DATA ANALYSIS

Final Project

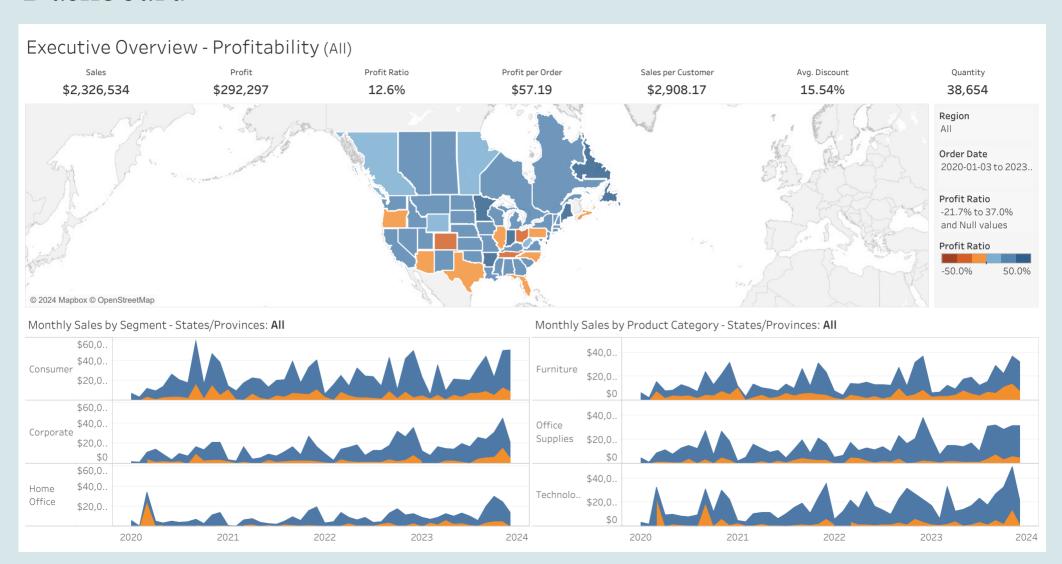
Stores data analysis

Tools used: Excel and Tableau

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Dashboard



Product Drilldown

Sales by Product Category

	-													Α
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
Furniture	20	\$6,308	\$1,840	\$15,817	\$7,945	\$8,505	\$13,206	\$10,821	\$7,320	\$23,816	\$13,136	\$21,763	\$31,648	
	20	\$11,805	\$3,134	\$13,743	\$10,476	\$9,419	\$7,714	\$13,674	\$9,639	\$26,273	\$12,027	\$30,881	\$23,546	
	20	\$7,688	\$3,926	\$14,116	\$13,291	\$15,160	\$13,231	\$13,116	\$12,483	\$27,327	\$11,889	\$31,784	\$36,970	
	20	\$6,029	\$6,866	\$12,369	\$9,323	\$17,483	\$19,009	\$12,476	\$15,442	\$29,097	\$22,246	\$37,057	\$31,917	
Office	20	\$4,858	\$1,072	\$8,606	\$11,155	\$7,872	\$13,027	\$15,121	\$12,388	\$27,487	\$7,298	\$26,862	\$18,267	Sa
Supplies	20	\$1,822	\$5,368	\$15,892	\$12,559	\$9,185	\$10,648	\$4,720	\$11,894	\$19,337	\$8,673	\$21,218	\$16,355	\$
	20	\$5,313	\$6,794	\$17,347	\$10,647	\$13,050	\$11,334	\$13,915	\$9,561	\$23,311	\$16,403	\$20,487	\$38,210	Ψ
	20	\$21,287	\$7,408	\$14,931	\$15,072	\$13,763	\$16,986	\$10,304	\$31,069	\$31,946	\$28,334	\$31,479	\$31,256	Pr
Technology	20	\$3,353	\$1,609	\$32,511	\$9,195	\$9,943	\$8,436	\$8,004	\$9,210	\$31,367	\$11,979	\$30,201	\$22,093	_ [
	20	\$4,835	\$3,449	\$10,344	\$11,161	\$11,643	\$6,435	\$10,371	\$15,525	\$19,017	\$10,707	\$23,874	\$35,632	
	20	\$5,830	\$12,259	\$21,568	\$14,891	\$28,833	\$16,372	\$13,269	\$9,672	\$22,883	\$31,540	\$27,141	\$22,323	
	20	\$16,943	\$6,027	\$33,429	\$12,383	\$13,910	\$17,061	\$23,210	\$17,619	\$27,022	\$32,895	\$49,919	\$22,002	

