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"/kaggle/input/students-performance-in-exams/StudentsPerformance.csv\n"

]

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"import numpy as np # linear algebra\n",

"import pandas as pd # data processing, CSV file I/O (e.g. pd.read\_csv)\n",

"import matplotlib.pyplot as plt\n",

"import seaborn as sns\n",

"\n",

"import os\n",

"for dirname, \_, filenames in os.walk('/kaggle/input'):\n",

" for filename in filenames:\n",

" print(os.path.join(dirname, filename))\n"

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"# Read data"

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"</table>\n",

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"513 female group B some high school standard \n",

"67 female group C some college standard \n",

"148 female group D bachelor's degree standard \n",

"693 female group D associate's degree standard \n",

"\n",

" test preparation course math score reading score writing score \n",

"180 completed 62 68 75 \n",

"513 completed 54 61 62 \n",

"67 none 60 72 74 \n",

"148 completed 68 75 81 \n",

"693 none 77 77 73 "

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"data.sample(5)"

]

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" \"associate's degree\", 'high school', 'some high school'],\n",

" dtype=object)"

]

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"# Let's see the relatively more successful students"

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"2 female group B master's degree standard \n",

"6 female group B some college standard \n",

"16 male group C high school standard \n",

"34 male group E some college standard \n",

"49 male group C high school standard \n",

".. ... ... ... ... \n",

"957 female group D master's degree standard \n",

"962 female group E associate's degree standard \n",

"970 female group D bachelor's degree standard \n",

"979 female group C associate's degree standard \n",

"995 female group E master's degree standard \n",

"\n",

" test preparation course math score reading score writing score \n",

"2 none 90 95 93 \n",

"6 completed 88 95 92 \n",

"16 none 88 89 86 \n",

"34 none 97 87 82 \n",

"49 completed 82 84 82 \n",

".. ... ... ... ... \n",

"957 none 92 100 100 \n",

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"## What is their gender?"

]

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"colors = ['#ff9999','#66b3ff']\n",

"\n",

"plt.figure(figsize=(5, 5))\n",

"plt.pie(gender\_counts\_all, labels=gender\_counts\_all.index, colors=colors, autopct='%1.1f%%', startangle=90)\n",

"plt.title('Contribution on gender')\n",

"plt.axis('equal') \n",

"plt.show()"

]

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"## What is their race?"

]

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"plt.figure(figsize=(5, 5))\n",

"plt.pie(race\_counts\_all, labels=race\_counts\_all.index, autopct='%1.1f%%', startangle=90)\n",

"plt.title('Contribution on race')\n",

"plt.axis('equal') \n",

"plt.show()"

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"## What is their parental level of education"

]

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]

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"source": [

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"plt.figure(figsize=(5, 5))\n",

"plt.pie(par\_edu\_level\_all, labels=par\_edu\_level\_all.index, autopct='%1.1f%%', startangle=90)\n",

"plt.title('Contribution on parental level of education')\n",

"plt.axis('equal') \n",

"plt.show()"

]

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"# Lets see the students that are good at math"

]

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"618 male group D master's degree standard \n",

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"659 male group D associate's degree standard \n",

"685 female group E master's degree standard \n",

"689 male group E some college free/reduced \n",

"710 male group C some college standard \n",

"712 female group D some college standard \n",

"717 female group C associate's degree standard \n",

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"784 male group C bachelor's degree standard \n",

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"845 male group E master's degree standard \n",

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"864 male group C associate's degree standard \n",

"873 male group E associate's degree free/reduced \n",

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"808 none 90 75 69 \n",

"815 completed 94 86 87 \n",

"845 none 90 85 84 \n",

"846 completed 91 85 85 \n",

"855 none 97 97 96 \n",

"864 none 97 93 91 \n",

"873 none 90 90 82 \n",

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"data\_math"

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"iopub.status.busy": "2024-04-13T03:33:59.161046Z",

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"shell.execute\_reply": "2024-04-13T03:33:59.167135Z"

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"not\_goog\_at\_math = len(data)-len(data\_math)\n",

"\n",

"sizes = [good\_at\_math, not\_goog\_at\_math]\n",

"labels = [\"Good at math\", \"Not good at math\"]\n",

"colors = [\"#00E676\",\"#FF5722\"]\n",

"\n",

"plt.figure(figsize=(5, 5))\n",

"plt.pie(sizes, labels=labels, colors=colors, autopct='%1.1f%%', startangle=90)\n",

"plt.title('Are the students good at math?')\n",

"plt.axis('equal') \n",

"plt.show()"

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"sns.boxplot(x='gender', y='math score', data=data\_math, palette={\"female\": \"#CE93D8\", \"male\": \"#8C9EFF\"})\n",

"plt.xlabel('Gender')\n",

"plt.ylabel('Math Score')\n",

"plt.title('Math Scores by Gender')\n",

"plt.show()"

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"name": "python3"

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"language\_info": {

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"pygments\_lexer": "ipython3",

"version": "3.10.13"

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"output\_path": "\_\_notebook\_\_.ipynb",

"parameters": {},

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