

# Appendix A: Inspirational Benchmarking Matrix

	ANALYSIS CONTEXT	Target Users	Offered Services	INTERACTION MODEL	Community	Features	Timing & Use Frequency	Navigation Flows	BUSINESS & SUSTAINABILITY STRATEGY	
INFORMATIVE PORTALS - acting as resource aggregators to provide guidance	European e-Competence Framework <a href="http://www.ecompetences.eu/">http://www.ecompetences.eu/</a>	ICT professionals, private and public organizations, companies managers, education institutions, policy makers	- Access to the e-CF 3.0 documentations: guidelines and supporting materials - Create a personal e-CF Profile (Test it) through common and shared definitions	User Profiling & Engagement No user registration required	/	- "Test it": create an e-CF Profile: select the e-Competence areas (total 5 areas); select the e-Competence identities (total 40 competences); select the e-Competence proficiency levels identified for each competence	/	- 1 level: profile Tool (ICT profile): view, edit, compare to other profiles, print and export the default format	Open Framework reference that promote the creation of relevant supporting standards that can be applied through Europe and around the world. It is based on the GEN Workshop on ICT Skills, a network of experts representing the ICT industry, academic institutions, training organisations, ICT professional associations, social Partners and Research institutions.	
	DATA LANDSCAPE <a href="http://datalandscape.eu/">http://datalandscape.eu/</a>	Online website that shows the key players of the EU data economy through an interactive map: it defines a portrait of main stakeholders involved	Providers: companies and organizations to get involved in European data economy	- Access to online catalogue of providers and analytical tools registered in the website	No user registration required. Providers fill the application form to insert the company	- blog + comment + social share. Note that most of the contents are provided by the same person. No users comments - tweet stream (last update: 12 May) - meetup	- Providers: add company to / take part in the "visual landscape" through an apply form inserted in the website; - Seekers: search industry entities exploring the map or using filters to select the sector of data domain	- 1 level: Homepage: European map that shows pins that represent the companies added. Filters of Data Science categories to facilitate searching (Analytics, Cross infrastructures, Data holders, Data marketplaces, Enabling technologies)	The website is part of the EU Data Market study for DG Connect – European Commission by Open Evidence and IDC. The editorial content of this site is distributed under a Creative Commons License, Attribution-ShareAlike 4.0 International (CC BY-SA 4.0) except where otherwise specified	
	Data Science Weekly <a href="http://www.datasciencemag.com/">http://www.datasciencemag.com/</a>	Website that provides recent news, articles and jobs related to Data Science. You can subscribe a free weekly newsletter featuring news, articles and jobs related to Data Science.	All people interested in keep up with all the latest developments without doing it themselves	- weekly newsletter about DS - list of general resources (books, meetups, MOOCs, Datasets, Articles, Talks, DSs on twitter, etc.) - weekly data scientist interviews - blog with weekly interviews to interesting stakeholders to better understand how people are using Data and Data Science	Subscribe the newsletter to receive one email every Thursday	- blog with no comment box (only reading version). Content provided by the admins	- Seekers: read the latest DS interviews, access to "The Big list of DS resources" with detailed info - Providers: send a content to be submitted and published	One email per week (news, articles, job positions)	- 1 level: Homepage: email blank and single button to subscribe; main menu with blog, DS interviews, DS resources - 2 level: list and short description of all contents related the item - 3 level: full content selected	The value is keeping users up with all the latest developments without doing it themselves. All the contents are provided by the DSW team but all people can submit their proposals or contents
