Introduction

##     tormula. We feit the following factors were key to our researchnet genes of music are there and how do they When attect people? What fene of msicicis the most popular? sot fera mathematicil basis to composing a piece of music?  <br> Our Assumptions




Steps we took
Researched the number of and different types of genres
of music
and



 - tevaluated our findings in context of the problem posed


Most popular Genre of Music

## 

 4.8\% of the sample liked Country Westem best and gavereasons such asit made them feel hapop, it was good for






|  | $\frac{\mathrm{Jaz}}{\mathrm{z}}$ | coun ty | Rook | Pop | ${ }_{\text {Hop }}^{\text {Hop- }}$ | Folk | clas sical | Regg ae | Trad |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 73 | 138 | 99 | 138 | 153 | 143 | 61 | 160 | 143 |
|  | 65 | 112 | 130 | 121 | 160 | 117 | 65 | 108 | 108 |
|  | 73 | 86 | 130 | 134 | 112 | 134 | 121 | 134 | 143 |
|  | 73 | 104 | 138 | 121 | 164 | 151 | 73 | 145 | 138 |
|  | 138 | 95 | 104 | 160 | 121 | 104 | 104 | 121 | 125 |
|  | 104 | 86 | 138 | 121 | 151 | 145 | 91 | 164 | 104 |
|  | 65 | 125 | 108 | 125 | 190 | 145 | 108 | 121 | 102 |
|  | 86 | 99 | 125 | 112 | 173 | 78 | 112 | 130 | 108 |
|  | 78 | 86 | 147 | 121 | 190 | 125 | 73 | 160 | 142 |
|  | 121 | 82 | 190 | 134 | 181 | 108 | 99 | 125 | 143 |
| Mean | 88 | 101 | 131 | 129 | 160 | 125 | 91 | 137 | 123 |
| Range | 73 | 56 | 91 | 48 | 78 | ${ }^{73}$ | 60 | 52 | 41 |
| Mode | 73 | 86 | 130 | 121 | 190 | 125 | ${ }^{73}$ | 160 | 143 |



Tempo in Music 2010-2019


Beats per minute and number of weeks in the charts

 pariticuar age demograph. We have found
music appeals to a broad spectrum of ages.
Strengths and weaknesses of the solution

- Wel looked at dififerit egrese of musi but having
found out that there were 411 primar categoies and








 can be ereros in calculation becauses some piec ass
musicich heve a more obviuus beat to count than
shers.
 that we took int o oonsideration ot more tho nee
genne and the use of a music app to random sample
tunes.
 Conclusions


by focusing on tempo alone we have found the tollowing:






