
NEWSKNITTER

# Team

Ebru Kurbak, MSc
PhD Candidate & Instructor,
Kunstuniversität Linz, Space & Design Strategies

Mahir M. Yavuz, MFA
PhD Candidate & Instructor,
Kunstuniversität Linz, Interface Cultures
Senior Researcher on Graphic Design at Ars Electronica Futurelab

20 September 2008

NEWSKNITTER

# Project Description

News Knitter is a data visualization project which focuses on knitted garments as an alternative medium to visualize large scale data.

As a source of large scale data we used the online daily political news feeds.



NEWSKNITTER

# Focus Points

Having a multidisciplinary final product.
Having a simple and functional product which reflects the idea of the artist.
Finding an alternative medium to display art.
Shifting the role of the designer from production to conceptualization.
Convergence of the different technologies.

# Keywords

collective production
unpredictability
tactile
visual readiblity
live streams
fashion
communication

20 September 2008

NEWSKNITTER

# Process

Data Gathering

↓

Data Mining

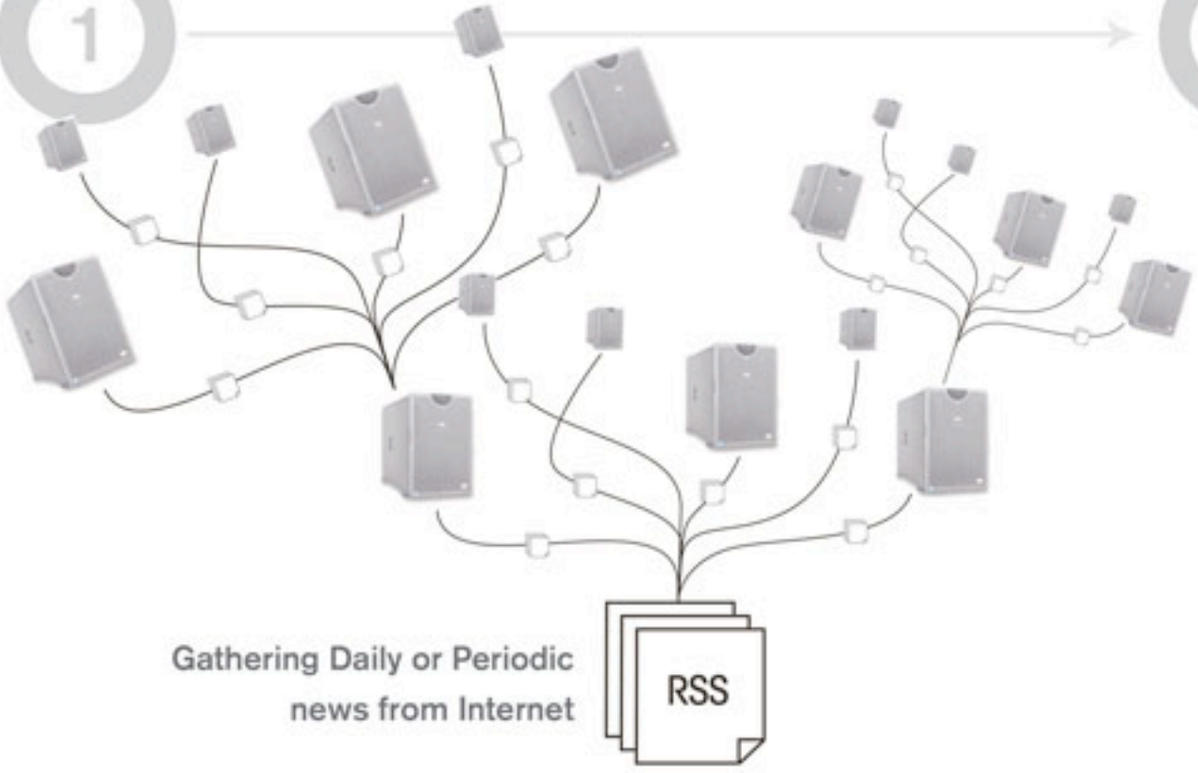
↓

Visualization

↓

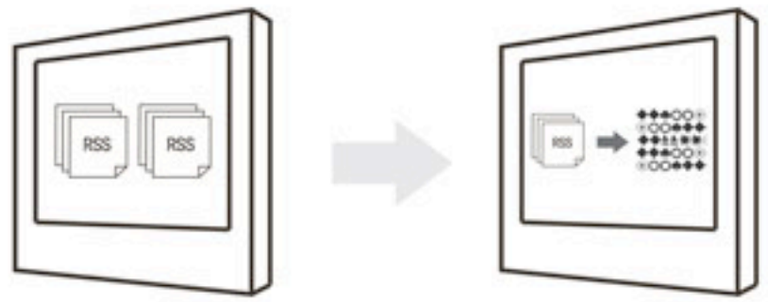
Knitting

1



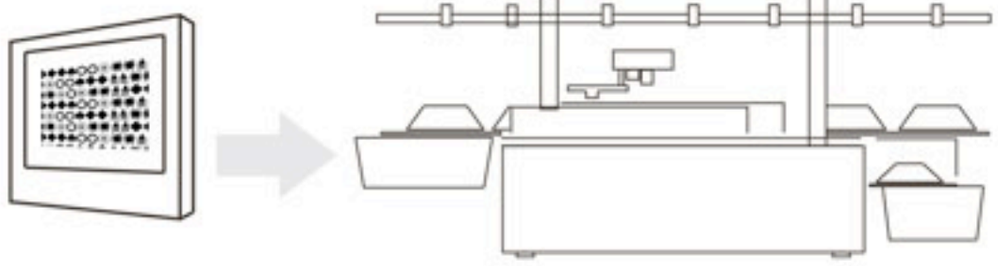

Gathering Daily or Periodic
news from Internet

2



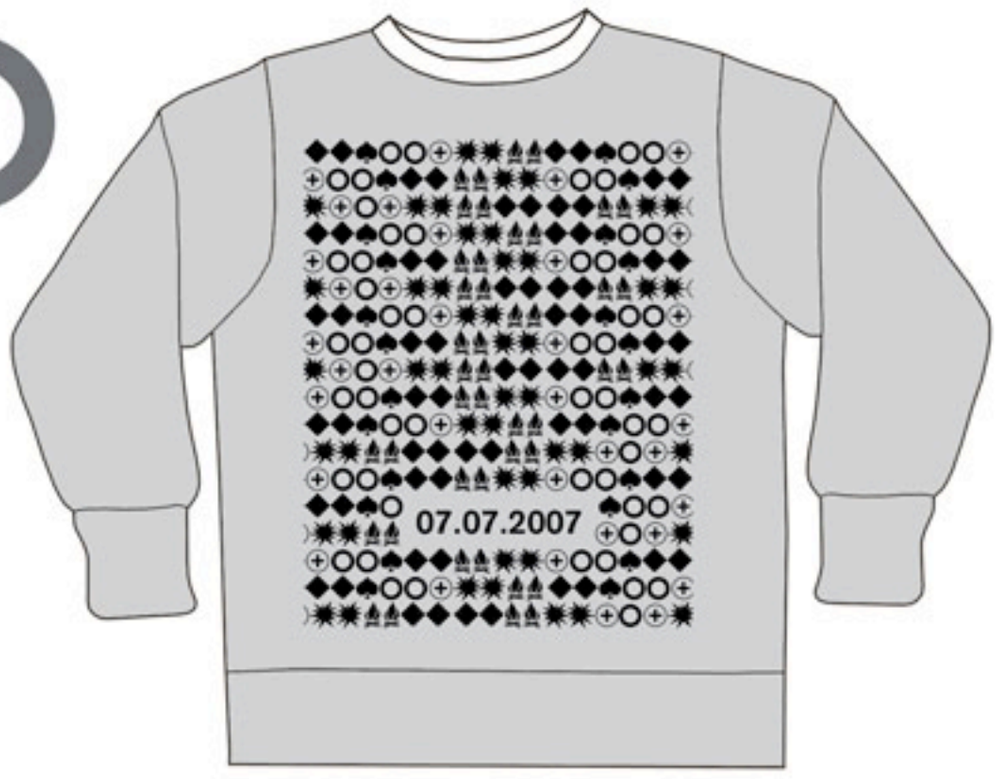

