

# Graphic Design 101

Five More Topics for Software Designers

16.Sept.2014

Ben Salinas

In your groups, discuss the screenshots you brought in.  
What makes them visually appealing?  
What makes them visually appalling?

Think about Contrast, Repetition, Alignment, and Proximity  
(from the reading).

Principles from The Non-Designer's Design Book

Repetition

Contrast

Alignment

Proximity

How do we achieve Structure and Visual Hierarchy?

Repetition and Contrast

Fonts

Margins

Colors

Icons

...

# Size

GM posts largest loss ever  
Today General Motors posted the largest loss for any corporation in American history.

# Weight

GM posts largest loss ever  
Today General Motors posted the largest loss for any corporation in American history.

# Style

GM posts largest loss ever  
Today General Motors posted the largest loss for any corporation in American history.

# Color

GM posts largest loss ever  
Today General Motors posted the largest loss for any corporation in American history.

# Spacing

GM posts largest loss ever  
Today General Motors posted the largest loss for any corporation in American history.

# GM posts largest loss ever

Today General Motors posted the largest loss for any corporation in American history.

## **GM posts largest loss ever**

Today General Motors posted the largest loss for any corporation in American history.

*GM posts largest loss ever*  
Today General Motors posted the largest loss for any corporation in American history.

GM posts largest loss ever  
Today General Motors posted the largest loss for any corporation in American history.

GM posts largest loss ever

Today General Motors posted the largest loss for any corporation in American history.

# What principles are being exercised here?

Try to Limit Yourself to:

1 Font

6 Treatments

Arial 10 black Arial 10 grey

Arial 12 black Arial 12 grey **Arial 12 bold black**

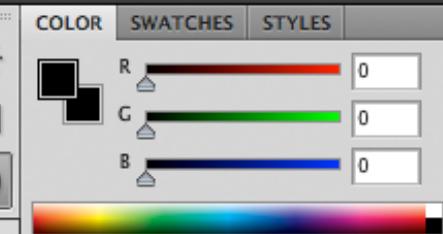
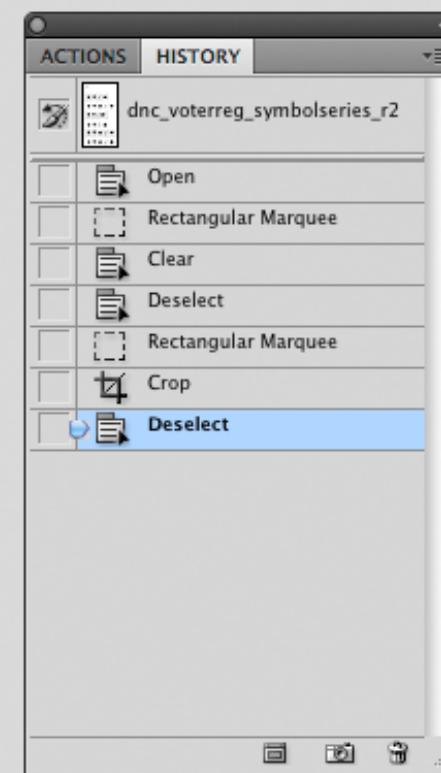
**Arial 16 bold black**

Define your font treatments up front.

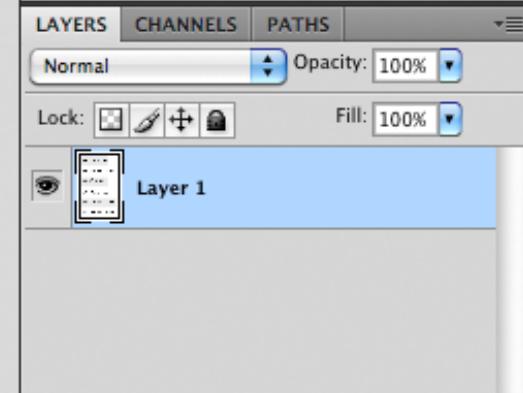
When you need to add text, choose one.

