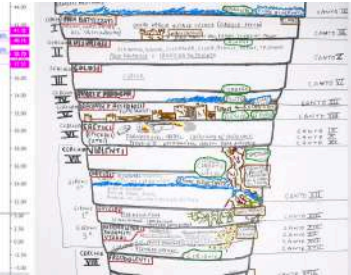
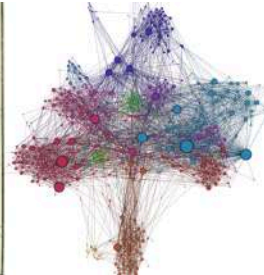


```
# for details, see https://review.docs.microsoft.com/en-us/visualstudio/ctvs/sql-server
# Test code
library(RODBC)
channel <- odbcDriverConnect(dbConnection)
InputDataSet <- sqlQuery(channel, iconv(paste(readlines(
  'c:/proj/rproject1/rproject1/storedprocedure.query.sql',
  encoding = 'UTF-8', warn = FALSE), collapse = '\n'), from = 'UTF-8',
  to = 'ASCII', sub = ''))
odbcClose(channel)
OutputDataSet <- InputDataSet
```



Mapping_Intro

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giovannipetrovitali@gmail.com

<https://github.com/digitalkoine>

<https://ucc-ie.academia.edu/GiovanniPietroVitali>

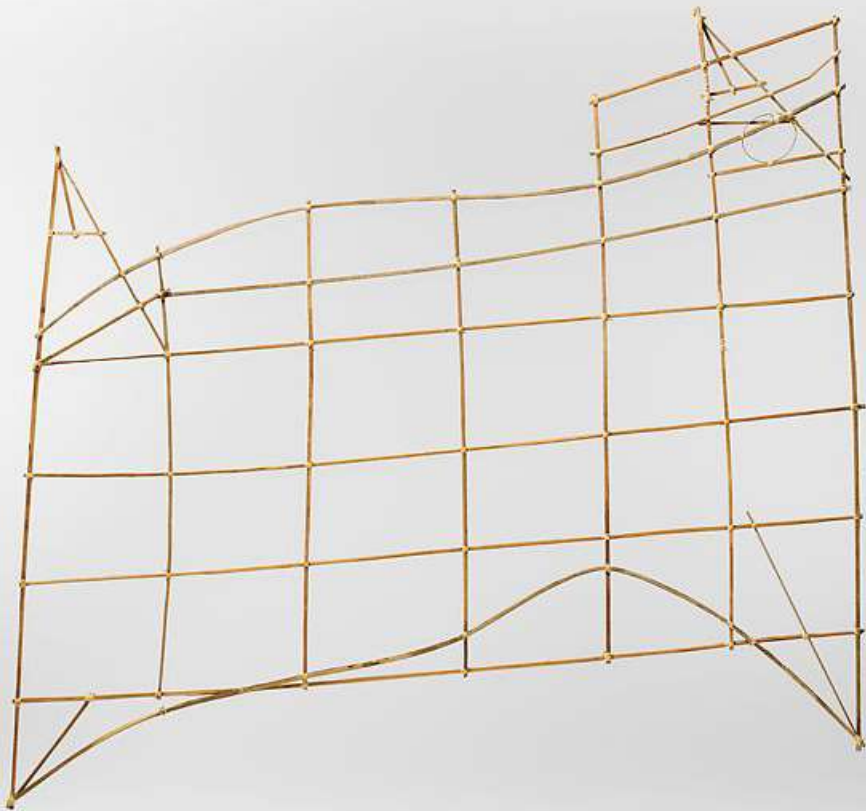


UCC

Coláiste na hOllscoile Corcaigh, Éire
University College Cork, Ireland



What is a map?



Navigational Chart (*Rebbilib*)

Marshallese people, Marshall Islands, 19th–early 20th century
Coconut midrib, fiber

The Michael C. Rockefeller Memorial Collection, Gift of the Estate of Kay Sage
Tanguy, 1963 (1978.412.826)

In the Marshall Islands, navigation was, and remains, a crucial skill on which the lives of the navigators and all who sailed with them depended. In the past, knowledge of the art of navigation was a closely guarded secret, handed down within certain chiefly families. To assist in recalling and imparting aspects of navigational knowledge, navigators constructed diagrams representing different portions of the archipelago. Typically made from the stick-like midribs of coconut palm fronds, these objects were memory aids, created for personal use or to instruct novices, and the exact significance of each was known only to its maker. The charts were exclusively used on land, prior to a voyage. To carry one at sea would put a navigator's skill in question.

