100 <matteolambe> Terrific talk of my great lend Hatem at #BCYlugano on biology of #BreastCancer in young patients and on the very ecent data published by @bastlen nguyen and @c_sotiriou on the impact of #pregnancy (i ortant work supported by @BCRFcure) #bcsm https://t.co/xgbGeqCBCl 1048537123790491648 2018-10-06 13:35:05 +0100 <Treasure E M- PREGNANCY #2: Tips for Siving the First Trimester - looking after a toddler while in those early months of prancy is such a difficult time. These are my ways to make it easier... https://t.co/b0x3F4cVme 1048536776787786 2018-10-06 13:33:40 +0100 <OCerebusfire1> Sorry I haven't tweets or is it twated??? I no much I just found out I'm prepared last Sunday and I've beets at for Phealthy development, Phealthy Gamp; for making informed Adecisions from Apre ncy #prevention to #MIV prevention https://t.co/F5Rip8p3HO 94079408353281 2020-07-08 17:18:56 +0100 <ChaChaScientist> Interesting read! I'm c mazer/s/gospundu 2020-07-08 17:14:15 +0100 Pandas uk> would you like to share your rience with us? Please read below and get in touch, thank you mum #mumlife #Covid19 lockdown #baby #pregnant #pregnancy @nhsbame @GWMEedMetwork @PMMfamilies #PMD http .co/YBShXap614 Approach to Motherhood That Celebs Love https://t.co/2fm75hosLO via @AlleyWatch #tech 82109763121154 2020-07-08 17:11:07 +0100 <GGHospital> Health Benefits of Mushroom! 1154763307942050560 2019-07-26 16:40:01 +0100 <kkuplecki> Motherhood is: Being sleep-dep Appointments, Call 044-28272675 / 9962229940 Visit us @ https://t.co/9u80278P5G rived and still getting it done https://t.co/TVZtGK9DEX @MotherlyMedia #momlife #mothe espital #Fertility #Pregnancy #Chennai https://t.co/#Cnrboo7Rn rhood https://t.co/rQt twint -s "#pregnancy" -- since "2017-01-01" -- year 2018 -o pregnancy_201... build strength for your #pregnancy and delivery from @fitpregnancy https://t.co #parenting #mummy #decorate https://t.co/nIIKPaEY4R Do you need Nursery Inspiration? h
ttps://t.co/34xqQu4xCI ZMG0 https://t.co/dbpCG0TpDd 803539311681556480 2016-11-29 11:01:15 +0100 KidsintheHouse Is Exercise Safe or Danger 34649989123 2017-11-24 17:00:02 +0100 <mybabyway> Nothing like a #babyshower to he whole #family together' https://t.co/vytJVbJ8YL #FriYaY #pregnancy #30weeks ncylife 59917833 0450959361 2017-11-24 16:58:33 +0100 <SwagBabyDecor> Like and share! #momideas ncy https://t.co/mYjl67YLdB 7541571584 2017-11-24 16:55:29 +0100 <GioBellaMerch> Womens Mama Bird T-Shirt M ather Grey https://t.co/whyb8gDCeD #momlife #Motherhood #mamabird #mother #pre rtrait out rostpartum Urinary incontinence https://t.co/szXXuCunip #pregn pirds #monsrock #loveit https://t.co/9LLgCfeoya 803534970677391361 2016-11-29 10:44:00 +0100 <Talking muns> My journey to parenthood! Li 071090176 2017-11-24 16:54:16 +0100 <bottlesoup> Yayy! #pregnancy #babies #cel cy https://t.co/C6u9cXq9KO 336656385 2017-11-24 16:50:11 +0100 <₩Conneely> #Stress in #pregnancy linked nked up with #EatSleepBlogRT https://t.co/r25AfxpRne thanks @petite pudding @animperfec

પોતાની કુખાલાંશાનને રાખે છે https://t.co/7TVQog)7E6 #pregnancy #motherhood twint -s "#pregnancy" -- since "2015-01-01" -- year 2016 -o pregnancy 2015... tps://t.co/efG220myFq 671020852226297856 2015-11-29 18:40:12 +0100 <AlfatimaClinic> #alfatimaClinic #obg dy #doctor #specialist #maternityhome #karachi #Walkin #Pregnancy #Maternity #Labo tps://t.co/b8cHypygAK 671020851949531136 2815-11-29 18:40:12 +0100 <AlFatimaClinic> #alfatimaclinic #ob dy #doctor #specialist #maternityhome #karachi #Walkin #Pregnancy #Maternity #Lab 671020851689492480 2015-11-29 18:40:12 +0100 <AlFatimaClinic> #alfatimaclinic #ob dy #doctor #specialist #maternityhome #karachi #Walkin #Pregnancy #Maternity #Lab tps://t.co/9DhtE70gYd 671020850770907136 2015-11-29 18:40:12 +0100 <AlFatimaClinic #alfatimaclinic #o dy #doctor #specialist #maternityhome #karachi #Walkin #Pregnancy #Maternity #La tps://t.co/eugdwlm6A

To make my datasets from the Twitter feed I had to use a scraper.

But what is a scraper?



SCRAPER

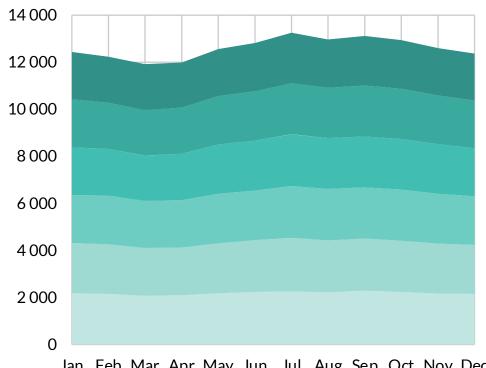
Web scraping, web harvesting, or web data extraction is data scraping used for extracting data from websites. The web scraping software may directly access the World Wide Web using the Hypertext Transfer Protocol or a web browser.



SECTION BREAK

DATA VISUALIZATION

Data visualization is the graphical representation of information and data. By using visual elements like charts, graphs, and maps, data visualization tools provide an accessible way to see and understand trends, outliers, and patterns in data.



Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

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SOURCES

Here are all the sources that helped me in my research to establish my case study

Bilan démographique 2020

https://www.insee.fr/fr/statistiques/5012724#figure2_radio2

Naissances et taux de natalité

https://www.insee.fr/fr/statistiques/2381380#tableau-figure1

Décalage du pic de naissance

https://www.insee.fr/fr/statistiques/4655279#graphique-figure1

Infos juillet 2019

https://www.lefigaro.fr/actualite-france/les-infos-qu-il-faut-

retenir-du-mois-de-juillet-20190802

Bilan démographique 2016

https://www.insee.fr/fr/statistiques/2554860



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THANKS FOR YOUR ATTENTION