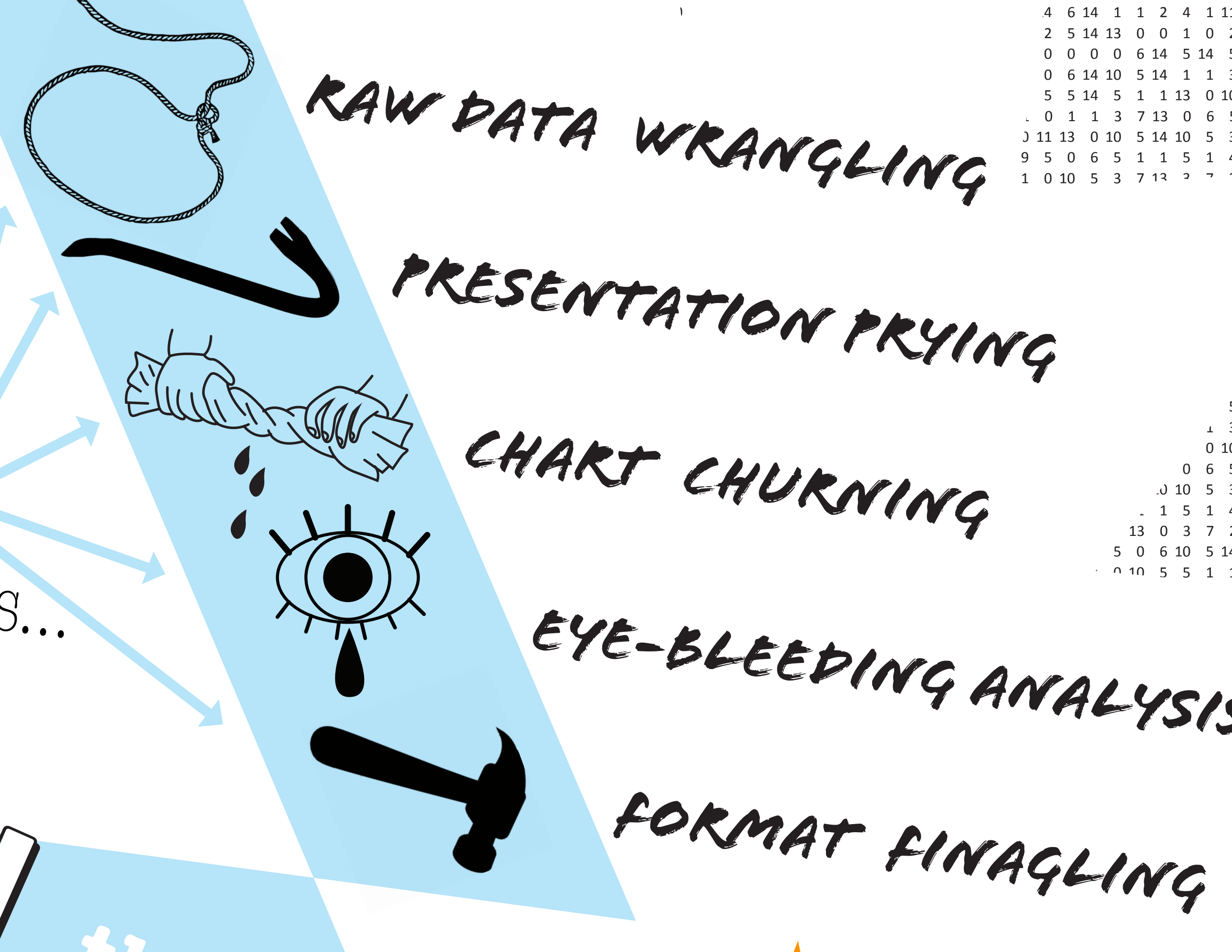


# B.L.A.S.T.

The Boeing Library Automated Statistics Tool

IN THE BEGINNING....  
Boeing librarians  
used to do these  
to get their stats...