The charts indicate the positions of islands, but they primarily record features of the sea. Marshallese navigation was based largely on the detection and interpretation of the patterns of ocean swells. Much as a stone thrown into a pond produces ripples, islands alter the orientation of the waves that strike them, creating characteristic swell patterns that can be detected and used to guide a vessel to land. It is the presence and intersection of swells and other marine phenomena, such as currents, that are primarily indicated on the charts.

🎧 1186 F

🎧 1755

M. Matrakçı Nasuh - State man of the Ottoman Empire:



- teacher,
- historical,
- sailor,
- inventor,
- Farmer,
- mathematician,
- geographer,
- cartographer,
- painter,
- miniaturist.

What is a map?

Istanbul - Turkey



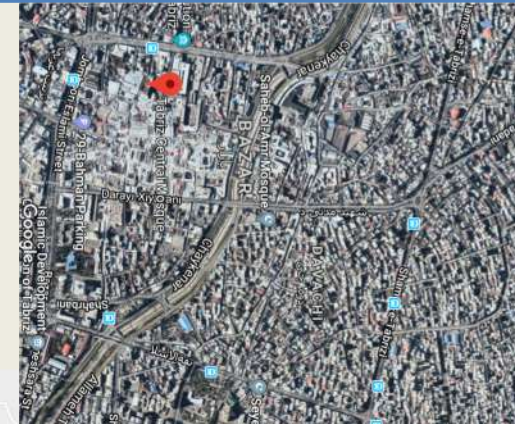
Soltaniyeh - Iran



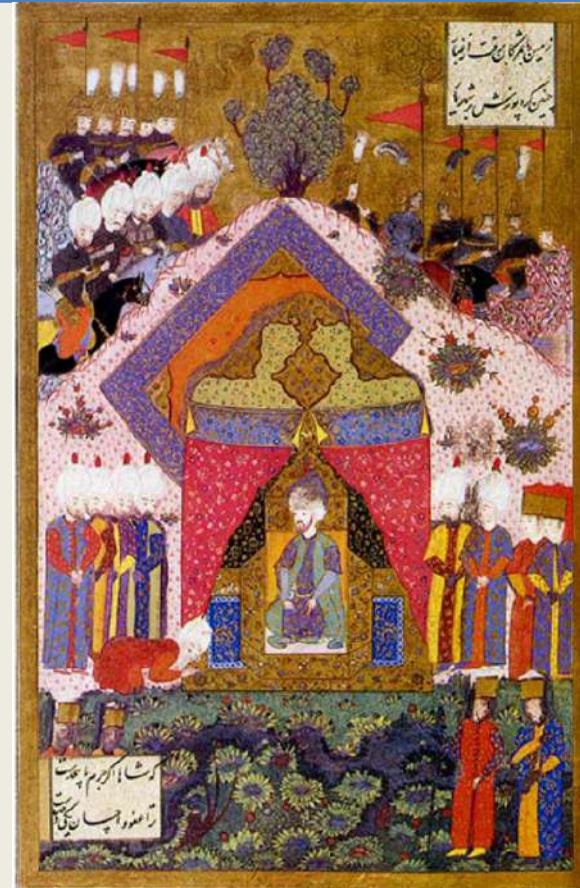
Matrakci Nasuh,
Soltaniyeh Map, XVI century.