	Master's in Data Science <a href="http://www.mastersindatascience.org/">http://www.mastersindatascience.org/</a>	Education-focused website in DS that collects the most advanced degrees in DS (USA). It includes onsite and online programs.	Students interested in a professional advancement in DS domain	- list of the 23 Great Schools with Master's Programs in Data Science - school listing of DS Degrees Online - list of DS Related Specialties - list of DS career profiles - list of DS Industry Uses - list of DS technologies - latest articles, interviews and news	No user registration is required. Opportunity to share contents with social profiles (Facebook, LinkedIn, twitter)	- tweet stream (up to date) - blog with no comment box (only reading version). Contents provided by the admins (DS Examiner) or experts appointed	- Get a panoramic view of DS / master programs in US. Main criteria of filtering: career profiles, schools by state, industry uses	- 1 level: Homepage: general description of Data Scientist and the purpose of the website; categories of content organized by lists; main menu: top schools, online programs, by state, related degrees. - 2 level: detailed info of the	Create a network of possible new users, master programs organized by schools and industries. The value is supporting each actor in providing feedback and be a reference subject for all of them	
	DATASCIENCE.COMMUNITY <a href="http://datascience.community/">http://datascience.community/</a>	Online website that collects data science educational institutions, data bootcamp and jobs opportunities adding them to a repository on GitHub	Providers: universities, institution, data organizations; Seekers: students who wants to get a bachelor or master degree in Data Science expertise or a job in data science and data engineering	- Browse online catalogue of colleges and data bootcamps; - Access to general/tagged contents in the blog related ( <a href="http://101.datascience.community/">http://101.datascience.community/</a> ) or in the news section where are displayed the top must-read articles	No user registration required. Providers fill list of their category in the repository on GitHub	- blog feeds (text preview of original post). Click on it and the user goes to the original blog	- Providers: add colleges and / bootcamps to the lists on GitHub; - Seekers: search contents from each list using filters	- 1 level: Homepage: general information and toolbar with main pages (Blogs Feed, News, Colleges, Bootcamps, Careers, Blog) - 2 level: catalogue of services offered by each providers with additional categorized info and a search	Based on an Open Source platform (Github) to insert information that automatically appear on the website	
	Data Science Association <a href="http://www.datasciencenon.org/">http://www.datasciencenon.org/</a>	Non-profit professional group that offers education about Data Science domain. The goal is promoting data science in several fields as life, business and government.	Professionals, students, researchers, academics and others with an interest in data science and related technologies	- Data Science Code of Professional Conduct organized by 9 rules: Terminology, Competence, Scope of Data Science - Professional Services Between Client and Data Scientist, Communication with Clients, Confidential Information, Conflicts of Interest, Duties to Prospective Client, Data Science Evidence, Quality of Data and Quality of Evidence, Misconduct	Join a personal membership for free (limited time)	- news and events (calendar view) updated - blog with the latest post provided by few users (often the same). Opportunity to comment previous registration	- Get access and download / different resource types (Academic Paper, External Course, Podcast, Slides, Video, White Paper) - check it out DS news and posts from other members of the association	- 1 level: Homepage: description of mission, principles, services, upcoming. Main menu: About, Membership, Resources, Events, Store, Blogs - 2 level: main template for each menu item	All content are provided by the association's members in order to promote the association identity. The work of the Data Science Association is supported by different committees (Data Science Conference Planning Committee, Data Science Standards Committee, Committee on Data Privacy Law and Regulation, Data Science Education Curriculum Committee, Data Science Professional Conduct Committee).	
