



Russian statistical training, Building the largest scientific network

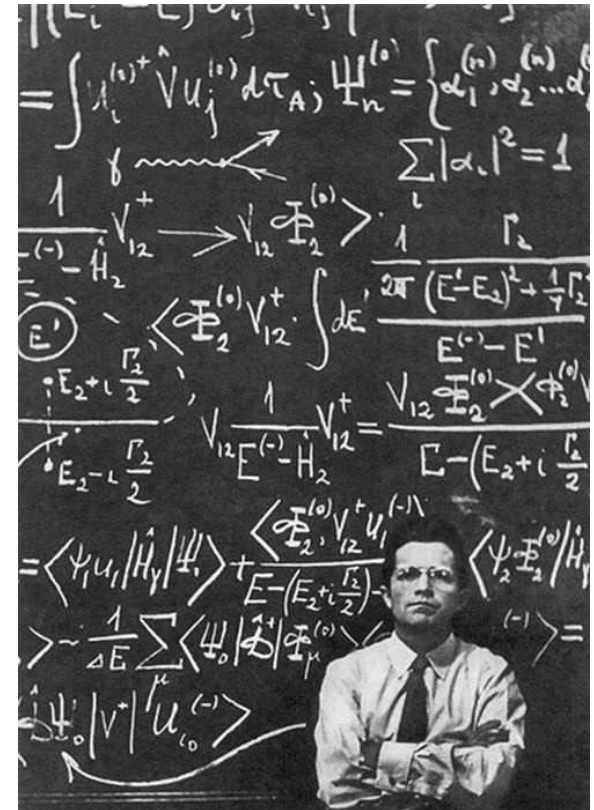
Eugene Shubnikov
for BA Supercourse
Ron LaPorte
Faina Linkov
Musa Kana
Eman Eltahlawy

International Conference - Bibliotheca Alexandrina -
Applying Quantitative Analysis to Development Issues - (18-19 February 2018)

Session 3- Quantitative Analysis for Health & the importance of access to Research Methods

About 30 years ago

- Word “epidemiology” in Russia was related only to infectious diseases while epidemic of noncommunicable diseases already starts.
- My scientific interest has been Global Health and diabetes epidemiology.
- It become possible for Russian scientists to participate in International scientific programs as MONICA (global trends in CVD).



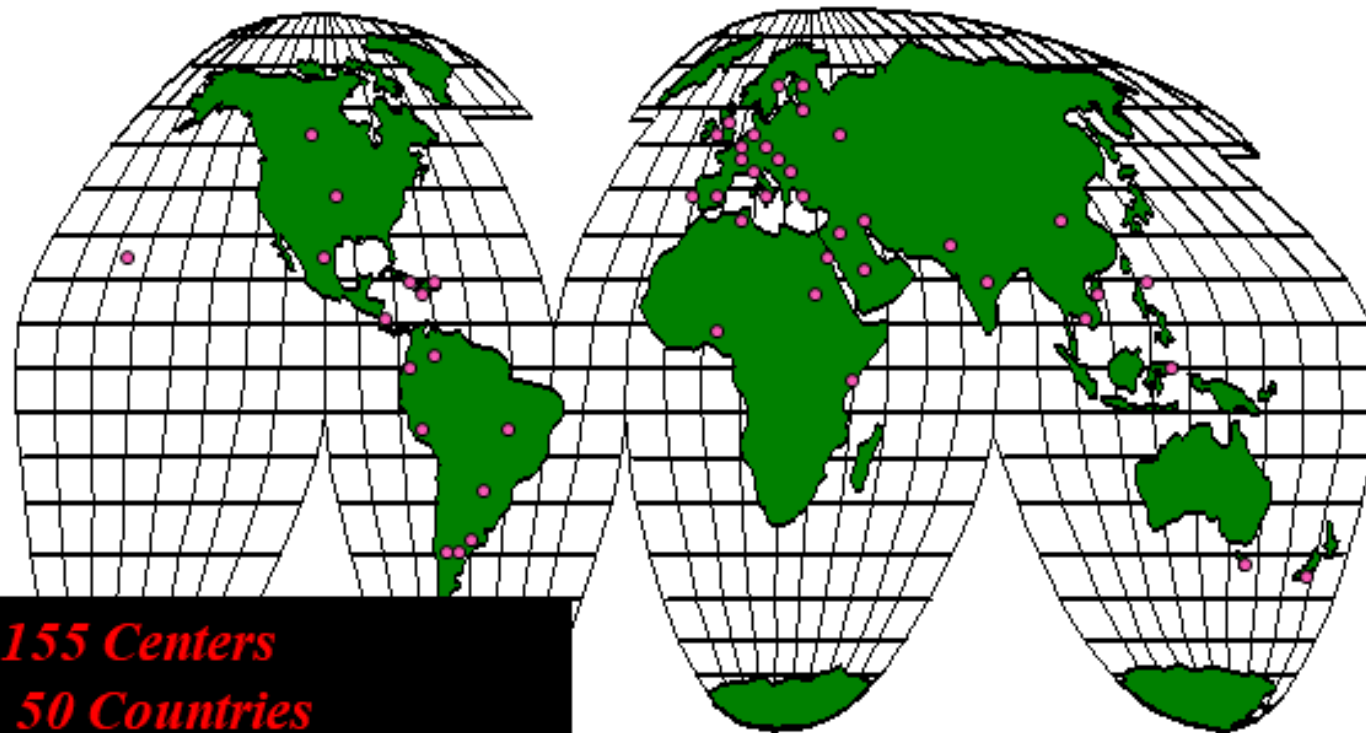
Interlibrary Loan system in USSR

- In Soviet union (wiki) as of 1973, the Interlibrary Loan system included more than 60,000 libraries. Readers received books for work by order through local libraries. It was possible to obtain domestic and foreign books in **originals, microfilms or copies**.
- It was time of letters, Telegrams, phones and later faxes
- It was no E-mail systems, no Internet



*WHO Multinational project Type 1
epidemiology among children*

WHO DiaMond Project



155 Centers
50 Countries
7.2% World's Children

Time of E-mails access

- Sending survey data via E-mail
- Communications with colleagues by E-mails
- Exploring information through E-mails
- Exchanging public health materials through E-mails

