SoftBI®

The premier Business Intelligence product line for productivity and efficiency analyses, SCC Soft Computer's SoftBI leverages industry leading data visualization software against SCC's LIS Data Warehouse.

SoftBI is a data analytics and visualization application for hospitals and clinical laboratories of all sizes. This business intelligence solution can be used with most LIS or EMR systems, enabling users to integrate administrative data for management reporting, trending, and research. SoftBI also supports activities such as staffing and pricing.

SCC's complete line of business intelligence products will include a full suite of interactive drill-down style reports that provide critical operational data, analytical and statistical data, laboratory efficiency data, various productivity analyses, and other reports involving data from all of SCC's core software products.

FEATURES AND BENEFITS

Feature: SCC Data Warehouse
Benefit: SCC has developed powerful data management services and a data warehouse. SoftBI makes data mining across SCC product databases a reality.

Feature: SoftBI Designer
Benefit: Users can interact with real-time data, change the presentation of information quickly and effectively, and drag and drop data onto reports for lightning-fast reporting.

Feature: SoftBI User Portal
Benefit: The User Portal provides a modern web interface to supply and manage real-time, dynamic reports for end-users in a familiar format on-demand around the clock. Reports can be edited online and saved for colleagues to view at their convenience. An advanced set of user and group permissions provide only the reports required to those who need them.

Feature: SoftLab® Productivity Dashboards
Benefit: SCC has prepared report packages specific to laboratory-related business intelligence and productivity optimization to enable users to focus on the decision-making process rather than the finer points of SQL. These laboratory productivity dashboards enable users to identify trends and proactively prevent deficiencies in current processes and workflows. Accurate, up-to-the-minute turnaround time reports are included.

Feature: SoftBI-SoftA/R® Reports suite
Benefit: Modern billing and accounts receivable departments require a flexible drill-down reports interface and an updated reports suite. The SoftBI-SoftA/R® reports package includes more than 50 financial, laboratory statistics, and operations reports to improve your ability to effectively improve revenue cycle management activities.

Feature: Advanced Interactive Reports interface
Benefit: SoftBI is an easy-to-use reports visualization tool that fully supports any array of data drill functionality from the SoftBI User Portal by including active link options between prepared reports.

Feature: Report Distribution
Benefit: Embed reports into internal websites for easy access or enable e-mail distribution on the SoftBI User Portal to send reports on your schedule. All familiar mobile formats are supported.

Feature: Ad hoc data mining
Benefit: SoftBI uses advanced technology that provides extremely fast access to data with a powerful user interface enabling reports professionals to create meaningful reports with minimal development.

Test Counts Dashboard - Year to Year Comparison

Standard dashboards include various displays of tests ordered data compared side by side from year to year and month by month. Prepared drill-down reports are standard details supplied with all workbooks.

Histogram Dashboard By Test Code and Patient Gender (User Portal)

SoftBI User Portal view of a Histogram and percentage of results by patient gender for a Selected Test for a given date range with customizable result ranges. This dashboard is customizable with filtering criteria that can be added to the filtering options at top left during implementation.
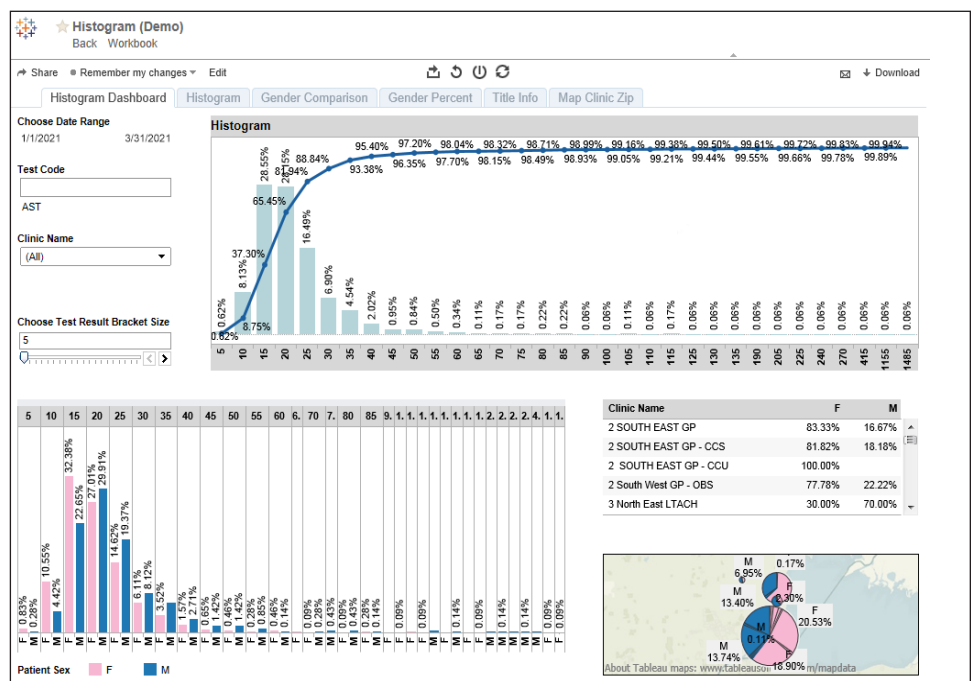
Turnaround Time Outlier metadata and drill-down link

