

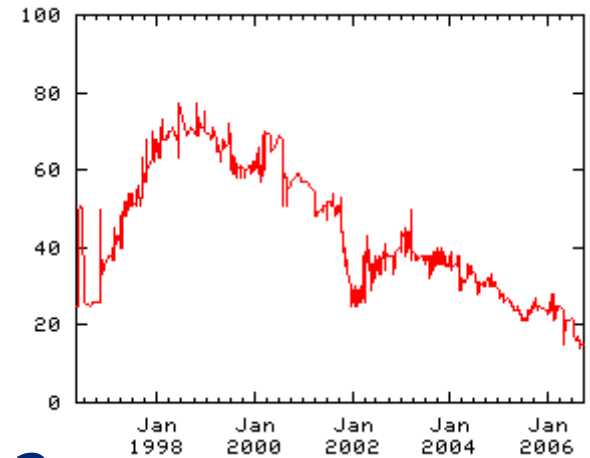
The MarMix Project

...forecasting the future

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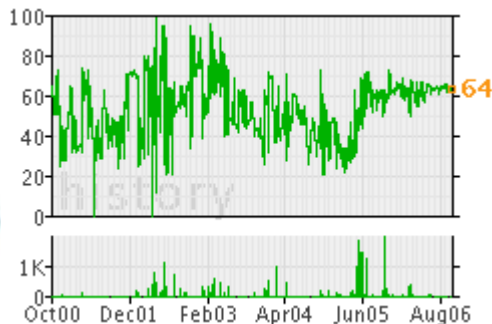


- What is a prediction market?
- What's the object of the game?
- How does it work?
- Who's in the prediction business?
- We want you!
- Start playing now (Web/SMS)
- Actual Claims



What is a prediction market?

- Prediction markets are **speculative markets** inspired by the **future exchanges** created for the purpose of **making predictions**.
- Assets are created whose **final cash value** is tied to a **particular event** or **parameter**.
- The **current market prices** (fixed by the bidding and asking prices) can then be interpreted as **predictions of the probability** of the event or the expected value of the parameter.

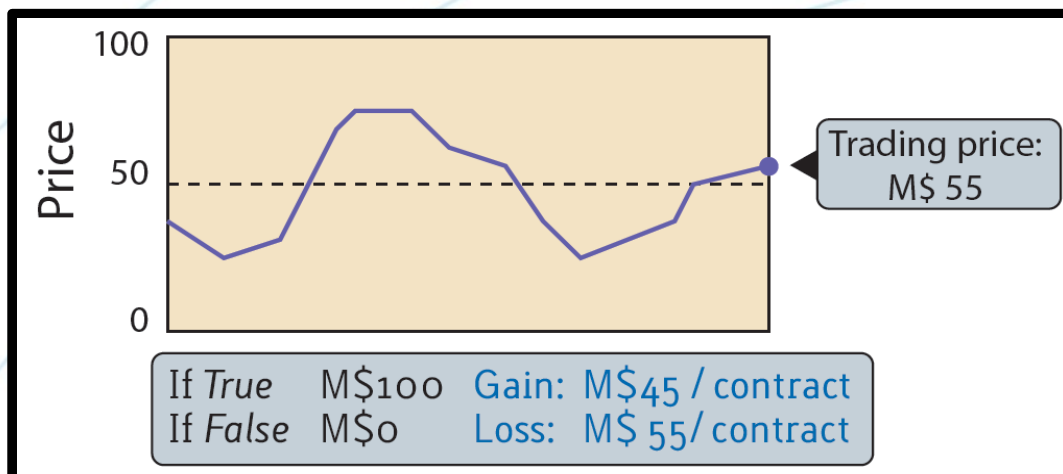


What's the object of the game?

- The prediction market, like any speculative market, **aggregates the individual expertise and opinions** of **well-informed** traders into a single number: a **stock's trading price**.
- This number can be taken as indicating the **collectively agreed-upon likelihood** of a particular outcome in the real-world.
- Since it involves “**putting money where your mouth is**”, this game **rewards the better** informed traders while **penalizing the worst**.
- The result is a sort of **permanent poll of experts** who predict what will happen next in the world.

How does it work?

- Let's suppose that you want to invest in the outcome
« **The ENA deploy a sensor network for predicting avalanches till end of 2009** »



- If the predicted outcome occurs, then each contract that you bought will yield M\$ 100 and you will have earned M\$ 45 per contract (100 - 55). That's a 81% return on your investment!

Who's in the Prediction Business?

- Prediction markets are gaining traction elsewhere in the Fortune 500, trying prediction markets to divine everything from the future price of LCD TVs to the number of consumers, who will buy forthcoming products.