All 15 Former Soviet Union Countries are involved

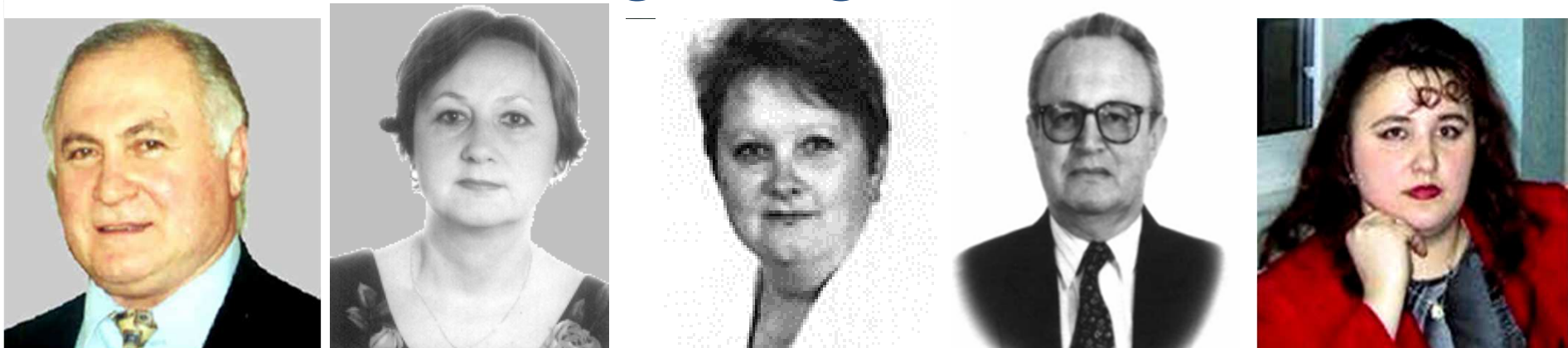




FSU Supercourse Network, 2008



The building the global network



5 joint meetings during 2000-2008

SuperKolontaevo - Microsoft Internet Explorer

Файл Правка Вид Избранное Сервис Справка


Назад Поиск Избранное

Адрес: <http://www.pitt.edu/~super1/national/kolontaevo.htm> Переход Ссылки

Google Поиск Закладки PageRank 495 заблокировано Проверка Переводчик Настройки

Четвертая Ежегодная Летняя Школа по проблемам общественного здоровья.

Общественное здоровье: от идеологии к реализации.



Организаторы: Открытый Институт Здоровья населения (ОИЗ), Москва, в сотрудничестве со Школой общественного здоровья Брауна, Израильского Университета (ИУИ), Иерусалим. Финансовая и техническая поддержка: Институт "Открытое Общество", Нью-Йорк.

Научная Программа Летней Школы 2004.

28 ноября 2008 г.

пуск 2 Internet Exp... ShubnikovBioHa... ВН Abstract Shubni... Microsoft Photo ... EN 15:00



Time of Internet



- Library of Health and Statistics lectures in Russian language
- Russian "Supercourse" has now 153 original lectures and 78 translated lectures into Russian language.

Current status for training in statistics Russia

ВЫСШЕЕ

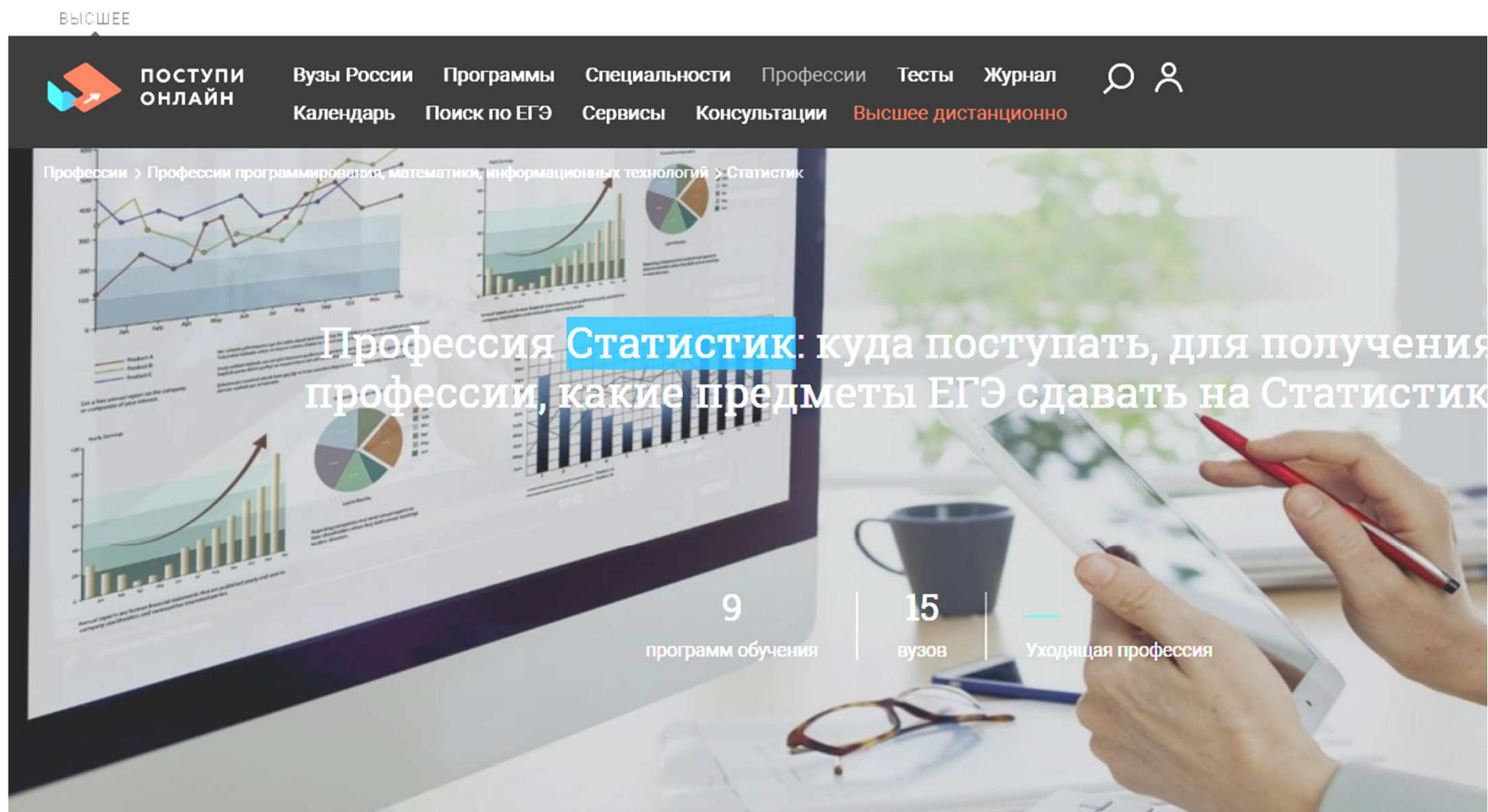
ПОСТУПИ
ОНЛАЙН

Вузы России Программы Специальности Профессии Тесты Журнал
Календарь Поиск по ЕГЭ Сервисы Консультации **Высшее дистанционно**


