ACCESSIBLE BAR GRAPHS

IN HTML AND CSS
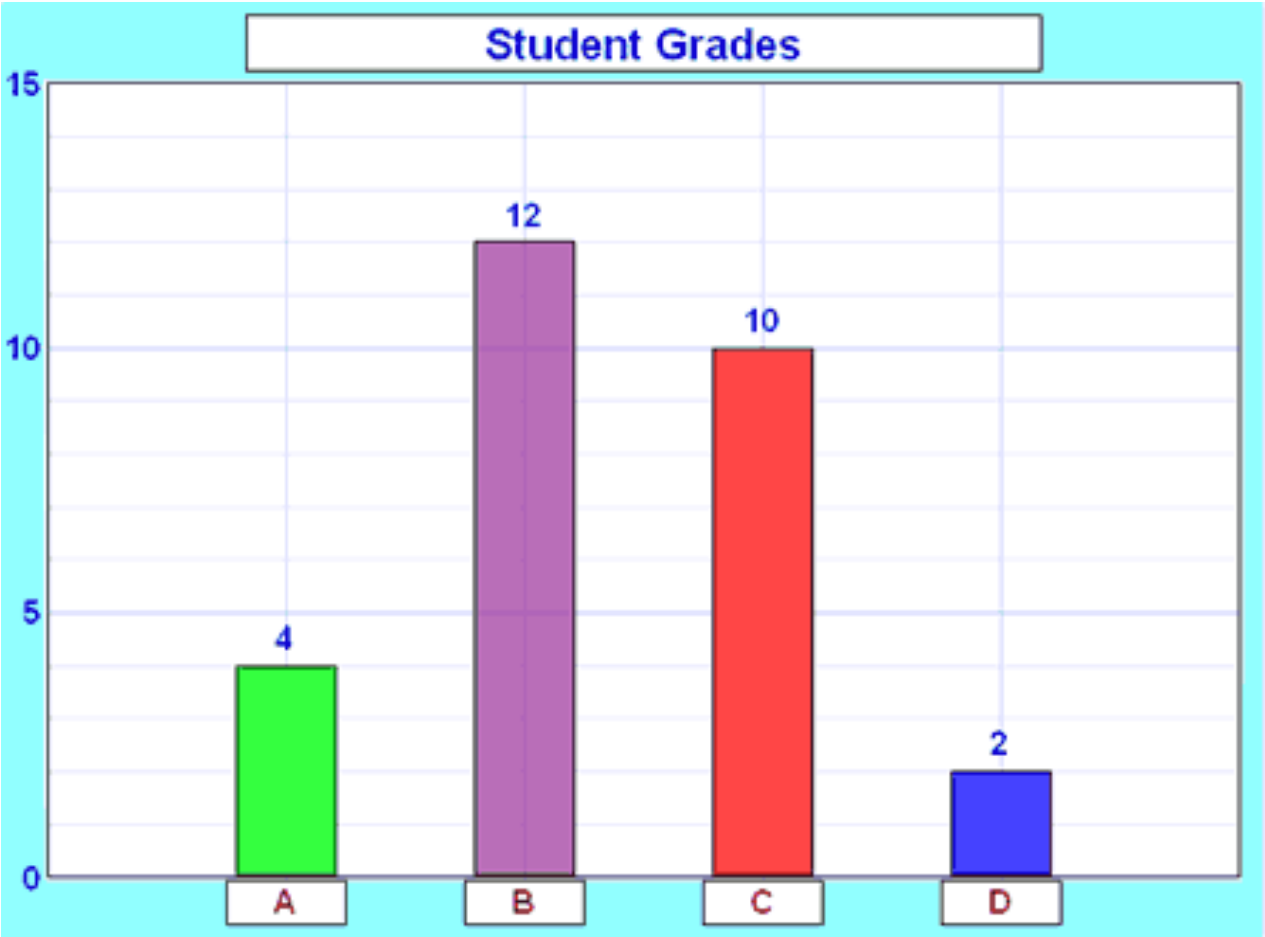
Adina Halter
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Comcast