The TAT Dashboard contains detailed information activated by hovering over a specific test in the Outliers by Hour report. Select the Details link to view a crosstab display of the source data.
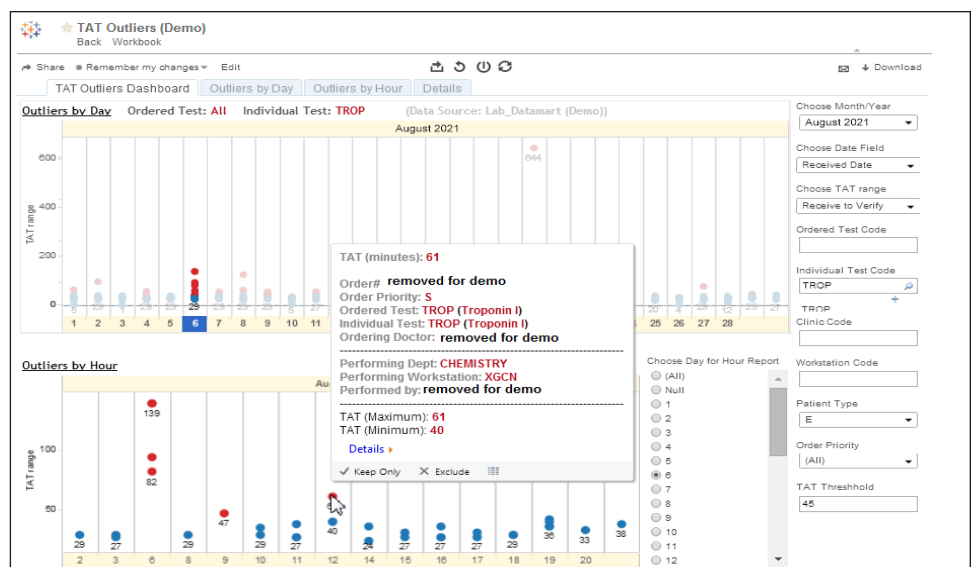
SAMPLE SCREENSHOTS