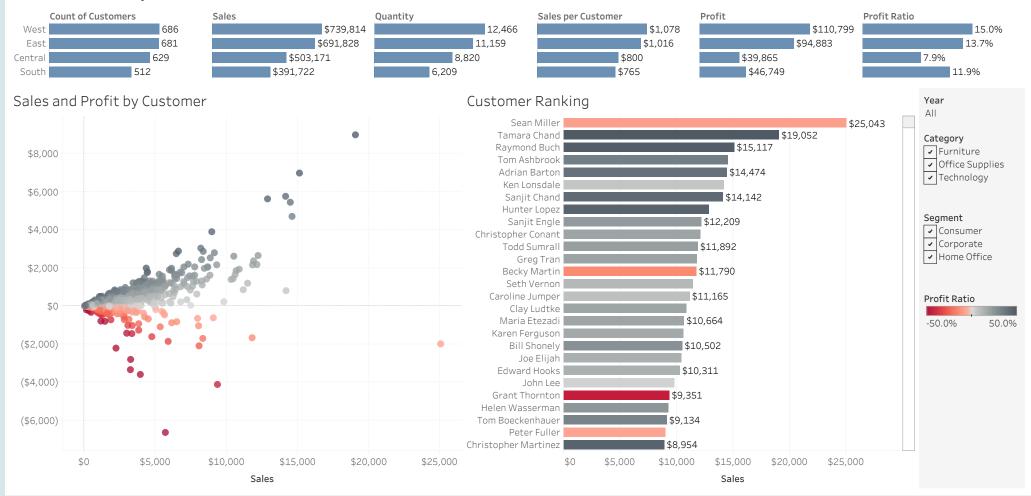
Region All 88 46 70 17 57 Sales 55 \$1,072 \$49,919 Profit Ratio 93 -50.0% 50.0%

Sales and Profit by Product Names

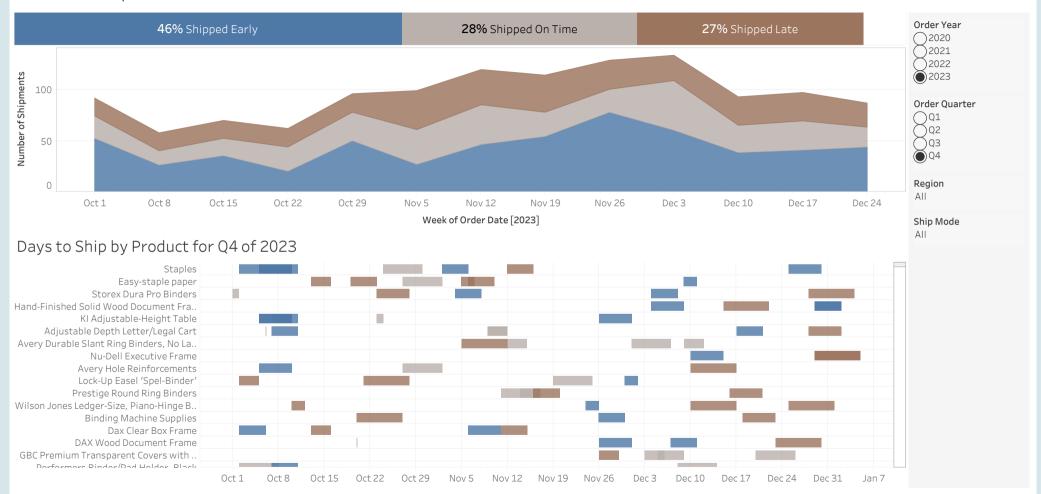
Year: All, Month: All, Product Category: All



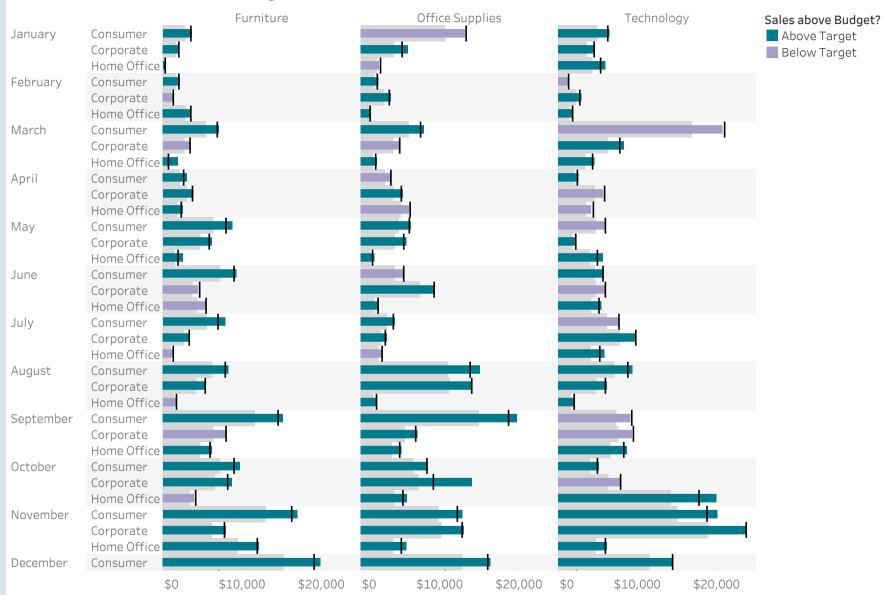
Customer Analysis



On-Time Shipment Trends



Sales Performance vs Target

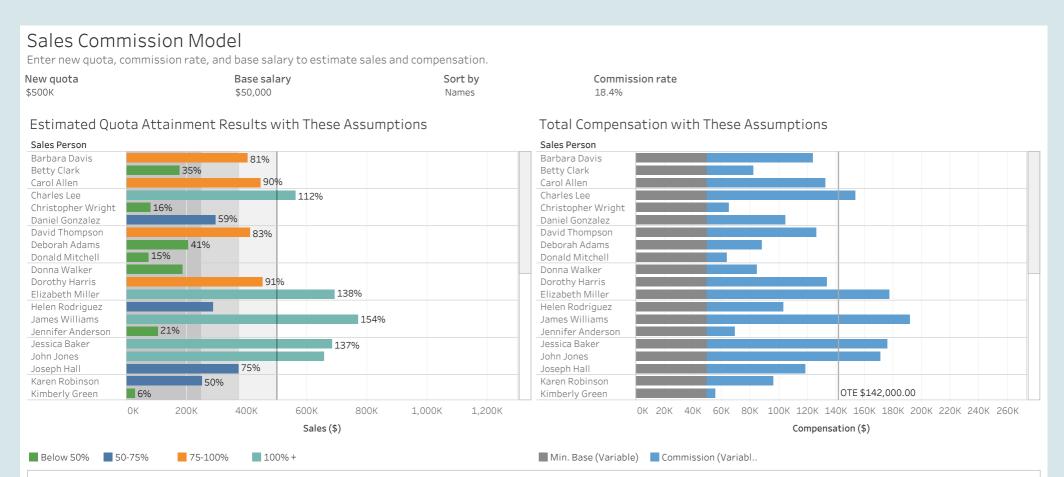


Sum of Sales for each Segment broken down by Category vs. Order Date Year and Order Date Month. Color shows details about Sales above Target?. The data is filtered on Region, which keeps Central, East, South and West. The view is filtered on Order Date Year, which keeps 2023.

Sales Performance vs Target



Sum of Sales for each Segment broken down by Category vs. Order Date Year and Order Date Month. Color shows details about Sales above Target?. The data is filtered on Region, which keeps Central, East, South and West. The view is filtered on Order Date Year, which keeps 2023.





Sales % of quota achieved

\$15.36M 75% OTE (Variable)
Avg. OTE (Variable)

\$5.82M \$142K

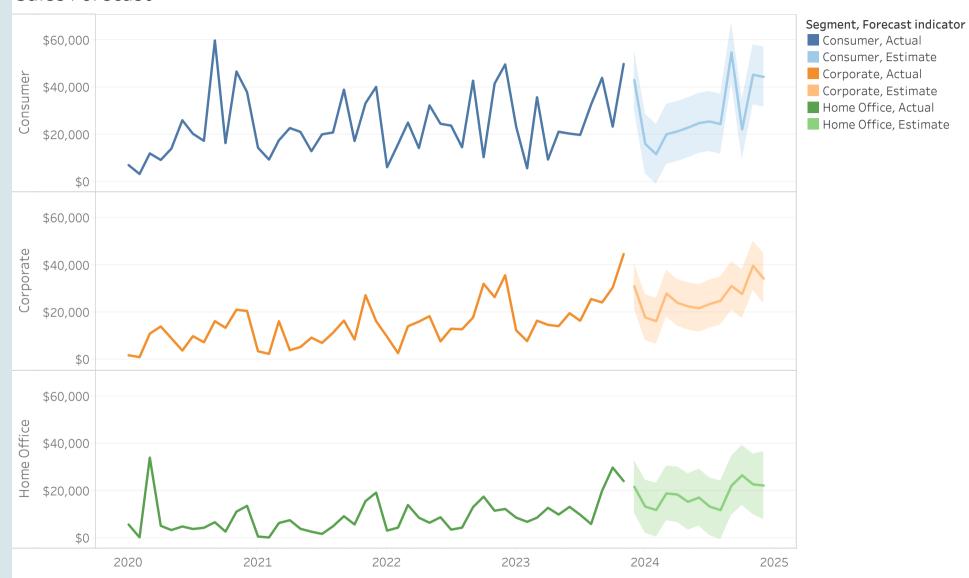
Order Details

Order DateRegionState/ProvinceCityCategorySegment2020-01-03 to 2023-12-30AllAllAllAllAllAll