Data Analysis & Pattern Generation

3



Knitting Procedure

4




A news knitter sweater

Google News

Search News | Search the Web

**Search and browse 4,500 news sources updated continuously.**




- Top Stories
- >World
- U.S.
- Business
- Sci/Tech
- Sports
- Entertainment
- Health

**Most Popular**

News Alerts

RSS | Atom
About Feeds

Mobile News

About
Google News


## World



BBC News

### Timeline: N. Korea nuclear dispute

CNN - **1 hour ago**

A North Korean soldier scans the southern side of the border at Panmunjom along the Demilitarized Zone. Five nations -- the United States, South Korea, Russia, China and Japan -- are applying pressure on Pyongyang to get the secretive nation to give up ...

Bush holds up North Korea as possible model for Iran Reuters
N. Korea to Disable Main Nuclear Facility This Year NPR
Bloomberg - Reuters UK - Dallas Morning News - Kansas City Star
**all 815 news articles »**




KSBW
Channel.com

### Over 400 trapped S.African miners rescued

Reuters - **1 hour ago**

By James Macharia ELANDSRAND MINE, South Africa, Oct 4 (Reuters) - Rescue teams brought the first 450 miners out of 3200 trapped deep underground in a South African gold mine to the surface early on Thursday, mine and union officials said.

