

OLLI

Transitions in Retirement

BOB NEWCOMB

2/25/17

DESKTOPS, LAPTOPS AND TABLETS, OH MY!

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MY STUFF

- ▶ Early Days
 - ▶ Apple][Plus 1979 (Work - to experiment)
 - ▶ TRS-80 clone 1981 (Work - to use visicalc)
 - ▶ Apple][e 1983 (Personal - my first computer)
 - ▶ IBM 5150 1983 (Work - to use Lotus 1-2-3)
 - ▶ IBM PC AT 1984 (Work - It had a Hard Drive)

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MY STUFF

- ▶ Middle Years
 - ▶ Apple IIGS 1986 (Personal - graphics and sound)
 - ▶ Various PCs 1986 - 2006 (Work)
 - ▶ Various PCs 1989 - 2006 (Personal - to work with Work)
 - ▶ Palm PDAs 1999 - 2007

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MY STUFF

- ▶ Post Retirement Years
 - ▶ Apple iMac G5 2006 (to escape Windows)
 - ▶ iPhones 2007 - Present
 - ▶ Apple iMac 27" 2009 -Present
 - ▶ iPads 2010 - Present
 - ▶ MacBook 2015 - Present (my first laptop)

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HOW DO YOU APPROACH A DECISION ON WHAT TO BUY?

- ▶ Your History
- ▶ Your Expertise
- ▶ What are your needs?
- ▶ What support do you have?
- ▶ What is your willingness to change and learn?
- ▶ What is available?
 - ▶ How well do the available devices fit your situation
- ▶ Can you afford it?

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HOW DO YOU APPROACH A DECISION ON WHAT TO BUY?

- ▶ Your History
 - ▶ What have you owned?
 - ▶ How did you like them?
 - ▶ Would you repeat the experience
 - ▶ Happily
 - ▶ Reluctantly
 - ▶ No way!

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HOW DO YOU APPROACH A DECISION ON WHAT TO BUY?

- ▶ Your Expertise
 - ▶ I know what I am doing
 - ▶ I kind of know my way around
 - ▶ I'm Ok but.....
 - ▶ Huh?

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HOW DO YOU APPROACH A DECISION ON WHAT TO BUY?

- ▶ What are your needs?
 - ▶ Why are you looking at something new?
 - ▶ What are the problems in using your current devices?
 - ▶ Do you know what you want to be able to do on a new device?
 - ▶ Definite needs or casual wants
 - ▶ Desire and lust

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HOW DO YOU APPROACH A DECISION ON WHAT TO BUY?

- ▶ What support do you have?
 - ▶ Degree of self reliance
 - ▶ I can do it or find out how with minimal outside support
 - ▶ I can do some but need help fairly often
 - ▶ I need regular help
 - ▶ Here is the device, please fix it

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HOW DO YOU APPROACH A DECISION ON WHAT TO BUY?

- ▶ What support do you have?
 - ▶ Where do you find your help?
 - ▶ Friends and family give good support
 - ▶ When I am in trouble I get minor a little help from friends and family
 - ▶ They can fix it but it's a mystery to me
 - ▶ I must depend upon hot line, genius bar, Geek Squad etc.

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HOW DO YOU APPROACH A DECISION ON WHAT TO BUY?

- ▶ Willingness to change and learn
 - ▶ How adventurous are you?
 - ▶ I want something new!
 - ▶ I can try something new if I have help available
 - ▶ Let's not talk about change!

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CHOOSING

- ▶ The era of buying a computer and then figuring how to use it is, should be over.
 - ▶ We have many more options than ever before
 - ▶ The task is to fit the tool to the needs
 - ▶ Sometimes the biggest dilemma is what brand or model to choose.
 - ▶ In what environment do I want to live?

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CHOOSING

- ▶ Fitting the device to your needs is important
 - ▶ Size (weight, screen readability, keyboard size)
 - ▶ Portability
 - ▶ Ease of input (keyboard, mouse, touch, stylus)
 - ▶ Power and speed to do what you need

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CATEGORIES

- ▶ Desktops
 - ▶ Larger machines (some exceptions)
 - ▶ Range
 - ▶ from smallish with limited power and capacity
 - ▶ to Huge with massive power and capacity
 - ▶ Choose your monitor size
 - ▶ Highly Customizable
 - ▶ User range from power users to those who don't need portability

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CATEGORIES

- ▶ Laptops
 - ▶ sizes from luggable to quite small and light
 - ▶ More expensive for equivalent power and capacity than desktops
 - ▶ Compromises on features compared to desktops
 - ▶ Portable
 - ▶ Battery life varies

