

Predicting Web 2.0 Thread Updates

Progress Update

Shawn Tan

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Motivation

- ▶ Many sites with thread-based discussion features
- ▶ Users post product reviews, feedback

Obtaining such up-to-date information may be vital to companies.

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Special Forums Area				
Forum		Last Post	Threads	Posts
	AVS Forum Community News (2 Viewing)	AVS Platform Update: Mobile, Site Improvements, and More Today at 2:38 pm by Jedirun	845	14,040
	Press Releases (4 Viewing)	Ken Erdmann Named 2012 CEDIA Lifetime Achievement Award Recipient 8/17/12 at 7:51pm by lili5689	133	354
	AVS Forum Radio Show (6 Viewing)	September 14th - Black Friday 2012 Predictions 9/20/12 at 9:30pm by Braden Russell	563	1,658
	General Great Found Deals (8 Viewing)	Pioneer Elite in-wall/in-ceiling speakers using CST drivers Today at 10:30 pm by davisnub	1,373	7,646

AVS Club Special Forums				
Forum		Last Post	Threads	Posts
	Rumor Mill	Private	75	1,094

Display Devices				
Forum		Last Post	Threads	Posts
	LCD Flat Panel Displays (108 Viewing) > LCD Flat Panel Great Found Deals!	OLEVIA 32" 2 Series LCD HDTV (232V) Today at 10:34 pm by samf10	41,757	1,039,047
	Plasma Flat Panel Displays (65 Viewing)	Plasma health concerns Today at 10:25 pm by Leon!	31,436	939,127

User-centric threads

My First Ever DIY Sub



[Subscribe](#) [Search This Thread](#)

[Start a New Thread](#)

9/25/12 at 4:31am THREAD STARTER

post #1 of 14



mfrey0118 ▾
Amateur A/V Junkie
Advanced Member
offline
519 Posts. Joined 3/2011

Hi everyone!

OK, so long story short, I had an Onkyo HT-S5400, then upgraded the receiver to a 609, upgraded all my speakers, EXCEPT the sub and here we are.

Was dead set on a pre-fab sub from Lava, BIC, or Klipsch. Finally decided to go another route and build my own.

This is what I am working with:

TC Sounds Epic 12" DVC (500w RMS @ 2+2 ohms) sub
Dayton Audio SPA500 amp (540w RMS @ 4 Ohms)


Unfortunately, I have zero box building skills. My room is big too, about 35' x 17' total, kitchen and LR shared, no separating wall, ceiling that goes from 9ft up to like 15ft.

Also, I am on a limited budget. I've already purchased the amp, and I will be ordering the sub early next week.

I figured 3/4" MDF is a good place to start. I also have a fully activated copy of BassBox Pro 6.




9/25/12 at 10:18am THREAD STARTER



mfrey0118 ▾
Amateur A/V Junkie
Advanced Member
offline
519 Posts. Joined 3/2011

Guys thanks so much for lending your expertise...this is good stuff...

9/25/12 at 12:30pm



NicksHitachi ▾
Winning!
AVS Special Member
offline
2,316 Posts. Joined 7/2007
Location: Wilmington, NC

Horn or ported.


As big and tuned as low as you can accommodate.

You'll need EQ for High Pass.

Corner Load

Set the dayton and get a pro-amp(prefereably one with EQ) you'll not even wake up the TC with

9/26/12 at 6:12am THREAD STARTER



NicksHitachi

Quote:

Originally Posted by **NicksHitachi**

Questions

What's wrong with my LG LCD?



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Start a New Thread

9/1/12 at 2:20pm THREAD STARTER

post #1



BlazeD7801

I noticed this issue today when I powered on my 2011 LG LCD. The set has about 2,100 hrs on and was working fine yesterday. The issue is that the picture looks blurry and low res with distorted text and jagged vertical and diagonal lines in what should be solid sharp and clear text lines, pictures, and other shapes. The issue occurs with all sources/inputs and on the TV menu itself. Is this a panel issue or a main board issue or something else? Anything I can try to resolve this issue? I reset the picture settings and tried various pic modes, but to no avail.

⋮

9/1/12 at 2:46pm



walford ▾


AVS Addicted Member

Is it a 3D model?

Did you try unplugging it for about 20 minutes in order to make sure it had a complete reboot w

Mentions

10/1/10 at 6:12pm



Elkhunter ▼
Senior Member
● offline
315 Posts. Joined 7/2008


rdjam:

Wouldn't a 1.4a AVR with 2 simultaneous HDMI outputs

I have an Yamaha RX-A3000 on order (due next Thursday)

TIA

10/1/10 at 6:24pm THREAD STARTER



rdjam ▼
New toy The Darblet!
AVS Gold Club
● offline
9,716 Posts. Joined 3/2005
Location: Miami, FL

Quote:

Originally Posted by **Elkhunter** ➡

rdjam:

Wouldn't a 1.4a AVR with 2 simultaneous HDMI outputs

I have an Yamaha RX-A3000 on order (due next Thursday)

TIA

That should be do-able. Don't have one yet but can't

However, I was planning to have one output for my projectors.

