High School AP Statistics Project Ideas

Here are the best High School AP Statistics Project Ideas:

Sports Statistics

1. Keep track of how many free throws basketball players make to see if practice helps them get better.
2. Compare how tall athletes are in different sports to find any patterns.
3. Count the steps players take in games and races to learn how much they move.
4. Check if home teams win more because fans cheer for them.
5. Measure how far students can throw a ball to compare their arm strength.
6. See if weather changes how many goals get scored in soccer matches.
7. Find out if certain baseball positions have taller or shorter players.
8. Tally how many points basketball players score in morning games versus afternoon games.
9. Observe how fast students run to learn if breakfast helps them perform.
10. Test if music makes swimmers go faster in the school pool.
11. Compare athletes' shoe sizes to see if bigger feet help with running.
12. Study whether teams with bright uniforms win more games than other teams.
13. Count how often players get hurt during different sports seasons.
14. Check if players from certain towns score more points in games.
15. Notice if the color of a ball makes it easier or harder to catch.
16. Measure if drinking water helps students jump higher in gym class.
17. Follow whether teams win more when they wear their lucky uniforms.
18. Count how many people watch each sport at your school.
19. Study if teams with animal mascots win more games than those without.

20. Compare scores of games played in sunny weather versus cloudy skies.
21. Test if teams that practice longer hours win more often.
22. Observe if players with certain jersey numbers score more points in basketball.
23. Measure how long baseball games last when different pitchers play.
24. Find out if left-handed players do better in certain sports.
25. Check if eating snacks before a game helps teams play better.
26. Tally how many fans cheer for home teams versus visiting teams.
27. Keep track of whether teams with older players win more than younger ones.
28. See if players from large families score more points in games.
29. Study if colored sports drinks help athletes run laps faster.
30. Check if teams with more practice days win more championships.
31. Measure if players who sleep more hours play better in games.
32. Count how many injuries happen in morning practices versus afternoon ones.
33. Notice which quarter basketball teams score the most points in.
34. Observe if taller volleyball players block more balls during matches.
35. Test if eating breakfast helps players score more points.
36. Compare scores of teams playing at home versus away games.
37. Follow if team captains score more points than other players.
38. Study if certain warm-up exercises help teams win more games.
39. Measure if teams with matching shoes win more often than others.
40. Count how many high-fives happen during wins versus losses.

Health and Lifestyle

41. Record how many hours students sleep and see how it affects their test scores.

42. Count how many fruits and vegetables students eat each day.
43. Measure if screen time affects students' eyesight or gives them headaches.
44. Check if students who eat breakfast get better grades than those who skip it.
45. Compare how drinking water affects how tired students feel.
46. Tally how fast students walk when they wear different kinds of shoes.
47. Observe if weather changes how many students get sick.
48. Count how many steps students take on different ways to school.
49. Find out if reading before bed helps students sleep better at night.
50. Test if listening to music helps students finish homework faster.
51. Study how lunch choices affect how much energy students have in the afternoon.
52. Check if students who exercise miss fewer days of school.
53. Record how many hours students spend outside in different seasons.
54. Count how many students pick healthy snacks versus unhealthy ones.
55. Compare test scores of students with different bedtime routines.
56. See if drinking water during tests helps students score higher.
57. Study if students who play sports eat in different ways.
58. Measure how stress levels change during different weeks of school.
59. Check if students who bring lunch from home eat more than those who eat in the cafeteria.
60. Observe how often students tell jokes when they are happy versus sad.
61. Compare how fast students run in different types of shoes.
62. Study if eye color relates to how sensitive eyes are to bright light.
63. Count how many books students read based on how much free time they have.
64. Check if brushing teeth longer leads to fewer cavities.

65. Record if students who eat breakfast make fewer mistakes in morning classes.
66. Study how weather affects students' moods and energy in class.
67. Measure how many minutes students spend on phones versus reading books.
68. Compare height growth between students who eat different kinds of food.
69. See if students who drink milk have stronger bones and teeth.
70. Track how many times students laugh during funny movies versus serious ones.
71. Count how many students get sick before big test days.
72. Study if washing hands more often helps students catch fewer colds.
73. Observe if students who play outside focus better in class.
74. Measure if standing desks help students pay attention longer.
75. Record how homework completion changes during the school week.
76. Check if students' heart rates change during different subjects.
77. Count how many students use reusable water bottles versus plastic ones.
78. Study if eating colorful foods gives students more energy.
79. Compare posture of students who carry backpacks versus rolling bags.
80. Measure if taking short meditation breaks helps students feel calmer during tests.