	IB/ELN/ITA TRAINING PROGRAMME <a href="http://www.ibelna.it/">http://www.ibelna.it/</a>	Website that provide annual training programme in bioinformatics in Italy	Passionate scientists interested in training initiatives	- online resources for Academic Events - catalogue of on-site courses limited to 20 participants to allow high interactivity and intensive practical work - list of events	No user registration required	- on-site events and collaborations to be involved in	There aren't any additional features.	- 1 level: Homepage: short general description of the training programme; main menu: catalogue of courses, list of events, trainers (list of instructors), contacts - 2 level: additional info and links to related external resources	International Journal of Data Science Planning Committee. The core is illustrating the training program and offers the essential information	
	DATA SCIENCE TRAINING FOR LIBRARIANS <a href="http://www.datalandscape.eu/">http://www.datalandscape.eu/</a>	Training programme for librarians to learn how extracting, wrangling, storing, analyzing, and visualizing data for their daily activities.	Librarians at any level of competences in data science	The website provide general info about courses (eg. schedule, speakers, trainers)	No user registration required	/	There aren't any additional features. Possibility to explore the schedule with filters or search programs starting from the people profiles. It's not possible to add to a own calendar.	Showcase site. The main area is the schedule page	The goal is keeping users up to date about the courses program of DT4L	
	LIBER <a href="http://libereurope.eu/">http://libereurope.eu/</a> //Libraries	Website promoted by LIBER Association that aggregates the main research libraries in Europe in order to build a structured network	European research libraries, library organisations, companies or consortia supplying services to research libraries and to individuals	- annual conference where attending workshops and seminars - publish metadata records and the full-text content on the Open Access DART-Europe portal - get access to EU projects related - events calendar - news	Opportunity to join the LIBER Association and get members' benefits	- Facebook page, LinkedIn group, Twitter profile to interact with - conferences & events	There aren't any additional features. Possibility to explore several contents and detailed info about LIBER'S activities	Showcase site. Main menu: / about, strategy, committees, advocacy, EU projects related, conferences and events, news	Librer has over 400 members	



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EDUCATIONAL PORTALS - acting as educational resources providers	EGI Marketplace http://www.egi.eu/services/training_marketplace/	Online portal that provides a space for advertising and looking for training events, courses and training materials on scientific and computing topics related to EGI	Community of researchers, scientific organizations, institutions	- Browse online catalogue and search tailored content, institutions and projects	No user registration required to the Training Marketplace	- List of virtual organisations of researchers with software & service developers and resources providers	- Basic Search: insert keywords in the search engine; - Advanced Search: selecting filters to support the search engine (Type, Country, Project, Community, Keyword); - Other filters: Browse, ...	/	- 1 level: selection of Training / Marketplace from Services; - 2 level: search engine and selection of informations from the catalogue	
	#INFORMATIVE PORTALS									
	On-Course https://www.on-course.eu/	Online portal that provides biomedical courses for postgraduate education and training	Course providers: universities, industries; Course and service seekers: biomedical students	- Access to online catalogue of courses and providers; - Get information and related link of courses and providers; - Join On-course forum for students	User registration (Username, Password, e-mail) to get access to the courses	/	- Providers: enter their courses based on specific quality standards. On-course supports XCRT that allows course providers to automatically add and update their course information from their website to on-course via a ...	Depending on each course	- 1 level: Homepage with search engine and advanced filter to find courses and providers; list of courses, number of total biomedical courses inserted; - 2 level: detailed description of course and external link	Free access to the portal. The price is related to each course
	Data Science Europe http://www.datascienceeurope.com/	Website for recruiting students who wants to access online and on-site Data Science courses	Course and service providers: students	On-site course: - access to small classes (<10 people) with Silicon Valley Data Science teachers; - job interviews scheduled with companies; - life-long access to DSE network - get materials for all students online; - access to blog On-line course: - 1:1 online mentorship; - ...	Application form and selection of 15 candidates for each type of course	- blog not updated with RSS feed + comment + share on Facebook or Twitter - testimonials	- Access to online resources only for students registered	- 6 weeks in Dublin for the on-site course - at your own for the on-line course (3 months)	/ (only winners)	On-site Course: the program costs 7500 Euro; On-line Course: the program costs 5000 Euro