Received to Verify Turnaround Time Summary

This highly customizable dashboard features dynamic context filters (the lower graph will change depending on the selected date as shown). In this view, TAT by Day for the month of January 2014 with the day of January 11 is selected. The results shown in the TAT by Hour report are for that date.
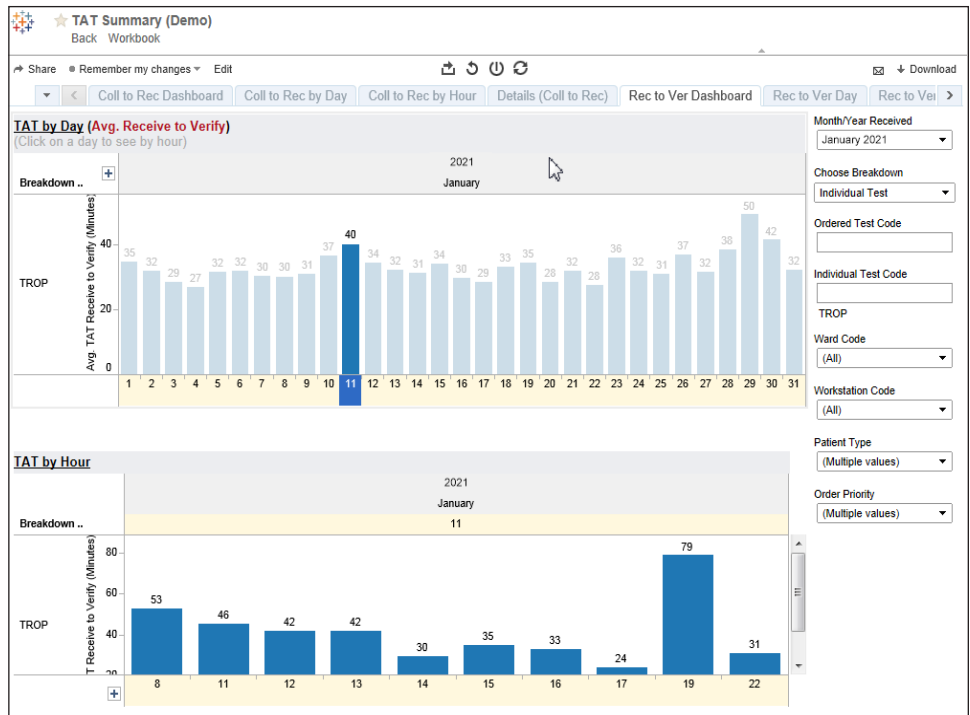
A/R Risk Matrix Aging Invoices by Current Payor

The SoftBI–SoftA/R reports suite contains dozens of Financial, Operational, and Laboratory Statistical reports. Shown: SoftBI User Portal view of the Aging Report with total number and dollar amounts of outstanding invoices by current payor.

TAT Trending Scatter Plot

Identify patterns and trends in your turnaround times of specific tests for a range of dates. Do you see the clusters of high turnarounds? The filter criteria displayed are flexible and can be changed interactively on the SoftBI User Portal.
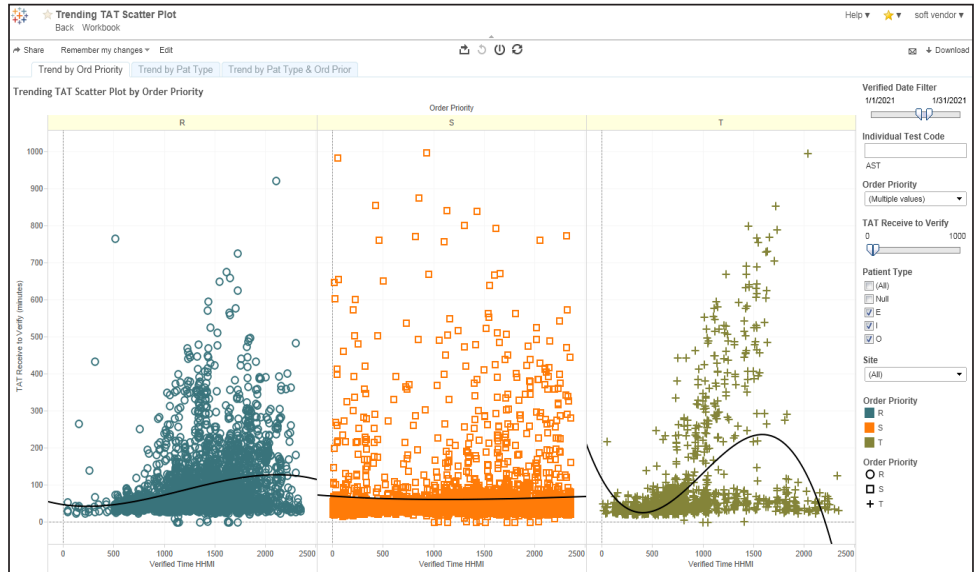
TAT and Test Count Statistics by Year, Month, and Day