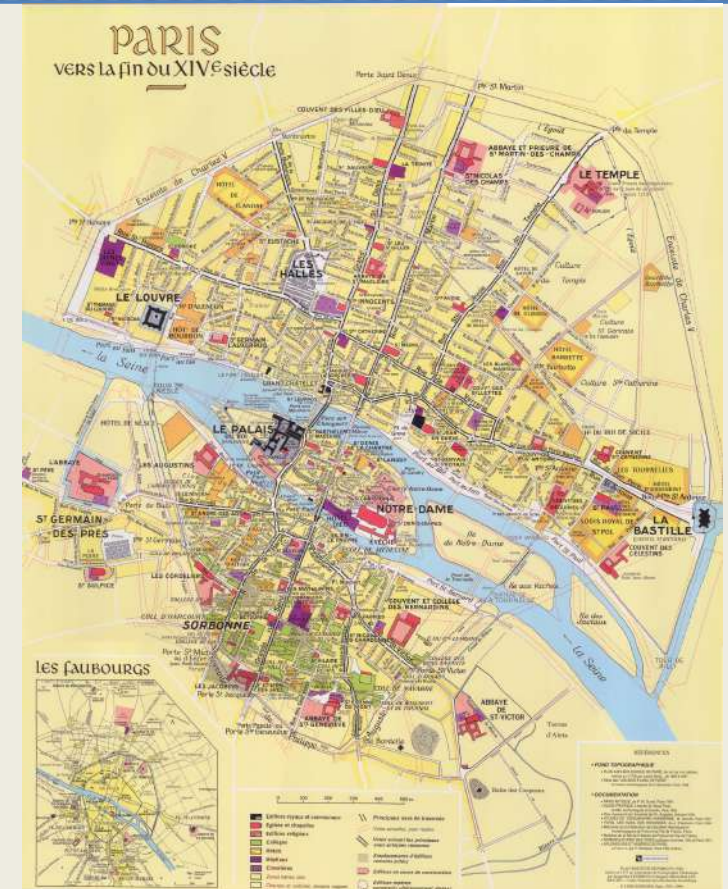
Tabriz - Iranian Azerbaïdjan



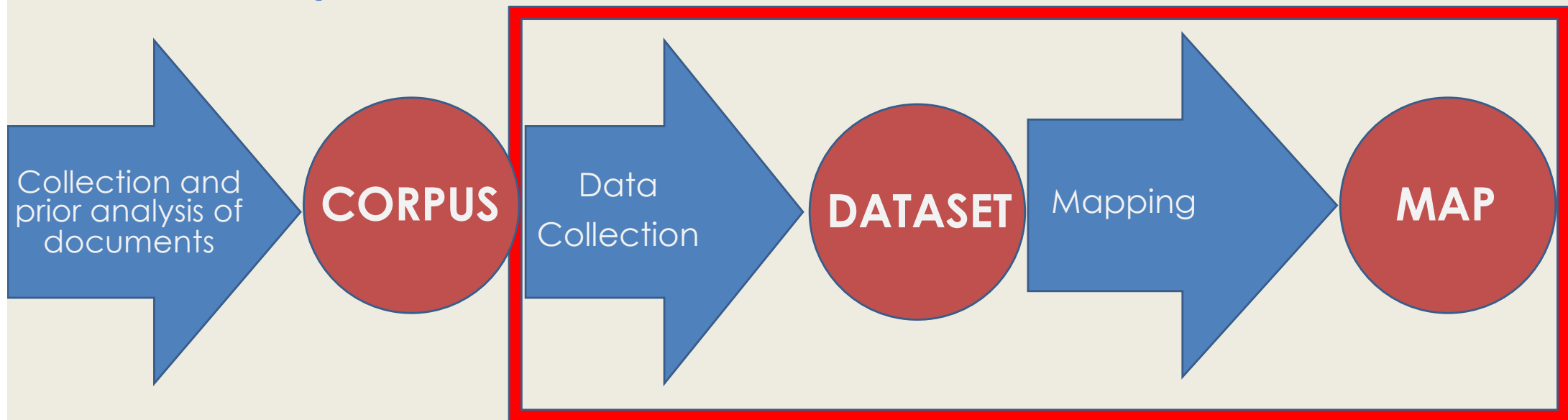
What is a map?



What can we do with a digital map?



What should a digital cartographer do?



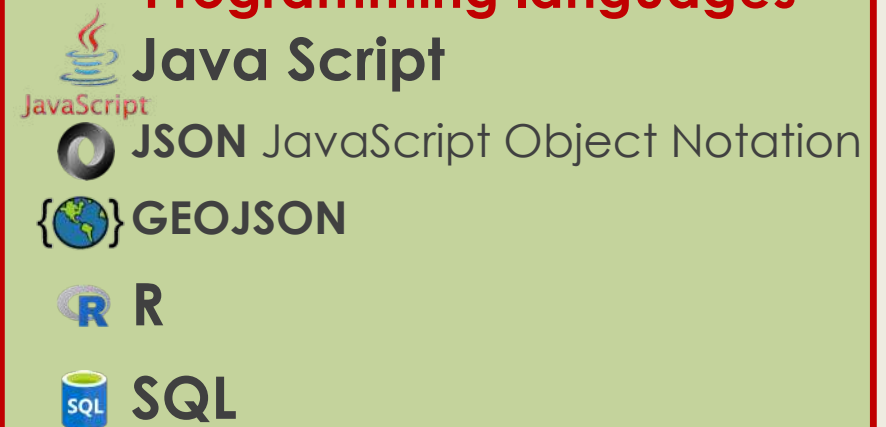
Logiciels



Applications



Programming languages



Online Applications



CSV Format

GOLDEN LISTS

File Edit View Insert Format Data Tools Add-ons Help Last edit was made 2 hours ago by Zach Napolitano