Product Detail Sheet

Order ID	Customer Name	Order Date Ship Date Ship Mode	Sales	Quantity	Discount	Profit	Profit Ratio	Days to Ship Sche	Days to Ship Actual
CA-2020-100867	Eugene Hildebran	d 2020-10-19 2020-10-24 Standard Class	\$33	3	0%	\$9	26.0%	6	5
CA-2020-107153	George Zrebassa	2020-09-28 2020-10-03 Standard Class	\$11	2	20%	\$4	35.0%	6	5
CA-2020-115238	Jane Waco	2020-01-21 2020-01-24 Standard Class	\$281	22	0%	\$89	31.7%	30	15
CA-2020-115777	Doug O'Connell	2020-08-19 2020-08-24 Standard Class	\$388	1	0%	\$182	47.0%	6	5
CA-2020-117964	Michael Knudson	2020-12-02 2020-12-06 Standard Class	\$56	12	80%	(\$19)	-32.9%	12	8
CA-2020-119508	Tracy Zic	2020-12-04 2020-12-09 Standard Class	\$42	11	0%	\$15	36.4%	12	10
CA-2020-123625	Bruce Galang	2020-12-29 2021-01-02 Standard Class	\$258	17	0%	\$88	34.2%	24	16
CA-2020-123664	Neil Cohen	2020-12-02 2020-12-06 Standard Class	\$58	5	60%	(\$25)	-42.5%	6	4
CA-2020-125388	Michael Paige	2020-10-19 2020-10-23 Standard Class	\$174	7	20%	\$26	15.2%	12	8
CA-2020-126438	Alex Russell	2020-09-10 2020-09-13 First Class	\$15	2	0%	\$4	25.0%	1	3
CA-2020-126634	Alan Barnes	2020-12-20 2020-12-22 Second Class	\$94	5	0%	\$40	42.0%	3	2
CA-2020-129322	Denny Blanton	2020-08-08 2020-08-10 Second Class	\$601	11	0%	\$255	42.5%	9	6
CA-2020-131807	Greg Guthrie	2020-10-05 2020-10-10 Standard Class	\$753	22	60%	(\$14)	-1.9%	36	30
CA-2020-132339	Jennifer Braxton	2020-08-19 2020-08-23 Standard Class	\$19	3	0%	\$9	48.0%	6	4
CA-2020-139675	Nicole Fjeld	2020-03-13 2020-03-18 Second Class	\$1,243	12	20%	\$195	15.7%	6	10
CA-2020-141531	Bruce Galang	2020-12-29 2021-01-02 Standard Class	\$88	7	0%	\$30	34.2%	12	8
CA-2020-143500	Harry Olson	2020-12-30 2021-01-03 Standard Class	\$3	3	20%	(\$1)	-20.0%	6	4
CA-2020-146626	James Peterman	2020-12-29 2021-01-05 Standard Class	\$20	5	0%	\$10	49.0%	6	7
CA-2020-151799	Ben Ferrer	2020-12-14 2020-12-18 Standard Class	\$1,843	14	30%	\$432	23.5%	30	20
CA-2020-152443	Frank Gastineau	2020-05-21 2020-05-26 Standard Class	\$712	16	0%	\$297	41.7%	18	15
CA-2020-153623	James Peterman	2020-11-24 2020-12-05 Standard Class	\$198	16	0%	\$71	35.7%	12	22
CA-2020-153738	Alejandro Grove	2020-09-20 2020-09-22 First Class	\$38	6	0%	\$17	45.0%	1	2
CA-2020-160325	Bart Pistole	2020-09-24 2020-09-24 Same Day	\$830	5	0%	\$241	29.1%	0	0
CA-2020-166086	Carol Triggs	2020-05-07 2020-05-12 Standard Class	\$1,091	12	30%	\$216	19.8%	24	20
CA-2020-166695	Chuck Clark	2020-05-20 2020-05-24 Standard Class	\$868	10	40%	(\$55)	-6.4%	18	12
CA-2020-184712	Neil Cohen	2020-06-18 2020-06-20 Second Class	\$74	3	20%	\$23	31.3%	3	2
CA-2021-112224	Neil Cohen	2021-12-02 2021-12-06 Standard Class	\$58	5	60%	(\$25)	-42.5%	6	4
CA-2021-115238	Jane Waco	2021-01-21 2021-01-24 Standard Class	\$281	22	0%	\$89	31.7%	30	15
CA-2021-119508	Tracy Zic	2021-12-04 2021-12-09 Standard Class	\$402	6	10%	\$79	19.6%	12	10
CA-2021-129322	Denny Blanton	2021-08-08 2021-08-10 Second Class	\$159	5	60%	\$16	10.0%	9	6
CA-2021-132548	Carol Triggs	2021-05-07 2021-05-12 Standard Class	\$115	20	60%	\$9	8.0%	24	20
-CA 2021 12067E	Micola Field	2021 02 12 2021 02 10 Conned Class	#4 040	10	200/	#40F	4 - 70/	_	10

Sales Forecast



The trend of sum of Sales (actual & forecast) for Order Date Month broken down by Segment. Color shows details about Segment and Forecast indicator. The data is filtered on Region and Order Date. The Region filter keeps Central, East, South and West. The Order Date filter ranges from 2020-01-03 to 2023-12-30.

