

Overview

| | |
|-------------------------------|---------|
| Dataset statistics | |
| Number of variables | 5 |
| Number of observations | 150 |
| Missing cells | 0 |
| Missing cells (%) | 0.0% |
| Duplicate rows | 1 |
| Duplicate rows (%) | 0.7% |
| Total size in memory | 6.0 KiB |
| Average record size in memory | 40.9 B |

| | |
|----------------|---|
| Variable types | |
| Numeric | 4 |
| Categorical | 1 |

Alerts

| | |
|--|------------------|
| Dataset has 1 (0.7%) duplicate rows | Duplicates |
| sepal_length is highly correlated with petal_length and 1 other fields (petal_length, petal_width) | High correlation |
| petal_length is highly correlated with sepal_length and 1 other fields (sepal_length, petal_width) | High correlation |
| petal_width is highly correlated with sepal_length and 1 other fields (sepal_length, petal_length) | High correlation |
| sepal_length is highly correlated with petal_length and 1 other fields (petal_length, petal_width) | High correlation |
| petal_length is highly correlated with sepal_length and 1 other fields (sepal_length, petal_width) | High correlation |
| petal_width is highly correlated with sepal_length and 1 other fields (sepal_length, petal_length) | High correlation |
| sepal_length is highly correlated with petal_length and 1 other fields (petal_length, petal_width) | High correlation |
| petal_length is highly correlated with sepal_length and 1 other fields (sepal_length, petal_width) | High correlation |
| petal_width is highly correlated with sepal_length and 1 other fields (sepal_length, petal_length) | High correlation |
| sepal_length is highly correlated with sepal_width and 3 other fields (sepal_width, petal_length, petal_width, species) | High correlation |
| sepal_width is highly correlated with sepal_length and 3 other fields (sepal_length, petal_length, petal_width, species) | High correlation |
| petal_length is highly correlated with sepal_length and 3 other fields (sepal_length, sepal_width, petal_width, species) | High correlation |
| petal_width is highly correlated with sepal_length and 3 other fields (sepal_length, sepal_width, petal_length, species) | High correlation |
| species is highly correlated with sepal_length and 3 other fields (sepal_length, sepal_width, petal_length, petal_width) | High correlation |
| species is uniformly distributed | Uniform |

