24th XBRL International Conference

“The Next Generation of Financial Mobile Application” in …?”

March 20-22, 2012
Abu Dhabi, UAE

Academic Track, MBA, Abbas Bagherian and March 22, 2012
Objectives

- Informed Investment Decisions

U.S. SECURITIES AND EXCHANGE COMMISSION

STRATEGIC PLAN

FOR FISCAL YEARS 2010–2015

Vision

The SEC strives to promote a market environment that is worthy of the public’s trust and characterized by transparency and integrity.

**Strategic Goal 3: Facilitate access to the information investors need to make informed investment decisions**

Outcome 3.1: Investors have access to high-quality disclosure materials that are useful to investment decision making.
Objectives: Knowledge Network

- For Investors
  - Standard Financial App for decision making,
  - Ask Expert

- For experts
  - To Consult their knowledge
  - Network Decision Making
  - Ranking performance
Objectives: Providing a network

- Financial Applications
  - Intelligent Framework
    - Development
    - Hosting
  - Informed Decision Making
  - Ranking the App/Expert Performance
The State–of–the–Art

- Modeling Financial Knowledge
  - Visual Modeling
  - Intelligent Applications
    - Data
    - Process
    - User Collaboration
Acknowledgement Receipt

The USPTO has received your submission at 04:25:40 EST on 18-MAR-2012.

$ 250 fee paid by e-Filer with RAM Confirmation Number: 7694.

eFiled Application Information

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<td>Title of Invention</td>
<td>Method, system and interfaces for online service through developing hosting expert applications and online social networks in web/mobile social cloud</td>
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<tr>
<td>First Named Inventor</td>
<td>Abbas Bagherian Kasgari</td>
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<td>Customer Number or Correspondence Address</td>
<td>abbas bagheran Sadr Eskandari Jonobi Tehran</td>
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Financial Apps for Decision Making

- Visual XBRL Analyzer
Modeling Financial Knowledge

- Fundamental Analysis through Visual XBRL
Title: ROE analysis

When Run:
By receiving any Company Disclosure Announcement

Parameters:
Symbol or Company
Industry=ind
Last disclosure

Formula:
\[ \Delta\text{ROE}.\text{Ind}=\text{ROE}.\text{Ind}.\text{avg.} \times \text{Last-ROE}.\text{Ind}.\text{avg.} \]
\[ \Delta\text{ROE}.\text{Com}=\text{ROE}.\text{Com}.\text{Last-ROE}.\text{Com}.\text{Prev} \]
\[ \Delta\text{NetProfit}=\text{NetProfit}.\text{Com}.\text{Last}-\text{NetProfit}.\text{Com}.\text{Prev} \]

Output:
Report(T4)
Investment Decision: LongTerm/ShortTerm (Buy/Sell/Hold)

Begin

Create object
\[ \Delta\text{ROE}.\text{Ind}\text{.ROE}.\text{Ind}.\text{Avg}.\text{Prev} \]
\[ \Delta\text{ROE}.\text{Com}\text{.ROE}.\text{Com}.\text{Prev} \]
\[ \Delta\text{NetProfit}=\text{NetProfit}.\text{Com}.\text{Last}-\text{NetProfit}.\text{Com}.\text{Prev} \]

no

\[ \Delta\text{ROE}.\text{Com}>\text{high}\% \]

yes

It is normal

no

\[ \Delta\text{ROE}.\text{Ind}\text{ is high} \]

yes

Equity Composition Analysis A1

no

\[ \Delta\text{Net profit} \]

yes

Sales Analysis A3

no

Is optimal?

yes

Assets Analysis A3

no

Report T4

Finish

Causes of com's profit increasing
Calc MostChangedElement
When Run:
By proc call
Parameters:
Symbol or Company
Industry=ind
Last disclosure
Function:
MostChangedElement
Output:
Report(TX)

Title: A1 - Equity Composition Analysis
When Run:
By proc call
Parameters:
Symbol or Company
Industry=ind
Last disclosure
Function:
MostChangedElement
Output:
Report(TX)

Which element have changed

Non continuous profit is expected in future.
Capital Increase lead to increase in profit.
xxxx

Capital Increase
Analysis A13

Subsidies Analysis A11

Profit/Sales? has increased
yes
no

Sale Analysis (A2)

When Run:
By proc call
Parameters:
Symbol or Company
Industry=ind
Last disclosure
Function:
MostChangedElement
Output:
Report(TX)

Profit/Sales?

Operational Profit/Sales?

Non-Operational Profit/Sales?

