

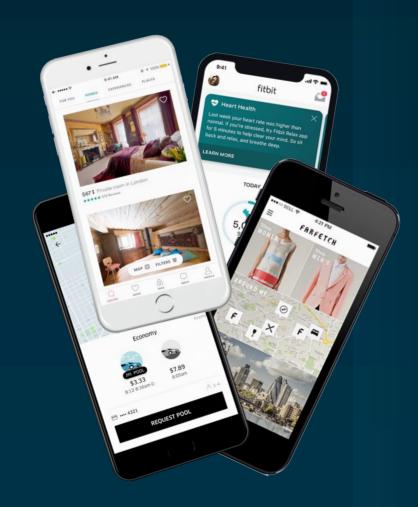
B2C Cohort Analysis – Why So Critical?

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Ventures



Key Points to think About in the Analysis

- Compare to gross profit
- What happens to users that churned and came back?
 - Leave at original cohort -> Higher LTV
 - Move to new cohort -> Lower CAC
 - If came back through CAC -> Must be in new cohort
- % is good as it relates to users
- \$ is important in cases where it is not subscription (Commerce, UBP)
- Tables not graphs





E-Commerce Example (1)

	New Customers	Total Orders	Orders/ Customer	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Jan	1,808	2,670	1.48	\$147,656	\$7,924	\$3,365	\$3,035	\$3,672	\$3,927	\$3,012	\$1,864	\$1,191	\$257	\$465	\$603
Feb	3,141	4,418	1.41		\$253,821	\$9,615	\$4,720	\$7,191	\$4,937	\$4,231	\$1,816	\$1,338	\$428	\$342	\$548
Mar	3,037	4,451	1.47			\$241,168	\$9,195	\$8,149	\$6,687	\$4,949	\$2,684	\$2,137	\$1,042	\$849	\$498
Apr	3,136	4,914	1.57				\$216,164	\$19,932	\$9,020	\$8,928	\$3,155	\$1,720	\$551	\$281	\$796
May	10,692	14,935	1.40					\$710,099	\$36,546	\$24,427	\$10,519	\$4,689	\$2,429	\$1,622	\$1,285
Jun	8,432	11,438	1.36						\$627,259	\$40,639	\$11,588	\$6,413	\$1,713	\$1,229	\$1,463
Jul	9,264	12,541	1.35							\$661,405	\$28,142	\$9,222	\$4,115	\$2,011	\$2,011
Aug	4,099	5,497	1.34								\$298,807	\$14,038	\$3,219	\$1,341	\$1,010
Sep	1,940	2,528	1.30									\$145,665	\$5,513	\$1,357	\$1,363
Oct	966	1,289	1.33										\$74,229	\$2,551	\$1,095
Nov	622	811	1.30											\$46,669	\$1,954
Dec	606	837	1.38												\$43,330

E-Commerce Example (2)