Профессии > Профессии программирования, математики, информационных технологий > Статистик

Профессия **Статистик**: куда поступать, для получения профессии, какие предметы ЕГЭ сдавать на Статистик

9 программ обучения | 15 вузов | Уходящая профессия



Current possibility for training in statistics in Russia and Novosibirsk Universities(2)

 **Российские высшие учебные заведения**

ВУЗы России (БД) **Карта ВУЗов РФ** **Новости ВУЗов** **Репетиторы (БД)** **Контакты**

браузер.рф Паутинка.рф Anekdoti.ru

Войдите или **зарегистрируйтесь**, чтобы получить больше возможностей

Статистика (080601). Список ВУЗов России, где учатся студенты по специальности 080601 - Статистика 2018 год << ФАК.RU

Фильтры



080601 **Город** новосибирск

Город > [ВУЗы на карте](#) Год основания Короткая форма Тип

Если вы являетесь представителем ВУЗа и его нет в этой базе данных, [регистрайтесь здесь](#) чтобы добавить ВУЗ в базу данных

Список ВУЗов

Всего в списке: 2 ВУЗов

-  Новосибирский государственный университет экономики и управления - НИНХ - НГАЭУ
- Академия (Новосибирск)
-  Новосибирский государственный технический университет - НГТУ
- Университет (Новосибирск)

Most of Universities has programs on statistics including Novosibirsk City

The screenshot shows the 'Поступи Онлайн' website interface. The top navigation bar includes links for 'Вузы Новосибирска', 'Программы', 'Специальности', 'Профессии', 'Тесты', 'Журнал', 'Календарь', 'Поиск по ЕГЭ', 'Сервисы', 'Консультации', and 'Высшее дистанционно'. There are also search and user profile icons, and a dropdown menu for 'Новосибирск' with a 'Настроить по вузу' option.

The main content area features an aerial view of Novosibirsk with the following statistics:

Category	Value
вузов	13
бюджетных мест	8 978
платных мест	22 418

At the bottom, there is a blue banner with the text '2 диплома + трудоустройство' and various educational icons. A 'Реклама' label is visible in the bottom left corner.

Статистика

Статистика

Материал из Википедии — свободной энциклопедии

[[править](#) | [править код](#)]

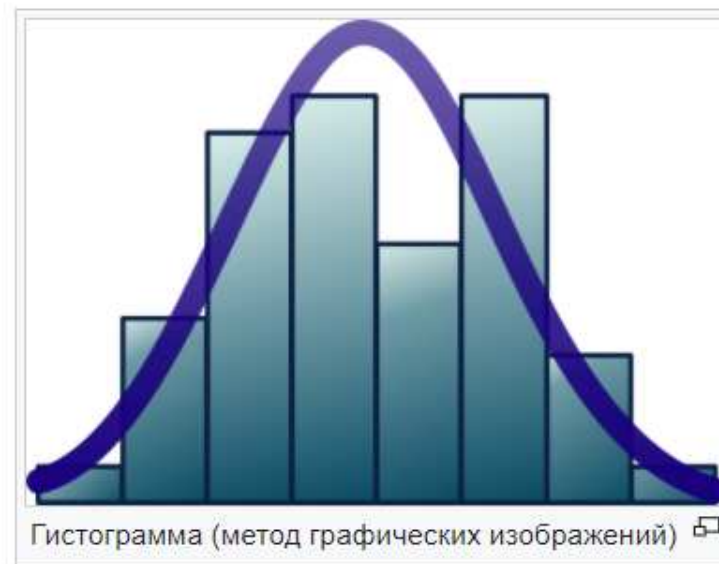
Текущая версия страницы пока не проверялась опытными участниками и может значительно отличаться от версии, проверенной 12 декабря 2017; проверки требует 1 правка.

У этого термина существуют и другие значения, см. [Статистика \(значения\)](#).

Статисти́ка — отрасль знаний, наука, в которой излагаются общие вопросы сбора, измерения, мониторинга и анализа массовых статистических (количественных или качественных) **данных**; изучение количественной стороны массовых общественных явлений в числовой форме^[1].

Слово «статистика» происходит от латинского *status* — состояние дел^[2]. В науку термин «статистика» ввёл немецкий учёный **Готфрид Ахенвалль** в 1746 году, предложив заменить название курса

«Государствоведение», преподававшегося в университетах Германии, на «Статистику», положив тем самым начало развитию статистики как науки и учебной дисциплины. Несмотря на это, статистический учёт