Problem

Tables vs Graphed Table Data

Color Names in Multiple Languages

Color	Spanish	French	Irish	Welsh
Black	negro	noir	dubh	du
White	blanco	blanc	bán	gwyn
Red	rojo	rouge	ruadh	coch
Blue	azul	bleu	gorm	glas
Green	verde	vert	glas	gwyrdd
Yellow	amarillo	jaune	buí	melyn

Student Grades

- A: 4
- B: 12
- C: 10
- D: 2

GRAPHS ARE VISUAL

TABLES ARE BORING…

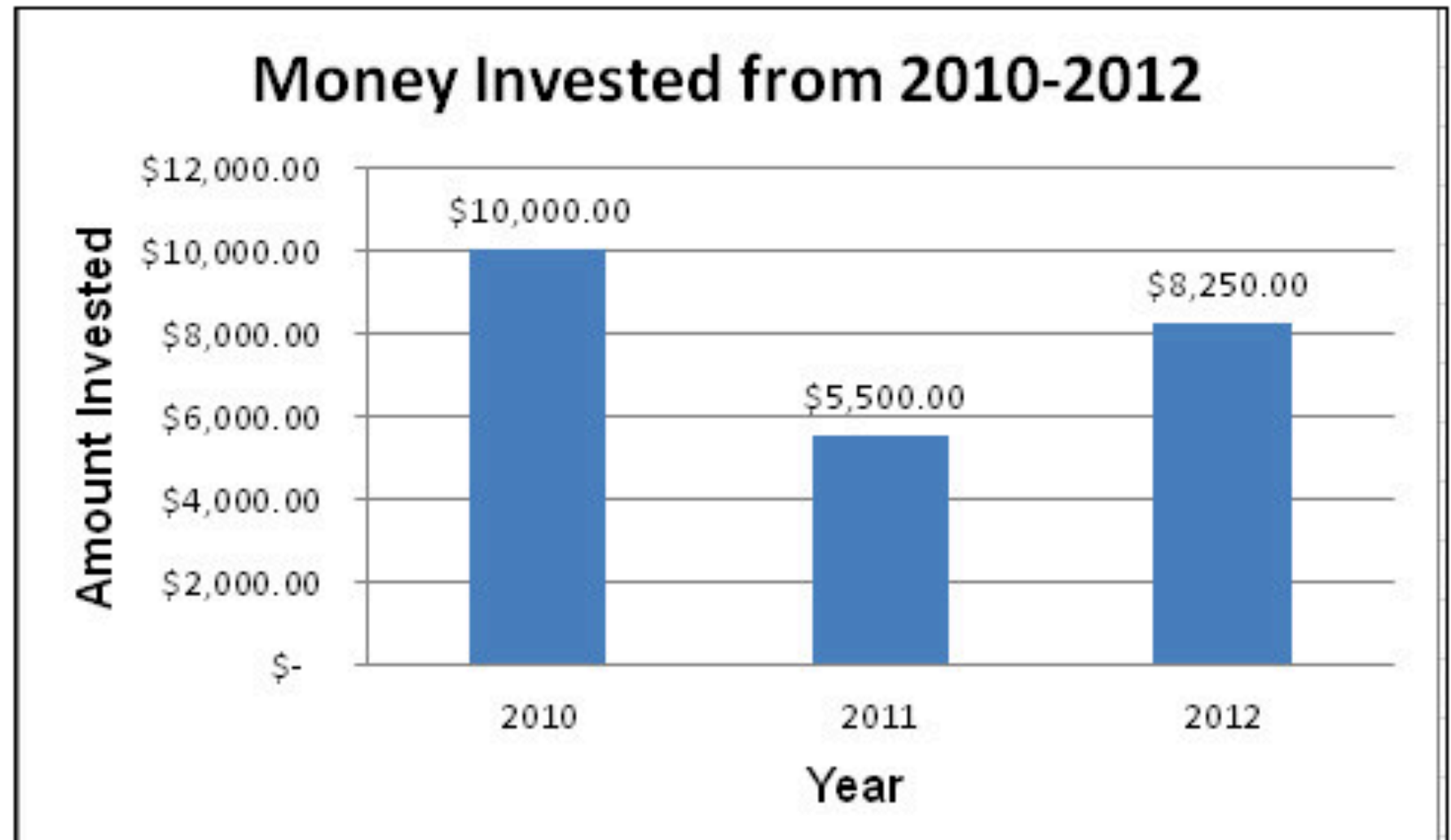| Top Grossing Movies of 2008					
Rank	Movie	Distributor	Genre	MPAA	2008 Gross	Tickets Sold
1	The Dark Knight	Warner Bros.	Action	PG-13	$ 512,374,922.00	74,473,099
2	Iron Man	Paramount Pictures	Action	PG-13	$ 318,022,539.00	46,224,206
3	Indian Jones and the Kingdom of the Crystal Skull	Paramount Pictures	Adventure	PG-13	$ 316,244,191.00	45,965,725
4	Hancock	Sony Pictures	Action	PG-13	$ 227,946,274.00	33,131,726
5	WALL-E	Buena Vista	Comedy	G	$ 219,433,299.00	31,894,375
6	Kung Fu Panda	Paramount Pictures	Adventure	PG	$ 214,265,067.00	31,143,178
7	Horton Hears a Who	20th Century Fox	Adventure	G	$ 154,529,187.00	22,460,638