			2019 Revenue								2020 Revenue									2021 Revenue						Total Ravenue	Blended CPA	Marketing Spend+ PR	cogs	Marketing Spend + COGS	ROI					
		New Customers	Total Orders	Orders/ Customer	JUN	JUL	AUG	SEP	ост	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL						
	JUN	159	385	2.4	\$8,661	\$179	\$ 146	\$ 560	\$1,041	\$ 321	\$ 486	\$1,326	\$ 475	\$455	\$ 332	\$ 377	\$ 428	\$ 301	\$ 336	\$ 585	\$ 443	\$ 618	\$ 62	\$ 554	\$71	\$ 537	\$ ero	\$ 326	\$ 469	\$-	\$ 19,538	\$10	\$ 1,555	\$ 4,565	\$ 6,417	966%
	JUL	275	716	2.6		\$ 8,667	\$3,041	\$ 2,295	\$ a21	\$ 920	\$1,098	\$ 793	\$ 788	\$1,135	\$721	\$ 865	\$ 540	\$ 245	\$60	\$464	\$247	\$ 651	\$663	\$ 360	\$ 434	\$904	\$ 358	\$ 702	\$ 448	\$-	\$ 27,764	\$ 27	\$7,445	\$ 6,941	\$ 14,386	280%
	AUG	852	1656	1.9			\$ 11,806	\$ 8,758	\$2,963	\$ 1,792	\$ 1,510	\$ 1,836	\$ 1,007	\$ 1,478	\$ 2,007	\$ 1,552	\$ 967	\$ 1,583	\$ 599	\$ 842	\$ 788	\$ 878	\$ 481	\$ 985	\$ 580	\$479	\$ 1,126	\$772	\$ 647	\$ 212	\$ 45,625	\$ 46	\$ 38,904	\$ TI,406	\$ 50,310	88%
2019	SEP	681	1242	18				\$ 11,921	\$2,866	\$ 4,400	\$ 990	\$1,916	\$ 826	\$1,067	\$1,144	\$ 1,589	\$753	\$1,056	\$765	\$ 958	\$751	\$760	\$713	\$ 976	\$406	\$ 357	\$ 212	\$ 521	\$ 259	\$ 215	\$ 35,398	\$66	\$ 45,0'9	\$8,849	\$ 54,029	59%
	ост	320	696	2.2					\$ 11,476	\$2,610	\$ 964	\$1,539	\$ 918	\$ 1,665	\$1,600	\$ 652	\$ 846	\$ 556	\$ 40'	\$ 799	\$ 722	\$ 959	\$ 143	\$ 669	\$ 525	\$706	\$105	\$ 506	\$ 306	\$ 162	\$ 28,388	\$ 64	\$20,653	\$7,097	\$ 27,750	103%
	NOV	520	1223	2.4						\$ 21,087	\$6,028	\$ 2,906	\$ 2,451	\$ 2,626	\$ 2,721	\$ 1,927	\$ 1,479	\$ 1,767	\$1,279	\$1,506	\$1,426	\$ 1,569	\$ 1,122	\$ 371	\$1,202	\$ 456	\$ 1,516	\$ 958	\$1,082	\$ 209	\$ 55,546	\$ 42	\$ 21,976	\$ 13,887	\$ 35,862	190%
	DEC	475	1174	2.5							\$19,598	\$ 6,869	\$ 2,694	\$ 3,859	\$ 2,476	\$2,779	\$ 1,655	\$1,955	\$1,654	\$1,996	\$ 739	\$1,751	\$1,416	\$ 889	\$205	\$ 1,278	\$ 543	\$ 947	\$ 559	\$ 368	\$ 54,354	\$ 46	\$ 21,885	\$15,588	\$ 35,474	186%
	JAN	508	1220	2.4								\$ 19,566	\$7,525	\$ 3,258	\$4,818	\$2,494	\$2,067	\$ 1,228	\$1,421	\$1,686	\$ 1,521	\$ 1,472	\$ 908	\$721	\$ 933	\$ 655	\$ 661	\$1,052	\$ 468	\$ 123	\$ 52,549	\$ 45	\$ 22,896	\$ 15,157	\$ 36,033	72%