What if Forecast Based on All Sales (60% Growth, 6.40% Churn)

				Q1			Q2				
Region	Segment		January	February	March	Total	April	May	June	Total	
Central	Consumer	Sales	\$16,479	\$4,078	\$24,791	\$45,347	\$13,723	\$16,225	\$11,085	\$41,033	
		Sales Forecast	\$24,679	\$6,107	\$37,126	\$67,912	\$20,552	\$24,299	\$16,600	\$61,451	
	Corporate	Sales	\$13,060	\$1,712	\$9,109	\$23,880	\$5,885	\$15,102	\$8,527	\$29,514	
		Sales Forecast	\$19,558	\$2,563	\$13,641	\$35,762	\$8,813	\$22,616	\$12,770	\$44,200	
	Home	Sales	\$2,145	\$2,422	\$7,317	\$11,884	\$6,592	\$4,678	\$13,268	\$24,538	
	Office	Sales Forecast	\$3,212	\$3,627	\$10,958	\$17,797	\$9,872	\$7,006	\$19,870	\$36,748	
	Total	Sales	\$31,683	\$8,211	\$41,216	\$81,111	\$26,200	\$36,005	\$32,879	\$95,084	
		Sales Forecast	\$47,449	\$12,297	\$61,725	\$121,472	\$39,237	\$53,921	\$49,240	\$142,399	
East	Consumer	Sales	\$7,151	\$8,932	\$20,448	\$36,532	\$12,618	\$34,207	\$28,256	\$75,082	
		Sales Forecast	\$10,710	\$13,376	\$30,624	\$54,710	\$18,897	\$51,229	\$42,316	\$112,442	
	Corporate	Sales	\$7,383	\$4,184	\$12,777	\$24,345	\$15,146	\$7,431	\$11,289	\$33,866	
		Sales Forecast	\$11,056	\$6,267	\$19,135	\$36,459	\$22,683	\$11,128	\$16,906	\$50,717	
	Home	Sales	\$1,961	\$1,665	\$3,889	\$7,515	\$11,140	\$3,801	\$6,297	\$21,239	
	Office	Sales Forecast	\$2,937	\$2,493	\$5,824	\$11,255	\$16,683	\$5,693	\$9,431	\$31,807	
	Total	Sales	\$16,495	\$14,781	\$37,115	\$68,391	\$38,905	\$45,439	\$45,842	\$130,186	
		Sales Forecast	\$24,703	\$22,136	\$55,583	\$102,423	\$58,263	\$68,050	\$68,653	\$194,967	
South	Consumer	Sales	\$12,089	\$15,050	\$14,914	\$42,054	\$11,286	\$14,668	\$13,167	\$39,122	
		Sales Forecast	\$18,105	\$22,539	\$22,336	\$62,979	\$16,902	\$21,967	\$19,719	\$58,589	
	Corporate	Sales	\$3,950	\$2,257	\$10,558	\$16,765	\$13,796	\$11,695	\$11,205	\$36,695	
		Sales Forecast	\$5,916	\$3,380	\$15,811	\$25,107	\$20,660	\$17,515	\$16,780	\$54,955	
	Home	Sales	\$7,147	\$3,675	\$28,643	\$39,464	\$5,235	\$4,304	\$1,130	\$10,669	
	Office	Sales Forecast	\$10,703	\$5,503	\$42,896	\$59,102	\$7,839	\$6,445	\$1,693	\$15,977	
	Total	Sales	\$23,186	\$20,981	\$54,115	\$98,283	\$30,316	\$30,667	\$25,502	\$86,486	
		Sales Forecast	\$34,723	\$31,422	\$81,043	\$147,188	\$45,402	\$45,927	\$38,192	\$129,521	
West	Consumer	Sales	\$14,722	\$5,766	\$29,707	\$50,195	\$17,554	\$23,094	\$30,943	\$71,591	
		Sales Forecast	\$22,048	\$8,635	\$44,489	\$75,172	\$26,289	\$34,585	\$46,341	\$107,215	
	Corporate	Sales	\$3,543	\$6,422	\$25,796	\$35,761	\$14,406	\$13,081	\$9,876	\$37,363	
		Sales Forecast	\$5,305	\$9,618	\$38,633	\$53,556	\$21,575	\$19,590	\$14,790	\$55,955	
	Home	Sales	\$6,440	\$3,589	\$22,722	\$32,752	\$10,717	\$10,479	\$8,417	\$29,613	
	Office	Sales Forecast	\$9,645	\$5,375	\$34,029	\$49,049	\$16,050	\$15,693	\$12,605	\$44,348	
	Total	Sales	\$24,705	\$15,777	\$78,226	\$118,708	\$42,678	\$46,653	\$49,236	\$138,568	
		Sales Forecast	\$36,998	\$23,628	\$117,151	\$177,777	\$63,914	\$69,868	\$73,736	\$207,519	
Grand Total		Sales	\$96,070	\$59,751	\$210,672	\$366,493	\$138,099	\$158,765	\$153,460	\$450,324	
		Sales Forecast	\$143,874	\$89,483	\$315,503	\$548,860	\$206,817	\$237,767	\$229,822	\$674,405	

