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10 to 'auto' in 1.4. Set the value of `n_init` explicitly to suppress the warning\n"," super()._check_params_vs_input(X, default_n_init=10)\n","/home/syam/.local/lib/python3.10/site-packages/sklearn/cluster/_kmeans.py:1416: FutureWarning: The default value of `n_init` will change from 10 to 'auto' in 1.4. Set the value of `n_init` explicitly to suppress the warning\n"," super()._check_params_vs_input(X, default_n_init=10)\n","/home/syam/.local/lib/python3.10/site-packages/sklearn/cluster/_kmeans.py:1416: FutureWarning: The default value of `n_init` will change from 10 to 'auto' in 1.4. Set the value of `n_init` explicitly to suppress the warning\n"," super()._check_params_vs_input(X, default_n_init=10)\n","/home/syam/.local/lib/python3.10/site-packages/sklearn/cluster/_kmeans.py:1416: FutureWarning: The default value of `n_init` will change from 10 to 'auto' in 1.4. Set the value of `n_init` explicitly to suppress the warning\n"," super()._check_params_vs_input(X, default_n_init=10)\n","/home/syam/.local/lib/python3.10/site-packages/sklearn/cluster/_kmeans.py:1416: FutureWarning: The default value of `n_init` will change from 10 to 'auto' in 1.4. Set the value of `n_init` explicitly to suppress the warning\n"," super()._check_params_vs_input(X, default_n_init=10)\n","/home/syam/.local/lib/python3.10/site-packages/sklearn/cluster/_kmeans.py:1416: FutureWarning: The default value of `n_init` will change from 10 to 'auto' in 1.4. Set the value of `n_init` explicitly to suppress the warning\n"," super()._check_params_vs_input(X, default_n_init=10)\n"]}],"source":["error= []\n","for i in range(1, 10):\n"," km = KMeans(n_clusters = i)\n"," km.fit(new_df)\n"," error.append(km.inertia_)"]},
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