8	Sex and the City	New Line	Comedy	R	$ 152,600,147.00	22,180,254
9	The Chronicles of Narnia: Prince Caspian	Buena Vista	Adventure	PG	$ 141,614,023.00	20,583,434
10	Mamma Mia!	Universal	Musical	PG-13	$ 136,668,530.00	19,864,612
11	The Incredible Hulk	Universal	Adventure	PG-13	$ 134,533,885.00	19,554,344
12	Wanted	Universal	Action	R	$ 134,178,500.00	19,502,689
13	Get Smart	Warner Bros.	Comedy	PG-13	$ 128,610,088.00	18,693,327
14	Juno	Fox Searchlight	Comedy	PG-13	$ 117,477,046.00	17,075,152
15	The Mummy: Tomb of the Dragon Emperor	Universal	Adventure	PG-13	$ 100,655,710.00	14,630,190
16	You Don't Mess With the Zohan	Sony Pictures	Comedy	PG-13	$ 100,018,837.00	14,537,622
17	Step Brothers	Sony Pictures	Comedy	R	$ 99,482,654.00	14,459,688
18	Tropic Thunder	Paramount Pictures	Comedy	R	$ 97,712,057.00	14,202,334
19	Journey to the Center of the Earth	New Line	Adventure	PG	$ 96,742,056.00	14,061,345
20	National Treasure: The Book of Secrets	Buena Vista	Adventure	PG	$ 94,886,090.00	13,791,583

