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. * get municipality means
. egen means_nat_rate = mean(nat_rate) , by(muniID)

. * compute deviations from means
. gen dm_nat_rate = nat_rate - means_nat_rate

. list muniID muni_name year nat_rate means_nat_rate dm_nat_rate in 20/40 ,ab(20)

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	muniID	muni_name	year	nat_rate	means_nat_rate	dm_nat_rate
20.	2	Affoltern A.A.	1991	.2173913	3.595932	-3.37854
21.	2	Affoltern A.A.	1992	.9473684	3.595932	-2.648563
22.	2	Affoltern A.A.	1993	1.04712	3.595932	-2.548811
23.	2	Affoltern A.A.	1994	.8342023	3.595932	-2.761729
24.	2	Affoltern A.A.	1995	2.002002	3.595932	-1.59393
25.	2	Affoltern A.A.	1996	1.7769	3.595932	-1.819031
26.	2	Affoltern A.A.	1997	1.862745	3.595932	-1.733186
27.	2	Affoltern A.A.	1998	2.054155	3.595932	-1.541776
28.	2	Affoltern A.A.	1999	2.402135	3.595932	-1.193796