Durable - Long term investment
Short term investment/Non-Durable

xxxx

Asset analysis (A3)

When Run:
By proc call
Parameters:
Symbol or Company
Industry=ind
Last disclosure
Function:
MostChangedElement
Output:
Report(TX)

Buying Equipment or Long term investment

Receivable account Analysis A1

Subsidies Analysis A11

Capital Increase Analysis A13

Cash income A31

Equipment Analysis A32

Revenue Analysis A1
Financial Apps for Decision Making

- Visual XBRL Analyzer
- Visual Technical Analyzer
Technical Analysis
Technical Analysis

MA.Last: means MA of final data cell in Price series
MA.Prev: means MA of Previous data cell in Price series
P.Last: The most recent value in Price series
P.Prev: The previous value in Price series

Data entry
Create Object1
MA.Last

Hold signal
no
yes
P.Last=MA.Last
P.Prev=Ma.Prev

no
Buy order
yes
Sell order

finish
Technical Analysis

\( \alpha \) is used for neckline slopping for downward or upward pattern

If Triangle3.Detect Then
If (Triangle3.Max1>Triangle3.M2) Then

\begin{itemize}
  \item [start] Symetric
  \item [start] Symetric
  \item [start] Symetric
\end{itemize}

If Triangle4.Detect Then
If (Triangle4.Min2>Triangle4.Min1) Then

If (P.Last>\text{Triangle4 upper the max1-max2 line}) Then
If Volume=High Then

If Duration(AloF)=\text{max1-intersection of (max1-max3 line and min1-min2 line)} Then

If (Triangle5.Max3<Triangle5.Max2) Then
If Duration(AloF)=\text{max1-intersection of (max1-max3 line and min1-min2 line)} Then

\text{Hold Signal}

If (P.Last<\text{Triangle4 below the min1-min2 line}) Then
If Volume=High Then

\begin{itemize}
  \item [buy] buy
  \item [sell] sell
\end{itemize}

Finish

ascending triangle
symmetrical triangle
Descending Triangle
HS3(P): Detecting a Head and Shoulder with the point, a as Max, b as Min and c as Max (If Mode=Up)
The points are a as Min, b as Max and c as Min for Reverse Mode

HS4(P): Detecting a Head and Shoulder with the point, a as Max, b as Min and c as Max, d as Min where d=βb (If Mode=Up)
The points are a as Min, b as Max and c as Min, d as Max for Reverse Mode

α β is used for neckline sloping for downward or upward

Start HS3

yes

a%a<c no a=c

yes

Head&shoulder signal

Mode=Reverse

Triple Top signal

yes

Triple down signal

Start HS5

E=ua yes

no

Hold signal

Mode=Reverse yes

Buy order

no

Sell order
Financial Apps for Decision Making

- Visual XBRL Analyzer
- Visual Technical Analyzer
- Visual Financial Modeler
Company_ROE_for_the_Past_12_Months

ROE_Industry_Average_for_the_Past_12_Months

ROE_Analysis_Report
Hiding Technical Details

- Getting ride of technical details?
- Converting XBRL Public DB to an Easy to Use format
Financial Apps for Decision Making

- Visual XBRL Analyzer
- Visual Technical Analyzer
- Visual Financial Modeler
- Touchy Trader(VAlgo)
- Acme Business Intelligent
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Query Categories

- SP Category
- Reports Category
- USXBRL_Public_Database

EarningTrend
Acme Business Intelligent
query parameters: EPS_Quality_Analyses(DataContext context)

- from
- where
- select empty
- distinct
query parameters: EPS_Quality_Analysis(DataContext context)

from Drag and Drop an entity from Entity Source property into the box below to create a new Entity Source

No Data

New Source...

Entity name: 

Only DataContexts

- Enumeration_element_balance
- Enumeration_element_period_type
- Enumeration_unit_measure_location
- Fact
- Fact_aug
- Fact_element_view
- Label_resource
- Namespace
- Network
- Reference

Ok Cancel
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Financial Apps for Decision Making

- Visual XBRL Analyzer
- Visual Technical Analyzer
- Visual Financial Modeler
- Touchy Trader(VAlgo)
- Acme Business Intelligent
- Intelligent Visual Fraud
Mexico, 2007

Intelligent Pyramid Continues Auditing Agent Framework for Softening SOX Burden on Public Stock Companies

Abbas Bagherian
Senior Officer of Exchanges and Markets Affairs
Securities and Exchange Organization
Sep. 2007, Mexico City
Paris, 2009