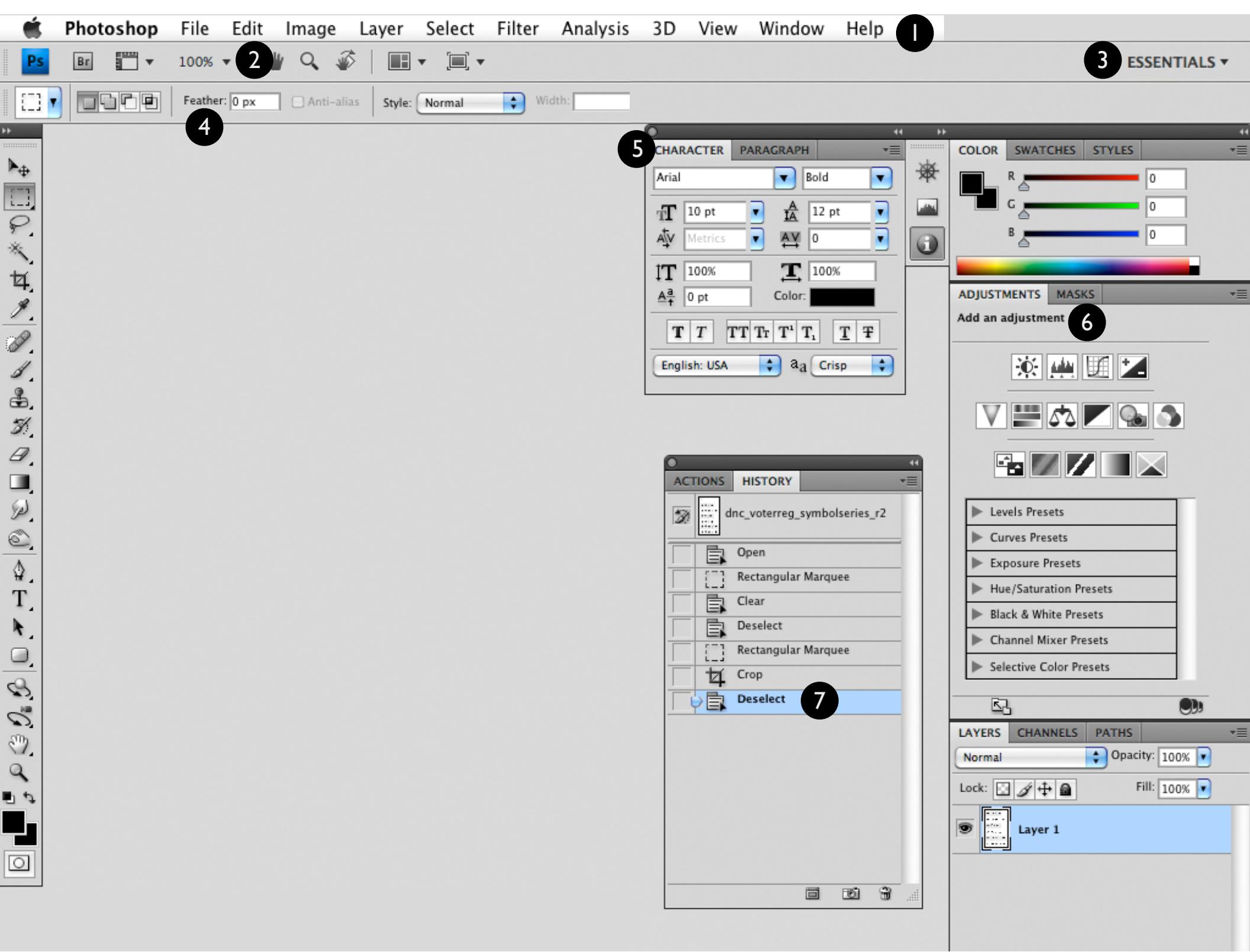
If none of them work, consider other techniques

If that doesn't work, add a new one.

Feather: 0 px  Anti-alias Style: Normal Width:ADJUSTMENTS MASKS  
Add an adjustment

- ▶ Levels Presets
- ▶ Curves Presets
- ▶ Exposure Presets
- ▶ Hue/Saturation Presets
- ▶ Black & White Presets
- ▶ Channel Mixer Presets
- ▶ Selective Color Presets





# Design Axioms

## Let data scream

The data is THE story; it should be front and center. Stories are often muddled by information-starved graphics. Aesthetically beautiful diagrams can suffer from low data-to-ink ratios (lots of paint, little useful data). Don't pollute the data with eye candy: aim for clear, clean displays. One bite, big flavor.

Other concepts: information density, 85% of screen real estate should be dedicated to data; 15% to interface, and let data sing (listening to data can be more story-rich than using your eyeballs).

[Let data scream draft on Flickr](#)

## Reality Bites

Use real data. It's the truth.

Design with fake data = fake design. Using fake data in your comps and early prototypes will lead to dead wrong ideas and influence bad decision making.

Ban lorem ipsum. It's a crutch and hazardous to your design health. Using lorem ipsum as data filler is a classic design practice that instantly screws the pooch. Planting fake data into the comps and service produces a fake product.

[Reality bites draft on Flickr](#)

## Prototype like crazy

Iteration is paramount. Produce many mockups, and the best will shine through.

Get criticism early and often

Good designers are nimble

## Axioms

- Let data scream
- Reality bites
- Prototype like crazy
- Pixel perfect
- Bitch loud and often
- Eat your own dog food
- Stop seeking others approval
- Date your users
- Grid it
- Type less + less type
- Color carefully
- What interface?
- Repeat customers ROCK
- Deja vu all over again
- Get physical
- Lust to dust

## WTF is this?

- Missionette Statement
- Presentations
- Open to all
- Next steps
- Send feedback

2

# Design Axioms

3

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5

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# Medicare

The Official U.S. Government Site for People with Medicare

## Secure Sign In

## What's New For Medicare

## Health and Drug Plans

## Learn More

This is an optional and free service.

Sign In ID:

Password:

[Sign In](#)

[Forgot Sign In ID?](#)

[Forgot Password?](#)

Need to Register: [Sign Up](#)

- Medicare Premiums and Coinsurance Rates...

[More...](#)

RSS

- Compare Health Plans
- Compare Drug Plans
- Check Current Enrollment
- Enroll
- Add/Update Drug & Pharmacy Information

- Plans In Your Area With Drug Coverage
- Lower Your Costs During the Coverage Gap
- Medicare & You 2010
- Provider Information

## Search Tools

[Compare Medicare Prescription Drug Plans](#)

[Compare Health Plans and Medigap Policies in Your Area](#)

[Compare Hospitals in Your Area](#)

[Compare Nursing Homes in Your Area](#)

[Find a Medicare Publication](#)

[Find a Doctor](#)

[Find Out if You Are Eligible for Medicare and When You Can Enroll](#)

[Compare Home Health Agencies](#)

[Find Out What Medicare Covers](#)

[Find Helpful Phone Numbers and Websites](#)

[Find Suppliers of Medical Equipment in Your Area](#)

[Plan for Your Long-Term Care Needs](#)

[Compare Dialysis Facilities in Your Area](#)

► [HHS.GOV/Recovery](#)





# 6 Medicare 7 The Official U.S. Government Site for People with Medicare

**8 Secure Sign In**

9 This is an optional and free service.

11 Sign In ID: christine 12

Password: ██████████

► Sign In 15

16 Forgot Sign In ID?

Forgot Password?