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CATEGORIES

- ▶ Chromebooks
 - ▶ Laptop running Linux based Chrome OS
 - ▶ Uses Google Chrome with an integrated media-player
 - ▶ Uses Web apps from the Chrome Web Store
 - ▶ Designed to be used when on the Internet
 - ▶ Very little storage and a lower power CPU

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CATEGORIES

- ▶ Chromebooks
 - ▶ Battery life is generally very good
 - ▶ Some newer Chromebooks will run Android apps
 - ▶ Generally lower cost but some exceed \$1000
 - ▶ Very popular in schools
 - ▶ Growing market

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CATEGORIES

- ▶ Tablets
 - ▶ Outgrowth of smartphones
 - ▶ Much larger screens
 - ▶ Touchscreen interface but can use keyboards
 - ▶ Run Mobile device OS (Android, iOS)
 - ▶ Energy Efficient CPUs (non-Intel based)

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CATEGORIES

- ▶ Tablets
 - ▶ Longer replacement cycle than expected
 - ▶ Rapid initial growth with significant but shrinking sales
 - ▶ Large App market (millions of apps available)
 - ▶ mostly inexpensive or free
 - ▶ Touchscreen and virtual keyboards can be difficult for some people

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CATEGORIES

- ▶ Laptop/tablet hybrid
 - ▶ Microsoft Surface is the typical example
 - ▶ Touchscreen Windows PC
 - ▶ Uses Windows 10
 - ▶ detachable keyboard to convert to tablet
 - ▶ Surface Book is a larger laptop with a detachable screen

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CATEGORIES

- ▶ Tablet/laptop
 - ▶ Really the iPad Pro line
 - ▶ Optional attachable keyboard & pencil
 - ▶ Higher end apps for art, photo editing and office apps
 - ▶ Runs all iPad apps

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CATEGORIES

- ▶ Specialty devices
 - ▶ Book readers
 - ▶ Home assistants

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CATEGORIES

- ▶ Smartphones
 - ▶ Various screen sizes
 - ▶ 4' to 5.5"
 - ▶ 6" + (Phablet)

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CATEGORIES

- ▶ Smartphones
 - ▶ Market still growing but at a reduced pace
 - ▶ Market is huge
 - ▶ Millions of apps make them versatile
 - ▶ Are they big enough to show or do what you need?
 - ▶ Convenience compromise

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ENVIRONMENT AS IT RELATES TO THE CLOUD

- ▶ All on the cloud
 - ▶ Google's Approach
 - ▶ All Software & Data is on Google's server
 - ▶ Web software such as Docs, Sheets, Photos etc.
 - ▶ 15GB free storage
 - ▶ If Google apps meet your needs this is a good approach (be aware of privacy issues)

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ENVIRONMENT AS IT RELATES TO THE CLOUD

- ▶ Data is saved in the cloud
 - ▶ Many services use this approach
 - ▶ Dropbox is a good example
 - ▶ You save files in a Dropbox folder
 - ▶ It is synchronized with their servers and any device linked to your Dropbox account
 - ▶ All software is on your local device

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ENVIRONMENT AS IT RELATES TO THE CLOUD

- ▶ Data is saved in the cloud
 - ▶ Apple's iCloud
 - ▶ Evolved over last few years
 - ▶ Programs and apps are on local devices (some exceptions)
 - ▶ If you choose to save data in iCloud, it is saved to a folder named for your program or app
 - ▶ All files are automatically saved
 - ▶ You can use any device to access your files and can jump from device to device

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ENVIRONMENT AS IT RELATES TO THE CLOUD

- ▶ Data is saved in the cloud
 - ▶ Microsoft
 - ▶ Initially tried to have Office 365 as cloud based for data and software
 - ▶ Evolved to local software and One Drive for cloud saved data
 - ▶ Once saved, a file is saved automatically
 - ▶ OLLI note (your student login may get Office 365 for free)

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ENVIRONMENT AS IT RELATES TO THE CLOUD

- ▶ Data is saved in the cloud
 - ▶ Adobe has options for both approaches.
 - ▶ Adobe's emphasis is now on leased software

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ENVIRONMENT AS IT RELATES TO THE CLOUD

- ▶ I only trust myself (No Cloud Thank You)
 - ▶ Very conservative
 - ▶ You don't trust keeping data on someone else's computer
 - ▶ Google is not an option
 - ▶ Software and data is kept on your computer(s)

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ENVIRONMENT AS IT RELATES TO THE CLOUD

- ▶ I only trust myself (No Cloud Thank You)
 - ▶ There are options to have multiple devices and sync data
 - ▶ Transfer files via
 - ▶ WiFi
 - ▶ Wired transfers
 - ▶ External Hard Drive
 - ▶ Thumb drive
 - ▶ SD card

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YOUR BUDGET

- ▶ Prices down from days of old
- ▶ Beware of cheap
- ▶ Smartphones
 - ▶ 2 year contracts going away
 - ▶ Rent to buy
 - ▶ Buy outright