Harmony Gold Starts Rescue of 3200 Trapped Miners (Update4) Bloomberg
3000 gold miners trapped, but unhurt, in South Africa Winston-Salem Journal
The Associated Press - AFP - WBOC TV 16 - Moneyweb
**all 1,346 news articles »**



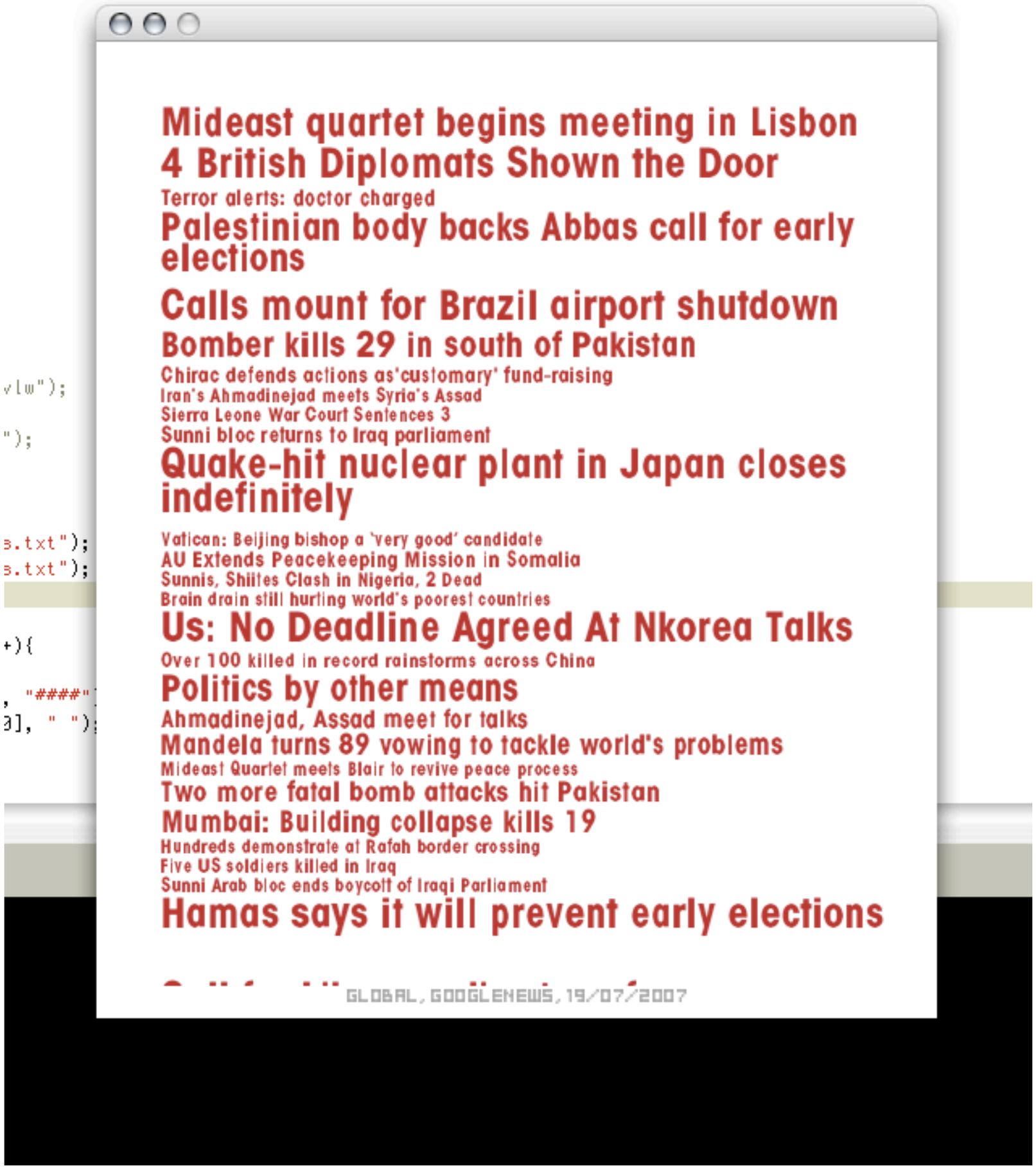
NBC6.net

### Mediators at Darfur talks need patience-elders

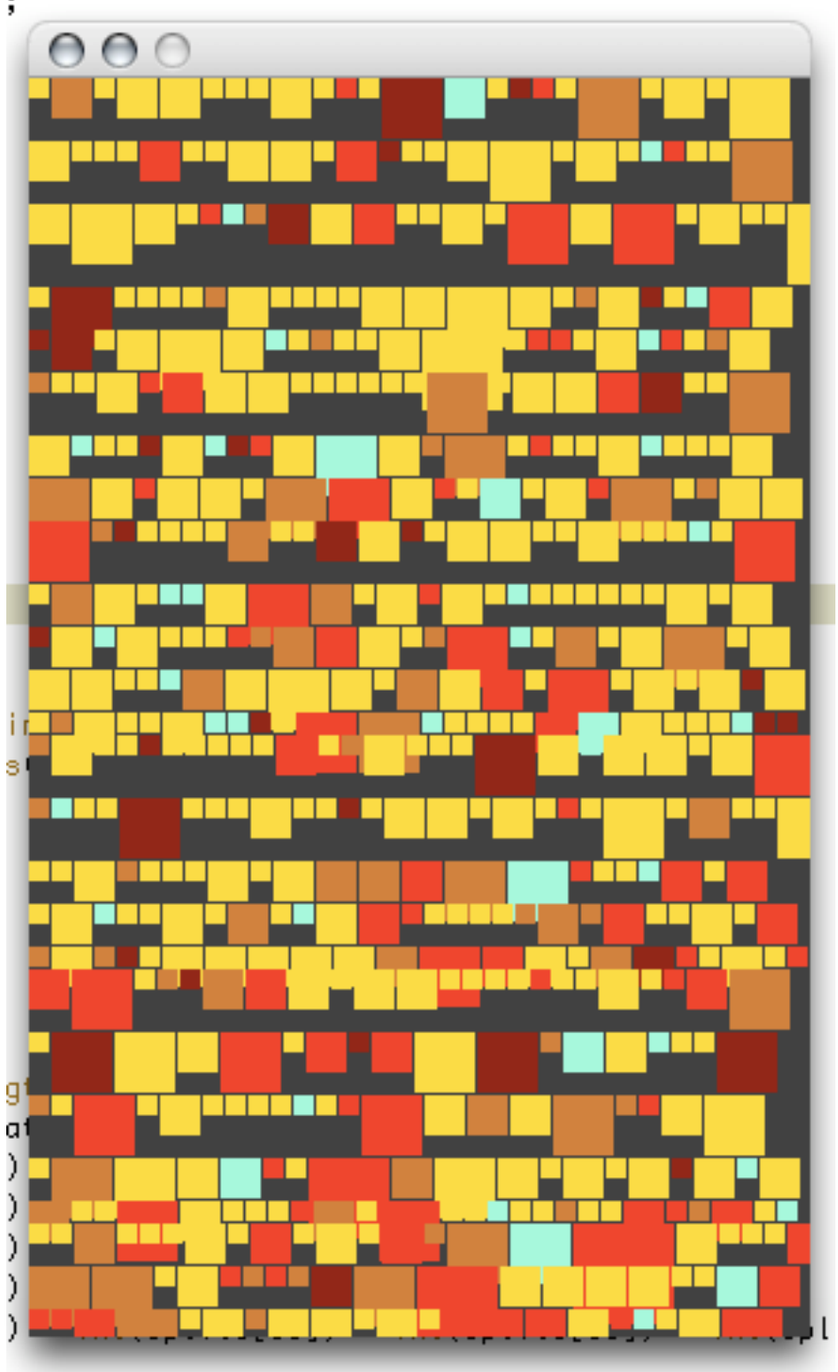
Reuters - **3 hours ago**

By Opheera McDoom KHARTOUM, Oct 3 (Reuters) - Mediators at Darfur peace talks will need patience and negotiators need to be more representative of the people of Sudan's remote west, a group of elder statesmen said on Wednesday after visiting the region ...

Carter, Path Barred, Confronts Sudan's Security New York Times
Carter: I'll tell President Bashir about this Atlanta Journal Constitution
Winston-Salem Journal - NPR - Scotsman - Guardian Unlimited
**all 551 news articles »**


Mideast quartet begins meeting in Lisbon
4 British Diplomats Shown the Door
Terror alerts: doctor charged
Palestinian body backs Abbas call for early elections
Calls mount for Brazil airport shutdown
Bomber kills 29 in south of Pakistan
Chirac defends actions as'customary' fund-raising
Iran's Ahmadinejad meets Syria's Assad
Sierra Leone War Court Sentences 3
Sunni bloc returns to Iraq parliament
Quake-hit nuclear plant in Japan closes indefinitely
Vatican: Beijing bishop a 'very good' candidate
AU Extends Peacekeeping Mission in Somalia
Sunnis, Shiites Clash in Nigeria, 2 Dead
Brain drain still hurting world's poorest countries
Us: No Deadline Agreed At Nkorea Talks
Over 100 killed in record rainstorms across China
Politics by other means
Ahmadinejad, Assad meet for talks
Mandela turns 89 vowing to tackle world's problems
Mideast Quartet meets Blair to revive peace process
Two more fatal bomb attacks hit Pakistan
Mumbai: Building collapse kills 19
Hundreds demonstrate at Rafah border crossing
Five US soldiers killed in Iraq
Sunni Arab bloc ends boycott of Iraqi Parliament
Hamas says it will prevent early elections
GLOBAL, GOOGLENEWS, 19/07/2007

;