School and Education

81. Count how many questions students ask in different subjects.
82. Record test scores based on where students sit in the classroom.
83. Measure if using colored paper helps students remember information.
84. Study if listening to music while studying affects memory.
85. Compare test scores from morning classes to afternoon classes.
86. Check if students learn better from videos or from books.

87. Count how many books students read based on their favorite subjects.

88. Observe if classroom temperature affects how well students learn.

89. Record how many students raise their hands in each teacher’s class.

90. Measure if working in groups makes better projects than working alone.

91. Check if having plants in the classroom helps students focus.

92. See if taking notes by hand helps memory more than typing.

93. Count how many absences happen on each day of the week.

94. Study if noisy classrooms affect how much students learn.

95. Record how many questions teachers ask in each subject.

96. Compare grades of students who use laptops versus paper notebooks.

97. Measure if bright or dim lighting helps students focus.

98. Check if teacher excitement makes students join in more.

99. Track how test scores change each month of school.

100. See if eating lunch early affects how students do after lunch.

101. Study if taking breaks helps students finish homework faster.

102. Count how many times students check phones while they study.

103. Compare spelling scores when studying with friends versus alone.

104. Measure reading speeds with different text colors.

105. Check if fidget toys help students pay attention in lessons.

106. Record how many pages students read in digital books versus paper books.

107. Study if drinking water during tests helps students do better.

108. Count how many students finish homework based on the assignment type.

109. Compare creativity in art classes versus math classes.

110. See if classroom decorations affect how students feel and learn.

111. Measure if doing stretch breaks helps students remember more.
112. Track how students' favorite subjects relate to their career dreams.
113. Study if doodling helps students remember more from lectures.
114. Count how many words students write in essays on different topics.
115. Compare math scores of students who count on fingers versus in their heads.
116. Check if having a class pet helps attendance and mood.
117. Record how students' handwriting changes in different subjects.
118. Study if chewing gum helps students concentrate during tests.
119. Measure if students learn better from female or male teachers.
120. Count how many questions appear on tests in each subject.

Social and Community

121. Record how many times students help others during the school day.
122. Count how many friends students have based on their hobbies.
123. Study if students with pets talk to more people at school.
124. Compare how students from different neighborhoods spend free time.
125. Measure if students who volunteer are happier at school.
126. Track how many compliments students give and get each day.
127. See if students who smile more have more friends.
128. Study how social media use affects real-life friendships.
129. Count how many different languages students speak at school.
130. Check if students who eat lunch together become friends more often.
131. Record how often students share snacks with classmates.
132. Measure if playing team sports helps students make more friends.

133. Study if birth order affects leadership in group projects.
134. Compare how students from different cultures celebrate the same holidays.
135. Check if students who ride buses have different friend groups.
136. Count how many students join school events versus community events.
137. Track if helping teachers leads to better classmate relationships.
138. Study how many new friends students make each month.
139. Measure if after-school clubs make students more confident and happy.
140. See if wearing certain colors makes students stand out more.
141. Count how many students prefer group work versus working alone.
142. Check if students who share lunch have stronger friendships.
143. Record how many times students visit the library versus the gym.
144. Study if students with siblings handle conflicts differently than only children.
145. Compare how often students from different grades help each other.
146. Measure if greeting others leads to more positive school days.
147. Count how many high-fives happen in different areas of school.
148. See if students who tell jokes have bigger friend groups.
149. Track how many students go to different types of school events.
150. Study if students who sit together at lunch share the same interests.
151. Measure how many times students talk to new people each week.
152. Check if playground games change with the weather.
153. Count how many students bring treats to share to make friends faster.
154. Record how many friend groups mix during school events.
155. Study if walking to school helps students know more neighbors.
156. Compare how students from different cultures respond to the same jokes.

