

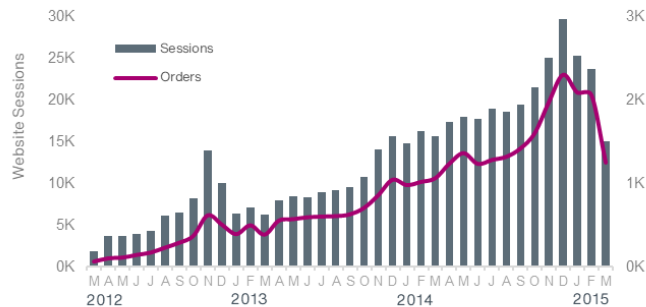


MAVEN FUZZYFACTORY

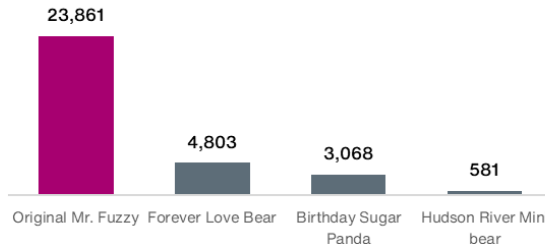
March 19, 2012 to March 19, 2015

Revenue	Sessions	Orders	Conversion Rate
\$1.9M	473K	32K	7%

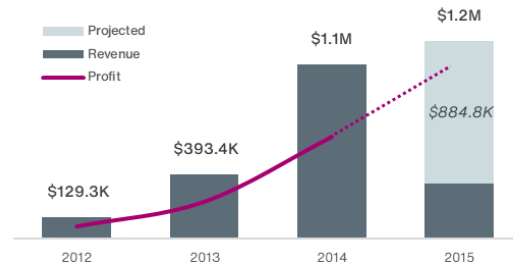
Website sessions and orders have increased each year



The Original Mr. Fuzzy has generated the most orders



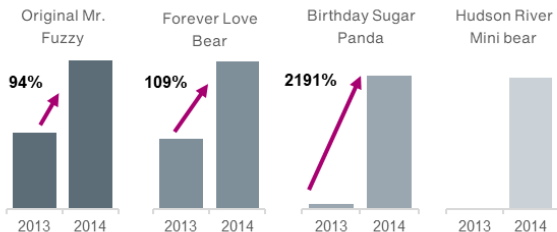
2015 Revenue and Profitability trend based on prior year performance



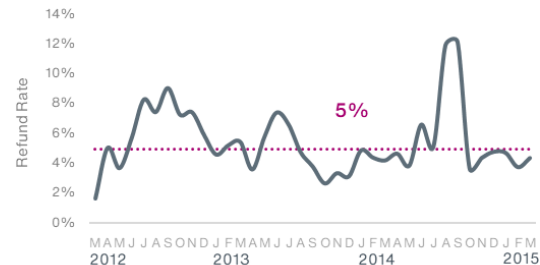
Gsearch is the main driver of paid session traffic



2014 saw extreme order growth for all primary products



The average refund rate is 5%



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1  -- Maven Fuzzy Factory exploratory analysis
2
3  use mavenfuzzyfactory;
4
5  -- 1. Which tables will help you analyze revenue information? orders
6  SELECT
7      YEAR(orders.created_at) AS Year,
8      SUM(price_usd) AS Revenue,
9      SUM(cogs_usd) AS Cost,
10     SUM(refund_amount_usd) AS Refund,
11     SUM(price_usd) - SUM(cogs_usd) - SUM(refund_amount_usd) as Profit,
12     count(DISTINCT orders.order_id) as Orders
13 FROM
14     orders
15     LEFT JOIN order_item_refunds
16         on orders.order_id = order_item_refunds.order_id
17 GROUP BY YEAR(orders.created_at);
18
19 -- 2. How many sales has the company made? 32,313
20 SELECT count(DISTINCT order_id) as TotalSales FROM orders;
21
22 -- What are the highest volume primary_product_id values? 1 & 2
23 SELECT
24     primary_product_id,
25     product_name,
26     COUNT(DISTINCT order_id) AS OrderCount
27 FROM
28     orders
29     LEFT JOIN products
30         ON orders.primary_product_id = products.product_id
31 GROUP BY primary_product_id, product_name
32 ORDER BY ordercount DESC;
33
34 -- 3. Order Items table: what is the date range covered? March 19, 2012 to March 19,
35 2015
36 SELECT
37     MIN(created_at) as FirstDate,
38     MAX(created_at) as LastDate
39 FROM
40     order_items;
41
42 -- How many unique products do you see in the table? 4
43 SELECT DISTINCT
44     (product_id)
45 FROM
46     order_items;
47
48 -- Are prices fixed or do they vary over time? Prices are fixed
49 SELECT DISTINCT
50     (price_usd), product_id
51 FROM
52     order_items;
53
54 -- Find max and min prices
55 SELECT
56     MAX(price_usd) AS MaxPrice, MIN(price_usd) AS MinPrice
57 FROM
58     order_items;
59
60 -- 4. Website_sessions: what does each row represent? One website visit
61 -- What are the most popular values for utm_source? gsearch and organic traffic
62 SELECT
63     utm_source,
64     COUNT(DISTINCT website_session_id) AS SessionCount
65 FROM
66     website_sessions

