



Herramientas para la Investigación

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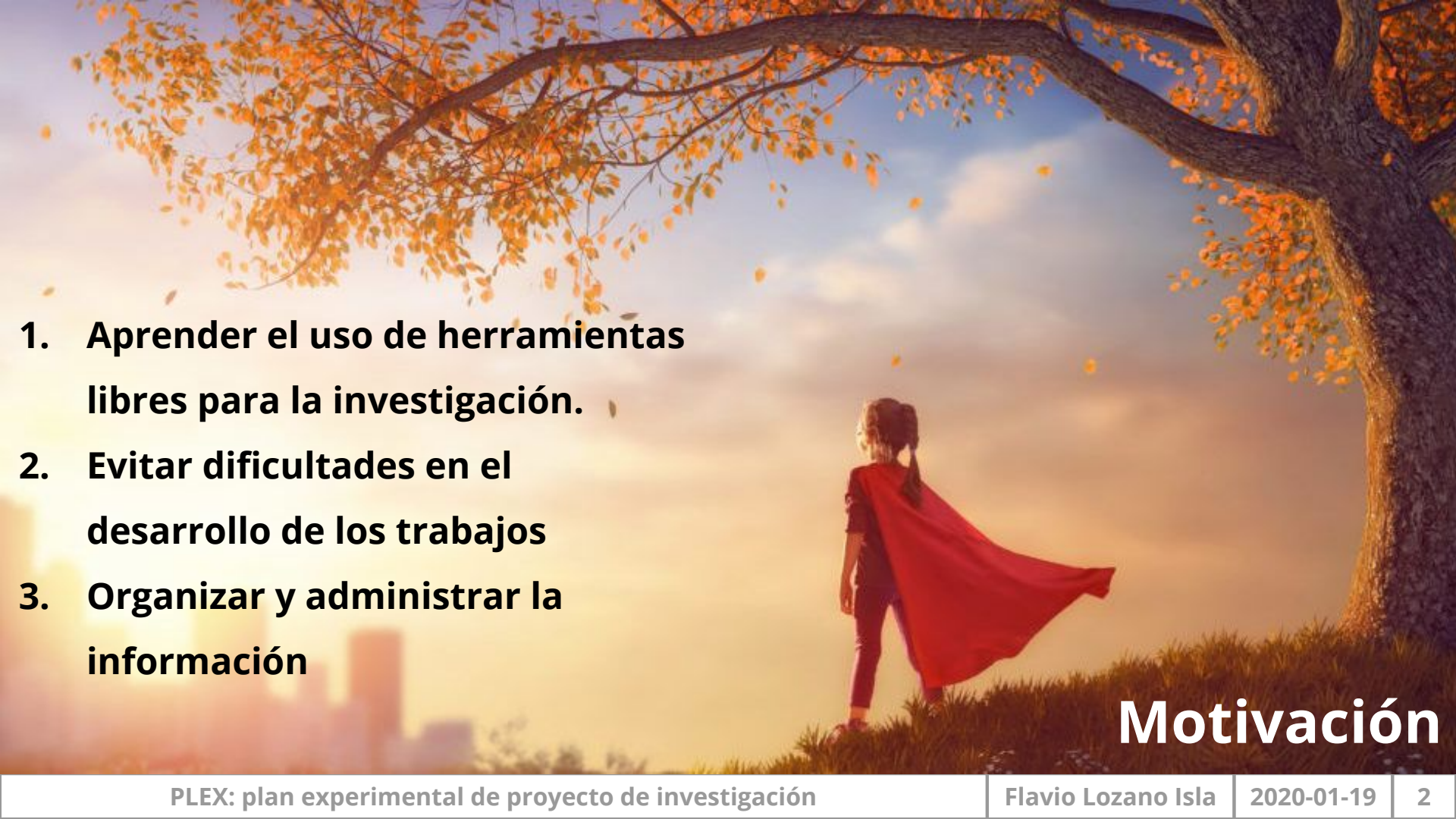
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course info



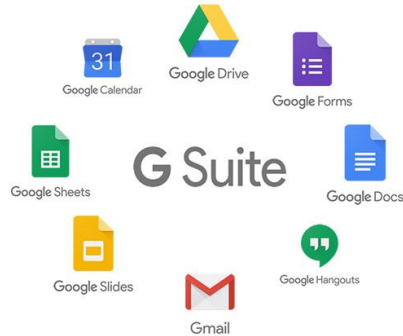
- 1. Aprender el uso de herramientas libres para la investigación.**
- 2. Evitar dificultades en el desarrollo de los trabajos**
- 3. Organizar y administrar la información**

Motivación

Qué herramientas necesito?