fx First Name

	A	B	C	D	E	F	G
1	First Name	Last Name	Email	Company	Job Title	Lists	Tags
2	Buckaroo	Banzai	buckaroo@oneclipboard.com	Wonka Industries	VP of Misc. Stuff	Table 1, VIP	Tech
3	Snake	Plissken	snake@oneclipboard.com	Wonka Industries	Director of First Impressions	Table 2	Sports
4	Eve	Harrington	eve.harrington@oneclipboard.com	Wonka Industries	Arts and Crafts Designer	Table 3	Finance
5	Sidney	Mussburger	sidney@oneclipboard.com	Stark Industries	Director, Ethical Hacking	table 1	Government, Nuclear
6	Charles	Kane	charles.kane@oneclipboard.com	Stark Industries	Master of Disaster	table 2	Education
7	Donnie	Darko	donniedarko@oneclipboard.com	Stark Industries	Crayon Evangelist	Table 1	Engineering
8	Santanico	Pandemonium	santanico@oneclipboard.com	Stark Industries	Creator of opportunities	Table 2	Automotive
9	Broomhilda	von Shaft	broomhilda@oneclipboard.com	Stark Industries	Ambassador of buzz	Table 3	AI
10	Barton	Fink	barton.fink@oneclipboard.com	Gekko & Co	Chief Cheerleader	table 1, VIP	Legal
11	CC	Baxter	cc.baxter@oneclipboard.com	Gekko & Co	Chief Amazement Officer	table 2	Healthcare
12	Cosmo	Brown	cosmo.brown@oneclipboard.com	Gekko & Co	Chief robot whisperer	Table 1	Tech
13	Lili	Von Shtupp	vonshtupp@oneclipboard.com	Gekko & Co	Director of bean-counting	Table 2	Sports
14	Vincent	Vega	vince.vega@oneclipboard.com	Gekko & Co	Software ninjaneer	Table 3	Finance
15	Sy	Snootles	sy@oneclipboard.com	Wayne Enterprises	Digital overlord	table 1, VIP	Government
16	Lancaster	Dodd	lancaster@oneclipboard.com	Wayne Enterprises	Wizard of light bulb moments	table 2	Education
17	Verbal	Kint	verbal@oneclipboard.com	Wayne Enterprises	Social Media Trailblazer	Table 1	Engineering
18	Vincent	Majestyk	vince.majestyk@oneclipboard.com	Wayne Enterprises	World Changer	Table 2	Automotive
19	Max	Dembo	max.dembo@oneclipboard.com	Cyberdyne Systems	VP of Misc. Stuff	Table 3	AI
20	Archer	Maggot	archer@oneclipboard.com	Cyberdyne Systems	Director of First Impressions	table 1	Legal
21	Lee	Christmas	lee.xmas@oneclipboard.com	Cyberdyne Systems	Arts and Crafts Designer	table 2	Healthcare
22	Elle	Driver	elle.driver@oneclipboard.com	Cyberdyne Systems	Director, Ethical Hacking	Table 1, VIP	Tech
23	Phillip	Vandamm	phil.vandamm@oneclipboard.com	Duff Beer	Master of Disaster	Table 2	Sports
24	Cole	Trickle	cole.trickle@oneclipboard.com	Sterling Cooper	Crayon Evangelist	Table 3	Finance

```
adjusters.csv
1 ID,Firstname,pyLabel,HourlyRate,PhoneNumber
2 1,John,Smith,25.00,678-999-0001
3 2,Ted,Turner,175.25,+1-676-676-6666
4 3,Frederick,Jones,50.00,111 222 3333
5 4,Alice,Miller,75,561-999-8888
```

+ Basic List Copy of Basic List Standard Copy of Standard GOLDEN Copy of GOLDEN UMG VIEWING PARTY AMEX

What can you do with a digital map?



geographer

Representing
geographical
information



Coordinates first!



For managing
complex content.

Share the links!

Online mapping services often provide links that are too long to be passed on.

Using an app to shorten links is good practice.