Statistics is part of program in all Russian Medical and Public Health Schools

30

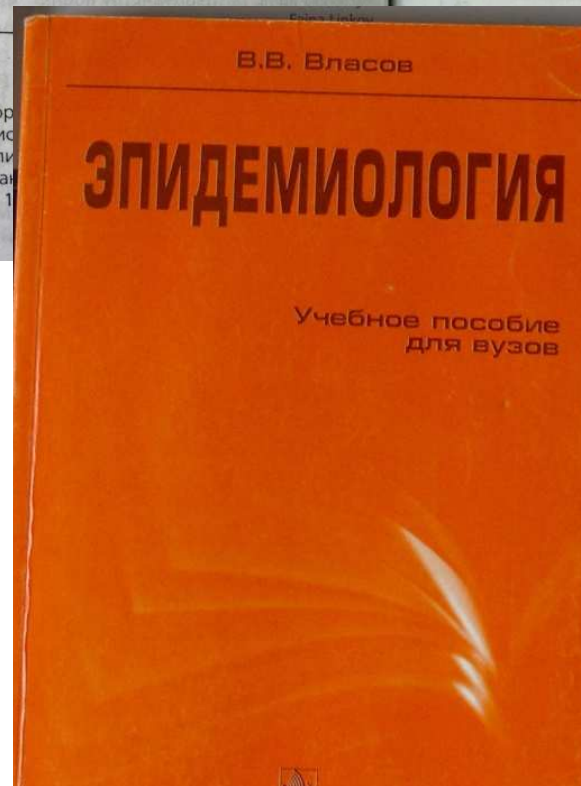
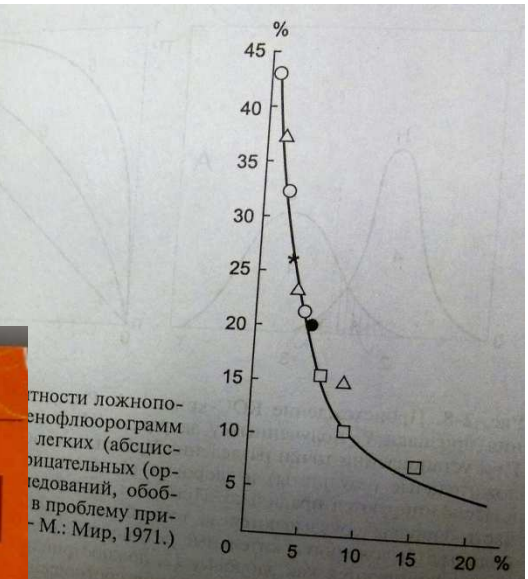
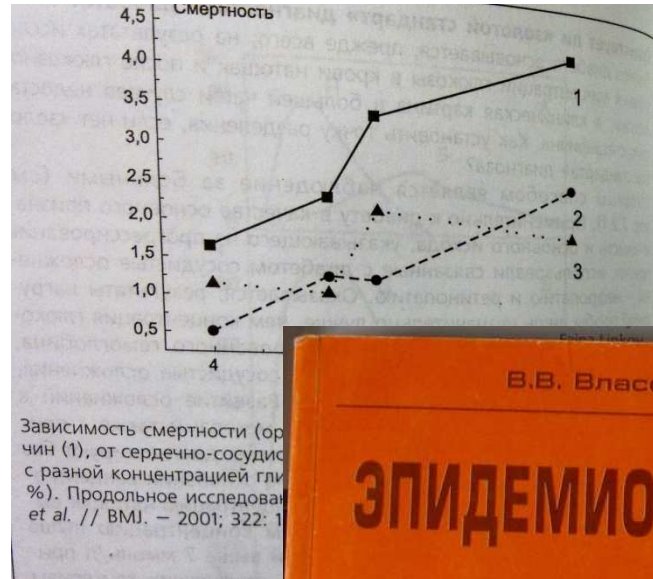
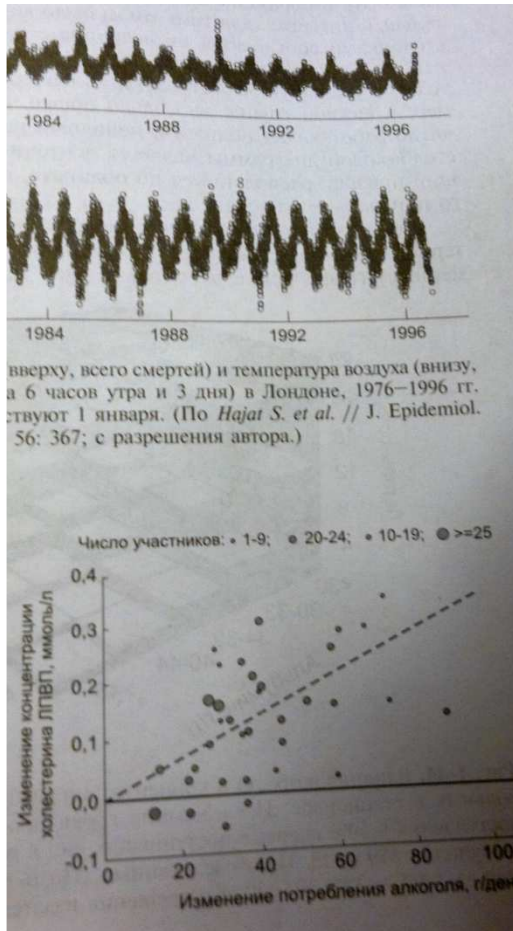
ГЛАВА 2 ОСНОВЫ СТАТИСТИКИ И ОРГАНИЗАЦИИ СТАТИСТИЧЕСКОГО ИССЛЕДОВАНИЯ

2.1. Статистика как самостоятельная общественная наука

Современный этап общественного развития характеризуется широким использованием статистики в различных областях науки, культуры, образования, промышленного и сельскохозяйственного производства, строительства. Трудно определить сферу человеческой деятельности, где бы ни применялась статистика. Это в полной мере относится к медицине, биологии и здравоохранению.

The modern stage of social development is characterized by the rapid use of statistics in various fields of science, culture and agriculture. This fully applies to medicine and health care

One of Epidemiology and statistics books for Public Health students in Russian



Other Russian language Statistical materials available

The screenshot displays the 'University Information System RUSSIA' website. The header includes the university logo and the text 'University Information System RUSSIA'. Below the header, a navigation bar shows '> DATABASES AND ANALYTICAL PUBLICATIONS' and a search icon. The main content area features six circular icons representing different statistical materials:

- REGIONS** (Monthly updates): A blue circle with a calendar icon and a map of Russia.
- REGIONS** (Annual updates): An orange circle with a '365' icon and a map of Russia.
- FINANCIAL STATISTICS**: A red circle with icons of a document, a stack of books, and a calculator.
- CHILDREN**: A green circle with an icon of a tree with hands as branches.
- ANALYTICAL PUBLICATIONS**: A grey circle with a line graph icon.
- DATABASES AND PUBLICATIONS CROSS-SEARCH**: A blue circle with a magnifying glass icon over a document.

Current Big Data Courses available



Маркетинг

Бизнес и управление

Дизайн

Программирование

Data Science

23 марта - 8 мая

Big Data: основы работы с большими массивами данных

Начать обучение

преподают эксперты компаний:

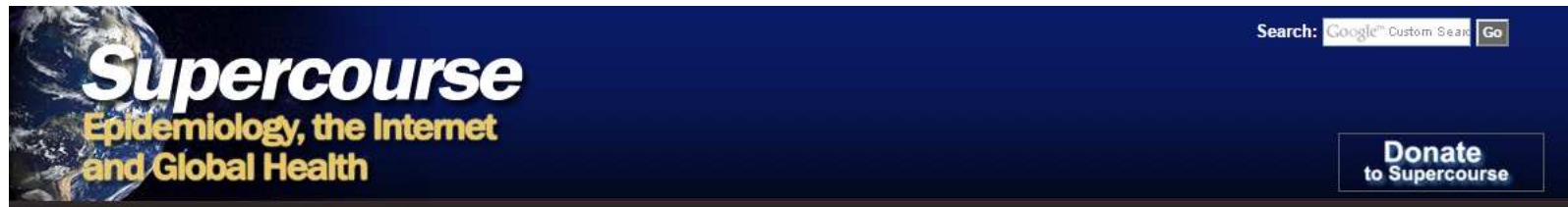
@mail.ru

Google

Альфа-Банк



Creation of Supercourse Library of Lectures and Network



- Home
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 - Editorial Board
 - Developers
 - Translators
 - Supporters
- Mirror Sites
- Resources
- Publications
- Newsletter Archive
- Central Asian Journal of Global Health (CAJGH)
- Contact Us