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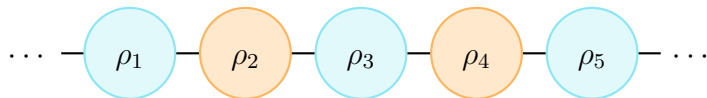
The Dataset

Evaluation Methods

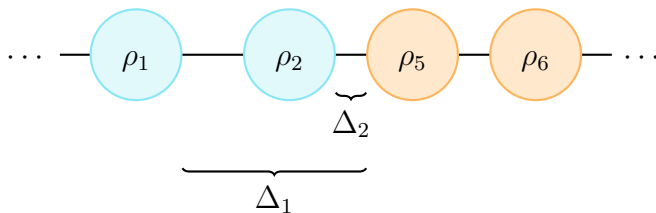
Initial Experiments

Different Approaches

Events



T -score



$$T = \frac{1}{N} \sum_{i \in \text{posts}} \Delta_i$$



1. Pr_{fa} More visits than posts, false alarm.
2. Pr_{miss} More posts than visits, miss.

Weighted average use as error metric.

$$Pr_{error} = \alpha Pr_{fa} + (1 - \alpha) Pr_{miss}$$

Pr_{error}



1. Pr_{fa} More visits than posts, false alarm.
2. Pr_{miss} More posts than visits, miss.

Weighted average use as error metric.

$$Pr_{error} = \alpha Pr_{fa} + (1 - \alpha) Pr_{miss}$$

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Baseline

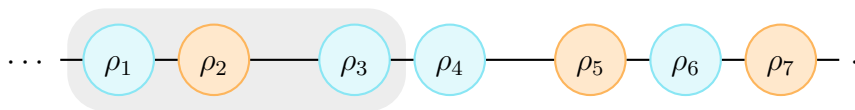
Description Take the average Δ_t from training set, and use that as the revisit time.

T-score

Visit/Post Ratio

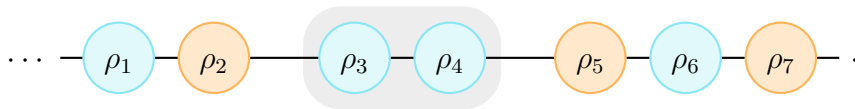
Windowing

Use features from windows of posts. Number of posts in window given by w .



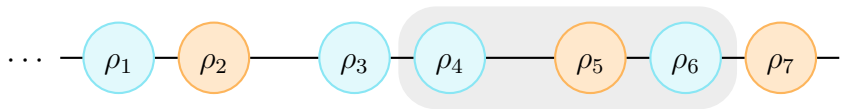
Windowing

Use features from windows of posts. Number of posts in window given by w .



Windowing

Use features from windows of posts. Number of posts in window given by w .



Window-based average

Description Take the average Δ_t from training set previous window, and use that as the revisit time.

T-score

Visit/Post Ratio

Support Vector Regression

Description Using only the window's Δ_t as features

T -score

Visit/Post Ratio

Content-based features

Count of individual tokens used:

1. Text is stemmed, stopwords removed
2. Occurences of usernames are replaced with '#USER#'
3. Occurences of tokens with mixtures of alphabets and numbers are replaced with '#MODEL#'
4. Univariate regression tests used to select features

Time-context

1. Hour of the day
2. Day of the week

Represented as bit vectors

Content features only

T -score

Visit/Post Ratio

Content features + Δ_t + time-context

T -score

Visit/Post Ratio

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Discounted Sum

$$\mathbf{X}_t = \mathbf{v}_t + \gamma \mathbf{X}_{t-1}$$

Stochastic Gradient Descent

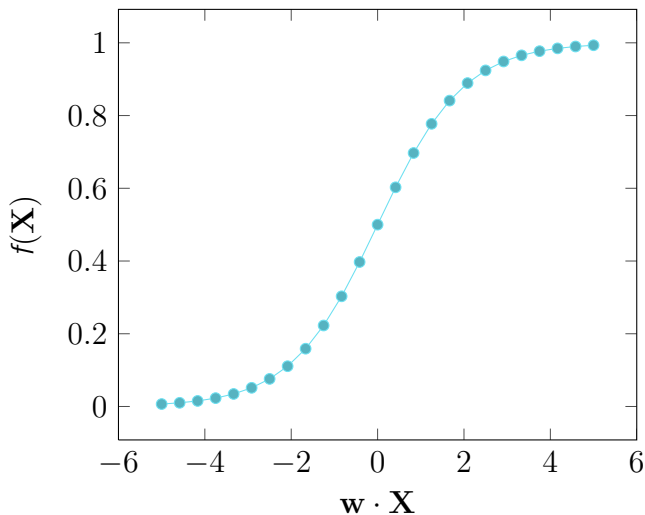
Function to be fitted:

$$f(\mathbf{X}) = \frac{\Lambda - \lambda}{1 + e^{\mathbf{w} \cdot \mathbf{X}}} + \lambda$$

Update rule:

$$\Delta \mathbf{w}_i = \eta \underbrace{\left(\widehat{\Delta}_t - \Delta_t \right)}_{\text{error term}} \underbrace{\left(f(\mathbf{X})(1 - f(\mathbf{X})) \right)}_{\text{gradient}} \mathbf{X}_i$$

Scaled Sigmoid Function



SGD results

Is there a name for this?