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66 GROUP BY utm_source
67 ORDER BY COUNT(DISTINCT website_session_id) DESC;
68
69 -- What are the most popular values for device_type? Desktop and Mobile
70 SELECT DISTINCT
71     (device_type), COUNT(website_session_id) as SessionCount
72 FROM
73     website_sessions
74 GROUP BY device_type
75 ORDER BY COUNT(website_session_id) DESC;
76
77 -- 5: Website_pageviews: what does each row represent? An instance of a page being
78 loaded/a visit to a page
79 -- What are the most popular pageview_url values? /products, /the-original-mr-fuzzy
80 SELECT
81     pageview_url, COUNT(website_pageview_id) as PageViews
82 FROM
83     website_pageviews
84 GROUP BY pageview_url
85 ORDER BY COUNT(website_pageview_id) DESC;
86
87 -- What is the maximum pageviews listed on one session? 7
88 SELECT
89     website_session_id,
90     COUNT(DISTINCT website_pageview_id) AS PagesViewed
91 FROM
92     website_pageviews
93 GROUP BY website_session_id
94 ORDER BY COUNT(DISTINCT website_pageview_id) DESC;
95
96 -- 9. Pull a monthly trend of a count of website sessions and a monthly trend of total
97 orders sold for the lifetime of the business
98 SELECT
99     left(monthname(website_sessions.created_at),3) AS Month,
100     count(DISTINCT website_sessions.website_session_id) AS Sessions,
101     count(DISTINCT orders.order_id) as Orders,
102     round(count(DISTINCT orders.order_id)/count(DISTINCT
103         website_sessions.website_session_id),2) as ConversionRate
104 FROM
105     website_sessions
106     LEFT JOIN orders
107     ON website_sessions.website_session_id = orders.website_session_id
108 GROUP BY year(website_sessions.created_at), month(website_sessions.created_at);
109
110 -- 10. Pull a count of orders sliced by primary_product_id for the year 2014
111 -- Compare that to a count of orders from 2013 and calculate the YoY increase
112 CREATE TEMPORARY TABLE Temp_Table
113 SELECT
114     primary_product_id,
115     product_name,
116     year(orders.created_at) as Year,
117     count(orders.created_at) as Orders,
118     count(case when year(orders.created_at) = 2014 then orders.order_id else null end)
119     as 'Orders_2014',
120     count(case when year(orders.created_at) = 2013 then orders.order_id else null end)
121     as 'Orders_2013'
122 FROM
123     orders
124     LEFT JOIN products
125     ON orders.primary_product_id = products.product_id
126 WHERE
127     YEAR(orders.created_at) in(2014,2013)
128 GROUP BY primary_product_id, product_name
129 order by primary_product_id;

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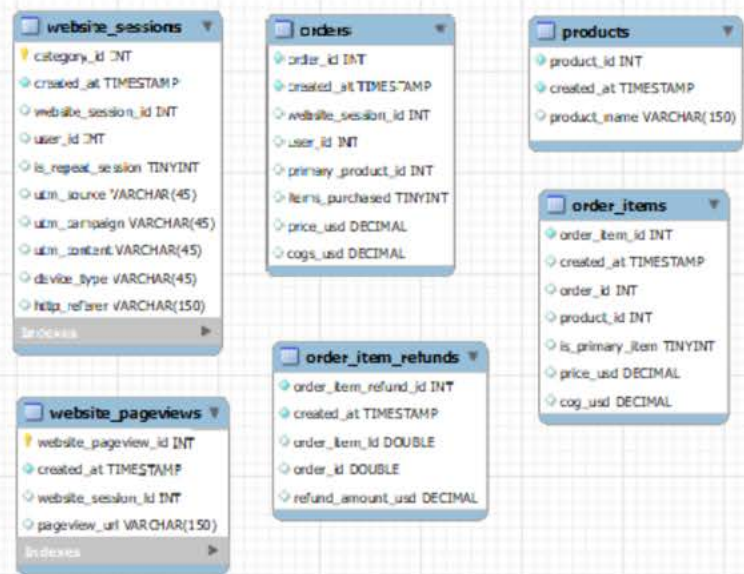
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127 SELECT
128     primary_product_id,
129     product_name,
130     orders_2014,
131     orders_2013,
132     round((orders_2014 - orders_2013)/orders_2013*100) AS 'YoYGrowth%'
133 FROM
134     Temp_Table;
135
136 -- 11. Use the website_sessions table to pull a monthly trended count of
137 website_sessions for each of the 3 major paid traffic sources
138 SELECT
139     YEAR(created_at) as Year,
140     left(MONTHNAME(created_at),3) as Month,
141     utm_source,
142     COUNT(DISTINCT website_session_id) AS Sessions
143 FROM
144     website_sessions
145 WHERE
146     utm_source IN ('gsearch' , 'bsearch', 'socialbook')
147 GROUP BY utm_source, YEAR(created_at), MONTHNAME(created_at)
148 ORDER BY utm_source, YEAR(created_at), MONTH(created_at), COUNT(DISTINCT
149 website_session_id) DESC;
150
151 -- 12. Pull a trend of the order_refund rate by month for the life of the business
152 SELECT
153     YEAR(orders.created_at) AS Year,
154     left(MONTHNAME(orders.created_at),3) AS Month,
155     COUNT(DISTINCT orders.order_id) AS Orders,
156     COUNT(order_item_refunds.order_id) AS Refunds,
157     round(COUNT(order_item_refunds.order_id)/COUNT(DISTINCT orders.order_id) * 100,1)
158     as 'RefundRate%'
159 FROM
160     orders
161     LEFT JOIN
162     order_item_refunds ON orders.order_id = order_item_refunds.order_id
163 GROUP BY YEAR(orders.created_at), MONTHNAME(orders.created_at)
164 ORDER BY YEAR(orders.created_at), MONTH(orders.created_at);
165
166 -- Project revenue for 2015 based on prior year performance
167 SELECT
168     YEAR(orders.created_at) AS Year,
169     month(orders.created_at) as Month,
170     SUM(price_usd) AS Revenue
171 FROM
172     orders
173 GROUP BY YEAR(orders.created_at), Month(orders.created_at);

```



Before



After