The dashboard shows average turn-around times and total ordered test counts for selected workstations, clinics, and tests by Year, Month, and Day. The dashboard has active point-and-click filters. Simply click the year in the first report on the dashboard to display that year in the turnaround times By Month report. To view the drill-down report, select a month and mouse over the TAT By Day report to view the detailed report in the SoftBI User Portal.
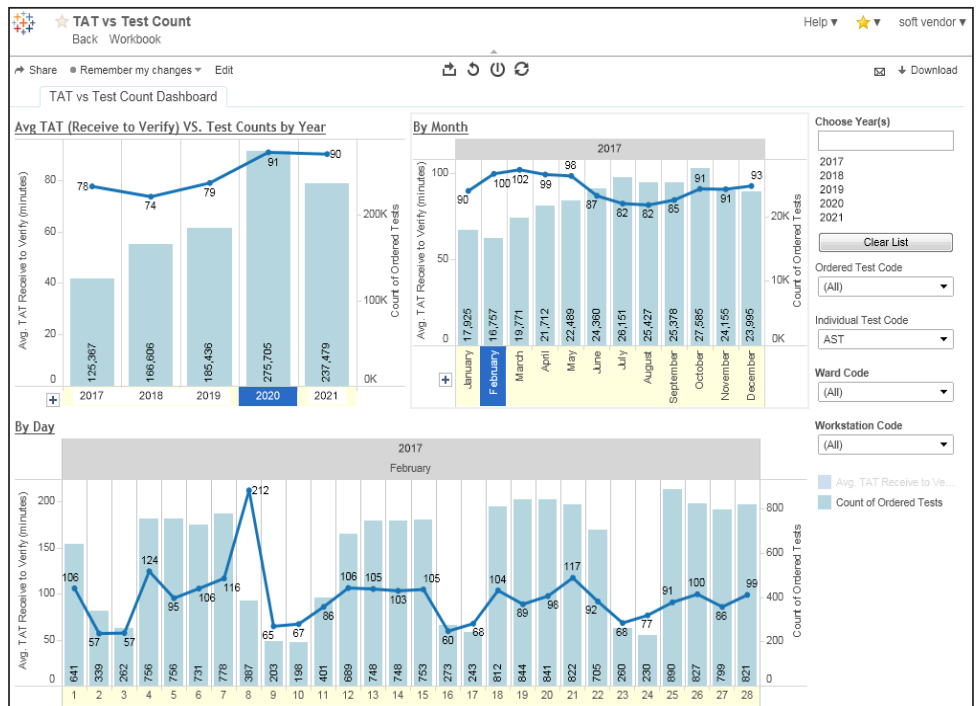
Called TAT Dashboard

Display statistics related to calling practitioners. See TAT above and below established SLA thresholds for all performing labs, by technician and overall by month. Prepared drill down reports allow various views of underlying data.
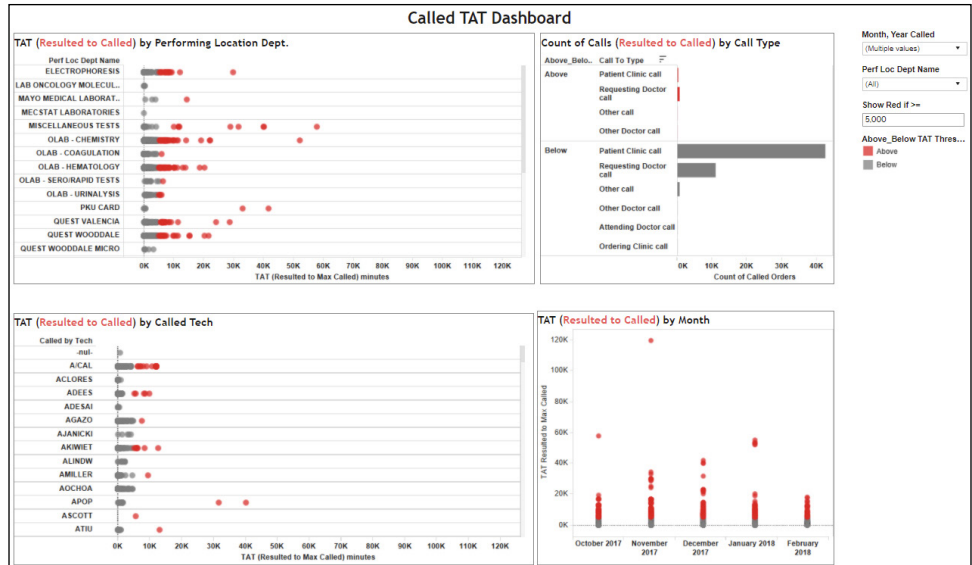
Productivity Dashboard