Change the Growth Rate and Churn Rate to better understand their impact on sales forecasts

Measure Names

■ Sales

Sales Forecast

What if Forecast Based on All Sales (60% Growth, 6.40% Churn)

				Q3	3		Q4				
Region	Segment		July	August	September	Total	October	November	December	Total	
Central	Consumer	Sales	\$20,955	\$11,276	\$45,241	\$77,471	\$20,233	\$30,327	\$39,551	\$90,111	
		Sales Forecast	\$31,382	\$16,887	\$67,752	\$116,021	\$30,301	\$45,417	\$59,232	\$134,950	
	Corporate	Sales	\$7,908	\$8,888	\$16,887	\$33,683	\$25,312	\$22,490	\$23,117	\$70,920	
		Sales Forecast	\$11,844	\$13,310	\$25,290	\$50,444	\$37,908	\$33,681	\$34,620	\$106,209	
	Home	Sales	\$5,014	\$5,395	\$14,706	\$25,115	\$8,543	\$12,209	\$8,924	\$29,675	
	Office	Sales Forecast	\$7,509	\$8,080	\$22,024	\$37,613	\$12,794	\$18,284	\$13,364	\$44,442	
	Total	Sales	\$33,877	\$25,559	\$76,833	\$136,270	\$54,088	\$65,026	\$71,592	\$190,706	
		Sales Forecast	\$50,734	\$38,277	\$115,066	\$204,078	\$81,002	\$97,383	\$107,216	\$285,601	
East	Consumer	Sales	\$21,822	\$25,224	\$61,922	\$108,967	\$16,685	\$67,002	\$52,874	\$136,561	
		Sales Forecast	\$32,681	\$37,775	\$92,734	\$163,190	\$24,987	\$100,343	\$79,184	\$204,514	
	Corporate	Sales	\$10,622	\$16,694	\$27,848	\$55,165	\$20,799	\$42,436	\$26,966	\$90,202	
		Sales Forecast	\$15,908	\$25,001	\$41,706	\$82,614	\$31,149	\$63,552	\$40,385	\$135,086	
	Home	Sales	\$3,842	\$4,930	\$18,744	\$27,516	\$25,349	\$28,058	\$21,433	\$74,840	
	Office	Sales Forecast	\$5,754	\$7,383	\$28,071	\$41,208	\$37,962	\$42,019	\$32,098	\$112,080	
	Total	Sales	\$36,287	\$46,847	\$108,514	\$191,648	\$62,833	\$137,496	\$101,273	\$301,603	
		Sales Forecast	\$54,343	\$70,159	\$162,510	\$287,012	\$94,099	\$205,914	\$151,667	\$451,680	
South	Consumer	Sales	\$9,415	\$18,643	\$31,997	\$60,055	\$9,293	\$19,543	\$25,515	\$54,351	
		Sales Forecast	\$14,100	\$27,919	\$47,919	\$89,938	\$13,917	\$29,267	\$38,212	\$81,396	
	Corporate	Sales	\$3,898	\$5,940	\$7,030	\$16,868	\$7,902	\$34,599	\$9,057	\$51,558	
		Sales Forecast	\$5,838	\$8,896	\$10,528	\$25,262	\$11,835	\$51,815	\$13,563	\$77,213	
	Home	Sales	\$578	\$1,480	\$4,050	\$6,108	\$7,007	\$5,397	\$5,611	\$18,014	
	Office	Sales Forecast	\$865	\$2,216	\$6,065	\$9,147	\$10,493	\$8,083	\$8,403	\$26,978	
	Total	Sales	\$13,891	\$26,063	\$43,077	\$83,031	\$24,202	\$59,539	\$40,183	\$123,923	
		Sales Forecast	\$20,803	\$39,032	\$64,512	\$124,347	\$36,244	\$89,165	\$60,178	\$185,587	
West	Consumer Sales		\$31,341	\$29,916	\$46,034	\$107,292	\$20,670	\$54,087	\$60,140	\$134,896	
		Sales Forecast	\$46,937	\$44,803	\$68,941	\$160,680	\$30,955	\$81,001	\$90,065	\$202,021	
	Corporate	Sales	\$24,491	\$26,046	\$23,351	\$73,888	\$30,853	\$20,111	\$34,371	\$85,335	
		Sales Forecast	\$36,677	\$39,007	\$34,971	\$110,655	\$46,205	\$30,118	\$51,474	\$127,798	
	Home	Sales	\$9,115	\$7,390	\$11,074	\$27,579	\$14,481	\$16,407	\$22,659	\$53,548	
	Office	Sales Forecast	\$13,650	\$11,067	\$16,585	\$41,302	\$21,687	\$24,572	\$33,935	\$80,193	
	Total	Sales	\$64,947	\$63,352	\$80,460	\$208,759	\$66,003	\$90,605	\$117,170	\$273,779	
		Sales Forecast	\$97,264	\$94,876	\$120,497	\$312,637	\$98,847	\$135,691	\$175,474	\$410,011	
Grand To	tal	Sales	\$149,002	\$161,822	\$308,884	\$619,707	\$207,126	\$352,666	\$330,218	\$890,010	
		Sales Forecast	\$223,145	\$242,344	\$462,584	\$928,074	\$310,192	\$528,153	\$494,535	\$1,332,880	