[African Global Health Lecture](#)

Please see all news from Library of Alexandria at Founding Director, Bibliotheca Alexandrina [facebook account](#)



Welcome to Supercourse

Supercourse is a repository of lectures and research methods materials on global health and other areas of science designed to improve the teaching of prevention and increase number of scientific publications. Supercourse has a network of about 2 million scientists in 174 countries who are sharing for free a library of about 165,000 lectures in 33 languages. The Supercourse has been produced at the WHO Collaborating Center University of Pittsburgh, with core developers Ronald LaPorte, Ph.D., Faina Linkov, Ph.D. and Eugene Shubnikov M.D. Please contact us at supercoursehelp@gmail.com.

Supercourse does not grant degrees or certificates, but is designed to be a resource for teachers, professors, and other educators. Supercourse does not provide access to faculty members developing the modules. You may submit your lecture(s) as Microsoft PowerPoint Presentations.

We were originally funded three times by NASA, and by the National Library of Medicine. We have built a "Library of Lectures" with passionate scientific lectures from across the world. We have developed a technology for inexpensive, sustainable global training. [More information on our program.](#)

We have published over 158 papers in leading medical journals including Nature, Lancet, British Medical Journal, Military Medicine, Nature Medicine, and PNAS among others. Our web pages have been identified as in the top 100 by PC Magazine, and one of the top 11 content pages by the Lancet. We receive 75 million hits a year.

Please visit the new Supercourse Journal, [Central Asian Journal of Global Health \(CAJGH\)](#), and submit your papers. More information about CAJGH at Pittsburgh University TIMES - <http://www.utimes.pitt.edu/?p=26794>

[An Ode to BA SuperDesk](#)

Please contact Ron LaPorte, Director, WHO Collaborating Center, and Professor of Epidemiology, Uni. Pittsburgh, Pittsburgh, PA, 15261, USA africaglobalhealth@gmail.com

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Featured Materials

Research Methods
Library of Alexandria

- [JIT Lecture - YELLOW FEVER in ASIA](#)
- [LIBRARY OF ALEXANDRIA GLOBAL SUPERCOURSE VIRTUAL PRESENTATION](#)
- [Supercourse Courses, Collections and Special Lectures](#)
- [What is Health?](#)
- [Africa Health Supercourse](#)
- [Legacy Lectures](#)
- [Directory of Academic Disciplines with Apps for Mobile Phones](#)

Supercourse Lectures

Search for lectures using:

- [Author Index](#)
- [Keyword Index](#)
- [Topic Index](#)
- [Year Index](#)

Global Health Network

- The Global Health Network Supercourse project began at the end 1990's
- Main objective: to empower public health teachers around the world – improving education
- More than 50,000 faculty
- 172 countries
- 6,000 lectures on February 2018

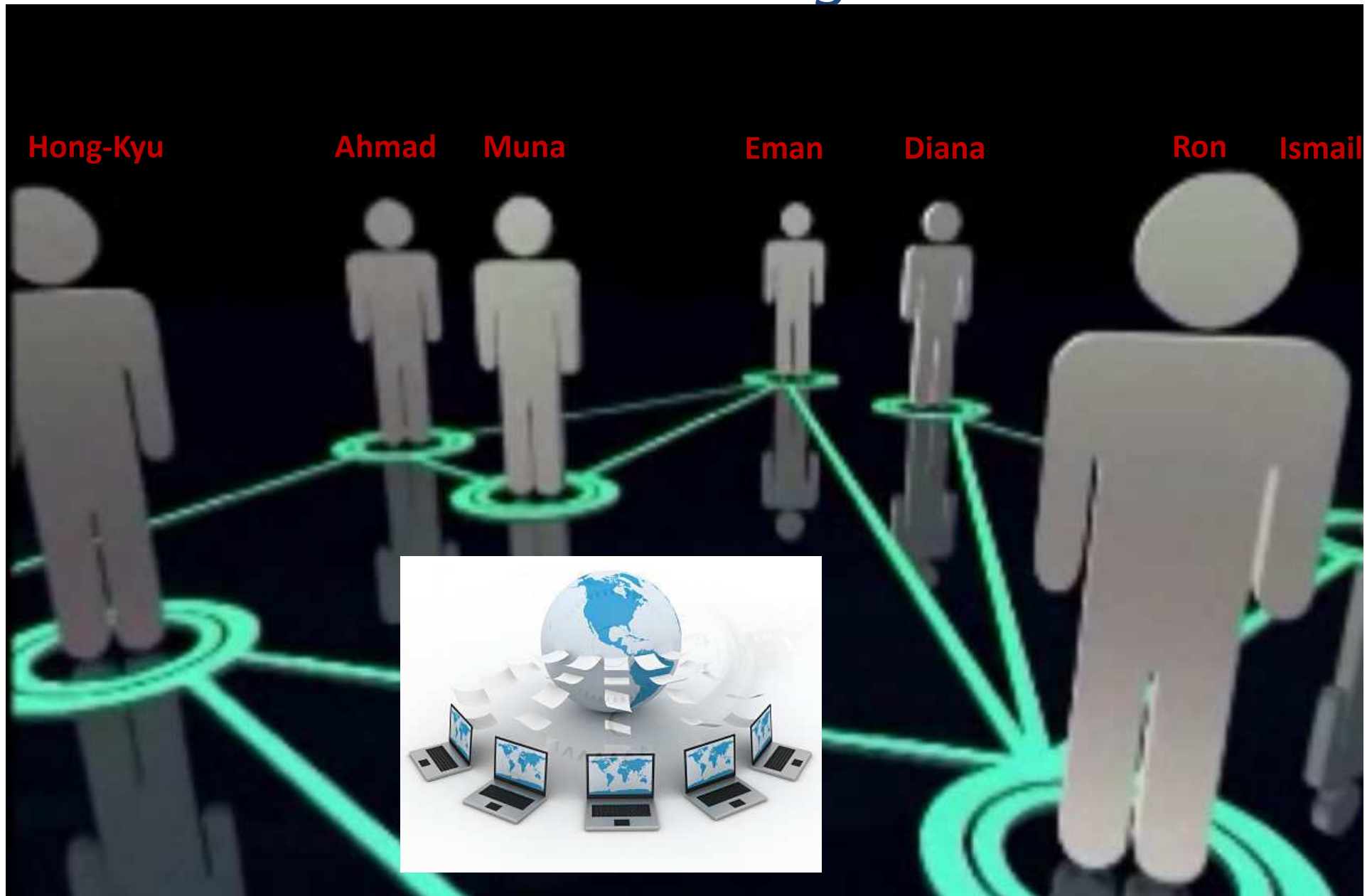
Our mission was to network all people interested in global health, disasters and research methods, share information and help each other.