This dynamic template dashboard displays the number of orders, tests, or specimens grouped by selected parameter fields. The standard report allows users to select from showing totals by ten typical fields. This dashboard is easily converted to support any metric such as specimen received, blood products issued, and test counts.
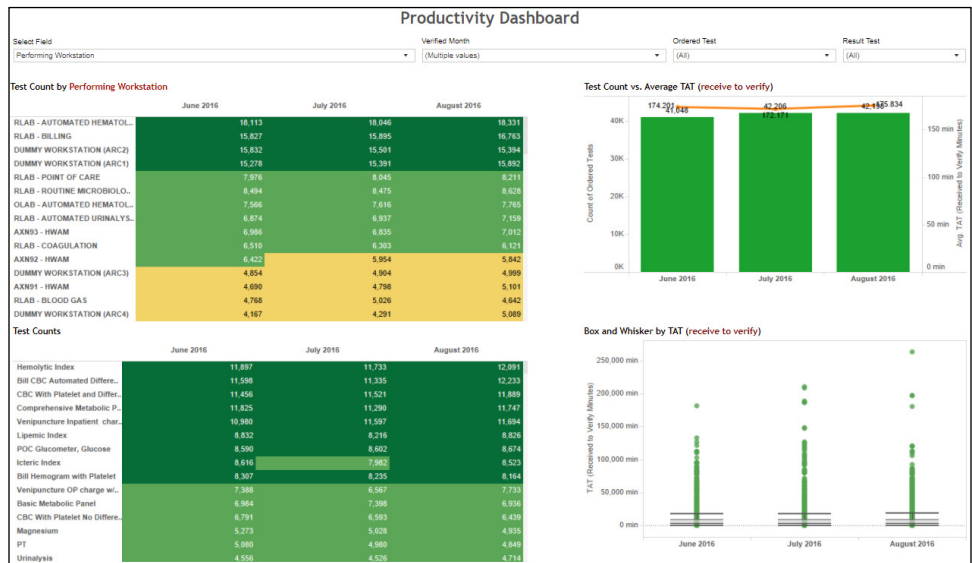
Total Orders Heatmap

View workload for receiving tech and workstation per day. This dashboard is also implemented with various metrics depending on end user specifications. As with all dashboards, this template may include any number of criteria filters in the normalized result datamart.

Daily Total Orders by Tech
select a tech on the left or a day column to see hourly totals below

Technician	03/01/19	03/02/19	03/03/19	03/04/19	03/05/19	03/06/19	03/07/19	03/08/19	03/09/19	03/10/19	03/11/19	03/12/19	03/13/19	03/14/19	03/15/19
JWROBEL	188	117	6	3	204	222	3	281	224	265	243	1	11	209	217
DRUTHERF	274	286	296	232	6	7	301	220	243	11	244	204	229	15	179
IMONTES	63	153	218	10	248	256	173	7	5	2			15	226	60
AYU	156	143	148	7	5	151	176	158	172	77	2		16	108	147
KPATEL	2									71	1		1	6	1
ADEES	71	141	81	1	5	206	111	11	72	7	30		6	128	99
KHOPKINS		243	88	2		137	7	245	21	8	33	42	81	70	7
WPATTERS	116	144	22	49	6	111	106	142	168	74	1	3	9	80	121
MRAMOVS	11	2	1			17	12	22		17	44		246	1	23
TCALLOWA	320	14	91		6	99	127	10	6	143	140	155	110	17	9

Daily Total Orders by Workstation

Workstation Code	3/1/2019	3/2/2019	3/3/2019	3/4/2019	3/5/2019	3/6/2019	3/7/2019	3/8/2019	3/9/2019	3/10/2019	3/11/2019	3/12/2019	3/13/2019	3/14/2019	3/15/2019
RCHMA	1,402	1,461	1,297	772	610	1,405	1,532	1,393	1,487	1,277	752	573	1,353	1,227	1,350
RHEMA	982	1,047	875	546	435	983	1,018	962	1,033	873	551	422	963	866	945
RCOAG	273	291	253	193	172	287	296	249	287	228	148	143	285	242	252
OCHEM	222	245	263	136	110	299	309	301	272	265	147	82	248	274	251
RABG	189	221	193	166	117	166	172	190	173	140	117	112	129	129	146
RUA	171	188	145	118	83	213	206	192	202	157	90	84	188	173	198
OHEM	130	154	175	77	79	205	191	188	164	169	90	67	157	169	165
RQWDL	103	104	88	81	17	33	61	99	86	102	59	39	32	70	88
RELEC	24	45	14	4	17		47	5	52	24			50	25	24
RCHMM	53	49	54	31	12	51	56	54	54	48	27	11	55	56	62