	FEB	452	1199	2.7									\$ 16,802	\$7,666	\$ 3,841	\$ 3,050	\$ 3,228	\$ 2,469	\$ 2,046	\$ 2,201	\$1,901	\$ 2,748	\$1779	\$ 1,326	\$ 1,241	\$ 892	\$ 788	\$1,211	\$2,009	\$ 755	\$ 65,344	\$ 32	\$ 14,675	\$15,836	\$ 28,509	285%
	MAR	705	1500	2.1										\$ 36,963	*	•	\$ 2,643	\$3,036	\$ 2,399	\$ 1,519	\$1,909	\$ 2,750	\$1,016	\$ 1,574	\$2,098	\$ 721	\$ 540	\$1,457	\$ 674	\$ 108	\$68,873	\$ 24	\$ 16,740	\$ 17,216	\$ 33,968	309%
	APR	750	2231	3.0											\$ 40,095	•		\$ 4,547					\$ 2,162	****	\$1,043	\$ 2,915		\$ 2,272	\$1,968	\$ 491	\$ 89,637	\$ 21	\$ 15,602	\$22,424	\$ 38,037	431%
	MAY	1935	4084	2.1												\$ 89,396	\$ 16,391				\$ 4,102		\$ 3,831				\$2,710				\$151,263	\$14	\$ 26,952	\$ 37,816	\$ 64768	421%
2020	JUN	782 1095	2097	2.7													\$ 39,479	\$ 52,816		\$ 4,194			\$ 2,665	\$2,653	\$1,545	\$1,515	\$2,040	\$ 2,275			\$76,078 \$89,975	\$ 32	\$ 25,008 \$ 17,582	\$ 19,020	\$ 44,027 \$ 39,875	228% 388%
	AUG	783	1912	2.4														\$ 52,016	\$ 57,697		\$ 4,002		\$ 3,681	\$ 3,336	\$ 2,339	\$ 2,396		\$ 2,007	\$1,164	\$ 569	\$69,376	\$25	\$ 19,544	\$ 7.344	\$ 36,888	266%
	SEP	541	1416	2.6																	\$4,619				\$2,410				\$1840	\$ 767	\$65,002	\$47	\$ 25,384	\$15,250	\$ 38,434	168%
	ост	530	1139	2.1																		\$ 4,544				\$ 1,615		\$1,458	\$ 961	\$ 623	\$46,266	\$44	\$ 23,488	\$ 11,567	\$35,054	148%
	NOV	600	1707	2.8																		\$ 36,256		\$4,578	\$ 1,730	\$ 3,460		\$ 3,399	\$ 1,617	\$498	\$ 57,534	\$ 52	\$ 31,425	\$ 14,384	\$ 45,806	157%
	DEC	603	1142	1.9																			\$ 39,026	\$ 4,169	\$ 2,258	\$4,526	\$ 1,759	\$ 2,157	\$1,965	\$ 882	\$ 56,742	\$ 52	\$ 31,620	\$ 14,106	\$ 45,806	155%
	JAN	455	994	2.2																				\$ 25.X74	\$4,640	\$2,026	\$ 2,077	\$1,965	\$ 2,022	\$ 461	\$ 38,575	\$ 62	\$ 27,990	\$ 9,644	\$ 37,633	103%
	FEB	396	959	2.4																				********	\$ 22,399			\$ 1,890		•	\$ 33,110	\$ 54	\$ 33,452	\$ 8,277	\$ 41,709	74%
0001	MAR	380	988	2.6																						\$22,784		\$ 3,385	\$1,447	\$420	\$ 32,662	\$80	\$ 30,499	\$ 8,165	\$ 38,664	80%
2021	APR	374	855	2.3																							\$24,048				\$30,499	\$70	\$ 26,282	\$7,625	\$ 35,907	87%
	MAY	334	693	2.1																								\$ 21,014	\$ 2,687	\$ 288	\$ 25,989	\$79	\$ 26,347	\$ 5,997	\$ 32,344	68%



Comments

- Note 2nd example includes the ratio of net revenue / CAC (Marketing + PR) + COGS
- Note the high ROI and constant contribution from cohorts -> Ability to spend more



App Subscription Example

	New Paid Customers	New Paid Average S ustomers Price		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Jan	800	\$	5.00	\$ 4,000	\$ 3,400	\$ 3,060	\$ 2,142	\$ 1,714	\$ 857	\$ 771	\$ 694	\$ 555	\$ 389	\$ 369	\$ 332	
Feb	900	\$	5.50		\$ 4,950	\$ 4,455	\$ 3,119	\$ 2,495	\$ 1,247	\$ 1,123	\$ 1,010	\$ 808	\$ 566	\$ 538	\$ 484	
Mar	1,000	\$	5.40			\$ 5,400	\$ 3,780	\$ 3,024	\$ 1,512	\$ 1,361	\$ 1,225	\$ 980	\$ 686	\$ 652	\$ 586	
Apr	1,000	\$	6.00				\$ 6,000	\$ 4,800	\$ 2,400	\$ 2,160	\$ 1,944	\$ 1,555	\$ 1,089	\$ 1,034	\$ 931	
May	1,200	\$	6.20					\$ 7,440	\$ 3,720	\$ 3,348	\$ 3,013	\$ 2,411	\$ 1,687	\$ 1,603	\$ 1,443	
Jun	1,000	\$	5.80						\$ 5,800	\$ 5,220	\$ 4,698	\$ 3,758	\$ 2,631	\$ 2,499	\$ 2,249	
Jul	800	\$	5.70							\$ 4,560	\$ 4,104	\$ 3,283	\$ 2,298	\$ 2,183	\$ 1,965	
Aug	800	\$	6.30								\$ 5,040	\$ 4,032	\$ 2,822	\$ 2,681	\$ 2,413	
Sep	1,000	\$	6.40									\$ 6,400	\$ 4,480	\$ 4,256	\$ 3,830	
Oct	1100	\$	6.10										\$ 6,710	\$ 6,375	\$ 5,737	
Nov	1200	\$	6.00											\$ 7,200	\$ 6,480	
Dec	1500	\$	6.20												\$ 9,300	



Comments

- Average subscription changes based on blend of monthly/quarterly/yearly
- Usually, every month there is a drop. I took random churn numbers in this example
- Do note that I did not show the "Free" users vs. "paid" users.
 They should be presented as well.
- Late conversions should be allocated to their original cohort.



SMB Example

	New Customers	lan-21	Feb-21	Mar-21	Apr-21	Mav-21	lun-21	lul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	lan-22	Total	Marketing Spend	CAC	ROI
Jan-21	8	\$718	\$634	\$645	\$763	\$1,001	\$1,085	\$792	\$765	\$771	\$792	\$709	\$706	\$584	\$9,965	\$13,727	\$1,716	72.59%
Feb-21	25		\$1,688	\$1,389	\$1,226	\$1,675	\$1,905	\$1,697	\$1,693	\$1,845	\$1,765	\$1,723	\$1,842	\$1,785	\$20,233	\$24,319	\$973	83.20%
Mar-21	26			\$4,273	\$2,844	\$1,528	\$2,415	\$1,388	\$1,258	\$2,092	\$1,904	\$1,297	\$1,290	\$1,339	\$21,628	\$38,920	\$1,497	55.57%
Apr-21	20				\$2,192	\$1,735	\$2,023	\$1,767	\$1,503	\$1,370	\$1,985	\$1,649	\$1,635	\$1,552	\$17,411	\$33,419	\$1,671	52.10%
May-21	15					\$3,126	\$2,178	\$1,988	\$2,400	\$2,405	\$2,413	\$1,766	\$1,759	\$1,545	\$19,580	\$29,120	\$1,941	67.24%
Jun-21	17						\$2,337	\$1,688	\$1,632	\$1,867	\$1,821	\$1,423	\$1,183	\$1,062	\$13,013	\$9,942	\$585	130.89%
Jul-21	24							\$3,514	\$3,053	\$2,660	\$2,962	\$3,030	\$2,891	\$2,909	\$21,019	\$15,081	\$628	139.37%
Aug-21	17								\$2,114	\$2,074	\$2,583	\$2,417	\$2,205	\$2,222	\$13,615	\$14,739	\$867	92.37%
Sep-21	15									\$1,867	\$1,795	\$1,669	\$1,697	\$1,717	\$8,745	\$15,715	\$1,048	55.65%
Oct-21	8										\$2,503	\$1,512	\$1,334	\$1,260	\$6,609	\$17,521	\$2,190	37.72%
Nov-21	10											\$1,883	\$1,107	\$1,809	\$4,799	\$19,662	\$1,966	24.41%
Dec-21	11												\$2,361	\$2,103	\$4,464	\$24,040	\$2,185	18.57%
Grand Total		\$718	\$2,322	\$6,307	\$7,025	\$9,065	\$11,943	\$12,834	\$14,418	\$16,951	\$20,523	\$19,078	\$20,010	\$19,887	\$161,081		\$1,439	



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