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| [InterviewQs](http://url4828.interviewqs.com/ls/click?upn=qwT-2Bl0U064-2B7oRNpPgUya7ecPmGRwE2khpP-2F5cNr-2FmX-2B6PqYxRHzWlRa-2B8ecgLBA9-2BqgBN6N-2BlN6LynvPDDX8gP5GJnL7P-2FdFw86KOd0IkE-3Dr8mv_IX5HKWnhXeILdZHF1orS-2BlB9GK8lB7SYfPoy-2FMuH4KRohMZLpajhsnIOVcXh9Dl1-2FEM0gexeUVi2uV8saiYk-2BIoemGnh34m-2BtT-2BROOE0Lc-2Bkopd6Z27bKGuv7dOuQ73sXkNsOgMybAyt1cBiJAwdfrsAeeJh5bJa8Hot90W16qZ7R-2BtpW-2FgA186GOcU67cb6lMfrWpwvMPyajpXlVLJf4YTs9DwPSDnc60UkeXdRxie-2BO3Q9HbJL3LFm5ttQS4Ev0O1MJhYzmyFEyhyK6DYlwmZlaiih8lzlNqDzFA8SlVyO2Tuw1mTBEZPXB5E3vwkvtyUQw8fjevTJLTlckoMylDF0suRKdIP5HZvfQkF0ml3aBVUnV93WT7KayuOHYkkj) |

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| **Cereal ratings: 3 top variables** |

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| Data Analysis Python Pandas Model Linear Regression Data Manipulation Data Visualization External Dataset |

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| Suppose you have the following [dataset\*](http://url4828.interviewqs.com/ls/click?upn=qwT-2Bl0U064-2B7oRNpPgUya51JFUDgj241ZqJOHGqS8eD4tjNEUUiE84jSUq3UK-2FXXVV6baahMCT1lnWqzVwJy2iqKuEoMjYJainybGEluZqqkr4WP7gBwKEdp-2FABtL1JZYjgcIp376AiZhqs9lOJdoQ-3D-3DOBf7_IX5HKWnhXeILdZHF1orS-2BlB9GK8lB7SYfPoy-2FMuH4KRohMZLpajhsnIOVcXh9Dl1-2FEM0gexeUVi2uV8saiYk-2BIoemGnh34m-2BtT-2BROOE0Lc-2Bkopd6Z27bKGuv7dOuQ73sXkNsOgMybAyt1cBiJAwdfrsAeeJh5bJa8Hot90W16qZ7R-2BtpW-2FgA186GOcU67cb6lMfrWpwvMPyajpXlVLJf4YTs9DwPSDnc60UkeXdRxieBKi1-2BuRnH-2BsB17SmyAIXDG8-2B-2BaidU0aPSLf04Yh3U29Pn1rDEV1Jornt530RGwZ9WnkQwckV8ScjO-2FB1jjRaEB-2F1NvSU-2Bl-2BnOo6viaxEqXMY4AgkUea4QNoiPw8PlT-2F61JKjQ-2FPVkr2p9lTDYaGvL), which is a list of 80 cereals, containing the following fields:   * mfr: Manufacturer of cereal   + A = American Home Food Products   + G = General Mills   + K = Kelloggs   + N = Nabisco   + P = Post   + Q = Quaker Oats   + R = Ralston Purina * type:   + cold   + hot * calories: calories per serving * protein: grams of protein per serving * fat: grams of fat per serving * sodium: milligrams of sodium * fiber: grams of dietary fiber * carbs: grams of complex carbohydrates * sugars: grams of sugars * potass: milligrams of potassium * vitamins: vitamins and minerals - 0, 25, or 100, indicating the typical percentage of FDA recommended * shelf: display shelf (1, 2, or 3, counting from the floor) * weight: weight in ounces of one serving * cups: number of cups in one serving * rating: a rating of the cereals (Possibly from Consumer Reports?)   Using this data, can you determine the best 3 independent variables that help determine cereal rating? |