	DataCamp https://www.datacamp.com/	E learning environment that provides online courses, training materials and items related to Data Science	Course and service seekers: students, academics and professionals	- Access to Data Science courses, online R tutorials, coding challenges; - Learn how to do data manipulation and visualization	User authentication through social networks to get access to courses (Facebook, LinkedIn, Google+, account). There is profile page with personal informations (Name, Public profile link, Location, Work, school or ...)	The word "community" is referred to a virtual place focused on learning. From website: "learn how to become a data scientist with articles, tutorials and open courses" - articles+ glossary+ social share	Tasks: - Choose the course; - Sign in; - Choose the step; - Choose the specific course; - Choose the chapter (lessons); each chapter has a number of exercises; - ...	Number of hours for each course - icon	- 1 level: Homepage: main actions "Start Course" from two options; - 2 level: summary of chapters, number of exercise and skills learned for each one expressed in 0/800 XP; - 3 level: textual description, instructions, coding box, ...	Monthly or yearly payments: \$25/month or \$250/year
	DataQuest https://www.dataquest.io/	E learning platform for learning Data Science by working with real datasets. The goal is gaining the practical skills needed for Data Analysis and Data Science	Course and service seekers: people interested in Data Science to increase job-related skills	- Access to courses and tutorial about: Data Analyst (how to manipulate and analyze data); Data Scientist (how to make inferences and predictions using data); Data Engineer (how to build data pipelines and work with large datasets); - Build projects and make a portfolio	User authentication through social networks to access to free courses (Facebook, Google+) or user registration to create an account with personal e-mail and password. User subscription to premium version to get access to all ...	- blog+ comment + social share - Twitter profile, Facebook page, LinkedIn group	Tasks: - Sign in; - Choose the course; - Choose the step; - Choose the mission (lesson); - Start doing the exercise following the instructions; - Check what you've done ...	Number of hours that each step takes - icon	- 1 level: main button in Homepage: "Start Learning Now" and "Sign in"; - 2 level: summary of course (list of steps) and percentage of progress for each step; - 3 level: step details, missions to complete (lessons) and percentage of ...	Monthly payments for premium and professional version: - Premium: \$49/month Options: full access to hundreds of hours of content on Spark, Python, Machine Learning, R, and more; access to projects and challenges; access to members only help and support. Professional: - Professional: \$199/month Free access to courses
	DataMonkey http://datamonkey.pro/	E learning environment to develop analytical skills with learn-by-doing approach and Game mechanics. Opportunity of learning SQL and Excel for Data Analysis interactively into the work environment	Course seekers: people interested in data. It is not necessary to have technical knowledge to get started on the lessons.	- Access to online courses: SQL for Data Aggregation (how to manipulate data using various SQL queries); Try spreadsheets (how to use formulas of spreadsheets); Descriptive statistics (how to analyze data using descriptive statistics)	User authentication through Google+ or user registration to create an account with personal e-mail and password. No profile page. The registration is used to keep note of lessons completed automatically, but it is also possible to ...	- blog not updated + social share	Tasks: - Choose the course; - Sign in (optional); - Choose the chapter; - Choose the lesson; - Start doing the exercise following the instructions; - Check what you've done step by step;	Number of total lessons and total hours for each course - icon	- 1 level: Homepage: main button "Start Learning"; - 2 level: basic info courses with main button "Start course"; - 3 level: summary of course (chapters and lessons) and progress; - 4 level: operational level (training and checks) ...	Free access to courses
	Kaggle https://www.kaggle.com/	Online marketplace based on a community of data scientists that compete with each other to solve complex data science problems. The top competitors are invited to work on business problems from some companies through Masters competitions. This model bridges the gap between data problems and data solutions	Service provider: industries in insurance, finance, science, technology; Competition seekers: data scientists in computer science, statistics, econometrics, maths, physics	- Companies get access to Data Science results to inserted problems; - Data Scientists get the prize money and data and can meet, learn, network and collaborate with experts from related fields	User authentication through social networks to access to free courses (Facebook, Google+, Yahoo) or user registration to create an account with personal e-mail and password. Authentication or registration are necessary ...	- user ranking and access to each profile - view of all users activities - different forums (general or for each competition) - external blog with Categories, Search engine, Popular tags, Archives	Tasks: - Choose a competition; - Download the training data; - Build a model using whatever methods and tools; - Upload predictions; - Kaggle scores each solution and shows the score on the leaderboard	Deadline (number of days to go)	- 1 level: list of competitions; - 2 level: summary and details for competitions; get the data; make a submission; forum related; additional resources	There are prizes for each competition. The value depends on the company