Cuentas

- Gmail
- Zotero
- Github



Ventajas

- Herramientas libres.
- Uso en cualquier dispositivo móvil.
- Historial de versión en los documentos.
- Igual a las herramientas de office.



Ninite: instalación mínima

1. Pick the apps you want

Web Browsers

- Chrome
- Opera
- Firefox

File Sharing

- qBittorrent

Compression

- 7-Zip
- PeaZip
- WinRAR

Messaging

- Zoom
- Discord
- Skype
- Pidgin
- Thunderbird
- Trillian

Other

- Evernote
- Google Earth
- Steam
- KeePass 2
- Everything
- NV Access

Media

- iTunes
- VLC
- AIMP
- foobar2000
- Winamp
- MusicBee
- Audacity
- K-Lite Codecs
- GOM
- Spotify
- CCCP
- MediaMonkey
- HandBrake

Runtimes

- Java (AdoptOpenJDK) x64 8
- Java (AdoptOpenJDK) 8
- Java (AdoptOpenJDK) x64...
- .NET 4.8
- Silverlight
- Air

Utilities

- TeamViewer 15
- ImgBurn
- RealVNC
- TeraCopy
- CDBurnerXP
- Revo
- Launchy
- WinDirStat
- Glary
- InfraRecorder
- Classic Start

Imaging

- Krita
- Blender
- Paint.NET
- GIMP
- IrfanView
- XnView
- Inkscape
- FastStone
- Greenshot
- ShareX

Documents

- Foxit Reader
- LibreOffice
- SumatraPDF
- CutePDF
- OpenOffice

Online Storage

- Dropbox
- Google Backup and Sync
- OneDrive
- SugarSync

Qué herramientas necesitamos?

Básicas

- Documentos
- Hoja de cálculo
- Presentaciones
- Encuestas



Avanzadas

- Zotero
- R
- RStudio
- Git





Organización de la información

Zotero: Your personal research assistant

Zotero es un gestor de referencias bibliográficas, libre, abierto y gratuito desarrollado por el **Center for History and New Media de la Universidad George Mason** que funciona también como servicio. Es un programa multiplataforma, estando disponible para los sistemas operativos **Windows, Mac OS X y GNU/Linux.**



Zotero

Search: Title, Creator, Year

Info Notes Tags Related

Item Type Journal Article
 Title Circulation of Medicine in the Early Modern Atlantic World
 Author Cook, Harold J.
 Author Walker, Timothy D.
 Abstract The search for powerful drugs has caused people and commodities to move around the globe for many centuries, as it still does...
 Publication Social History of Medicine
 Volume 26
 Issue 3
 Pages 337-351
 Date 2013/08/01
 Series
 Series Title
 Series Text
 Journal Abbr Soc Hist Med
 Language en
 DOI 10.1093/shm/hkt013
 ISSN 0951-631X
 Short Title
 URL https://academic.oup.com/shm/article/26/3...
 Accessed 1/24/2018, 10:17:12 AM
 Archive
 Loc. in Archive
 Library Catalog
 Call Number
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 Extra
 Date Added 1/24/2018, 10:17:12 AM
 Modified 1/24/2018, 11:50:15 AM

