Data Acquisition	Data Analysis	Data Curation	Data Storage	Data Usage
• Structured data • Unstructured data • Event processing • Sensor networks • Protocols • Real-time • Data streams • Multimodality	• Stream mining • Semantic analysis • Machine learning • Information extraction • Linked Data • Data discovery • 'Whole world' semantics • Ecosystems • Community data analysis • Cross-sectorial data analysis	• Data Quality • Trust / Provenance • Annotation • Data validation • Human-Data Interaction • Top-down/Bottom-up • Community / Crowd • Human Computation • Curation at scale • Incentivisation • Automation • Interoperability	• In-Memory DBs • NoSQL DBs • NewSQL DBs • Cloud storage • Query Interfaces • Scalability and Performance • Data Models • Consistency, Availability, Partition-tolerance • Security and Privacy • Standardi...	• Decision support • Prediction • In-use analytics • Simulation • Exploration • Visualisation • Modeling • Control • Domain-specific usage

REPORTING

PROCESS from

Audit

cutycapt – Utility to capture WebKit's rendering of a web page

```
root@kali:~# cutycapt --help

------------------------------------------------------------------

Usage: CutyCapt --url=http://www.example.org/ --out=localfile.png

------------------------------------------------------------------

 --help                       Print this help page and exit
 --url=<url>                  The URL to capture (http:...|file:...|...)
 --out=<path>                 The target file (.png|pdf|ps|svg|jpeg|...)
 --out-format=<f>             Like extension in --out, overrides heuristic
 --min-width=<int>            Minimal width for the image (default: 800)
 --min-height=<int>           Minimal height for the image (default: 600)
 --max-wait=<ms>              Don't wait more than (default: 90000, inf: 0)
 --delay=<ms>                 After successful load, wait (default: 0)
 --user-style-path=<path>     Location of user style sheet file, if any
 --user-style-string=<css>    User style rules specified as text
 --header=<name>:<value>      request header; repeatable; some can't be set
 --method=<get|post|put>      Specifies the request method (default: get)
 --body-string=<string>       Unencoded request body (default: none)
 --body-base64=<base64>       Base64-encoded request body (default: none)
 --app-name=<name>            appName used in User-Agent; default is none
```

pipal – Statistical analysis on password dumps

```
root@kali:~# pipal -h
pipal 2.0 Robin Wood (robin@digininja.org) (www.digininja.org)


Usage: pipal [OPTION] ... FILENAME
    --help, -h: show help

    --top, -t X: show the top X results (default 10)

    --output, -o <filename>: output to file

    --external, -e <filename>: external file to compare words against

    --gkey <Google Maps API key>: to allow zip code lookups (optional)


    FILENAME: The file to count
```

RecordMyDesktop is a standalone utility which allows you to record what is displayed on your screen in real-time (-or near real-time). This is useful for producing online training packages and tutorials (-such as our own video tutorials). This provides a much better quality output (-i.e. free from shadows and lighting / positioning problems) than filming your screen with a video camera (-again, see our early tutorials, which were shot using a digital camera for the contrast in quality).

When you run **RecordMyDesktop** is a utility which allows you to record what is displayed on your screen in real-time (-or near real-time). This is useful for producing online training packages and tutorials (-such as our own video tutorials). This provides a much better quality output (-i.e. free from shadows and lighting / positioning problems) than filming your screen with a video camera (-again, see our early tutorials, which were shot using a digital camera for the contrast in quality).

Installing RecordMyDesktop

If you are running a **Debian** based distro, such as Ubuntu, then **RecordMyDesktop** can be installed from the command line by typing:

```
sudo apt-get install recordmydesktop gtk-recordmydesktop
```

For Fedora, then **RecordMyDesktop** can be installed using the command:

```
sudo yum install gtk-recordmydesktop
```

You can also search your Software Centre for it and install it from there!

Running RecordMyDesktop from the Command Line

RecordMyDesktop can be run from the command line using the command:

```
recordmydesktop [<Output Filename>]
```