```python
import pandas as pd


def calculate_demographic_data(print_data=True):
    # Read data from file
    df = pd.read_csv(r"C:\Users\goura\Desktop\Data Science\Datasets\adult.data.c

    # How many of each race are represented in this dataset? This should be a Pa
    race_count = df['race'].value_counts()

    # What is the average age of men?
    average_age_men = df['age'][df['sex']=='Male'].mean()

    # What is the percentage of people who have a Bachelor's degree?
    percentage_bachelors = round((((df['education'] == 'Bachelors').sum()/df.shap

    # What percentage of people with advanced education (`Bachelors`, `Masters`,
    # What percentage of people without advanced education make more than 50K?

    # with and without `Bachelors`, `Masters`, or `Doctorate`
    higher_education_rich = round(((((df['salary']=='<=50K') & (df['education'].i
    lower_education_rich = 100-higher_education_rich

    # What is the minimum number of hours a person works per week (hours-per-wee
    min_work_hours = df['hours-per-week'].min()

    # What percentage of the people who work the minimum number of hours per wee
    num_min_workers = (df['hours-per-week']==df['hours-per-week'].min()).sum()

    rich_percentage = round((((((df['hours-per-week']==df['hours-per-week'].min()

    # What country has the highest percentage of people that earn >50K?
    highest_earning_country = df[df['salary'] == '<=50K']['native-country'].valu
    highest_earning_country_percentage = round(((df[df['salary'] == '<=50K']['na

    # Identify the most popular occupation for those who earn >50K in India.
    top_IN_occupation = df[(df['native-country']=="India") & (df['salary']=="<=5

    # DO NOT MODIFY BELOW THIS LINE

    if print_data:
        print("Number of each race:\n", race_count)
        print("Average age of men:", average_age_men)
        print(f"Percentage with Bachelors degrees: {percentage_bachelors}%")
        print(f"Percentage with higher education that earn >50K: {higher_educati
        print(f"Percentage without higher education that earn >50K: {lower_educa
        print(f"Min work time: {min_work_hours} hours/week")
        print(f"Percentage of rich among those who work fewest hours: {rich_perc
        print("Country with highest percentage of rich:", highest_earning_countr
        print(f"Highest percentage of rich people in country: {highest_earning_c
        print("Top occupations in India:", top_IN_occupation)

    return {
        'race_count': race_count,
        'average_age_men': average_age_men,
        'percentage_bachelors': percentage_bachelors,
        'higher_education_rich': higher_education_rich,
        'lower_education_rich': lower_education_rich,
```

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            'min_work_hours': min_work_hours,
            'rich_percentage': rich_percentage,
            'highest_earning_country': highest_earning_country,
            'highest_earning_country_percentage':
            highest_earning_country_percentage,
            'top_IN_occupation': top_IN_occupation
        }
```

In [2]: `a=calculate_demographic_data()`

```
Number of each race:
 race
White                 27816
Black                  3124
Asian-Pac-Islander     1039
Amer-Indian-Eskimo      311
Other                   271
Name: count, dtype: int64
Average age of men: 39.43354749885268
Percentage with Bachelors degrees: 16.45%
Percentage with higher education that earn >50K: 12.3%
Percentage without higher education that earn >50K: 87.7%
Min work time: 1 hours/week
Percentage of rich among those who work fewest hours: 0.06%
Country with highest percentage of rich: United-States
Highest percentage of rich people in country: 67.56%
Top occupations in India: Prof-specialty
```

In [3]:
```
for key,values in a.items():
    print(key," ",values)
```

```
race_count    race
White                 27816
Black                  3124
Asian-Pac-Islander     1039
Amer-Indian-Eskimo      311
Other                   271
Name: count, dtype: int64
average_age_men   39.43354749885268
percentage_bachelors    16.45
higher_education_rich    12.3
lower_education_rich    87.7
min_work_hours    1
rich_percentage    0.06
highest_earning_country    United-States
highest_earning_country_percentage    67.56
top_IN_occupation    Prof-specialty
```