02441 Applied Statistics and Statistical Software

Exercise 4C - Popular

Subjects were students in grades 4-6 from three school districts in Ingham and Clinton Counties, Michigan. Chase and Dummer stratified their sample, selecting students from urban, suburban, and rural school districts with approximately 1/3 of their sample coming from each district. Students indicated whether good grades, athletic ability, or popularity was most important to them. They also ranked four factors: grades, sports, looks, and money, in order of their importance for popularity. The questionnaire also asked for gender, grade level, and other demographic information.

Variable name	Description
Gender	Boy or girl
Grade	4, 5, or 6
Age	Age in years
Race	White, Other
Urban/Rural	Rural, Suburban, or Urban school district
School	Brentwood Elementary, Brentwood Middle, Ridge, Sand, Eureka, Brown, Main Portage, Westdale Middle
Goals	Student's choice in the personal goals question where options were 1 = Make Good Grades 2 = Be Popular, 3 = Be Good in Sports
Grades	Rank of "make good grades"(1=most important for popularity, 4=least important)
Sports	Rank of "being good at sports"(1=most important for popularity, 4=least important)
Looks	Rank of "being handsome or pretty"(1=most important for popularity, 4=least important)
Money	Rank of "having lots of money"(1=most important for popularity, 4=least important)

1. Analyze the relationship between gender and goals.

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# Code here
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2. Analyze the relationship between age and goals.

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#Code here
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3. Could you suggest other analysis that may be interesting?

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# Code here
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