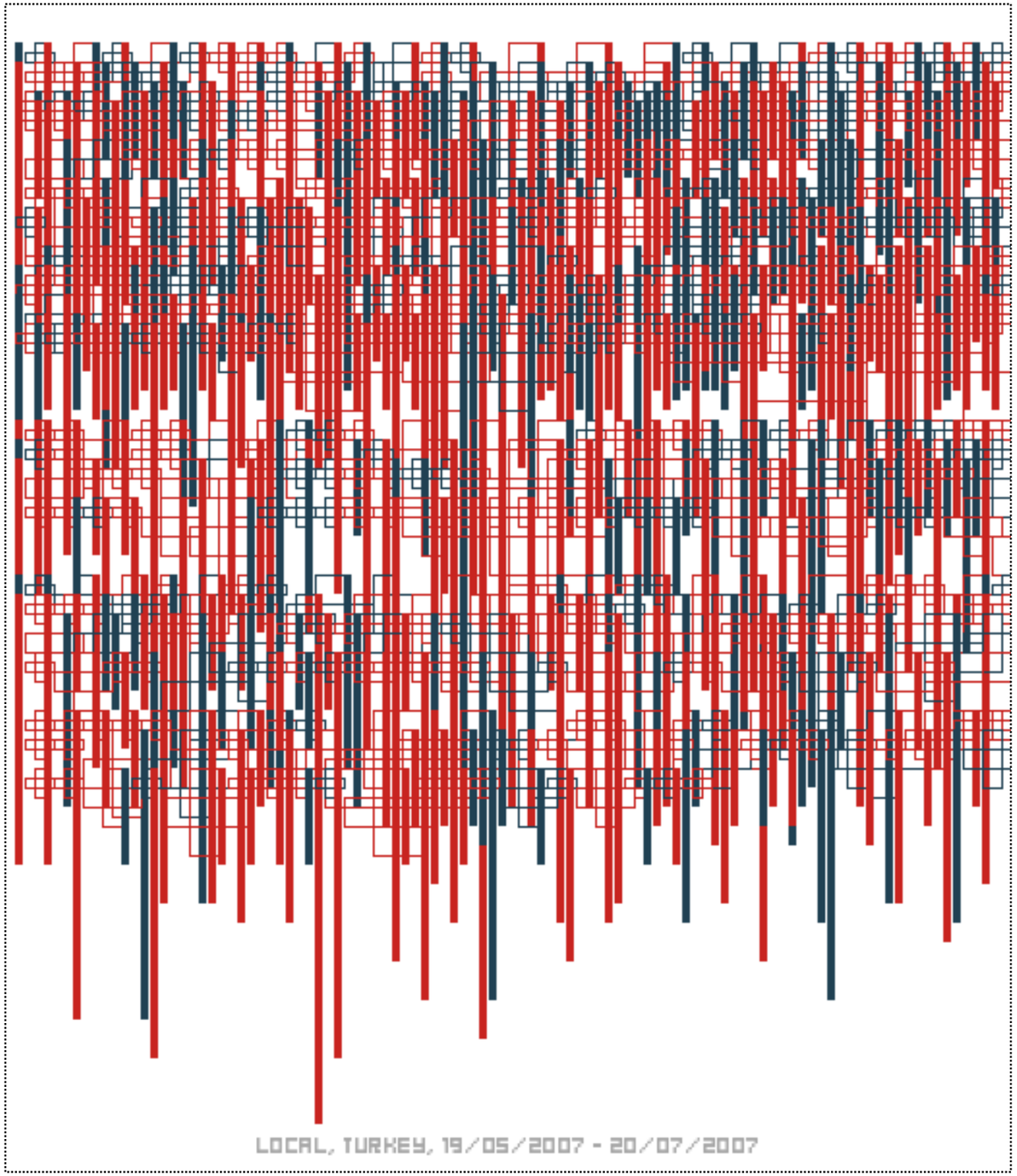
AKP
CHP
MHP

Results of 22 July 2007 Elections

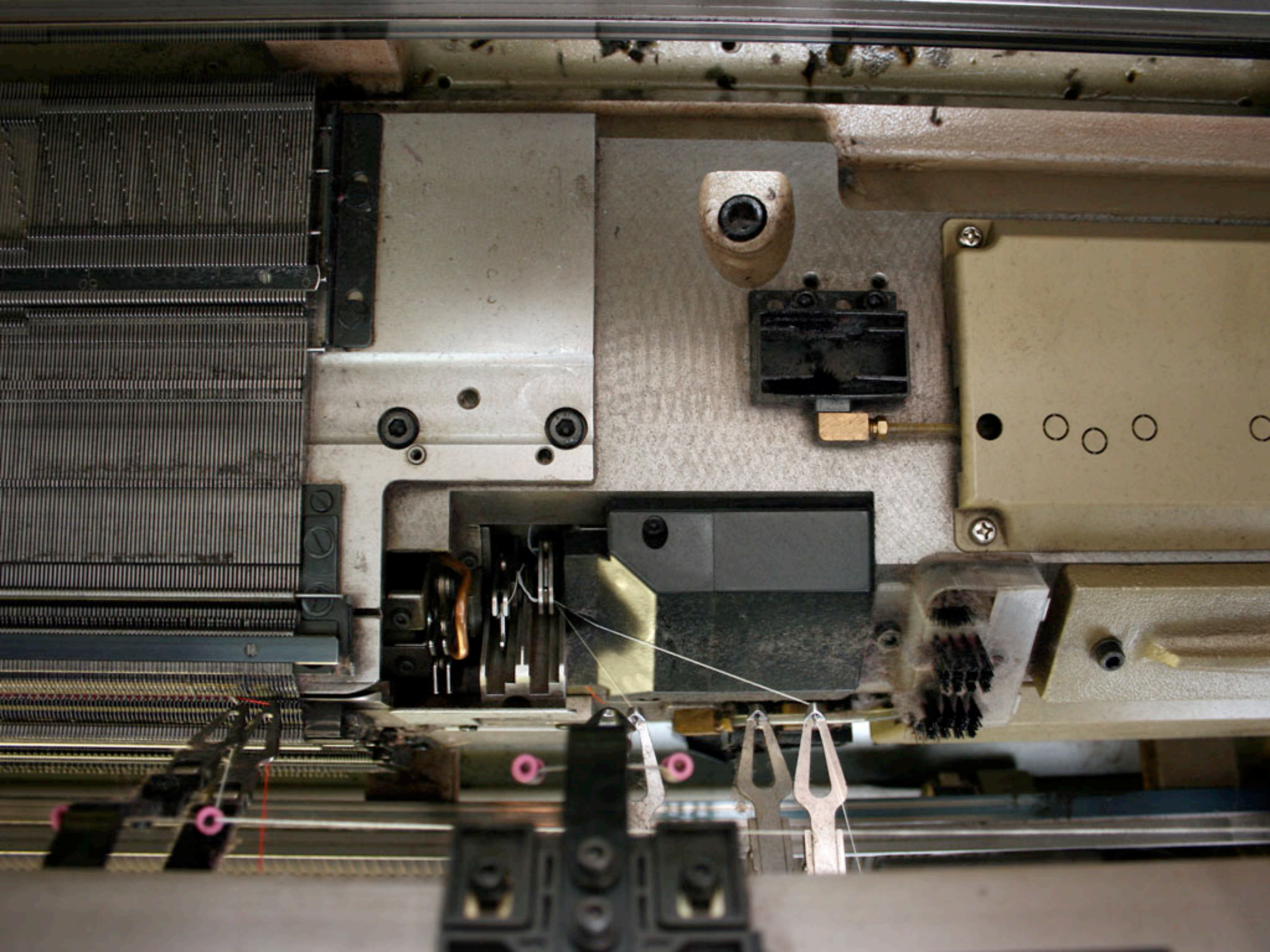
| | | | |
|---|---|---|---|
| AKP | %46,58 | 16.327.291 | 341 |
| CHP | %20,88 | 7.317.808 | 112 |
| MHP | %14,27 | 5.001.869 | 71 |