GLOBAL XBRL ACADEMIC COMPETITION

PRIZE WINNER
Application Development
Graduate Team

PROFESSORS
Dr. Ahmad Ahmadvouri
Dr. Ali Sorayae

STUDENTS
Mr. Abbas Bagherian
Ms. Roghaye Bagherian
Mr. Hamed Mosavi

At
School of Business Management
Islamic Azad University-Babol
Iran

Presented June 2009
19th XBRL International Conference
Paris, France
if ALERT1 then
    begin
        if ALERT2 then
            begin
                if ALERT3 then
                    begin
                        if ALERT4 then
                            begin
                                return true;
                            end
                        end
                    end
                end
            end
        end
    end
Abu Dhabi, 2012
24th XBRL International Conference

“The Next Generation of Financial Mobile Application in Expert Onliner®

March 20-22, 2012
Abu Dhabi, UAE

Academic Track, MBA, Abbas Bagherian and March 22, 2012
Financial Apps for Decision Making

- Visual XBRL Analyzer
- Visual Technical Analyzer
- Visual Financial Modeler
- Touchy Trader(VAlgo)
- Acme Business Intelligent
- Intelligent Visual Fraud
- Expert Onliner
Expert Onliner®

Sign in By Phone

Sign in By Email

Sign UP
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<th>Online Experts</th>
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<th>Price</th>
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<td>3.00 $</td>
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<td>consultant</td>
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</table>
Abbas Bagherian
Exchange Supervision Expert
Consultant Grade
Performance Grade

Busy
Distance
GPS

Date | Time     | Price
--- | -------- | ----
01/08/2012 | 8:30 pm to 10:30 pm | 2.00 $
02/11/2012 | 1:30 pm to 5:00 pm | 2.00 $
03/2/2012  | 4:11 pm to 8:53 pm  | 2.25 $

About Abbas
Abbas Bagherian Kasgar holds MBA at School of Business Management, I.A.U. University of Babol and he is a member of Young Researchers Club. He and his colleagues win the prize of 9th XBRL Global Academic Competition 2008-09, which was held in Bryant University.

Comments
When you talk to Abbas, you'll know you are in presence of a sophisticated professor! Thank you Abbas!
01/23/2012 8:53 pm

Very great consultant!
01/29/2012 6:11 pm
Expert Onliner®

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online me

Give  Get

Ask Expert

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Back  Change Domain  Event
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Applications

consultant service
Give	Get

online me
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There is a negative divergence between price and MFI. So, it is predictable that price will decrease. The YSAR indicator shows that the price will decrease, too.
The YSAR Touchy Trader the price will decrease, too.

Fundamental Analysis

FA Decision

| MSFT | Buy | short term |

Growth in EPS for the past three years in MSFT was more than twice of three-year industry average EPS growth. So, MSFT is better managed than its peers.
The YSAR
Touchy Trader the price will
decrease, too.

Expert Expectations

Expert Forecast
Average forecast of analyst suggests buying MSFT
with price divergence of 10%.

Consensus Estimate
Analysts are revising estimates upward, this
can be a very bullish sign.

Forecast Discrepancy

MSFT
There is a significant discrepancy among analyst forecasts. This usually means that it is difficult to forecast a company's results and indicates the possibility of a big surprise.
Applications
consultant service
Give  Get
online me
Give  Get
Ask Expert
Profile
Back  Change Domain  Event
Why we need a new Gen Financial Application?

- **Tools**
  - Fast and Easy
  - Professional
  - Modern Technology

- **Expert**
  - Deep Knowledge
  - Best Experiences

- **Documented Knowledge**
  - Memorized by Experts
  - Available by Consultant

- **Next Gen App**
  - Wise Decision in Right Time
  - Informed Decision Making

- **Network of Experts**
  - Network Thinkers
  - Live Knowledge

- **Live Knowledge**
  - Saved by Expert App
  - Updated by Network

What we Have now

Next Gen
The EO will be launched globally before August 2012.
We’re going to register in US, 2012.
Vision: A Global Multi Domain Expert Network
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Finance
Investments
Options and Futures
International Finance
Corporate Finance
Auditing
Accounting
Financial Statement Analysis
Valuation
Accounting for Trading
Macro Economics
Financial Modeling Competition

- Designing Model for Financial Analysis
- Algorithm Trading
- Continuous Auditing
- Modeling Financial Frauds for Regulators
Why join?

- Online Consultant
  - Sharing knowledge through networked modeling
  - Expert can enrich their spare time
- Ranking the Performance
- Cloud Computing for Financial Application
How?

Expert Onliner
Thank You

AbbasBagherian@Yahoo.com