Title	Creator	Year
Guerre, maladie, empire. Les services de santé militaires en ...	Zaugg	2016
Officiers de santé et soignantes créoles face à la fièvre jaune	Nobi	2016
The Emergence of Tropical Medicine in France	Osborne	2014
Colonial Disease, Translation, and Enlightenment: Franco-Brit...	Charters	2014
Trading in Drugs through Philadelphia in the Eighteenth Centu...	Wilson	2013
The Medicines Trade in the Portuguese Atlantic World: Acquisi...	Walker	2013
Leprosy and Slavery in Suriname: Godfried Schilling and the Fr...	Snelders	2013
Medical Experimentation and Race in the Eighteenth-century ...	Schiebinger	2013
The Circulation of Bodily Knowledge in the Seventeenth-centu...	Gómez	2013
Circulation of Medicine in the Early Modern Atlantic World	Cook and Walker	2013
Synthesis of scholarship on "medicines" to restore focus o...		
Full Text PDF		
Colonial Medical Encounters in the Nineteenth Century: The Fr...	Thoral	2012
Networks in Tropical Medicine: Internationalism, Colonialism, a...	Neill	2012
Early Clinical Features of Dengue Virus Infection in Nicaraguan...	Biswas et al.	2012
Medicine in an age of commerce and empire: Britain and its tr...	Harrison	2010
Finding the "Ideal Diet": Nutrition, Culture, and Dietary Practic...	Neill	2009
Battles of the Self: War and Subjectivity in Early Modern France	Pichichero	2008
The Experiments of Ramón M. Termeyer SJ on the Electric Eel ...	de Asúa	2008
Psychiatry and Empire	Mahone and Vaughan	2007
Medicine and the Market in England and Its Colonies, C.1450-...	Jenner and Wallis	2007
Matters of exchange: commerce, medicine, and science in the...	Cook	2007
A Horrible Tragedy in the French Atlantic	Rothschild	2006
"Neither of meate nor drinke, but what the Doctor alloweth": ...	Chakrabarti	2006
Transnationalism in the colonies: Cooperation, rivalry, and rac...	Neill	2005
Variolation, Vaccination and Popular Resistance in Early Coloni...	Brimnes	2004
"Syphilis, Opiomania, and Pederasty": Colonial Constructions ...	Proschan	2003
Choosing Scientific Patrimony: Sir Ronald Ross, Alphonse Lav...	Guillemin	2002
Madness and Colonization: Psychiatry in the British and Frenc...	Keller	2001
The Colonial Machine: French Science and Colonization in the ...	McClellan and Rego...	2000
From medical astrology to medical astronomy: sol-lunar and pl...	Harrison	2000
Disease and Empire: The Health of European Troops in the Co...	Bynum	2000
Climate & Constitutions: Health, Race, Environment and Bri...	Harrison	1999

My Library

- Book Reviews
- Colonial Medicine
- Dissertation
- Science and Empire
- Teaching
 - Mapping
 - Open Access
 - Text Mining
 - Visualization
- My Publications
- Duplicate Items
- Trash

Group Libraries

- Grant Proposal
- Research Lab
- Topic Modeling

To Read 19th century Acclimatization Aged Appetite Blood Cemetery Children Climate Colonies Competition Creoles Crossing Degeneration Diet Digestion Disease Doctors Drugs Electric Eels Empiricism Expertise Food France Geography Global Guyane Hair Indies Indigenous medicine Intemperance Language Lemonade Medicine Mortality Piment Poison Practice Professionalism Regeneration Secrets

zotero

Zotero [zoh-TAIR-oh] is a free, easy-to-use tool to help you **collect, organize, cite, and share** your research sources.

- **Look for citation style**
- **Install the Web Importer**
- **Insertar referencia!**

Tips.:

Scientific names

`<i> italics text </i>`

Extra information

Activación: zotero en word



Leer documentos en línea



Select text to **annotate**.

Add tags and post publicly or save privately.

Reply to or **share** any annotation.

Link to notes or whole pages.

Annotate together in groups.

Collaborate privately with others.

Search your notes.

Explore all public annotations and profiles.



Importación y búsqueda de referencias

Google Académico





LA VIDA,
ES COMO EXCEL
CREES QUE SABES
PERO NO.

Cómo coleccionar mis datos?



- Trabajo colaborativo
- Historial de versiones
- Es gratis
- Multidispositivos



R: organización de datos

Recomendaciones

- NO unir celdas
 - NO usar filtros
 - NO usar caracteres extraños → / * % # & () \$
 - Usar abreviaciones en las cabeceras:
- altura de planta → "altp"
- Aprender tablas dinámicas

Variables

Observations

State	Murder	Assault	UrbanPop	Rape
Alabama	13.2	236	58	21.2
Alaska	10	263	48	44.5
Arizona	8.1	294	80	31
Arkansas	8.8	190	50	19.5
California	9	276	91	40.6
Colorado	7.9	204	78	38.7
Connecticut	3.3	110	77	11.1
Delaware	5.9	238	72	15.8
Florida	15.4	335	80	31.9
Georgia	17.4	211	60	25.8
Hawaii	5.3	46	83	20.2
Idaho	2.6	120	54	14.2
Illinois	10.4	249	83	24
Indiana	7.2	113	65	21
Iowa	2.2	56	57	11.3
Kansas	6	115	66	18

country	year	cases	population
Afghanistan	2000	15	190071
Afghanistan	2000	1666	20035360
Brazil	1999	3737	17206362
Brazil	2000	8488	17404898
China	1999	21258	127205272
China	2000	27066	12800583