LOCAL, TURKEY, 19/05/2007 - 20/07/2007

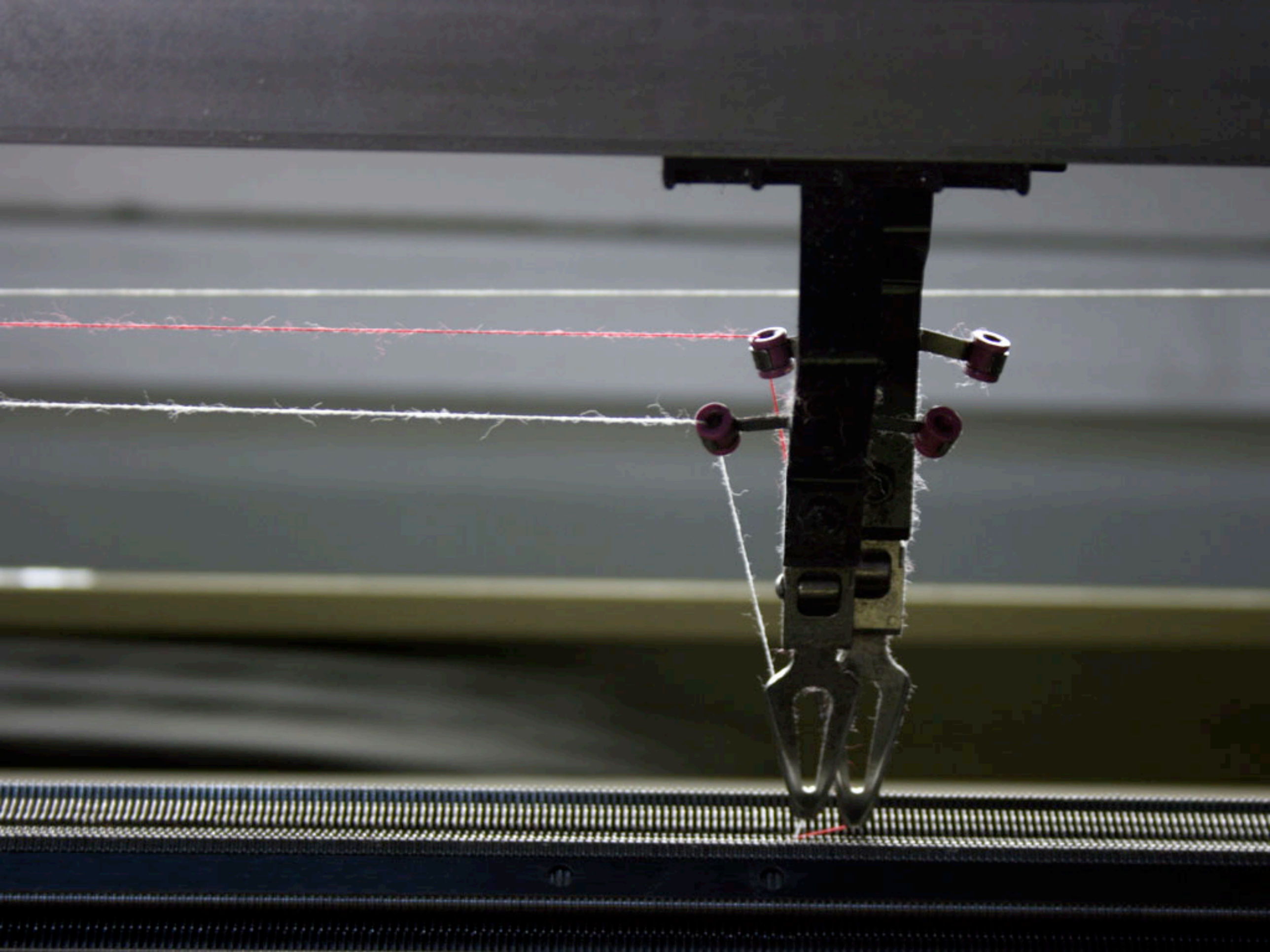

AVRUPA
ASYA
LOCAL, TURKEY, 19/05/2007 - 20/07/2007


LOCAL, TURKEY, 19/05/2007 - 20/07/2007














ABOUT AMERICAN TEXT THIS
QUESTION ANTITERROR LAW BEFORE SO
BRITISH EMBASSY IN CHILE
FOR HELP ON GAZA CROSSINGS
FOREIGN MEDIA FOR EXAGGERATING FOO
BECOME WO
BOYCE PADDOCK
TO REOPEN 14
FIGURES AS BRITAN
US AND U SPECIAL
RELATIO TO STA
GOOGLE NEWS





- TESCO TO REOPEN 14 THREATE
  STORES ACROSS BRITAIN
- US AND UK'S SPECIAL
  RELATIONSHIP TO STAY

GLOBAL, GOOGLENEWS, 1[illegible]











# Patterns

Daily
-- Typographic
-- Graphical

Tematik
-- Graphical (Bar)
-- Graphical (Plus)

20 September 2008



## THEMATIC-PLS-19/05-20/07/2007

This pattern has been generated from 'Turkish local' news feeds from various newspapers during a certain period of time.

Asia Europe Irrelevant

In this pattern, there are nearly 5000 news items. There are two different keyword groups that are filtered among these items. The first group **(red pluses)** represents the visualization of the news items related to 'europe', the second group **(blue pluses)** represents the items related to 'asia'. If any item is irrelevant in terms of this filtering, then it turns into a grey dot. The size of the plus signs depends on the frequency of the repetition of the keywords. All of the items are placed in chronological order from upper left to lower right.

## THEMATIC-PLS-19/05-20/07/2007

This pattern has been generated from 'Turkish local' news feeds from various newspapers during a certain period of time.

Education Military Irrelevant

In this pattern, there are nearly 5000 news items. There are two different keyword groups that are filtered among these items. The first group **(red pluses)** represents the visualization of the news items related to 'military', the second group **(blue pluses)** represents the items related to 'education'. If any item is irrelevant in terms of this filtering, then it turns into a grey dot. The size of the plus signs depends on the frequency of the repetition of the keywords. All of the items are placed in chronological order from upper left to lower right.

## THEMATIC-BAR-19/05-20/07/2007

This pattern has been generated from 'Turkish local' news feeds from various newspapers during a certain period of time.

Asia Europe

In this pattern, there are nearly 5000 news items. There are two different keyword groups filtered among these items. The first group **(red bars)** represents the visualization of the news items related to 'europe', second group **(blue bars)** represents the items related to 'asia'. The length of the bars depends on the frequency of the repetition of the keywords. All of the items are placed in chronological order from upper left to lower right.

## THEMATIC-BAR-19/05-20/07/2007

This pattern has been generated from 'Turkish local' news feeds from various newspapers during a certain period of time.

Education Military

In this pattern, there are nearly 5000 news items. There are two different keyword groups filtered among these items. The first group **(red bars)** represents the visualization of the news items related to 'military', second group **(blue bars)** represents the items related to 'education'. The length of the bars depends on the frequency of the repetition of the keywords. All of the items are placed in chronological order from upper left to lower right.