	S2DT http://www.s2ds.org/	Summer school to help "academic scientists" transition to "commercial data scientists". The aim is ensuring that all participants get a real world experience on their data science projects	Course seekers: PhD (or last year) in analytical science coming from different areas and needing; data practitioners with some programming/maths/stats experience. Project and job providers: sponsor companies	Courses: - lectures (technical issues, general business issues); - project/internship (groups of 3/4 students working on a project proposed by one of the companies); - additional activities (talks, networking events,...); - final presentations & job fair	Application process (CV and interview) based on a list of specific criteria for students selection	- blog that provides content monthly + social share	Providers: propose a project and a real problem to solve; Student selected: join group of work and participate to classes and events	Workshop on site: 4/5 weeks in a city that changes every year	Showcase website to promote workshops /	
	Data Society http://datasociety.co/	Online portal that aims to teach how to use data science and machine learning methods for each course provided.	Financial Analysts, Marketing Professionals, Retail Analysts, Managers	- online courses (Introduction to R and Visualization, Interactive Visualizations, Clustering and Finding Patterns, Network Analysis, Text Mining and Natural Language Processing, Prediction and Classification, Forecasting and Regression, Data Science for Leaders) - tab with books and resources - open dataset to practice on ...	User registration (Username, Password, e-mail) to get access to the courses or using Facebook, Google+, Twitter account	The word "community" is referred to a virtual place focused on learning that provides: Books and resources, Datasets, Forums.	- Course syllabus that resumes the entire course and gives information about timing - Course sneak peek using videos	Duration of each course is presented in the syllabus and depend on the course	- 1 level: homepage: subscription format in landing and complete description of what Data Society provides to users - For each course: navigation menu, points and badges earned, short videos, reference guides, concept ...	Annual prices \$149
	Big Data University http://bigdatauniversity.co	Online portal born at IBM that aims to spread big data literacy. It is a place where to learn about big data, data science and analytic technologies from experts using hands-on exercises and interactive videos.	Students in different fields of DS domain	- free courses - free learning paths (each path ...)	User registration (Username, Password, e-mail, other personal details) to get access to the courses and resources or using Facebook, Google+, Yahoo, LinkedIn, ChannelDB2 account	- blog + RSS feed posts and comments + social share + comment + related - on-site events	- Course syllabus that resumes the entire course - User level - Time to complete - Apply to internship opportunities (limited to Brazilian exchange students in Canada)	Duration depend on each course	- 1 level: homepage: sign up / box, recommended courses and events. Main menu: Courses List and Learning Paths, Events, Badges, Resources, Intership, Blog. - For each course: navigation menu, several learning sessions, instructions, ...	Over 160,000 students in more than 190 countries enrolled. Nanodegree programs are available for a one-week free trial
	Udacity https://www.udacity.com/	Online portal that provides DS courses built by industry experts and related domains. The goal is teaching how to solve data-rich problems and apply this knowledge to big data ...	Courses provider: Facebook, Cloudera, MongoDB, Georgia Tech.	It provides free courses and nanodegree programs in several fields (Android, Data Science, Georgia Tech Masters in CS, IOS, New Tech Software Engineering, Web ...)	User registration (e-mail, password) to get access to the courses or using Facebook, Google+, ...	- blog for students (only reading posts provided) + social share	- Catalogue of courses and nanodegree programs to explore with filters (category, time, skill level, ...)	Duration depend on each course	- 1 level: homepage: general info and form to join Udacity for free	Over 160,000 students in more than 190 countries enrolled. Nanodegree programs are available for a one-week free trial

<p><b>WEB SERVICES AND APPLICATIONS PROVIDERS</b> - supporting operations and hands-on practice</p>	<p>Federated Cloud http://www.egi.eu/infrastructure/cloud/</p>	<p>Federated Cloud Infrastructure of academic private clouds and virtualised resources, built around open standards and focusing on the requirements of the scientific community. In particular the <b>Learning objects library</b> providing access, distribution and management of virtual appliances and software appliances <b>Virtual Appliance</b> =&gt; bundle of one or more Virtual Machine Images ready to be used either on a cloud infrastructure (i.e. EGI FedCloud) or even to be downloaded to personal PCs</p>	<p>Scientists who can benefit of a flexible environment for running their workloads. It is suitable also to projects aiming to provide services and platforms to the scientific community.</p>	<p>Based on the EGI AppDB tool (http://appdb.egi.eu/) a <b>community driven central service</b> that stores and provides software solutions (of any form, native software and/or virtual appliances), originated from almost every scientific area/discipline, reference of scientific datasets (under development); the programmers and scientists responsible for them, the publications derived from the interoperable data e-infrastructures.</p>	<p>Obtaining access to one or more sites of the EGI federated cloud, the prospective user can setup and operate custom services, applications and simulations within the virtualized hosting environments of these sites</p>	<p>- scientific community that works on the VL - User Communities wiki page - blog - events</p>	<p>/ / / /</p>	