17 Need to Register: [Sign Up](#)

19 Medicare Billing ▾

Medicare Appeals ▾

Caregivers ▾

Plan Choices ▾

Preventive Services ▾

Personal Health Records ▾

Ombudsman ▾

Medicare Resources ▾

Medicare Online Forms

Search Tools ▾

Emergency



23

**What's New For Medicare**

10 Medicare Premiums and  
Coinsurance Rates...

13 More... 14 RSS

**Health and Drug Plans**

- Compare Health Plans
- Compare Drug Plans
- Check Current Enrollment
- Enroll
- Add/Update Drug & Pharmacy Information

**Learn More**

- Plans In Your Area With Drug Coverage
- Lower Your Costs During the Coverage Gap
- Medicare & You 2010
- Provider Information

**18 Search Tools**

Compare Medicare Prescription Drug Plans

Compare Hospitals in Your Area

Find a Medicare Publication

Find a Doctor

Compare Home Health Agencies

Find Helpful Phone Numbers and Websites

Plan for Your Long-Term Care Needs

Compare Health Plans and Medigap Policies in Your Area

Compare Nursing Homes in Your Area

Find Out if You Are Eligible for Medicare and When You Can Enroll

Find Out What Medicare Covers

Find Suppliers of Medical Equipment in Your Area

Compare Dialysis Facilities in Your Area

Formulary Finder - 2010 Plan Data

21  
20 HHS.GOV/Recovery 22



Search

GO

Socialize

Sign In

About

Downloads

Documentation

Community

Success Stories

News

Events

```
# Python 3: Simple output (with Unicode)
>>> print("Hello, I'm Python!")
Hello, I'm Python!

# Input, assignment
>>> name = input('What is your name?\n')
>>> print('Hi, %s.' % name)
What is your name?
Python
Hi, Python.
```

## Quick & Easy to Learn

Experienced programmers in any other language can pick up Python very quickly, and beginners find the clean syntax and indentation structure easy to learn.

[Whet your appetite](#) with our Python 3 overview.

1 2 3 4 5

Python is a programming language that lets you work quickly and integrate systems more effectively. [»»» Learn More](#)

### Get Started

Whether you're new to programming or an experienced developer, it's easy to learn and use Python.

[Start with our Beginner's Guide](#)

### Download

Python source code and installers are available for download for all versions! Not sure which version to use? [Check here](#).

[Latest: Python 3.4.1 - Python 2.7.8](#)

### Docs

Documentation for Python's standard library, along with tutorials and guides, are available online.

[docs.python.org](#)

### Jobs

Looking for work or have a Python related position that you're trying to hire for? Our community-run job board is the place to go.

[jobs.python.org](#)

Latest News

[»»» More](#)

Upcoming Events

[»»» More](#)

SourceSansPro  
16px #FFF

SourceSansPro  
16px #999

SourceSansPro  
18px #FFF

The screenshot shows the Python.org homepage with the following layout and text:

- Header:** A dark blue header with a navigation bar containing links for Python, PSF, Docs, PyPI, Jobs, and Community.
- Logo:** The Python logo (a blue and yellow snake) followed by the word "python" in white.
- Search Bar:** A search input field with a magnifying glass icon and a "GO" button.
- Top Navigation:** A secondary navigation bar with links for About, Downloads, Documentation, Community, Success Stories, News, and Events.
- Code Snippet:** A dark box containing Python code examples:

```
# Python 3: Simple output (with Unicode)
>>> print("Hello, I'm Python!")
Hello, I'm Python!

# Input, assignment
>>> name = input('What is your name?\n')
>>> print('Hi, %s.' % name)
What is your name?
Python
Hi, Python.
```
- Section:** "Quick & Easy to Learn" with the subtext: "Experienced programmers in any other language can pick up Python very quickly, and beginners find the clean syntax and indentation structure easy to learn. Whet your appetite with our Python 3 overview." Below this are numbered buttons 1 through 5.
- Text:** "Python is a programming language that lets you work quickly and integrate systems more effectively. [»» Learn More](#)"
- Footer:** A horizontal navigation bar with four items: "Get Started", "Download", "Docs", and "Jobs". Each item has a small icon and a brief description.
- Footer Links:** "Latest News" and "Upcoming Events" with "»» More" links.

SourceSansPro  
Bold  
21px #FFD343

SourceSansPro  
16px #E6E8EA

SourceSansPro  
16px #FFD343

SourceSansPro  
24px #FFD343

SourceSansPro  
24px #444

SourceSansPro  
15px #444

SourceSansPro  
15px #3776AB

SourceSansPro  
15px #CACCCCE

SourceSansPro 15px  
#444, #3776AB, #CACCCCE

SourceSansPro 16px  
#FFF, #999, #E6E8EA, #FFD343

SourceSansPro 18px  
#FFF

SourceSansPro Bold 21px  
#FFD343

SourceSansPro 24px  
#444, #CACCCCE, #FFD343

12+ Font Treatments  
but it isn't the worst...