Max Verify Date Time
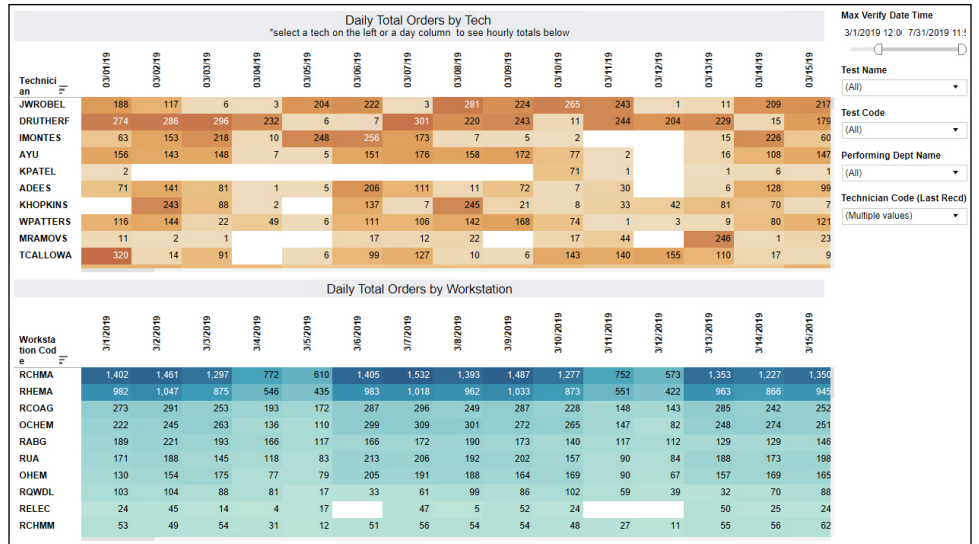3/1/2019 12:0 7/31/2019 11:5

Test Name
(All)

Test Code
(All)

Performing Dept Name
(All)

Technician Code (Last Recd)
(Multiple values)

Total Ordered Tests by Shift

This interactive dashboard enables users to see the volume of ordered tests processed according to the work shifts the results were verified. The upper dashboard report elements are linked to dynamically filter the lower report using the selected day or shift to show the hourly volume. Criteria filters are included to allow dashboards to become location specific or test specific.

Total Ordered Tests by Shifts
select a Day or a Shift to view the hourly totals below

Month of Max Verify Date Time	Weekday Shifts	Distinct count of Order Number
March 2019	Day 06:00 - 15:00	42,087
	Evening 15:00 - 23:59	23,654
	Night 00:00 - 06:00	12,651
April 2019	Day 06:00 - 15:00	41,605
	Evening 15:00 - 23:59	22,965
	Night 00:00 - 06:00	11,999
May 2019	Day 06:00 - 15:00	45,628
	Evening 15:00 - 23:59	25,165
	Night 00:00 - 06:00	12,662

Weekday Shifts
- Day 06:00 - 15:00
- Evening 15:00 - 23:59
- Night 00:00 - 06:00

Performing Dept Name
(Multiple values)

Weekday Shifts
- ☐ (All)
- ☑ Day 06:00 - 15:00
- ☑ Evening 15:00 - 23:59
- ☑ Night 00:00 - 06:00
- ☐ Weekend Day 07:00 - 1...
- ☐ Weekend Evening 15:00...
- ☐ Weekend Night 23:00 - ...

Weekday of Max Verify Dat...
(All)

Test Name
(All)

Test Code
(All)

Max Verify Date Time
3/1/2019 12:0 7/31/2019 11:5

System
- ☑ (All)
- ☑ LAB

Daily Total Orders by Hour
select a date here to filter the shift totals above

Hour of Max Verify Date Time	March 2019	April 2019	May 2019	June 2019	July 2019
0	2,008	1,476	1,557	1,285	1,493
1	1,817	1,671	1,763	1,453	1,674
2	1,453	1,504	1,798	1,247	1,607
3	1,059	988	1,070	870	1,089
4	3,000	2,746	3,027	2,601	3,059
5	5,579	5,643	5,609	4,833	5,434
6	7,366	7,932	8,944	6,833	7,217
7	6,626	6,746	6,892	5,781	6,642
8	5,227	5,430	5,681	4,840	5,696

Distinct count of Order Number