Time of Networking and BA projects

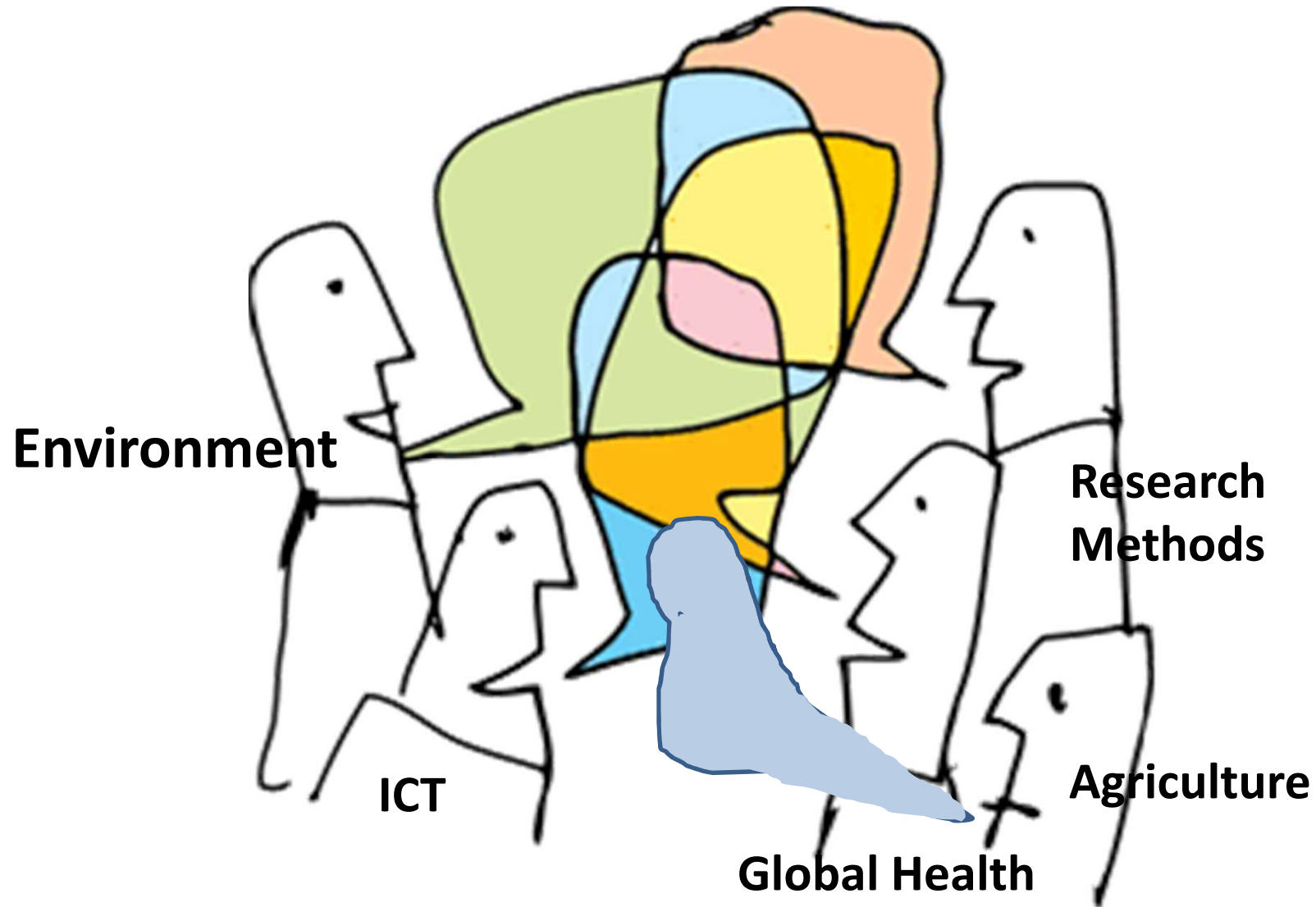


- Science Supercourse Project (more than 200,000 lectures)
- *Bibliotheca Alexandrina (BA) African Networks*
- Research Methods Library of Alexandria

Networking!



Interdisciplinary sciences and networks



Science Supercourse -



BA AFRICAN NETWORKS

The **Bibliotheca Alexandrina (BA)** follows in the footsteps of the Ancient Library of Alexandria as a meeting point for cultures and civilizations. It aims to rise to the digital challenge in order to develop African innovation through the use of science and technology in networks that extend throughout Africa.

The new goal set by the BA is to connect those with common interests and expertise to hasten the development of knowledge and enable immediate sharing of knowledge and contributions.

[More about the networks](#)



Explore Our Networks



Environment



ICT



Global Health





Agriculture



Research Methods

What is RMLA -


Research Methods
Library of Alexandria

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[Introduction](#) | [Question and Answers](#) | [Dr. Ismail Serageldin Course](#)

Research Methods Library of Alexandria





Advancement in academia typically depends upon Scientific publishing. The more you publish, the better the first job, the higher the raise, and the faster the promotion. Sadly only 3% of publications come from developing countries, despite the fact that 27% of the scientists live in developing countries and 80% of the population.

In many countries bright young people want to do research and publish, have to publish, but they do not. A primary reason for this is Statophobia which is the fear of research design and statistics, and not having access to people who can help. Eighty percent of all rejected articles are due to poor research methods.

Bibliotheca Alexandrina (Library of Alexandria) is pleased to offer the Research Methods Library of Alexandria. This is one of the largest and comprehensive collections of research methods. It represents a one stop Library to answer your research methods question.