Now, they do this

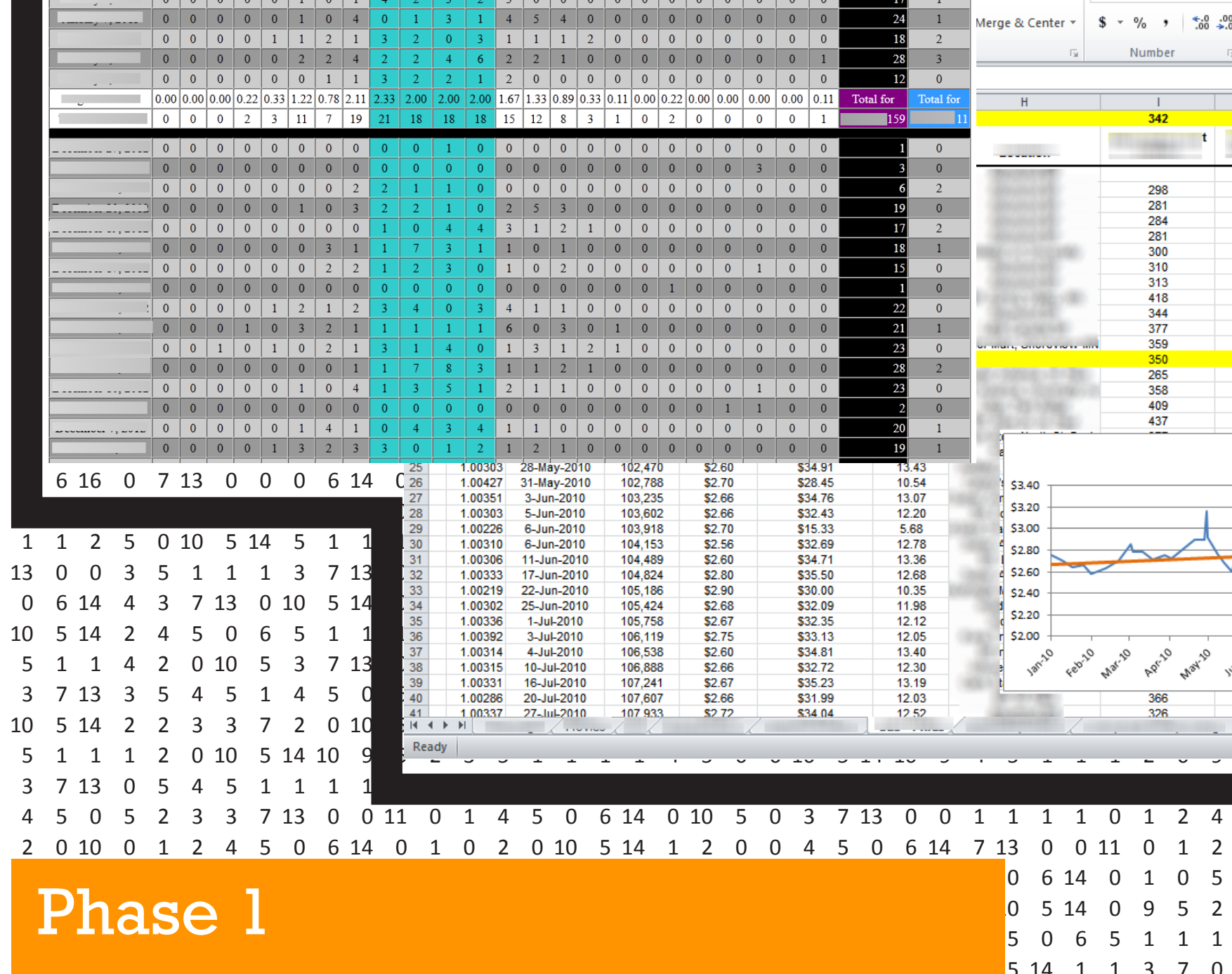
SAVES MONEY! [ 2 hours saved per click! ] SAVES TIME!  
SO LIBRARIANS ARE FREE TO GET BACK TO BUSINESS.



OPTIMIZED

BUSINESS

INTELLIGENCE



```

36 Context context = null;
37 Connection con = null;
38 ResultSet rs = null;
39 Statement stmt = null;
40 String query = null;
41
42 // DEPENDING UPON THE PARAMETER SENT BY THE HTML PAGE, A QUERY IS SELECTED
43 if (q.equals("total")) { // queries the total requests per
44     query = "select sum(r) from requests"; // queries the total daily r
45 } else if (q.equals("daily")) { // queries aggregate statistics (s
46     query = "select sum(r) from requests"; // queries aggregate statistics (s
47 } else if (q.equals("monthly")) { // queries monthly LiveChats
48     query = "select sum(r) from requests"; // queries monthly LiveChats
49 } else if (q.equals("monthlyOffChat")) { // queries monthly OffChat
50     query = "select sum(r) from requests"; // queries monthly OffChat
51 } else if (q.equals("hourly")) { // queries the hour
52     query = "select sum(r) from requests"; // queries the hour
53 } else if (q.equals("hourly")) { // queries the hour
54     query = "select sum(r) from requests"; // queries the hour
55 }
56
57 try {
58     // ESTABLISH THE CONNECTION TO THE DATABASE
59     context = new InitialContext();
60     context = (Context)context.lookup("java:comp/env/jdbc/");
61     DataSource source = (DataSource)context.lookup("java:comp/env/jdbc/");
62     con = source.getConnection();
63 } catch (Exception e) {
64     e.printStackTrace();
65 }

```



Phase 1

**METRICS ANALYSIS**

- \* Quantitative Review
- \* Background Research
- \* Process Observations

Phase 2

**CONNECTIVITY + OPERATIONS**

- \* Java
- \* JDBC
- \* SQL

Phase 3

**INTERFACE**

- \* AJAX
- \* JSP
- \* jQuery
- \* HTML+CSS

A Visualized Data Dashboard

by Andy Donovan | Master of Library & Information Science | Capstone 2013

