In [2]:	<pre>import pandas as pd import numpy as np import seaborn as sns import matplotlib.pyplot as plt %matplotlib inline sns.set(color_codes = True)</pre>													
In [3]:	<pre>car = pd.read_csv('C:/Users/Home/Desktop/electronic-card-transactions-january-2021-csv-tables.csv') car.head() #prints starting from thhe beginning car.tail() #prints atarting from the bottom</pre>													
Out[4]:	17505	Series_referer	nce Perio		lue Suppress	sed STAT	F Pe		Magnitu		Subject ectronic Carc	Electronic Card		Debit card usage as a
	17506		AXP 2020.			laN	F Pe			(AN	IZSIC06) - ECT ectronic Card	by mean and propo Electronic		proportion of total ECT Debit card usage as a
										(AN	IZSIC06) - ECT ectronic Card	by mean and propo Electronic		proportion of total ECT Debit card usage as a
	17507	ECTQ.S4A	AXP 2020.	06 3	:6.3 N	laN	F Pe				IZSIC06	by mean and propo Electronic		proportion of total ECT Debit card usage as a
	17508	ECTQ.S4A	AXP 2020.	09 3	19.2 N	laN	F Pe	rcent		(AN	IZSIC06)	and propo		proportion of total ECT Debit card
	17509		AXP 2020.	12 3	88.6 N	laN	F Pe	rcent		0 Tran (AN	sactions IZSIC06	transactions	Actual	usage as a proportion of total ECT
<pre>In [5]: Out[5]: In [6]:</pre>	(['Series_r 'UNITS',	'Magnita itle_2', ect')	ude', 'Su , 'Series	od', 'Data bject', 'G _title_3',	roup',	'Serie	es_ti	tle_1',	,],		
Out[6]:	count		7510 1751	Period 0.000000 NaN	Data_value 1.617900e+04 NaN			17510 4		Mag n		Subject 17510 1	Group Se 17510 5	17510 3
	top	ECTM.S1	9AX	NaN	NaN		Υ	R	Dollars		NaN	Electronic Card Transactions (ANZSIC06) - ECT	Values - Electronic card transactions A/S/T by	Actual
	freq mean std	1			NaN 1.490137e+07 8.197068e+07	N	210 IaN IaN	8268 NaN NaN	12729 NaN NaN		NaN 03427 48126	17510 NaN NaN	7544 NaN NaN	9011 NaN NaN
	min 25%	1	NaN 200	06.060000	5.130000e+01 1.766500e+02	N	laN laN	NaN NaN	NaN NaN	0.0	00000	NaN NaN	NaN NaN	NaN NaN
	50% 75% max	1	NaN 201	6.030000	1.153500e+03 4.099150e+03 1.874441e+09	N	laN laN laN	NaN NaN NaN	NaN NaN NaN	6.0	00000	NaN NaN NaN	NaN NaN NaN	NaN NaN NaN
In [8]:	car.he	ead (4)			','Series_	_		_	_					
Out[8]:		s_reference ECTA.S19A1		Data_value 2462.5	Suppressed NaN		UNITS Dollars	Magr	nitude 6	Electi	Card tions	Total values - Electronic card	Series_title_1 Actual	RTS total industries
	1	ECTA.S19A1	2002.03	17177.2	NaN	F	Dollars		6	Electron Transact	ECT onic Card	transactions A/ Total values - Electronic card	Actual	RTS total
	2	ECTA.S19A1	2003.03	22530.5	NaN	F	Dollars		6	Transact	eCT conic Card tions	transactions A/ Total values - Electronic card	Actual	industries RTS total industries
	3	ECTA.S19A1	2004.03	28005.1	NaN	F	Dollars		6	Transact	eCT onic Card tions	transactions A/ Total values - Electronic card	Actual	RTS total industries
In [10]:		car.renam	e(columr	ns = {"Pe:	riod ": " Tin	me Perio	od"})			(ANZSIC	06) - ECT	transactions A/		
Out[10]:		es_reference	Time Period	Data_value	Suppressed	STATUS	UNITS	5 Mag	gnitude		bject		Series_title_1	Series_title_2
	0	ECTA.S19A1	2001.03	2462.5	NaN	F	Dollars	S	6	Elect Transac (ANZSIC	Card ctions	Total values - Electronic card transactions A/	Actual	RTS total industries
	1	ECTA.S19A1	2002.03	17177.2	NaN	F	Dollars	S	6	Elect Transac (ANZSIC	Card ctions	Total values - Electronic card transactions A/	Actual	RTS total industries
	2	ECTA.S19A1	2003.03	22530.5	NaN	F	Dollars	5	6	Elect Transac (ANZSIC	Card ctions	Total values - Electronic card transactions A/	Actual	RTS total industries
	3	ECTA.S19A1	2004.03	28005.1	NaN	F	Dollars	S	6	Elect Transac (ANZSIC	Card ctions	Total values - Electronic card transactions A/	Actual	RTS total industries
	4	ECTA.S19A1	2005.03	30629.6	NaN 	F 	Dollars 		6	Elect Transac (ANZSIC	Card ctions	Total values - Electronic card transactions A/	Actual 	RTS total industries
	95	ECTA.S19AX	2016.03	41807.0	NaN	F	Dollars	S	6	Elect Transac (ANZSIC	Card ctions	Total values - Electronic card transactions A/	Actual	Debit
	96	ECTA.S19AX	2017.03	42142.5	NaN	F	Dollars	S	6		Card ctions	Total values - Electronic card transactions A/	Actual	Debit
	97	ECTA.S19AX	2018.03	41618.6	NaN	F	Dollars	S	6	Elect Transac (ANZSIC	Card ctions	Total values - Electronic card transactions A/	Actual	Debit
	98	ECTA.S19AX	2019.03	41143.5	NaN	F	Dollars	S	6	Elect Transad (ANZSIC	Card ctions	Total values - Electronic card transactions A/	Actual	Debit
	99	ECTA.S19AX	2020.03	41298.0	NaN	F	Dollars	5	6	Elect Transac (ANZSIC	Card ctions	Total values - Electronic card transactions A/	Actual	Debit
In [34]:	car.sh	× 11 colum	ins											
Out[34]: In [37]:	(17510, 11) car.count()													
	Series_ Time Pe	_reference eriod alue	175: 161	10 79										
	Suppres STATUS UNITS Magnitu	ssed		10 10 10 10										
	Group Series	_title_1 _title_2	175: 175: 175:	10 10										
In [45]: Out[45]:	car.co	_reference	e 0	ces()										
	Time Per Data_va Suppres STATUS UNITS	eriod alue ssed	0 0 0 0											
		t _title_1 _title_2	0 0 0 0											
In [63]:	Series_ Period		2	0										
	Data_va Suppres STATUS UNITS Magnitu Subject	ssed	13: 173)											
	Group Series Series Series	_title_1 _title_2 _title_3 _title_4	140 175	0 0 0 52 10										
In [60]:	Series dtype:	title_5 int64 car.dropn	175											
Out[60]:		_reference	e 0 0 0 0											
	STATUS UNITS Magnitu Subject Group	ude	0 0 0 0 0											
	Series Series Series	title_2 _title_3 _title_4 _title_5	0 0 0			_	_	_		_	_			