	<p>D4Science-ll http://www.d4science.eu/</p>	<p>Data e-Infrastructure ecosystem for science. It is a continuation of the DLIGENT and D4Science projects. D4Science aimed to continue the path that the GÉANT (a multi-gigabit pan-European data communications network), EGEE (Enabling Grids for E-science in Europe), and DLIGENT projects have initiated towards establishing networking, grid-based, and data-centric e-Infrastructures. These e-Infrastructures were expected to accelerate multidisciplinary research by overcoming several crucial barriers that stood in the way, related to access to open datasets; clean messy data with OpenRefine and generate insights to improve own businesses with analytics.</p>	<p>Science Communities, I.g Biodiversity Community, High Energy Physics Community</p>	<p>repositories, virtual aggregator of resources available in interoperable e-Infrastructures, provider of these resources back to the participating e-Infrastructures. VRES can be used for different requests, e.g. the monitoring of processes, the analysis of data and the collaboration of users.</p>	<p>/ / / /</p>	<p>- scientific community that works on the VL</p>	<p>/ / / /</p>	
	<p>Data Science Workbench https://datascientists.com/</p>	<p>Online platform that aggregates several resources to get access to open dataset; clean messy data with OpenRefine and generate insights to improve own businesses with analytics.</p>	<p>Professionals, students, passionate interested in practising with data</p>	<p>- open datasets - OpenRefine - tools to build analytics - resources (knowledge base, e-Learning, forum, online support, blog)</p>	<p>User registration (first&amp;last name, email, username,password), or using Google+, GitHub, Facebook, LinkedIn)</p>	<p>- forum with the approach to post new ideas: "I suggest you ... Enter your idea". Filters: Hot Ideas, Top, New, Category, Status - My feedback. Opportunity to vote them</p>	<p>Workbench feature&amp;layout: - Find data: IBM Analytics Exchange, Open Data - Manage data: My data - Prepare data: Open Refine - Build Analytics: Jupyter Notebook, Zeppelin Notebook, RStudio IDE, Seahorse - Languages: R, Python, Julia, SQL - Collaboration for teams - Scheduled Tasks - Notifications for completion of long running tasks - An on-premise Enterprise version</p>	<p>- 1 level: blank board to work / on depending on the item selected on the navigation menu on the left sidebar - Join for free</p>
	<p>Sense https://sense.io/</p>	<p>Online cloud-based platform for data analysis, statistical modeling, visualization and reporting. It allows to perform own data science workflow via a browser.</p>	<p>Data scientists, analysts, data-driven enterprises</p>	<p>- manage data projects in one place-build an Open user registration is not implemented. It is impossible to get access to the platform</p>	<p>/ / / /</p>	<p>- 1 level: homepage website: The annual fee for a single member is 500 €.</p>	<p>/ / / /</p>	
	<p>COAR https://www.coar-repositories.org/</p>	<p>Online portal born from a EU project whose aim is bringing together repositories and other tools in order to build an open science infrastructure.</p>	<p>Libraries, universities, research institutions, government funders</p>	<p>- practical guidelines for starting an institutional repository - repositories service support (technical, organisational, management, advocacy) - list of service providers to build own repository - cases studies of digital repository and good practices</p>	<p>Institution membership. To become a member of COAR, first thing to do is to fill in the COAR application form.</p>	<p>The community includes members and partners. It is possible to search them also by a map view. - events</p>	<p>- Activities - Strategic Reports, deliverables and Publications - Guidelines and Application Profiles for Open Access Repositories - Knowledge Base (under construction) - Vocabularies of interest to</p>	<p>- 1 level: homepage website: The annual fee for a single member is 500 €. latest updates, twitter, latest articles, events calendar. Main menu: activities, community, news &amp; publications</p>
<p>Data Seal of approval http://www.datasealofapproval.org/en/</p>	<p>Online data repository whose objectives are to safeguard data, to ensure high quality and to guide management of data without specific standards.</p>	<p>Data producers, institutions, organizations, data consumers</p>	<p>- online assessment tool to build the digital repository - list of external repositories - list of guidelines related to data producers - list of guidelines related to repositories - list of guidelines related to data consumers - news and events</p>	<p>Open user registration is not implemented. Although it is possible to apply for a Data Seal of Approval for own repository</p>	<p>It is referred to a list of all organisations with one or more DSA-certified repositories</p>	<p>- Application form for own data repository (Repository Details, Organization Details, Applicant Details, Back-up Contact Details)</p>	<p>- 1 level: the on-line assessment tool provides 5 items: apply, seals (list of repositories), documentation, help, visit the website</p>	