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 Find us on: **facebook**

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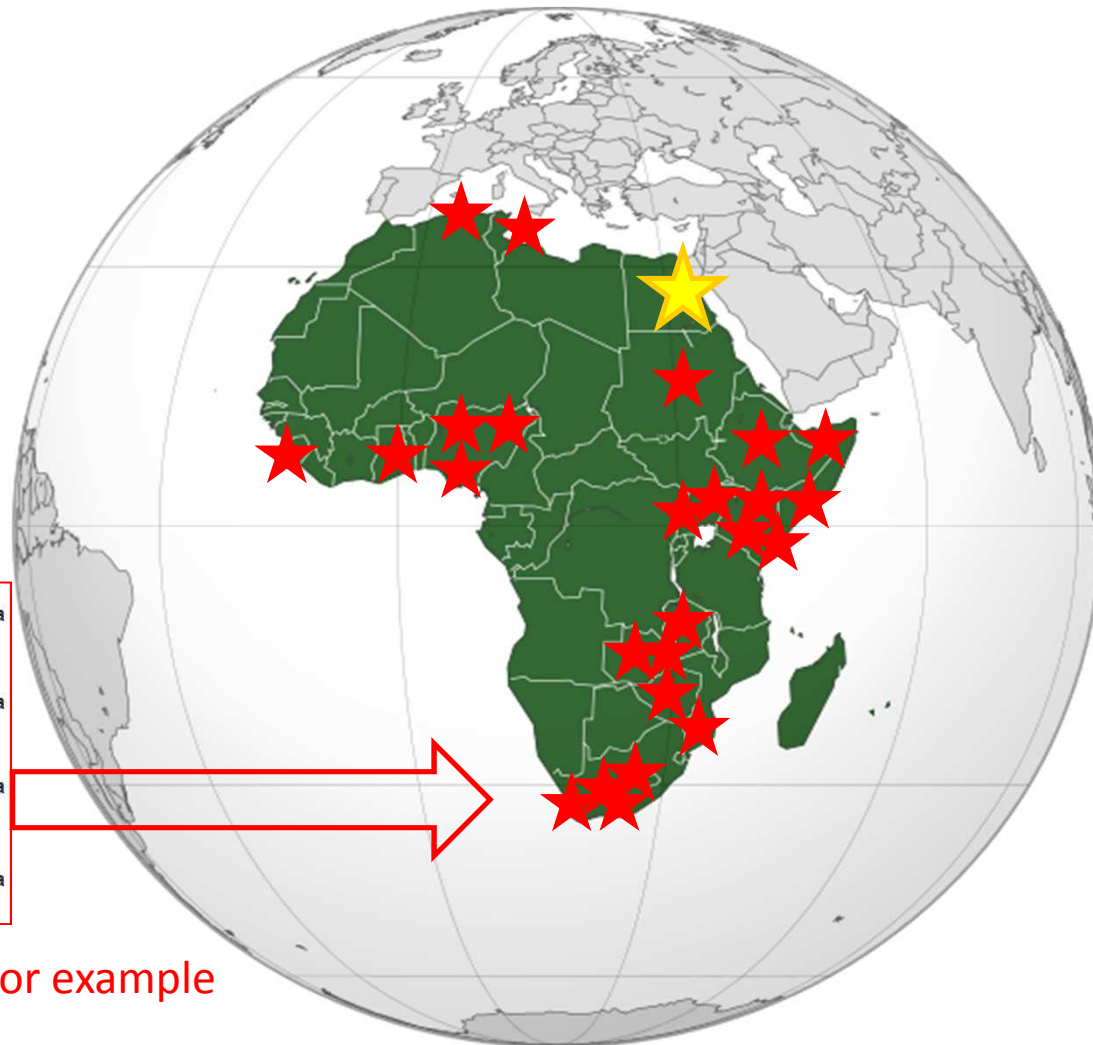
The components of the Research Methods Library of Alexandria are:

1. [Overview of the concepts of Quantitative research \(Ismail Serageldin\)](#)
2. 14 common statistical issues simply explained (e.g. bias, significance testing, etc) **see below**.
3. "BA Supercourse Help Desk" You can post questions to be answered by experts using supercourse.helpdesk.bibalex.org
4. [Research Methods Supercourse](#): We have collected over 1000 PowerPoint lectures from Experts on many different facets of research design
5. [Survey Portal](#): We have identified top quality surveys on Smoking, Physical Activity, Quality of Life, and Disability. These surveys have been translated into at least 8 languages and are available for free for research efforts.
6. Research Apps: Collection of [Apps in Science](#)
7. Central Asian Journal of Global Health ([CAJGH](#))
8. Research Methods Library of Alexandria [Regional Centers](#)
9. Research Methods Library of Alexandria [Books](#)
10. [BA Africa Health Supercourse](#)

We Invited Libraries to have a RMLA Button or link to our on-line RMLA Resources



We have now 27
RMLA Regional
Centers **in Africa**



 UNIVERSITY OF JOHANNESBURG	South Africa
 UNIVERSITY OF KWAZULU-NATAL INYUVESI YAKWAZULU-NATALI	South Africa
 WELCOME TO Stellenbosch University	South Africa
 University of the Witwatersrand, Johannesburg The Library	South Africa

4 Regional Centers in South Africa, for example



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Greek Eudox at the Library of Alexandria, ancient teaching methods

"Searching effectively"
Resource designed by Aida Farha, Medical Librarian, Saab Medical Library, American University of Beirut

Sharjah Uni, UAE - [the official research method course manual in Arabic](#)

Mirror of BA Arabic Research Methods Library of Alexandria

BA Arabic RMLA



[Introduction](#) [Questions and Answers](#) [Dr.Serageldin Course with Arabic Video lectures](#)

يعتمد الترفي الأكاديمي عادة على النشر العلمي، فكلما زاد حجم النشر العلمي زادت الفرص في الحصول على وظيفة أفضل وازادت فرص الترفي، ولكن مع الأسف حوالي 3% فقط من حجم النشر العلمي يأتي من الدول النامية على الرغم من أن 27% من العلماء يقطنون في الدول النامية ويمثل سكان تلك الدول حوالي 80% من سكان العالم.

يرغب الداعون الصغار في كثير من الدول للقيام بكتابة الأبحاث ونشرها بل يتوجب عليهم ذلك، ولكنهم لا يقومون به، والسبب في ذلك يرجع إلى القوي أو التخوف من تصميم البحوث والإحصاءات وعدم القدرة على التواصل مع الأشخاص الذين يمكنهم تقديم المساعدة، حوالي 80% من الأبحاث غير المقبولة للنشر يكون السبب في ذلك هو الافتقار إلى المنهجية الرصيدة.

