

I  VisiData

PyLadies Dublin

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Michael Twomey

**Who am I?**

# Michael Twomey

Senior Cloud Architect  
at fourTheorem

I help clients with  
AWS and Python  
development

I've been working with  
messy data for 20+  
years

Messy data isn't just  
for Data Scientists 😏

I'm an unashamed UNIX  
user

I live in the terminal  
(most of the time)

I like Terminal  
based  
applications

I frequently have  
to deal with  
random data

**What is  
VisiData?**

<https://visidata.org/>

**ViSiDATA**

Docs

Releases

Credits

Blog

GitHub

Install →

# Data exploration at your fingertips.

VisiData is an interactive multitool for tabular data. It combines the clarity of a spreadsheet, the efficiency of the terminal, and the power of Python, into a lightweight utility which can handle millions of rows with ease.

Install →

Tutorial

name	<county	job_title	grade	#	base_salary	\$	aw>
ALVAREZ, JUAN M	FRESNO	GENERAL EDUCATION ...	12		68,809.00		750
BOYD, CLAUDE A	DISTRICT OF COLUMB...	OFC AUTOMATION CLE...	4		31,471.00		0
BRITT, ROBERT E	DISTRICT OF COLUMB...	MISCELLANEOUS CLER...	5		34,075.00		0
CASTRO, JESSICA	DISTRICT OF COLUMB...	ADMIN AND OFFICE S...	7		42,209.00		750
CHASTANG, LINDA EAR...	DISTRICT OF COLUMB...	MISCELLANEOUS ADMI...	14		136,771.00		0
CHAVEZ, CHRISTINE	DISTRICT OF COLUMB...	MISCELLANEOUS ADMI...	13		89,033.00		0
CLIFFORD, CAROL L	DISTRICT OF COLUMB...	MISCELLANEOUS ADMI...	0		129,394.00		0
CORTEZ, SANDRA A	DISTRICT OF COLUMB...	GENERAL EDUCATION ...	13		94,969.00		0
DE LA GARZA, RUBY S	HIDALGO	GENERAL EDUCATION ...	12		68,809.00		750
DIAZ, VLADIMIR A	MIAMI-DADE	GENERAL EDUCATION ...	12		80,085.00		11...
DOUGLAS, WALTER W	LEXINGTON	MISCELLANEOUS ADMI...	14		125,695.00		0
FLORES, MARILOU	DISTRICT OF COLUMB...	MISCELLANEOUS ADMI...	12		87,350.00		0
GARDNER, KURT J	MADISON	MISCELLANEOUS ADMI...	13		97,015.00		0
GOLDBERG, MARIA	DISTRICT OF COLUMB...	MISCELLANEOUS ADMI...	15		152,635.00		20...
GONZALEZ, ROBERTO JR	IMPERIAL	GENERAL EDUCATION ...	12		82,570.00		11...
GUY, DWIGHT N	LOGAN	MISCELLANEOUS ADMI...	13		95,459.00		750
HARTSFIELD, LARRY D	GUILFORD	MISCELLANEOUS ADMI...	13		92,732.00		12...
HODGE, HORACE D	WALLER	MISCELLANEOUS ADMI...	12				750
JAMES, KRISTEN	DISTRICT OF COLUMB...	MISCELLANEOUS CLER...	4		30,456.00		0
JOHNSON, ALLISON C	EAST BATON ROUGE	MISCELLANEOUS ADMI...	13		87,278.00		750
KOZISKI, STEPHANIE ...	DISTRICT OF COLUMB...	MANAGEMENT AND PRO...	13		109,807.00		14...
MARTIN, KARLA A	DISTRICT OF COLUMB...	MISCELLANEOUS ADMI...	14		105,211.00		21...
MC LAREN, ANTONIO A	PETERSBURG	MISCELLANEOUS ADMI...	13		91,826.00		12...
MILLER, PIA M	DISTRICT OF COLUMB...	GENERAL BUSINESS A...	12		87,350.00		0
FederalEmployeeSalaries-2012					# 1350593 rows		

# Is VisiData for You?

If you hate the terminal  
definitely not!

```
pip install visidata  
vd myfile.csv
```

```
pipx run visidata myfile.csv
```

If you love Excel and are  
proficient in it, probably  
not

If you hate learning  
keybindings this isn't for  
you!

**Demo Time!**



# **Titanic Dataset**

# The Complete Titanic Dataset

```
pip install xlrd  
vd titanic3.xls
```

**shift+f** to get some stats

<https://bit.ly/kaggle-titantic3>

**%** to make a column a number

**!** to flag a primary column

**.** to plot a graph

**=** for a new column using python



# **Irish Cars**

# Beep Beep

<https://stats.beepbeep.ie>

`d` to delete rows

`^` to edit a column header

`g^` to set all empty headers to current row

`+` then `sum` to set sum on totals

`shift+f` to get aggregates by manufacturer

`enter` to filter by manufacturer



# **Irish Properties**

# House Prices 🤔

<https://propertypriceregister.ie>



```
vd --encoding=windows-1252 PPR-ALL.csv.gz
```

\$ for currency

# Thank You!

<https://github.com/micktwomey/visidata-talk>

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