SOCIAL PLATFORMS - acting as tools for supporting online communities										
R-bloggers http://www.r-bloggers.com/ #INFORMATIVE PORTALS	Aggregator of contents and blogs provided by people who write about R. All posts blog need to have R code in them or deal with R system, R implementation of case study, R community.	R bloggers and users	- post R discussions- access to expert articles No user registration required. Subscription by email address. Opportunity to follow and interact with other R-bloggers on Facebook and Twitter. RSS system to receive content updates	All the platform is managed by the R-community, from providing contents to guarantee services (eg. learning path)	- Add your personal blog in R Everyday by receiving RSS updates - Discover contents from blog or using the search engine; - Subscribe to receive a daily digest with teasers of new posts - Leave comments on the blog - Share thoughts on the blog - Ask a question in data field / usings posts and tags; - Answer (or receive) to solve the problem; - Vote posts and answers; - Get badges (bronze, silver, gold)	- 1 level: Homepage: latest articles and all contents (preview) to access to; main menu: home, about, RSS, add your blog, learn R, R jobs, contact - 2 level: details of the item selected and other contents in the boxes on the sides; - 3 level: list of questions.	The value is the building of a R-blogsphere that aggregates R-blogs all around the world and the creation of a global R community.			
Cross Validated http://stats.stackexchange.com/ #INFORMATIVE PORTALS	Online programming community interested in sharing knowledge through user contributions. It is one of 149 communities created in Stack Exchange network (question and answer web sites)	People interested in statistics, machine learning, data analysis, data mining, data visualization	- Enable users to post questions and answer them; - Vote on both answers and questions and through this process users earn reputation badges (gamification approach); - Receive privileges by collecting reputation badges, ranging from the ability to vote and comment on questions and answers to the ability to moderate aspects of the site; - list of external courses - list of external software and tools - job board - data repositories - list of tutorials - list of companies in Analytics, Data Mining, Data Science	User authentication through social networks (Google+, Facebook) or user registration to create an account with personal e-mail and password. Authentication or registration are necessary to answer questions. It is required. Subscription by email address to receive news. Opportunity to follow and interact on Facebook, LinkedIn and Twitter.	All the platform is managed by the community	- Ask a question in data field / usings posts and tags; - Answer (or receive) to solve the problem; - Vote posts and answers; - Get badges (bronze, silver, gold)	- 1 level: list of questions. - 2 level: details of question. There are also related material, member answers and blank space to write down personal answer	All user-generated content (questions and answers) posted on the Stack Exchange Network is copyright by the contributor and licensed to Stack Exchange under the Creative Commons Attribution Share Alike (CC-BY-SA) license		
KDnuggets http://www.kdnuggets.com/ #INFORMATIVE PORTALS	Website that aggregates different kind of contents and external links in Business Analytics, Big Data, Data Mining and Data Science fields.	Students, data practitioners, data passionates. In general all people fond of data and that wants to keep up to data in DS (the main section is about news, articles and tweet).	- articles - tweet - list of DS external courses - list of external software and tools - job board - data repositories - list of tutorials - list of companies in Analytics, Data Mining, Data Science	No user registration required. Subscription by email address to receive news. Opportunity to follow and interact on Facebook, LinkedIn and Twitter.	All the platform is managed by the community	- Search engine - Discover contents - Subscribe to receive digest - Follow with social	KDnuggets News 3-4 times a month (news, software, opinions, tutorials, courses, events, jobs) - 1 level: homepage: different categories of informational content divided into boxes that includes also a preview of the latest. Main menu: 14 items. - 2 level: additional info about the content selected with related resources and news	250,000 monthly visitors, over 100,000 subscribers via email, Twitter, LinkedIn, Facebook, feedly/RSS and Google+		
Data Science Central http://www.datasciencecentral.com/	Online community that provides a space with resources and competences about Analytics and Data	Big Data practitioners	- Explore website through pages (toolbar) and sections (body). - Access to resources: topics and posts of community's members	User registration to join the community; no registration required to get access to the contents and resources	All the platform is managed by the community of big data practitioners	- Explore categories and contents in the website	- 1 level: Mainpage: pages in toolbar and main sections (blog, groups, top categories, resources, research, video, forum, data science jobs, announcement, events, etc.); - 2 level: detailed contents and resources	Open Community reference to Big Data Practitioners.		