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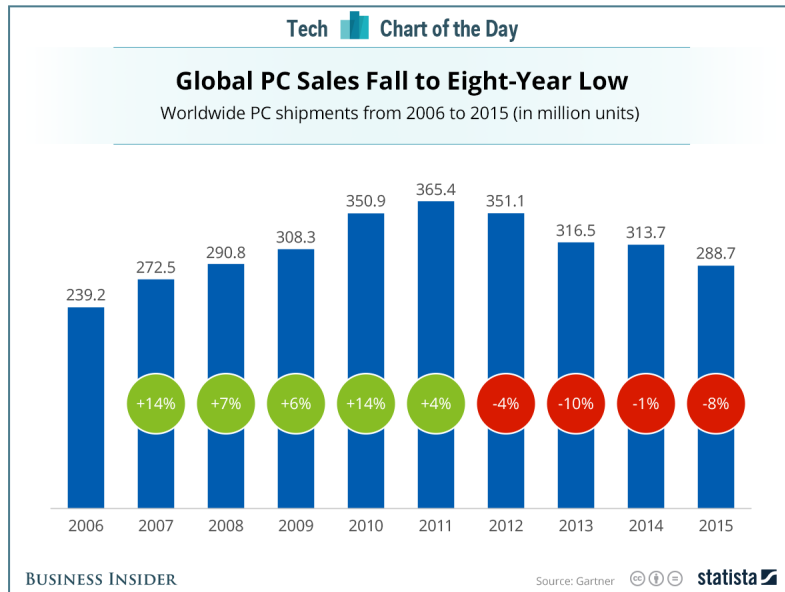
YOUR BUDGET

- ▶ Tablets, desktops and laptops - must buy outright
- ▶ Premium price for brands - who do you trust
- ▶ How long can you use your new device?

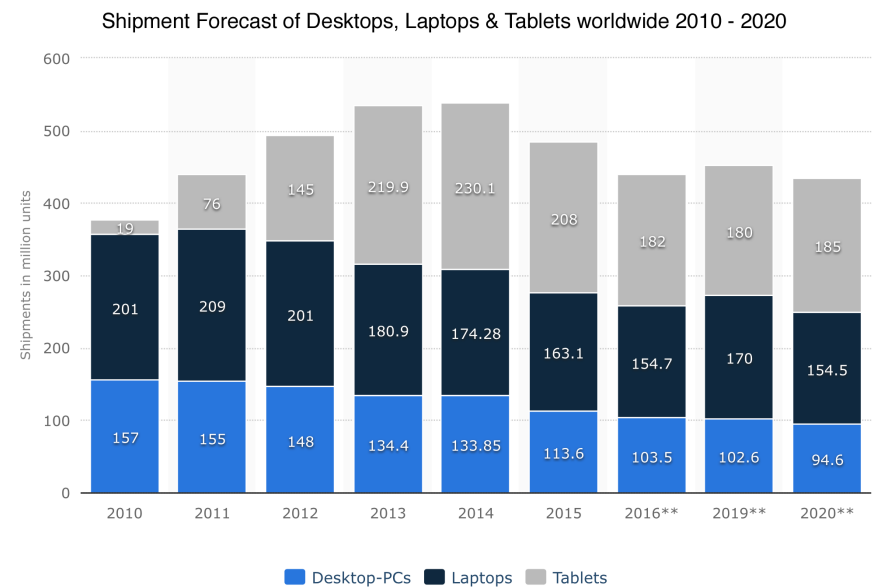
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MARKET GRAPHS

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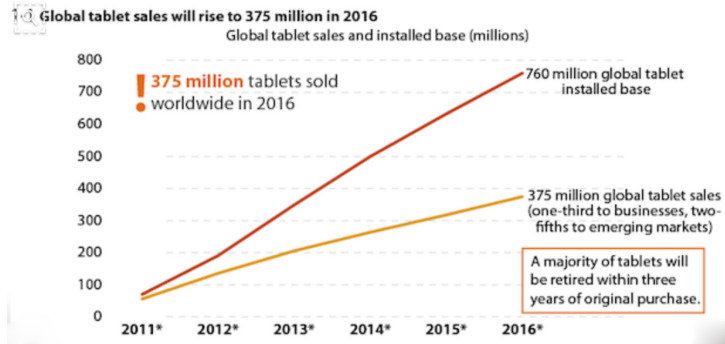