The screenshot shows the Python.org homepage with the following font treatments:

- Python**: The word "python" in the logo is in Source Sans Pro 15px, color #3776AB.
- Search Bar**: The placeholder text "Search" and the "GO" button are in Source Sans Pro 16px, color #FFF.
- Navigation Bar**: The menu items "About", "Downloads", "Documentation", "Community", "Success Stories", "News", and "Events" are in Source Sans Pro 18px, color #FFF.
- Code Block**: The code snippets are in Source Sans Pro 24px, color #444, with some words like "Hello" and "name" in bold.
- Section Headers**: "Quick & Easy to Learn" and "What your appetite" are in Source Sans Pro Bold 21px, color #FFD343.
- Page Number**: The page number "3" in the navigation footer is in Source Sans Pro 18px, color #FFD343.
- Text**: The main descriptive text "Python is a programming language that lets you work quickly and integrate systems more effectively." is in Source Sans Pro 24px, color #FFF.
- Footer Links**: The "Get Started", "Download", "Docs", "Jobs", "Latest News", and "Upcoming Events" links are in Source Sans Pro 16px, color #FFF.

## Welcome to Medicare!

### New to Medicare

### Compare Plans

### Ready to Enroll

### Thinking about Long Term Care Needs

## Getting started

- Find out if you are eligible
- Learn about health plans
- Learn about drug plans
- Find plans in your state
- Medicare and you 2009



### Sign In To My Medicare

Username

Password

[Forgot Username?](#)  
[Forgot Password?](#)

[Create an Account](#)

[Learn More About My Medicare](#)

### Medicare A thru D

PART: A Hospital Coverage

PART: B Medical Insurance

PART: C Medicare Advantage Plans

PART: D Prescription Drug Plans

[Learn More →](#)

### Need Help?

[Contact Medicare](#)

Find someone to counsel or advocate for you?

Need to appeal a claim?

Concerned about the quality of care you have received?

### What's New?

Hospital Compare now has readmission measures for heart attacks, heart failure, and pneumonia

[View Medicare Premiums and Coinsurance Rates for 2009](#)

[View an online demonstration on how to use the Prescription Drug Plan Finder](#)

[More Updates →](#)

### Managing Your Health



[Maintain an active lifestyle in retirement for better health](#)

[Ten preventive healthcare tips for seniors](#)

### Medicare Coverage

[Health Plans](#)

[Are You Eligible?](#)

[Enrollment](#)

### Resources

[Publications](#)

[Forms](#)

[Glossary](#)

[Index A - Z](#)

### Assistance & Support

[Contact Medicare](#)

[Find Guidance & Support](#)

[Changing Your Address](#)

[Order a Replacement Card](#)

[FAQs](#)

### Find

[Providers](#)

[Hospitals](#)

[Home Health Agencies](#)

[Nursing Homes](#)

[Medical Equipment Suppliers](#)

[Dialysis Facilities](#)

[Helpful Contacts and Websites](#)



Improving the health, safety, and well-being of America

Centers for Medicare & Medicaid Services | U.S. Department of Health and Human Services

## 15 Welcome to Medicare!

16 New to Medicare

17 Compare Plans

Ready to Enroll

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## 18 Getting started

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20 Sign In To My Medicare

21 Username

22 Password

Sign In

Forgot Username?  
Forgot Password?

23 Create an Account

Learn More About My Medicare

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25 Hospital Compare now has readmission measures for heart attacks, heart failure, and pneumonia

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26 More Updates →

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PART: A 28 Hospital Coverage

PART: B 29 Medical Insurance

PART: C 30 Medicare Advantage Plans

PART: D 31 Prescription Drug Plans

Learn More →

## 32 Need Help?

33 Contact Medicare

Find someone to counsel or advocate for you?

Need to appeal a claim?

Concerned about the quality of care you have received?

## Managing Your Health



34 Maintain an active lifestyle in retirement for better health

35 Ten preventive healthcare tips for seniors

## 36 Medicare Coverage

37 Health Plans

Are You Eligible?  
Enrollment

## Resources

Publications  
Forms  
Glossary  
Index A - Z

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Contact Medicare  
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## Find

Providers  
Hospitals  
Home Health Agencies  
Nursing Homes  
Medical Equipment Suppliers  
Dialysis Facilities  
Helpful Contacts and Websites



38 Improving the health, safety, and well-being of America  
Centers for Medicare & Medicaid Services | U.S. Department of Health and Human Services

39 37

3 4

1 Sign In | Create An Account | Español

2 Text Size: A A A

5 What are you looking for?

6 Search

7 INDEX A-Z

tance & Support

8 Find: 9 Healthcare Providers



GO

10

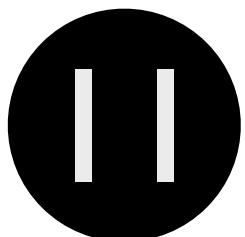
11 Email Print Bookmark & Share

started

you are eligible  
health plans



treatments only the top right corner =





Try to Limit Yourself to:

1 Font

6 Treatments

Arial 10 black Arial 10 grey

Arial 12 black Arial 12 grey **Arial 12 bold black**

**Arial 16 bold black**

Define your font treatments up front.

When you need to add text, choose one.

If none of them work, consider other techniques

If that doesn't work, add a new one.