Microsoft

Predicting the number of bugs in new software applications

**hp HEWLETT
PACKARD**

Forecasting microchip prices

GE General Electric

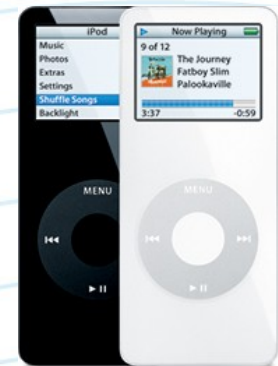
Choosing the best new research ideas

Google

Predicting the dates of product launches

We want you!

- Participate in a unique experiment to predict the emergence of new mobile applications and technologies.
- Your objective is the **maximization** of the value of your portfolio by trading on the market the proposed "contracts".
- The best player (with the highest portfolio) will be **rewarded** during the first quarter 2007.



Start playing now on marmix.mics.org!

- To register select the "register" link on the homepage
- Choose your home university
- Log-in with your home university username/password
- Create your account
- You have to validate your account using the link supplied in the confirmation email

The screenshot displays the Marmix trading platform interface. At the top, there is a header for "ACCOUNT HISTORY" with a search bar containing "MarMix" and a logo. Below this, the interface is divided into several sections:

- HOLDINGS:** A table with columns: Qty, Symbol, Value, Chge. It shows a single entry for "cash" with a quantity of 880.76, a value of 880.76, and a change of 0.00. A "Totals" row shows a value of 880.76.
- QUOTES:** A table with columns: Symbol, Bid (Qty), Ask (Qty), Last, Chge. It shows a quote for "AVALANCHE" with a bid of 0.00 (0) and an ask of 0.00 (0). The last price is "None" and the change is 0.00.
- OPEN ORDERS TOP TEN:** A table with columns: Username, Account Value. It shows one entry for "f33" with an account value of 0.000.

A tooltip for "Avalanche" is visible, providing information about the Swiss Federal Institute for Snow and Avalanche Research and its sensor-network project in the Alps.

Start playing now by SMS!



- To register with your mobile phone, send:
MICS NEW username your@email to 8400
 - 1 You have to use your academic email in order to register.
 - 2 You can freely choose a username. Your username will be displayed on the website.

20ct/SMS

Robots (MICS 2005 conference)

- Robots equipped with a sound detection module and a relative positioning module which allow them to work as a swarm to detect and localize a sound source are placed in a room (25 m²) with hundred mobile phones. We randomly select a mobile phone and let it ring. The robots will be faster than human to detect the ringing phone.
- Settlement Date: 31.12.2008



>> YES: send MICS BUY ROBOTS to 8400

>> NO: send MICS SELL ROBOTS to 8400

Avalanche

- The Swiss Federal Institute for Snow and Avalanche Research deployed a sensor-network in an area of the Alps to predict the risks of avalanche. The results obtained by the sensor-network as well as the treatments based on fluid-dynamics models make it possible to obtain valid results with a margin of error of 20% during one whole season (01.11 to the 30.04).
- Settlement date: 01.05.2009



>> YES: send MICS BUY AVALANCHE to 8400

>> NO: send MICS SELL AVALANCHE to 8400

Mobile Phones with RFID

- The first mobile phones integrating a RFID chip will be sold on the Swiss market before the end of 2008. These mobile phones must be proposed by at least an operator to the private customers and be available in the stores. The presence or absence of associated applications is not determining.
- Settlement Date: 31.12.2008



>> YES: send MICS BUY RFID to 8400

>> NO: send MICS SELL RFID to 8400

Intelligent Building (MICS 2005)

- Smart Environments gain in importance due to comfort and energy saving. The development of ludic interfaces allowing the users to set up their environment (heating, ventilation and air conditioning) are improving the energy efficiency. Till the end of 2009, real life applications shows that users are better than fully automated systems in energy saving.
- Settlement date: 31.12.2009



>> YES: send MICS BUY BUILDING to 8400

>> NO: send MICS SELL BUILDING to 8400

mPayment (MICS 2005 conference)

- At the last MICS meeting of 2009, the majority of the participants will pay their train ticket with their mobile phone whereas the minority uses traditional payment method (credit cards, cash).
- Settlement date: 30.11.2009



>> YES: send MICS BUY MPAYMENT to 8400

>> NO: send MICS SELL MPAYMENT to 8400

Vehicular Network

- A natural size test of Vehicular Network will take place with 10 vehicles, whose security architecture is based on an algorithm inspired by a MICS research. Vehicular networks enable vehicles to communicate with each other via Inter-Vehicle Communication (IVC) as well as with roadside base stations via Roadside-to-Vehicle Communication (RVC).
- Settlement date: 31.12.2012



>> YES: send MICS BUY CAR to 8400

>> NO: send MICS SELL CAR to 8400