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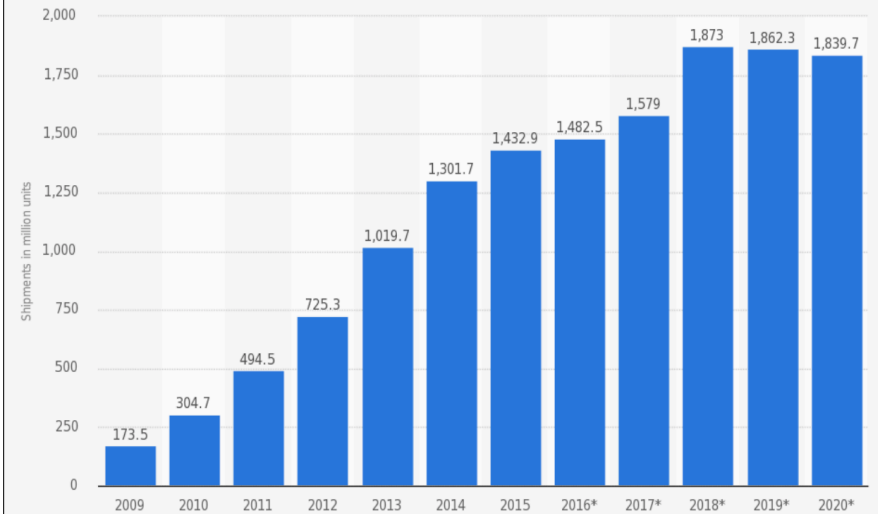
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BEWARE OF FORECASTS!



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Global smartphone shipments forecast from 2010 to 2020 (in million units)*



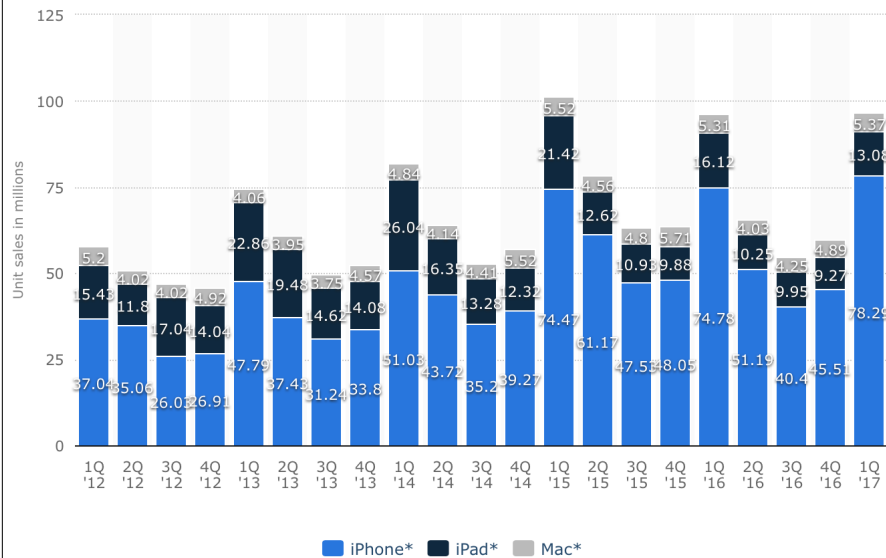
Source:
IDC
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Additional Information:
Worldwide; IDC; 2010 to 2016

statista

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Unit Sales of Apple worldwide by Product Q2 2012 to Q1 2017



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WHAT IS GOING ON

- ▶ Computers and mobile devices last longer than before
- ▶ Improvements in CPUs have slowed
 - ▶ With the exception of smartphone CPUs
- ▶ User's needs are not growing as rapidly
 - ▶ Except to store all those photo we take
- ▶ Markets being saturated?
- ▶ No new killer apps

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SO, WHAT DO WE DO?

EXAMPLE(S)

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BACK TO AN OLD SLIDE

HOW DO YOU APPROACH A DECISION ON WHAT TO BUY?

- ▶ Your History
- ▶ Your Expertise
- ▶ What are your needs?
- ▶ What support do you have?
- ▶ What is your willingness to change and learn?
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 - ▶ How well do the available devices fit your situation
- ▶ Can you afford it?

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CONSIDER

- ▶ What are your circumstances?
- ▶ Think out of the box
 - ▶ Don't necessarily buy based upon tradition
- ▶ Can I do things differently?
- ▶ Will a smaller device work?
- ▶ Do I really need a desktop?

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CONSIDER

- ▶ Do I really need a laptop?
- ▶ Will an iPad or other tablet work?
- ▶ Can I use a smartphone and a book reader?
- ▶ Will a Chromebook and a smartphone work?
- ▶ Do not underestimate the need for support!

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PICK YOUR DEVICE

- ▶ What Category of device do you need?
- ▶ What brands and models fit your needs?
- ▶ Does it fit your:
 - ▶ Expertise?
 - ▶ Needs?
 - ▶ Support System?
 - ▶ Will it work for you?
 - ▶ Can you afford it?