يسعد مكتبة الإسكندرية أن تقدم مكتبة الإسكندرية للمنهجيات البحثية باللغة العربية، وتعد تلك المكتبة واحدة من أكبر التجميعات الدائمة للمنهجيات البحثية، حيث يمكنك أن تجد اجابة لكل الاسئلة الخاصة بمنهجيات بحثك في تلك المكتبة.

The components of the BA Arabic Research Methods Library of Alexandria are:

1. Overview of the concepts of Quantitative research (Ismail Serageldin) with Arabic Video lectures
2. 12 common statistical issues simply explained (e.g. bias, significance testing, etc) titles translated into Arabic
3. "BA Supercourse Help Desk" You can post questions in Arabic to be answered by experts using supercourse_helpdesk@bib.alex.org address.
4. [Research Methods Supercourse](#): We have collected over 1000 PowerPoint lectures from Experts on many different facets of research design (29 lectures and 33 youtube videos in Arabic see below).
5. [Survey Portal](#): We have identified top quality surveys on Smoking, Physical Activity, Quality of Life, and Disability. These surveys have been translated into Arabic and other languages and available for free for research efforts.
6. [Research Apps](#): Collection of Apps in Science in Arabic
7. [Central Asian Journal of Global Health \(CAJGH\)](#)
8. [Research Methods Library of Alexandria Regional Centers](#)
9. [Research Methods Library of Alexandria Books](#) including links to books in Arabic.
10. [BA Africa Health Supercourse](#)

Lectures in Arabic	Youtube/Mideos in Arabic
	<p>كيف تحول أفكارك إلى حقيقة</p> <p>https://www.youtube.com/watch?v=Lv3fu-</p>

BA Grid, one of the most important forces in science

- During 2015 we collected all the faculty in most of Universities in Africa and Arab World. In addition we are collecting faculty in our 6 main areas of science. We had 54,243 E-mails from African and 28,775 from Arabic countries.
- By February 2016 we identified **847,060** unique E-mail addresses of scientists of the world.

E-mail marketing as Scientific Method



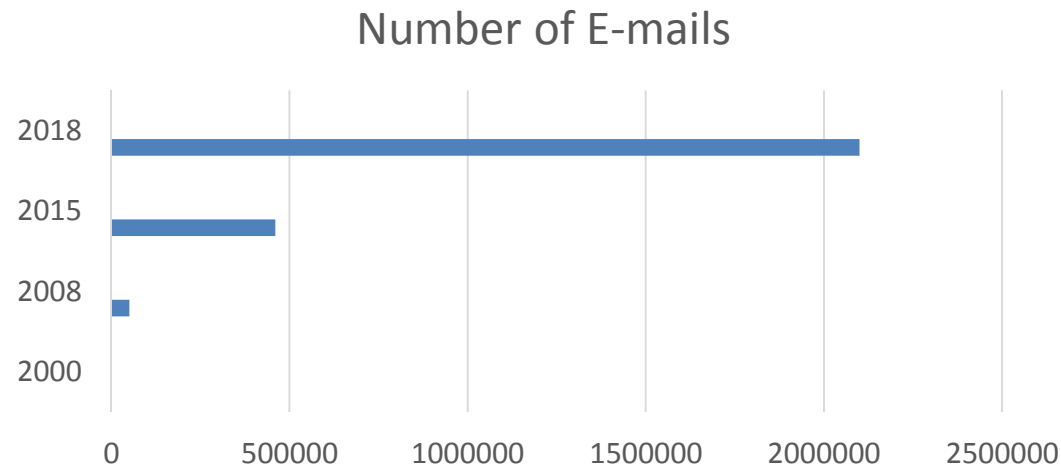
"Fish for Deans" project



<p>www.pitt.edu/~super1</p>  <p>WHO Collaborating Centre, University of Pittsburgh</p>			<p>www.bibalex.org</p>  <p>Library of Alexandria, Alexandria</p>
<p>Youtube</p> <p>Drs. Ronald LaPorte and Faina Linkov</p> <p>Library of Alexandria Scientific Supercourse</p>	<h2>Science Supercourse</h2>	<p>Mission: Building interdisciplinary networks of science, and improving research and training world wide with Scientific Powerpoint lectures on the web</p>	<h2>"Fish for Deans" Project</h2>
<h2>Global health</h2> <p>Deans of Public Health and Medical schools, Heads of National medical associations and public health associations)</p> <p>Our mission is to inform Deans about global health and prevention, and for the faculty to teach their students.</p>	<p>Heads of Global Health Programs</p> <p>Kyle Freese(USA)</p> <p>Heads of Libraries</p> <p>Julianna Tambellini(USA)</p> <p>Kyle Freese(USA)</p> <p>Paula Neilson(USA)</p>	<p>A second component will be to form a global network of faculty and students for the sharing of knowledge and disasters</p> <p>The Deans are the Gate keepers, and what we would like is for them to forward our message to their faculty and students</p>	<h2>Librarian's fishing team</h2> <p>Ghada Farhat (Lebanon)</p> <p>Ronald LaPorte (USA)</p>

BA Grid, one of the most important forces in science. Part 2.

- With the 847,060 scientist found with previous technology, we now have **2,017,921** members of the Library of Alexandria Scientific grid, or 25% of the world's scientists with the Library of Alexandria at the heart.





Summary of Arabic Countries Universities

Total		66,523
North Africa		23,859
Other Arabic		42,664

For creation of this slide we used information received from about 700 African Universities and about 300 Universities in Other Arabic countries

Other African	30,909
All together	97,432




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Legacy Lectures

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Research Methods Library of Alexandria



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[Arabic](#) | [Chinese](#) | [English](#) | [Japanese](#) | [Persian](#) | [Russian](#) | [Spanish](#) | [Tagalog](#)

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2. 14 common statistical issues simply explained (e.g. bias, significance testing, etc) **see below**.
3. "[BA Supercourse Help Desk](#)" You can post questions to be answered by experts using supercourse.helpdesk.bibalex.org
4. [Research Methods Supercourse](#): We have collected over 1000 PowerPoint lectures from Experts an many different facets of research design
5. [Survey Portal](#) : We have identified top quality surveys on Smoking, Physical Activity, Quality of Life, and Disability. These surveys have been translated into at least 8 language and available for free for research efforts.
6. Research Apps: Collection of [Apps in Science](#)
7. Central Asian Journal of Global Health ([CAJGH](#))
8. Research Methods Library of Alexandria [Regional Centers](#)
9. Research Methods Library of Alexandria [Books](#)
10. [BA Africa Health Supercourse](#)

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