NEWSKNITTER

MADE IN TURKEY / 2007

NEWSKNITTER

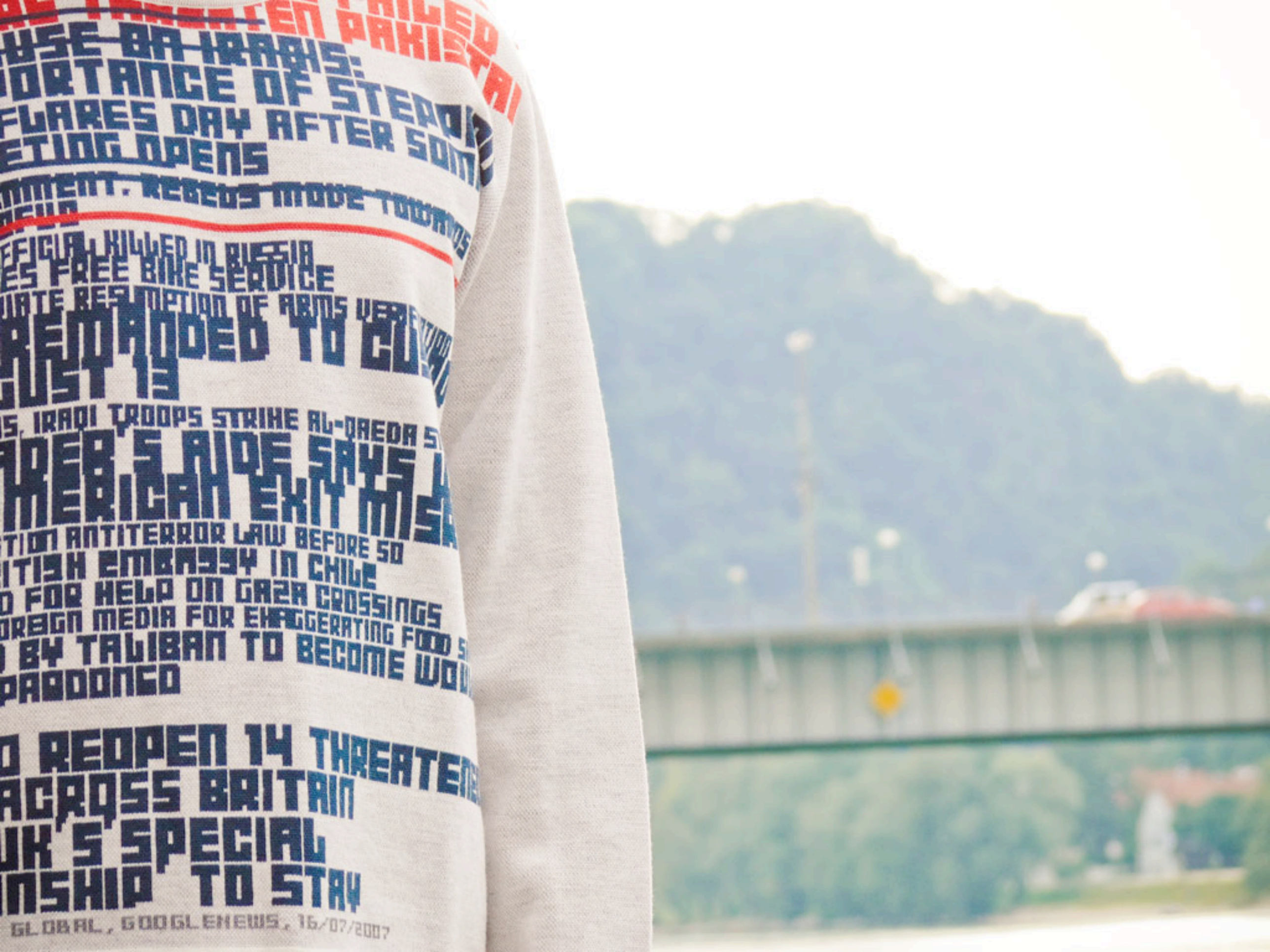
MADE IN TURKEY / 2007


FAILED
PAKISTA
HOUSE BA IRAQIS:
IMPORTANCE OF STEPPI
FLARES DAY AFTER SOMA
MEETING OPENS
KILLED IN RUSSIA
FREE BIKE SERVICE
IRAQI TROOPS STRIKE AL-QAEDA
ANTITERROR LAW BEFORE SO
BRITISH EMBASSY IN CHILE
FOR HELP ON GAZA CROSSINGS
FOREIGN MEDIA FOR EXAGGERATING FOOD
BY TALIBAN TO BECOME WO
IS PADDINGTON
TO REOPEN 14 THREATE
ORES ACROSS BRITAIN
AND UK'S SPECIAL
ELATIONSHIP TO STAY
GLOBAL, GOOGLENEWS, 16/07/2007


LOCAL TURKEY 19/05/2007 - 20/0/200


ADAL. TURKEY. 13/05/2007


IMPORTANCE OF STEAM
DAY AFTER SOLAR
FLARES
MEETING OPENS


FLARES DAY AFTER SOM
ESTING OPENS
REDOUBLED TO CU
AMERICAN EXIT MI
ACROSS BRITAIN
UK'S SPECIAL
NSHIP TO STAY
GLOBAL, GOOGLENEWS, 16/07/2007




LOCAL TURKEY. 19/05/20









# DAILY-TXT-19/07/2007

This pattern has been generated from daily 'global' news feed of googlenews.

NEWSITEMOUT

The news list only consists of the headlines of the news items and is arranged according to the time of publishing. The point size of the headline, the scale of the circles and the length of the lines indicate the popularity of that particular item. If a news item has been published in over 700 different sources, then its colours turn into red.



# TIC-PLS-19/05-20/07/2007

has been generated from 'Turkish local' news
arious newspapers during a certain period of time.

Europe  Irrelevant

n, there are nearly 5000 news items. There are
keyword groups that are filtered among these
st group **(red pluses)** represents the visualization
tems related to 'europe', the second group **(blue**
sents the items related to 'asia'. If any item is
erms of this filtering, then it turns into a grey
of the plus signs depends on the frequency of the
the keywords. All of the items are placed in
order from upper left to lower right.

# LIMIT PEACE PROCESS

## TIME AT NORTH POLE

## ARKER SENTENCED TO DEA

## CASE

## UN BANGLADESH REA

## TO HASINA ARREST

## CALLS TO DEMONSTRATE TO SU

## GO

## EE URGES US TO STICK BY

# Thanks to

TETAŞ Tekstil, İstanbul (Sezgin Bingöl, Engin Arabacı ve Esen Yazıcı)
Fatoş Triko, İstanbul

Prof. Dr. Arif Kurbak
Dr. Serap Dönmez Kretzschmar

Alper Ersoy
Efe Mert Kaya
Ricardo Nascimento

http://casualdata.com/newsknitter

Thanks !