variables

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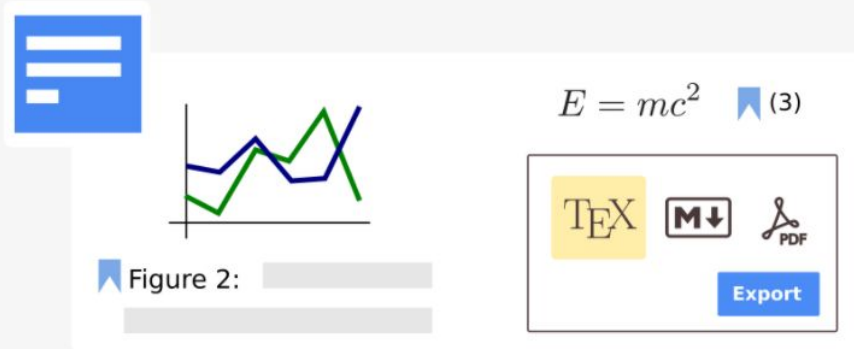
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values

Google docs + Articul⁸

Articul⁸

Scientific Writing in Google Docs.



- Artículos científicos con google docs
 - Zotero
 - Ecuaciones matemáticas
- Análisis reproducibles
 - Gdocs + Rstudio
- Exportar archivo
 - TeX → latex
 - Markdown → bookdown



**"La disciplina,
tarde o temprano,
vencerá a la inteligencia"**

Yokoi Kenji

¿Cómo mejorar nuestros documentos?

Problemas

1. Inadecuada presentación:
 - Figuras
 - Tablas
 - Información
2. Mejorar reportes
3. Uso de estadística



merca2.es (2017)

Imágenes



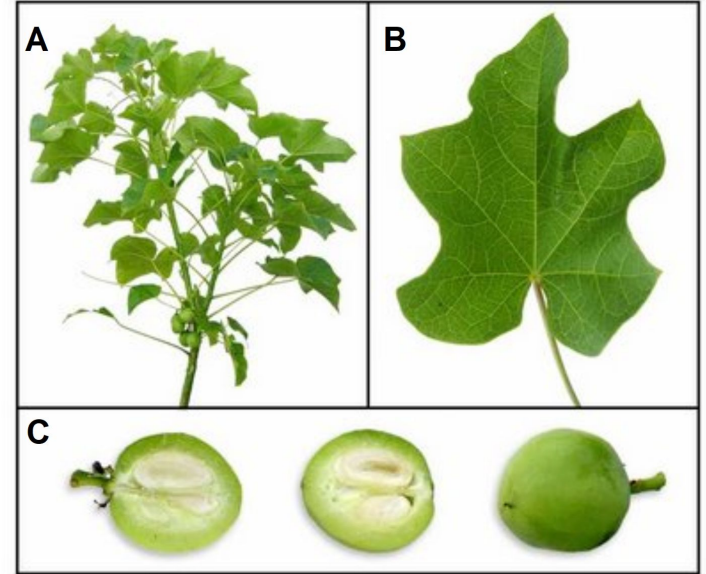
Planta de *J. curcas*.



Hoja de *J. curcas*.



Cápsula de *J. curcas*.



Planta de *Jatropha curcas*. (A) Tallos y hojas. (B) Hoja a los 120 días. (C) Cápsulas con semillas.

Tablas

TABLE 1. Breeding system, fruit set, fruit quality, and reproductive success in *Mandevilla pentlandiana*. ns = not significant. PERS = pre-emergent reproductive success

Variables	Flowers			Statistical results
	Natural-pollinated	Self-pollinated	Cross-pollinated	
No. of flowers	989	98	80	
No. of fruits	81	5	7	
Fruit set	0.082	0.051	0.087	$\chi^2 = 1.05$ ns
Fruit length (cm)	13.78 ± 2.58	14.50 ± 1.58	13.07 ± 2.23	$F_{[2,91]} = 0.48$ ns
Fruit mass (g)	1.43 ± 0.45	1.35 ± 0.40	1.54 ± 0.53	$F_{[2,92]} = 0.31$ ns
Pericarp mass (g)	0.77 ± 0.21	0.72 ± 0.38	0.89 ± 0.30	$F_{[2,92]} = 1.06$ ns
Seed mass per fruit (g)	0.65 ± 0.27	0.62 ± 0.22	0.65 ± 0.25	$F_{[2,92]} = 0.03$ ns
No of seeds per fruit	99.02 ± 23.10	84.60 ± 20.17	82.86 ± 18.52	$F_{[2,92]} = 2.43$ ns
Seed viability (%)	76.08 ± 25.39	79.99 ± 6.88	87.44 ± 11.38	$F_{[2,64]} = 0.74$ ns
PERS	0.0597	0.0334	0.0613	$\chi^2 = 0.95$ ns

Figuras