Bitly

<https://bitly.com/>

The most complete

bit.ly Shorten, share, and track your links

Tiny URL

<https://linkbun.ch/>

The best known

TinyURL.com

Linkbunch

<https://linkbun.ch/>

All links in one

LinkBunch ESTD 2010

Bitly



https://app.bitly.com/Bj16gbesUV3/bitlinks/



Cerca



BITLINKS



SEARCH



CREATE



O_QHG



☒ Date Created ☐ Top Performing

Upgrade



DEC 07 - JAN 06



0
TOTAL CLICKS



0
TOP REFERRER



0
TOP LOCATION



No data to report

Try creating a Bitlink and sharing it!

DEC 13

DEC 20

DEC 27

JAN 3

Hide Chart

0 Bitlinks

Clicks all time



No Bitlinks

Click the "create bitlink" button to get started!

No Bitlink Selected

https://app.bitly.com/Bj16gbesUV3/bitlinks/

...

Cerca

|||

BITLINKS

SEARCH

CREATE

O_QHG

Date Created

Top Performing

0

TOTAL CLICKS

0

TOP REFERRER

0

TOP LOCATION

No data to report

Try creating a Bitlink and sharing it!

DEC 13

DEC 20

DEC 27

JAN 3

Hide Chart

BITLINK

CAMPAIGN

DEC 07 - JAN 06

CAD

Come accorciare i

aranzulla.it/accorciare

aranzulla.it/accorciare

aranzulla.it/accorciare

html Abbreviare gli URL

trim shortener

The 8 Best Altern

TinyURL.com - sh

Bitly | Bitlink M

←

→

↺

🏠

🔒

https://app.bitly.com/Bj16gbesUV3/bitlinks/2Fcf8Xj?actions=create

...

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Cerca

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BITLINKS

▼

🔍

SEARCH

CREATE BITLINK

✕

📅

Date Created

📈

Top Performing

0

TOTAL CLICKS

0

TOP REFERRER

0

TOP LOCATION

📊

No data to report

Try creating a Bitlink and sharing it!

DEC 13

DEC 20

DEC 27

Hide Chart

1 Bitlink

Clicks all time

JAN 6

☐ StoryMapJS: Paris dans Bel-Ami de

bit.ly/2Fcf8Xj

0 alba

CREATED JAN 6, 4:14 PM

StoryMapJS: Paris dans Bel-Ami de Maupassant

https://uploads.knightlab.com/storymapjs/63e59d585135787e1ee85ffaab344b68/paris-c

bit.ly/2Fcf8Xj

COPY

SHARE

EDIT

0 alba

TOTAL CLICKS

CREATE



BITLINKS



SEARCH



CREATE



O_QHG

☒ Date Created ☐ Top Performing

Upgrade



DEC 07 - JAN 06



0

TOTAL CLICKS



0

TOP REFERRER



0

TOP LOCATION



No data to report

Try creating a Bitlink and sharing it!

DEC 13

DEC 20

DEC 27

JAN 3

^ Hide Chart

2 Bitlinks

Clicks all time

JAN 6



Elementi citati in Vasco Pratolini

bit.ly/2AyUuxD

0

JAN 6



StoryMapJS: Paris dans Bel-Ami de

bit.ly/2FcF8Xj

0

CREATED JAN 6, 5:29 PM

Elementi citati in Vasco Pratolini

<https://koine82.carto.com/builder/52ab0925-eed1-4ece-abba-0c49a4d97b15/layers>bit.ly/2AyUuxD

COPY

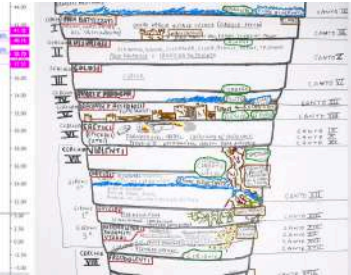
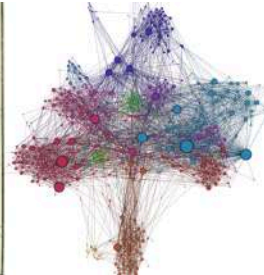
SHARE

EDIT

0

TOTAL CLICKS


```
# for details, see https://review.docs.microsoft.com/en-us/visualstudio/ctvs/sql-server
# Test code
library(RODBC)
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OutputDataSet <- InputDataSet
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Mapping_Intro

_end

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<https://ucc-ie.academia.edu/GiovanniPietroVitali>



ucc

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