DX Dataxu | Campaign Manager

97% Pace In Progress

**LDA CPO\_CY13\_Central** 95 days remaining

Spent \$158,180.72 of \$222,333.17

Flights Tactics Lifetime Stats Ended (86) Edit Flights Edit Campaign Pause

08.Jan.13, 12:00am – 31.Dec.13, 11:59pm America/New\_York

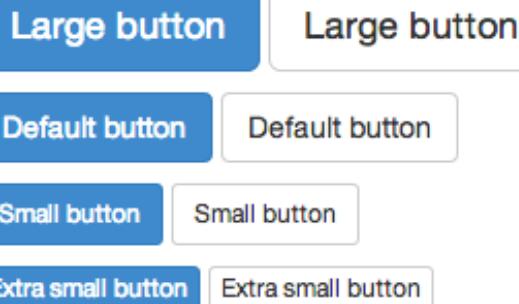
PAGE	BID	BUDGET	IMPRESSIONS	ECPM	CTR	ACTIONS (LAST VIEW)	CPA	SPEND	YESTERDAY SPEND
78%	<b>Omaha_CPO_Retargeting_Q2</b> ended 89 days ago	\$9.00	\$1,996.98	346,137	\$5.23	0.102%	8,378	\$0.22	\$1,809.38
80%	<b>Cleveland_CPO_Retargeting_Q2</b> ended 89 days ago	\$8.00	\$2,199.82	402,672	\$5.12	0.098%	12,232	\$0.17	\$2,060.32
68%	<b>Rockford_CPO_Retargeting_Q2</b> ended 89 days ago	\$4.50	\$1,081.28	140,419	\$5.36	0.097%	38,318	\$0.02	\$753.29
84%	<b>Wichita_CPO_Retargeting_January</b> ended 180 days ago	\$5.50	\$1,214.73	228,495	\$5.26	0.091%	3,838	\$0.31	\$1,201.33
84%	<b>Cincinnati_CPO_Retargeting_January</b> ended 180 days ago	\$4.00	\$2,129.09	429,474	\$4.92	0.088%	18,028	\$0.12	\$2,111.46

How do you pick your fonts?

Make them very similar or very different.

# Bootstrap Buttons and Colors

Default Primary Success Info Warning Danger Link



Repetition also counts for colors, button styles, radii, etc.

# Alignment: (Generally) Don't Center Align Text Especially if it is a paragraph

Benjamin Salinas  
Roger Zhu  
Juhan Sonin  
Jonathan Follett  
Eric Benoit  
Sein Woo  
Sarah Kaiser  
Jennifer Patel  
Adam Pere  
Emily Twaddell

Benjamin Salinas  
Roger Zhu  
Juhan Sonin  
Jonathan Follett  
Eric Benoit  
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Roger Zhu  
Juhan Sonin  
Jonathan Follett  
Eric Benoit  
Sein Woo  
Sarah Kaiser  
Jennifer Patel  
Adam Pere  
Emily Twaddell

# Alignment: Don't Indent to Show Hierarchy

Ben Salinas  
Software Designer  
Involution Studios  
Arlington, MA

Karen Vazquez  
Staff Auditor  
Deloitte & Touche LLP  
Boston, MA

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Software Designer, Involution Studios  
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# Alignment: Align text, not bullets

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- Arlington, MA

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- Boston, MA

# Alignment: Design on a Grid

## Ben Salinas

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- Involution Studios
- Arlington, MA

## Karen Vazquez

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- Deloitte & Touche LLP
- Boston, MA

## Ben Salinas

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- Involution Studios
- Arlington, MA

## Karen Vazquez

- Staff Auditor
- Deloitte & Touche LLP
- Boston, MA



Olin College  
of Engineering

OUR  
COMMUNITY

ADMISSION

ACADEMIC  
LIFE

PROJECTS &  
RESEARCH

COLLABORATE  
WITH OLIN



ALUMNA START-UP SPOTLIGHT:

# FORBES Q&A ON ROCKSBOX

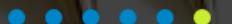
Co-founders Maia Bittner '11 and Meaghan Rose were featured in a recent *Forbes* Designer Spotlight Q&A on their subscription-based jewelry start-up, RocksBox -- an innovative way for professional women to keep up with the latest jewelry trends!

*"RocksBox sends you a personalized box of jewelry our stylists think will look fantastic on you."*

[» READ MORE](#)



RocksBox is all about discovering new styles and trying new pieces.



## NEWS

AUGUST 28, 2014

### SAVING WHALES: ONE DRONE AT A TIME

[» READ MORE](#)

AUGUST 22, 2014

### OLIN NAMES NEW LIBRARY DIRECTOR

Jeff Goldenson has been named library director at Olin College.

[» READ MORE](#)

AUGUST 13, 2014

## OUTCOMES

The innovative curriculum, close-knit community, passionate pursuits and co-curriculars at Olin College all play a part in determining a student's pursuit after graduation, but it is their interests and passion that will define the path they take.

[» READ MORE](#)





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ALUMNA START-UP SPOTLIGHT:

# FORBES Q&A ON ROCKSBOX

Co-founders Maia Bittner '11 and Meaghan Rose were featured in a recent *Forbes* Designer Spotlight Q&A on their subscription-based jewelry start-up, RocksBox -- an innovative way for professional women to keep up with the latest jewelry trends!

*"RocksBox sends you a personalized box of jewelry our stylists think will look fantastic on you."*

[» READ MORE](#)



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AUGUST 28, 2014

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[» READ MORE](#)



Shop by Department

Search

Books

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Hello, Ben  
Your Account

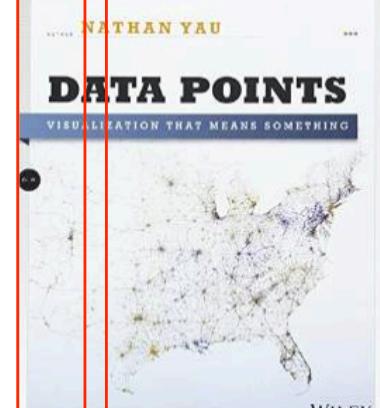
Your Prime

 Cart  
 Wish List

Books Advanced Search New Releases Best Sellers The New York Times® Best Sellers Children's Books Textbooks Textbook Rentals Sell Us Your Books Best Books of the Month

Data Points: Visualization That Means Something and over one million other books are available for Amazon Kindle. [Learn more](#)

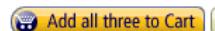
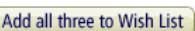
You purchased this item on August 28, 2014.