157. Count how many students help clean and organize the classroom.
158. See if students who borrow supplies make more friends.
159. Measure if where students sit affects how they make friends.
160. Track how many students ask new people questions each day.

Environment and Science

161. Record how much trash students make at lunch each day.
162. Measure if using reusable bottles cuts down on plastic waste.
163. Count how many different bugs live in the school garden.
164. Study if plants grow faster when music plays nearby.
165. See if weather changes how many students walk to school.
166. Track how temperature changes affect birds around school.
167. Measure if recycling lessons help students sort trash correctly.
168. Count how many types of clouds appear in one month.
169. Check if sunlight on windowsills helps plants grow faster.
170. Study if rain amounts change how many worms come out on sidewalks.
171. Record how many students bring paper lunch bags versus plastic ones.
172. Measure if having class outside helps students learn and focus.
173. Count how many cars versus buses arrive at school each day.
174. Study if moon phases affect how students sleep and act.
175. See if seasons change how students feel and their energy.
176. Check if using fans versus air conditioning saves electricity.
177. Track how many birds visit different types of bird feeders.
178. Measure if composting lunch scraps cuts down on garbage.

179. Count how many students wear clothes that match the weather forecast.
180. Study how different liquids affect seed germination and plant growth.
181. See if noise levels change in different school areas and times.
182. Track how water use changes with posters about saving water.
183. Measure if sunlight makes plant leaves bigger or greener.
184. Count how many raindrops fall into cups of different sizes.
185. Check if soil from different spots helps plants grow better.
186. Study if some seed types grow into tall plants faster.
187. Record how many students sort recycling and trash correctly.
188. Measure if dark clothes get hotter in the sun.
189. Count how many leaves fall in autumn each day.
190. Study if plant growth changes with different watering schedules.
191. See if classroom air quality affects how students focus and sneeze.
192. Track how light pollution affects star viewing near school.
193. Measure how students' shadows change through the school day.
194. Count how many birds sing at different times of the day.
195. Check if classroom temperature affects how much water plants use.
196. Study how wind direction shifts during school weeks.
197. Record how fast different papers break down when buried in soil.
198. Measure if natural light or artificial light makes plants grow toward it.
199. Count how long it takes ice to melt in the sun versus in the shade.
200. See if certain flowers bring more butterflies to the school garden.

Technology and Media

201. Count how many hours students spend on different types of apps.
202. Record if students who limit screen time sleep better at night.
203. Measure how fast students type on phones versus computers.
204. Study if watching educational videos helps students learn hard topics.
205. Compare reading speeds between paper books and e-readers.
206. Check if students who play video games have faster reactions.
207. Track how many text messages students send at different times.
208. Count how many students prefer videos over reading for information.
209. Measure if phone notifications slow down homework time.
210. Study if students who watch news know more about current events.
211. See if certain music helps students focus while they study.
212. Track how social media use changes during the school week.
213. Check if making digital art versus drawing by hand affects students.
214. Count how many ads students see in one hour online.
215. Measure if blue light glasses reduce students' headaches.
216. Study if students who code solve problems differently.
217. Record how much battery different activities use on phones.
218. See if texting or calling friends leads to longer chats.
219. Count how many websites students visit for one homework task.
220. Check if technology-free days change students' stress and happiness.
221. Measure if using a computer changes handwriting quality.
222. Track how many photos students take during special events.
223. Study if watching movies with subtitles improves reading speed.
224. Count how much time students spend creating content versus just watching.

225. See if using digital calendars helps students remember homework.

226. Check if playing music games makes students better at rhythm.

227. Track how internet speed affects satisfaction with homework.

228. Measure if listening to podcasts helps students learn new facts.

229. Study if typing speed links to how good essays are.

230. Count how many questions students ask search engines each day.

231. See if digital timers help students finish tests faster.

232. Check if video tutorials help students learn new skills quicker.

233. Track how students' posture changes when using computers versus reading.

234. Measure if voice assistants help students spell words better.

235. Count how many students prefer calling friends over texting.

236. Study if making digital presentations helps students speak better.

237. See if background music changes video game performance.

238. Check if students who watch cooking shows cook more at home.

239. Track how many different devices students use in one day.

240. Measure if animation helps students understand hard science ideas better.