Change the Growth Rate and Churn Rate to better understand their impact on sales forecasts

Measure Names

■ Sales

Sales Forecast

What if Forecast Based on All Sales (60% Growth, 6.40% Churn)

Region	Segment		Grand Total			
Central	Consumer	Sales	\$253,962			
		Sales Forecast	\$380,334			
	Corporate	Sales	\$157,996			
		Sales Forecast	\$236,615			
	Home	Sales	\$91,213			
	Office	Sales Forecast	\$136,600			
	Total	Sales	\$503,171			
		Sales Forecast	\$753,548			
East	Consumer	Sales	\$357,142			
		Sales Forecast	\$534,856			
	Corporate	Sales	\$203,577			
		Sales Forecast	\$304,876			
	Home	Sales	\$131,110			
	Office	Sales Forecast	\$196,350			
	Total	Sales	\$691,828			
		Sales Forecast	\$1,036,082			
South	Consumer	Sales	\$195,581			
		Sales Forecast	\$292,902			
	Corporate	Sales	\$121,886			
		Sales Forecast	\$182,536			
	Home	Sales	\$74,255			
	Office	Sales Forecast	\$111,204			
	Total	Sales	\$391,722			
		Sales Forecast	\$586,643			
West	Consumer	Sales	\$363,975			
		Sales Forecast	\$545,089			
	Corporate	Sales	\$232,348			
		Sales Forecast	\$347,964			
	Home	Sales	\$143,491			
	Office	Sales Forecast	\$214,892			
	Total	Sales	\$739,814			
		Sales Forecast	\$1,107,945			
Grand Tota	al	Sales	\$2,326,534			
		Sales Forecast	\$3,484,218			

Change the Growth Rate and Churn Rate to better understand their impact on sales forecasts

Measure Names