[View this order](#)[See all 2 images](#)

## Frequently Bought Together

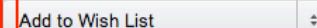
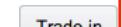


Price for all three: \$68.65

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List Price: \$39.99

Save: \$13.45 (34%)

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79 used &amp; new from \$13.99

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 Sell on Amazon

## 54382 Court of Versailles: Bedding &amp; More Production Start: 11am 30.Sep.12 Retail: \$123,426 Products: 466 Primary QS/DS Preview

Details	Merchandise	Products	Plan	Production	Marketing	
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Main Info		Dates		People		Finance	
Stores	Rue La La, eBay	Boutique Start	Sun, 30.Sep.12, 11am	Merchant	Nicole Andrews	Sales Plan	\$130,120
Type	Primary	Boutique End	Tue, 2.Oct.12, 11am	Planner	Karen Milligan	Prep Plan	\$143,400
Divisions	# Women	Production Start	Sun, 9.Sep.12	Producer	Christina Hall	Retail	\$123,426
Segments	All	Production End	Wed, 26.Sep.12	Coordinator	Emily Nardone	Cost	\$67,000
Final Sale	No					POs	54290

Hierarchy Merchant Site

Brand	Vendor	Division	Department	Classification	Sub-Class	Images	Ship Method	
Ali Ro	Dresses & More Inc.	Women	Apparel	Dresses	Cocktail	In-house (B)	Quick Ship	
Calvin Klein	Calvin Klein Inc.	Women	Footwear	Shoes	Pumps	In-house (B)	Quick Ship	
Halston Heritage	Dresses & More Inc.	Women	Apparel	Tops	Tank	Vendor	Drop Ship	
Calvin Klein	Calvin Klein Inc.	Women	Apparel	Tops	Blouse	Vendor	Drop Ship	
Calvin Klein	Calvin Klein Inc.	Women	Footwear	Shoes	Boots	In-house (B)	Quick Ship	
Calvin Klein	Calvin Klein Inc.	Women	Footwear	Shoes	Flats	In-house (B)	Quick Ship	
Marc NY	Marc Jacobs Inc.	Women	Apparel	Dresses	Cocktail	In-house (B)	Quick Ship	

To	Tahari	Women	Apparel	Dresses	Cocktail	In-house (B)	Quick Ship	
	Dresses & More Inc.	Women	Apparel	Dresses	Cocktail	In-house (B)	Quick Ship	

To|

- Toad
- Tommy Hilfiger
- Tory Birch** 
- Tossini
- Totes
- Tottenham

Add Brand

- Boutiques
- 
- Proenza Schouler Suits
  - FENDI, Valentino, Prada
  - Nicole Miller
  - Ash Footwear
  - Poleci
  - The Dress Cod: Fro...**
  - Rainforest Men's Shirts
  - The Brazilian Company
  - In Neutral Territory - S...
  - Corioliss
  - The Intimate Apparel
  - Lighting for the Backy...
  - Princess Linens and ...
  - Backpacks for Kids & ...
  - Chan Luu
  - Nicholas L & IMAGINE
  - Brookstone
  - Seychelles
  - Backcountry Skiing
  - Kid-Friendly Wall Art
  - Charriol Watches
  - Glow Tanning Centers
  - Ravensburger Fashion
  - Juicy Couture
  - Educo Education Tabl...

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<a href="#">Hierarchy</a> <a href="#">Merchant</a> <a href="#">Site</a>							
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Marc NY	Marc Jacobs Inc.	Women	Apparel	Dresses	Cocktail	In-house (B)	Quick Ship
To  Toad Tommy Hilfiger Tory Birch Tossini Totes Tottenham <a href="#">Add Brand</a>	Tahari Dresses & More Inc.	Women	Apparel	Dresses	Cocktail	In-house (B)	Quick Ship

**Boutiques**

Filter

- Proenza Schouler Suits
- FENDI, Valentino, Prada
- Nicole Miller
- Ash Footwear
- Poleci
- [The Dress Cod: Froc...](#)
- Rainforest Men's Shirts
- The Brazilian Company
- In Neutral Territory - S...
- Corioliss
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- Princess Linens and ...
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- Charriol Watches
- Glow Tanning Centers
- Ravensburger Fashion
- Juicy Couture
- Educo Education Tabl...



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```
# Python 3: Simple output (with Unicode)
>>> print("Hello, I'm Python!")
Hello, I'm Python!

# Input, assignment
>>> name = input('What is your name?\n')
>>> print('Hi, %s.' % name)
What is your name?
Python
Hi, Python.
```

## Quick & Easy to Learn

Experienced programmers in any other language can pick up Python very quickly, and beginners find the clean syntax and indentation structure easy to learn. [Whet your appetite](#) with our Python 3 overview.

1 2 3 4 5

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[hub.io/FiveMoreTopics/](#)

The screenshot shows the Python.org homepage with a dark blue header. The top navigation bar includes links for Python, PSF, Docs, PyPI, Jobs, and Community. Below the header is a search bar with a magnifying glass icon and a 'GO' button. To the right are 'Socialize' and 'Sign In' buttons. The main content area features a large Python logo and the word 'python™'. A search bar with a magnifying glass icon and a 'GO' button is positioned above a navigation menu. The menu items include About, Downloads, Documentation, Community, Success Stories, News, and Events. Below the menu, there is a code snippet in a terminal window:

```
# Python 3: Simple output (with Unicode)
>>> print("Hello, I'm Python!")
Hello, I'm Python!
```

Below the code, another snippet shows input and output:

```
# Input, assignment
>>> name = input('What is your name?\n')
>>> print('Hi, %s.' % name)
What is your name?
Python
Hi, Python.
```

To the right of the code snippets is a section titled "Quick & Easy to Learn" with the subtext: "Experienced programmers in any other language can pick up Python very quickly, and beginners find the clean syntax and indentation structure easy to learn. Whet your appetite with our Python 3 overview." Below this section are five numbered buttons (1, 2, 3, 4, 5). The central part of the page has a dark background with white text: "Python is a programming language that lets you work quickly and integrate systems more effectively. [»» Learn More](#)".

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# Expenses

All uses of money to provide town & school services.  
For more information, see the [Glossary](#).

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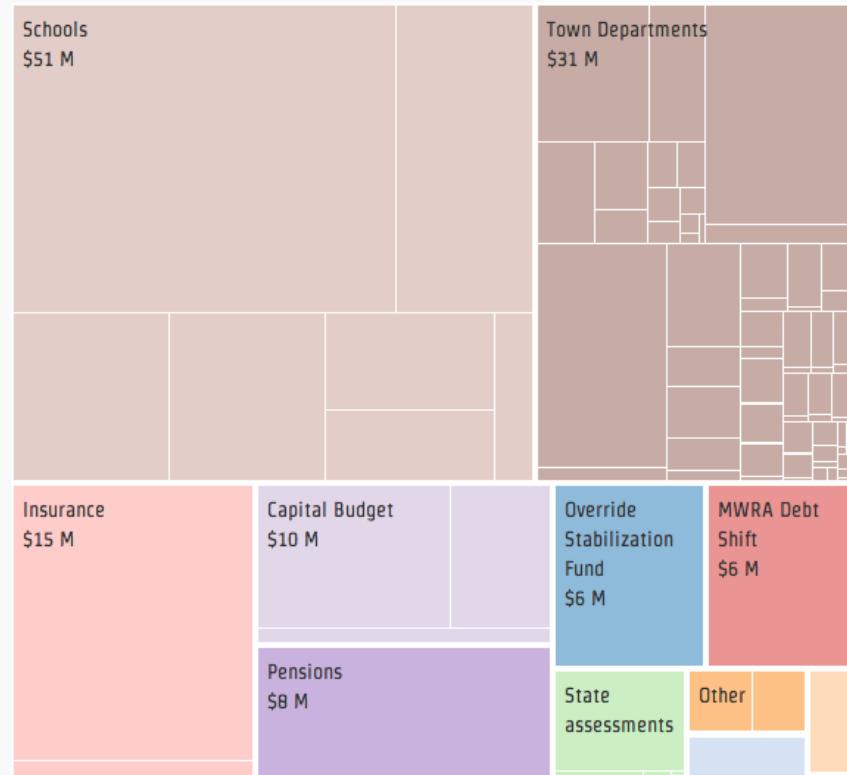
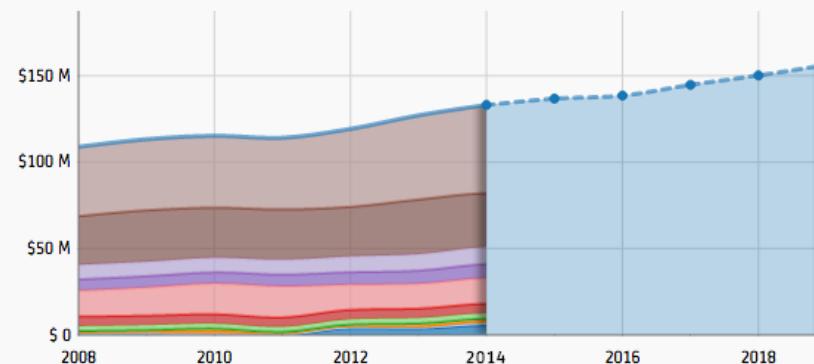
**\$2000**  
your yearly tax contribution.

**\$133 M**  
in 2014.

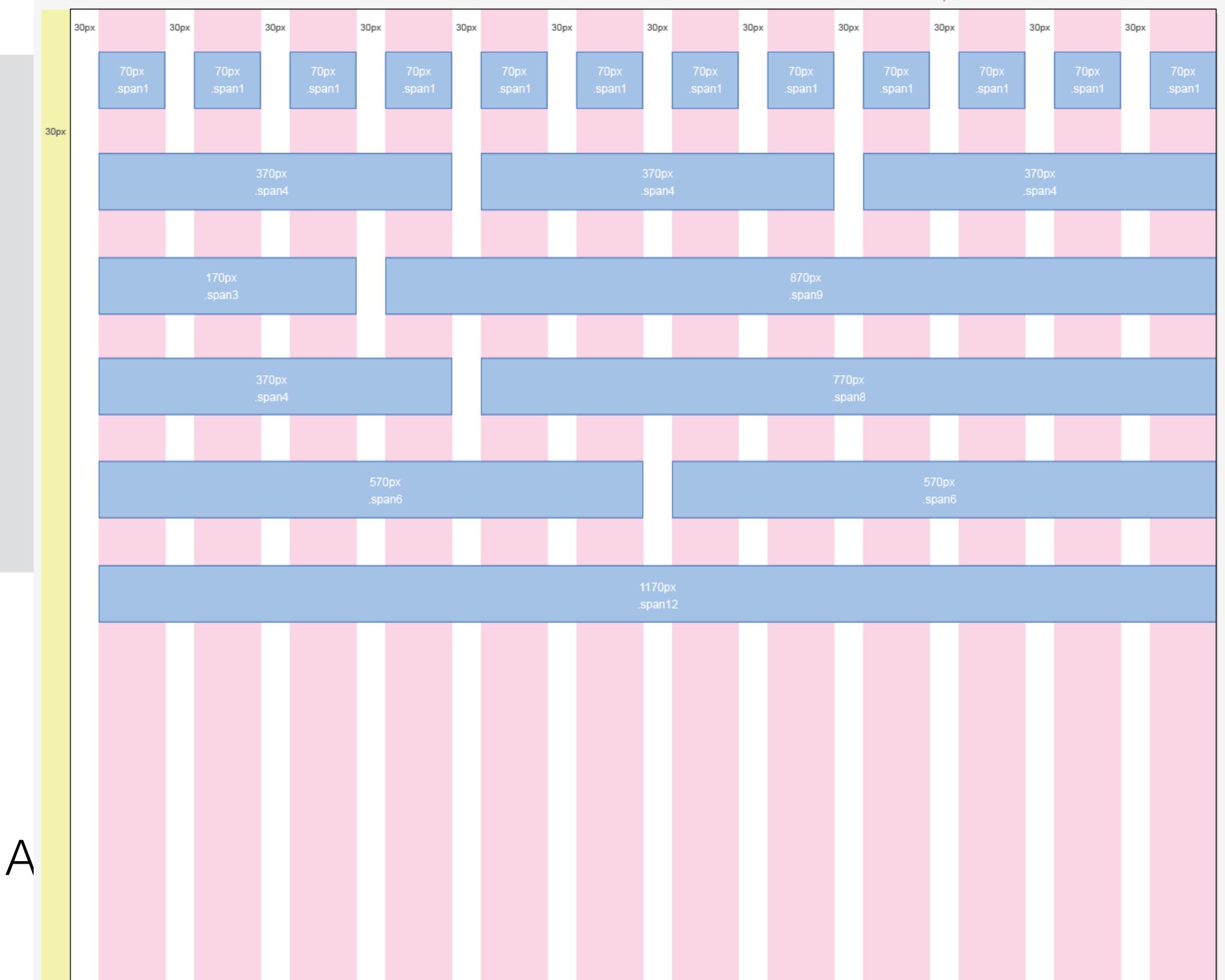
+ 4.52%  
compared to previous year.

**\$130 M**  
on average.

[Town of Arlington](#)  
is the data source for this entry.



[Glossary](#) - [Town of Arlington](#) - by Involution Studios - Open Data + Code - [Feedback](#)



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**RADIOLOGY**

mammography 1

**Radiology**

mammography

**MHHS Outpatient Imaging Southwest**  
7789 Southwest Freeway  
Houston, TX 77074

Patient Name: Admitting Physician:  
DOB/Age/Sex: Attending Physician: Feng, Felicia Ann MD  
Med Rec Number: Ordering Physician: Feng, Felicia Ann MD  
Location: RS Breast Center (BCSW)

**Mammography**

Exam: Accession Number: Exam Date/Time:  
**US Guided Needle Core BX Uni Mammo Clips MA 2- 28-0070** 08/15/2012 11:27

**INDICATION:** dxn

**RADIOLOGY REPORT**  
- US GUIDED NEEDLE CORE BX UNI MAMMO CLIPS M/R  