DataKind http://www.datakind.org/	Community that brings together data scientists with leading social change organizations to collaborate on cutting-edge analytics and advanced algorithms to maximize social impact in the fields of education, poverty, health, human rights, the environment and cities	Nonprofit entities, data scientist, people interested in DataKind community	- DataKind Labs: long-term projects that convene several stakeholders to develop cross-sector solutions; - DataCorps: long-term engagements that help organizations use data science to transform their work and their sector; - DataDives: weekend-long, marathon-style events that help organizations do initial data analysis, exploration, and prototyping; - Datahubs: designed to bring together computer programmers, storytellers, graphics designers and statisticians - Summer schools: to prepare PhDs in science and engineering to work as data scientists - Training courses: tailored for high-school students with the goal to promote the role of data scientists	Join the community as a volunteer or submitting a project: it is necessary applying a form	- apply for to join the community (specific profiles) - community events	Use this portal to get access to a community who convene experts and people interested in data for social interests	From one-hour events to year-long engagements For each service offered there are 5 steps: Problem Exploration, Data Discovery, Prototyping, Refinement, Solution. To better understand every step this is an example suited for DataKind Labs: - Problem Exploration: data Showcase website to promote and disseminate the community activities. The Virtual Access is realized thanks the e-Infrastructure which offers a web front-end comprising of resources (both data and services) and a set of SoBigData Virtual	Impact: from helping Amnesty International develop an algorithm to predict human rights violations to using mobile data to help Grameen Foundation assess the impact of its programs		
SoBigData http://www.sobigdata.eu/ #INFORMATIVE PORTALS	EU Project that aims to build an European Research Infrastructure that Integrates national infrastructures and centres of excellence in big data analytics and social mining to create a networked and virtual ecosystem founded on a research community.	Scientists, innovators, public bodies, data science students at any level of education	- Datahubs: designed to bring together computer programmers, storytellers, graphics designers and statisticians - Summer schools: to prepare PhDs in science and engineering to work as data scientists - Training courses: tailored for high-school students with the goal to promote the role of data scientists	No user registration required. Each event or course has is own terms of application	- research community composed by different stakeholders. It is not understandable who has already joined	It supports: - transnational access, on-site access that offers world-leading research expertise from multiple disciplines, as well as big data computing platforms, big social data resources and cutting-edge computational methods to	Showcase website to promote and disseminate the community activities. The Virtual Access is realized thanks the e-Infrastructure which offers a web front-end comprising of resources (both data and services) and a set of SoBigData Virtual	Virtual and Transnational Access will be available from September 2016		
IBM Data Science Experience http://datasci	Limited preview of a social environment for data scientists. A place where to converse and learn.	Data scientists	- learning service. From website: "Start a course, start from a sample, or start from scratch. Tap into the power of RStudio, Jupyter Notebooks, or both. Use Python, R, or Scala — stop downloading and configuring an analysis environment and start analyzing" - services for enterprises. From website: "Enterprise-scale features on demand. From data exploration and generation to							