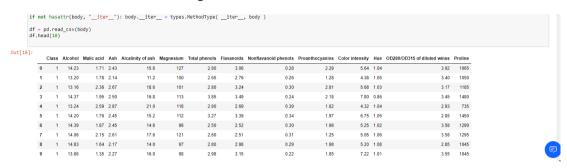
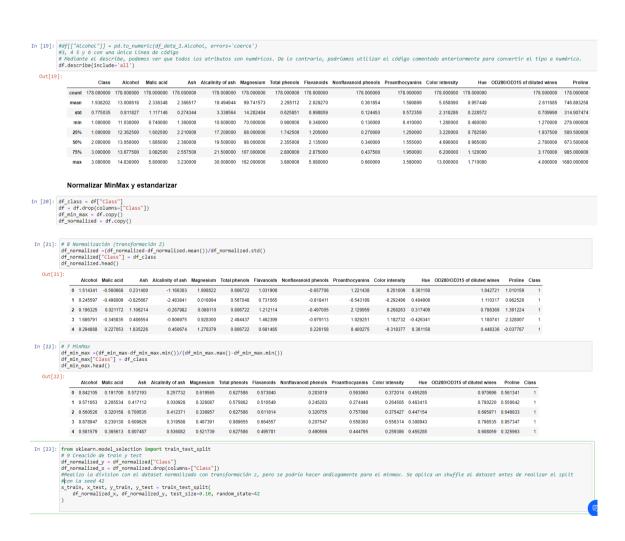
Dataset Wine – Normalización en Notebook en la nube de IBM

Se provee una implementación en un jupyter notebook en donde se realizarán las tareas requeridas. La solución fue implementada en Watson Studio (IBM Cloud), la primera celda del notebook refiere a la forma de cargar el dataset.





In [27]: train = x_train.join(y_train)
train.head() Out[27]:

	Alcohol	Malic acid	Ash	Alcalinity of ash	Magnesium	Total phenois	Flavanoids	Nonflavanoid phenois	Proanthocyanins	Color intensity	Hue	OD280/OD315 of diluted wines	Proline	Class
9	1.058578	-0.882918	-0.351810	-1.046527	-0.121938	1.094330	1.122011	-1.139816	0.452690	0.932547	0.229909	1.321588	0.946649	1
114	-1.134008	-0.847112	0.486554	0.899835	-1.102159	0.423244	0.261028	0.547563	-0.962506	-0.930899	-0.120091	0.814539	-1.149205	2
18	1.465069	-0.668085	0.413653	-0.896807	0.578221	1.605634	1.902902	-0.336302	0.470162	1.570950	1.192408	0.293405	2.963114	1
66	0.134736	-1.187265	-2.429493	-1.345967	-1.522254	1.094330	1.152045	-0.818411	1.203967	0.104349	0.711158	0.800454	-0.777667	2
60	-0.826061	-1.106702	-0.315359	-1.046527	0.088110	-0.391646	-0.940343	2.154591	-2.063214	-0.771298	1.279908	-1.326335	-0.212422	2

In [28]: test = x_test.join(y_test) test.head()
Out[28]: Alcohol Malic acid

	Alcohol	Malic acid	Ash	Alcalinity of ash	Magnesium	Total phenols	Flavanoids	Nonflavanoid phenols	Proanthocyanins	Color intensity	Hue	OD280/OD315 of diluted wines	Proline	Class
19	0.787585	0.683574	0.705257	-1.286079	1.138347	0.646939	1.001874	-1.541573	0.120730	0.018078	0.011159	1.053978	0.311541	1
45	1.489705	1.525003	0.267850	-0.178150	0.788268	0.886613	0.621440	-0.497005	-0.595603	0.078468	-0.382591	1.011724	1.057792	1
140	-0.086987	0.423984	1.215566	0.450674	-0.261969	-1.206537	-1.531017	1.351077	-1.469181	-0.197599	-0.820091	-0.424915	-0.466465	3
30	0.898446	-0.748647	1.215566	0.899835	0.088110	1.126287	1.222125	-0.577356	1.378682	0.276890	1.017408	0.138473	1.708777	1
67	-0.776789	-1.044043	-1.627580	0.031458	-1.522254	-0.295777	-0.029303	-0.738059	-0.962506	-0.163090	0.711158	1.222995	-0.752263	2