ULTRASOUND GUIDED BIOPSY RIGHT BREAST WITH MARKING DEVICE INSERTED AND POST  
DIGITAL MAMMOGRAPHIC IMAGING: 8/15/2012  
CLINICAL: Dx RIGHT 11:00 BIOPSY DONE/RMO.

Correlation is made to exam dated: 8/9/2012 mammogram - Memorial Hermann SW Hospital - Outpatient Imaging.  
An ultrasound guided biopsy using real-time ultrasound was performed for the 6 mm lobulated mass located in the right breast at 10 o'clock posterior depth 7 cm from the nipple. This was described on the previous ultrasound report. The skin was prepped in the usual manner. A skin nick was made in the breast. The abnormality was approached from the lateral aspect. A 14 gauge biopsy needle was placed adjacent to the abnormality under ultrasound guidance. Once the needle was documented to be in the correct location, four specimens were obtained using an Achieve automated firing device. The patient received additional local anesthetic during the procedure. A hook clip was inserted into the biopsy cavity. A skin closure strip was applied to the access site. Post procedure digital mammographic imaging demonstrates the clip at the targeted area. The specimens were sent to the laboratory for pathological analysis.

**IMPRESSION: ULTRASOUND GUIDED BIOPSY BENIGN**  
Ultrasound guided biopsy of the 6 mm mass in the right breast at 10 o'clock posterior depth 7 cm from the nipple was successful with no apparent post

Print Date/Time: 08/23/2012 10:01 Financial #:  
Patient Name: Outpatient

Charles, Doe	01 - Home or self care			
RRM	OD	24.Nov.2012	24.Nov.2012	1
FACILITY	P. TYPE	ADMIT	DISCHARGE	LOS

**Enter Code** Encoder

**ICD-9 Diagnoses**

**721.2** CHIEF COMPLAINT  
thoracic spondylosis without myelopathy

**273.90** PRIMARY  
disorder of bone and cartilage, unspecified

**724.02**  
spinal stenosis, lumbar region, without neurogenic claudication

**723.0**  
spinal stenosis in cervical region

**721.0**  
cervical spondylosis without myelopathy

CPT Procedures Show 3 CDM Codes

**Submit & Bill**