…EVEN WHEN YOU ADD COLOR

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1		January	February	March	April	May	June	July	August	September	October	November	December	Y-T-D Total
2	Sold Price	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
3	Shipping Charge	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
4	Insurance Charge	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
5	**Sales**	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$0.00**
6	Item Cost	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
7	Shipping Cost	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
8	**Expenses**	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$0.00**
9	Insertation Fees	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
10	eBay FVF	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
11	PayPal Fees	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
12	**Fees**	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$0.00**
13	Adjustments	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
14	**TOTAL**	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
15														
16														
17														
18														

COMCAST TECHNOLOGY & PRODUCT xfinity

Current Methods

IMAGE WITH DESCRIPTION

- Triangulate data?

- Descriptive?

- Maintenance

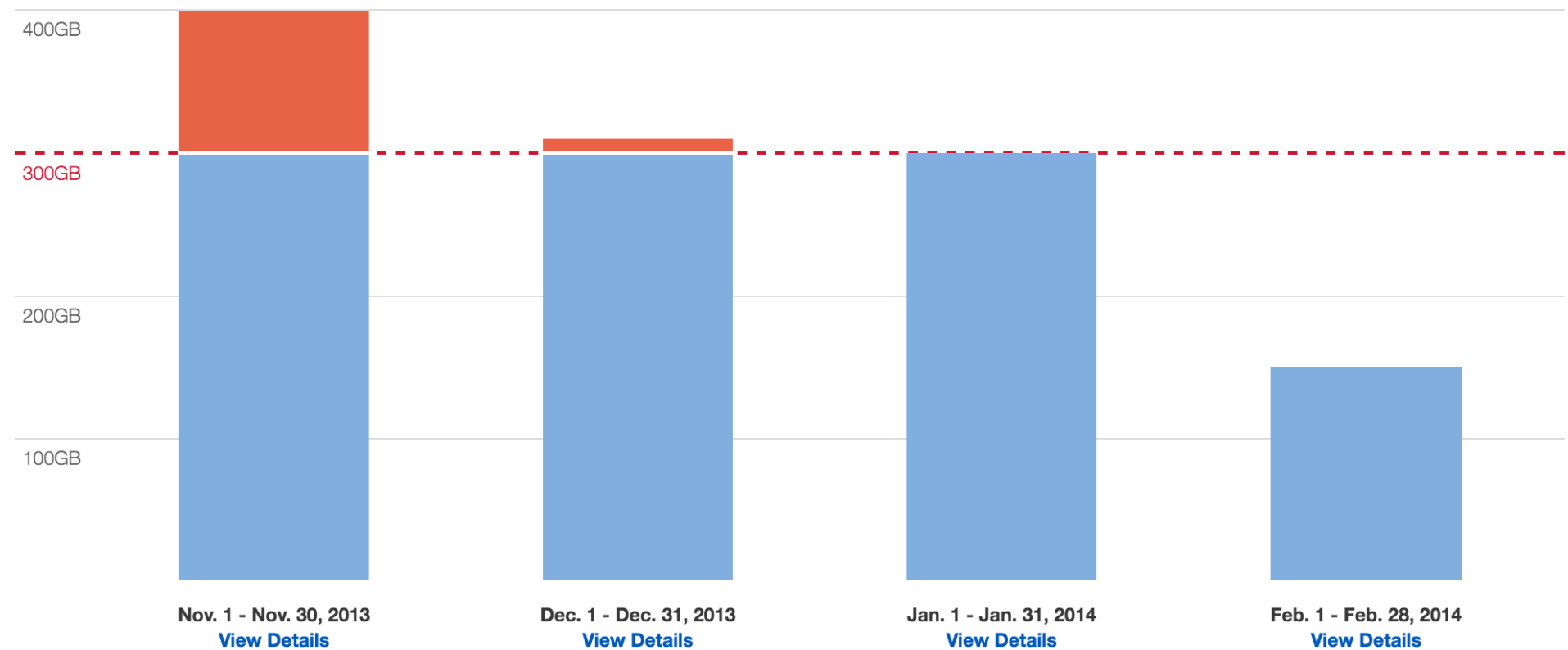# GRAPH + TABLE

- 2X code
- 2X real-estate

JAVASCRIPT PLUGINS

- Milliseconds count

- JSON data?

- Accessible?

- Support?

Our Solution

OUR SOLUTION

- HTML

- CSS

- No JS

- **It's only a table!!**

400GB

300GB

200GB

100GB

| Nov. 1 - Nov. 30, 2013 | Dec. 1 - Dec. 31, 2013 | Jan. 1 - Jan. 31, 2014 | Feb. 1 - Feb. 28, 2014 |
| View Details | View Details | View Details | View Details |

SOLUTION EXAMPLE

http://haltersweb.github.io/accessibility/barchart.html

COMCAST TECHNOLOGY & PRODUCT xfinity

STUMBLING BLOCKS

<thead>

<tfoot>

Resources

LINKS AND CONTACT INFO

- Helpful links

  - Link to solution: http://haltersweb.github.io/Accessibility/barchart.html

  - Link to powerpoint slides:
    http://haltersweb.github.io/Accessibility/slides/barchart.pptx

  - Link to word version of slides:
    http://haltersweb.github.io/Accessibility/slides/barchart.docx

- Adina Halter

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