MNIST

# Load data

#加载数据

df = pd.read\_csv("../input/digit-recognizer/train.csv")

df.head()

#分割数据集

y = df.label.values

X = df.drop("label",axis=1).values

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size=0.4, random\_state=0)

#初步观察数据

fig1, ax1 = plt.subplots(1,15, figsize=(15,10))

for i **in** range(15):

ax1[i].imshow(X\_test[i].reshape((28,28)), cmap="gray\_r")

ax1[i].axis('off')

ax1[i].set\_title(y\_test[i])