

30000 - 20000 -	entile: 75.0		t_churn_level()	
The above guse anomoly distribution over 75 days	y detection to detern corresponds to 75 d s are churned (on en	40 in between the invoice in between the invoice in between than usual ays. We can determine gagement).	es sent across all comp time between invoices. e that companies who have	The 99th percentile of
churned_c	customers = time_customers  company_id invoi  2945 2007-12  2945 2013-08  2945 2015-03  2945 2015-08	between_invoices_ between_invoices_ ce_created_at_date da -10 00:00:00+00:00 -28 01:00:55+00:00 -21 15:56:09+00:00 -10 02:34:34+00:00 -13 14:35:02+00:0004 22:41:04+00:00	df[time_between_inv	roices_df['days_bet
5209891 5210160 5211425 5212219 13111 rows × #plot the #plot a df = chu:	1375418 2022-06 1377133 2022-06 1384731 2022-07 1390925 2022-07 3 columns  eir churn rate of time series of timed_customers.ga	6-0117:13:19+00:00 -1512:42:42+00:00 7-2115:07:56+00:00 7-1814:04:18+00:00  Ver time  The number of comparatoupby (pd. Grouper (	111.0 119.0 78.0 113.0  nies that converted key='invoice_create	d to yearly vs mont
fig = px # fig.she iplot(fig	.line(df, x='chur ow()	ate','number_of_co	mpanies'] ber_of_companies",	title='Time series
have not ser	nt an invoice in 75 da o periods of time tha	ys. One thing to note	urn over time, or in other is that customers can be ent an invoice for 75 day	e double counted here,
engagement may still be i	t churn. Of course, the using the platform to gest reminders to cu	nis is a simplistic unde log hours even if the	oh, it appears that the ra rstanding of churn, and are not sending invoice not been "active" for a lo	it's possible that custo es. Keeping that in mind