Reproduction

| | |
|------------------------|--|
| Analysis started | 2022-09-25 10:40:18.942690 |
| Analysis finished | 2022-09-25 10:40:25.282747 |
| Duration | 6.34 seconds |
| Software version | pandas-profiling v3.1.0 (https://github.com/pandas-profiling/pandas-profiling) |
| Download configuration | config.json (data:text/plain;charset=utf-8,%7B%22title%22%3A%20%22Pandas%20Profiling%20Report%22%2C%20%22dataset%22%3A%20%7B%22description%22%3A%20%22%22%2C%20%22report%22%3A%20%22%22%2C%20%22options%22%3A%20%7B%22display%22%3A%20%22table%22%2C%20%22font_size%22%3A%20%2210%22%2C%20%22font_weight%22%3A%20%22normal%22%2C%20%22font_color%22%3A%20%22black%22%2C%20%22font_family%22%3A%20%22sans-serif%22%2C%20%22font_style%22%3A%20%22normal%22%2C%20%22font_size_sm%22%3A%20%228%22%2C%20%22font_size_lg%22%3A%20%2212%22%2C%20%22font_weight_sm%22%3A%20%22normal%22%2C%20%22font_weight_lg%22%3A%20%22bold%22%2C%20%22font_color_sm%22%3A%20%22black%22%2C%20%22font_color_lg%22%3A%20%22black%22%2C%20%22font_family_sm%22%3A%20%22sans-serif%22%2C%20%22font_family_lg%22%3A%20%22sans-serif%22%2C%20%22font_style_sm%22%3A%20%22normal%22%2C%20%22font_style_lg%22%3A%20%22normal%22%2C%20%22font_size_sm_sm%22%3A%20%226%22%2C%20%22font_size_sm_lg%22%3A%20%228%22%2C%20%22font_size_lg_sm%22%3A%20%2210%22%2C%20%22font_size_lg_lg%22%3A%20%2212%22%2C%20%22font_weight_sm_sm%22%3A%20%22normal%22%2C%20%22font_weight_sm_lg%22%3A%20%22normal%22%2C%20%22font_weight_lg_sm%22%3A%20%22bold%22%2C%20%22font_weight_lg_lg%22%3A%20%22bold%22%2C%20%22font_color_sm_sm%22%3A%20%22black%22%2C%20%22font_color_sm_lg%22%3A%20%22black%22%2C%20%22font_color_lg_sm%22%3A%20%22black%22%2C%20%22font_color_lg_lg%22%3A%20%22black%22%2C%20%22font_family_sm_sm%22%3A%20%22sans-serif%22%2C%20%22font_family_sm_lg%22%3A%20%22sans-serif%22%2C%20%22font_family_lg_sm%22%3A%20%22sans-serif%22%2C%20%22font_family_lg_lg%22%3A%20%22sans-serif%22%2C%20%22font_style_sm_sm%22%3A%20%22normal%22%2C%20%22font_style_sm_lg%22%3A%20%22normal%22%2C%20%22font_style_lg_sm%22%3A%20%22normal%22%2C%20%22font_style_lg_lg%22%3A%20%22normal%22%2C%20%22font_size_sm_sm_sm%22%3A%20%224%22%2C%20%22font_size_sm_sm_lg%22%3A%20%226%22%2C%20%22font_size_sm_lg_sm%22%3A%20%228%22%2C%20%22font_size_sm_lg_lg%22%3A%20%2210%22%2C%20%22font_size_lg_sm_sm%22%3A%20%226%22%2C%20%22font_size_lg_sm_lg%22%3A%20%228%22%2C%20%22font_size_lg_lg_sm%22%3A%20%2210%22%2C%20%22font_size_lg_lg_lg%22%3A%20%2212%22%2C%20%22font_weight_sm_sm_sm%22%3A%20%22normal%22%2C%20%22font_weight_sm_sm_lg%22%3A%20%22normal%22%2C%20%22font_weight_sm_lg_sm%22%3A%20%22normal%22%2C%20%22font_weight_sm_lg_lg%22%3A%20%22normal%22%2C%20%22font_weight_lg_sm_sm%22%3A%20%22bold%22%2C%20%22font_weight_lg_sm_lg%22%3A%20%22bold%22%2C%20%22font_weight_lg_lg_sm%22%3A%20%22bold%22%2C%20%22font_weight_lg_lg_lg%22%3A%20%22bold%22%2C%20%22font_color_sm_sm_sm%22%3A%20%22black%22%2C%20%22font_color_sm_sm_lg%22%3A%20%22black%22%2C%20%22font_color_sm_lg_sm%22%3A%20%22black%22%2C%20%22font_color_sm_lg_lg%22%3A%20%22black%22%2C%20%22font_color_lg_sm_sm%22%3A%20%22black%22%2C%20%22font_color_lg_sm_lg%22%3A%20%22black%22%2C%20%22font_color_lg_lg_sm%22%3A%20%22black%22%2C%20%22font_color_lg_lg_lg%22%3A%20%22black%22%2C%20%22font_family_sm_sm_sm%22%3A%20%22sans-serif%22%2C%20%22font_family_sm_sm_lg%22%3A%20%22sans-serif%22%2C%20%22font_family_sm_lg_sm%22%3A%20%22sans-serif%22%2C%20%22font_family_sm_lg_lg%22%3A%20%22sans-serif%22%2C%20%22font_family_lg_sm_sm%22%3A%20%22sans-serif%22%2C%20%22font_family_lg_sm_lg%22%3A%20%22sans-serif%22%2C%20%22font_family_lg_lg_sm%22%3A%20%22sans-serif%22%2C%20%22font_family_lg_lg_lg%22%3A%20%22sans-serif%22%2C%20%22font_style_sm_sm_sm%22%3A%20%22normal%22%2C%20%22font_style_sm_sm_lg%22%3A%20%22normal%22%2C%20%22font_style_sm_lg_sm%22%3A%20%22normal%22%2C%20%22font_style_sm_lg_lg%22%3A%20%22normal%22%2C%20%22font_style_lg_sm_sm%22%3A%20%22normal%22%2C%20%22font_style_lg_sm_lg%22%3A%20%22normal%22%2C%20%22font_style_lg_lg_sm%22%3A%20%22normal%22%2C%20%22font_style_lg_lg_lg%22%3A%20%22normal%22%2C%20%22font_size_sm_sm_sm_sm%22%3A%20%223%22%2C%20%22font_size_sm_sm_sm_lg%22%3A%20%224%22%2C%20%22font_size_sm_sm_lg_sm%22%3A%20%225%22%2C%20%22font_size_sm_sm_lg_lg%22%3A%20%226%22%2C%20%22font_size_sm_lg_sm_sm%22%3A%20%224%22%2C%20%22font_size_sm_lg_sm_lg%22%3A%20%225%22%2C%20%22font_size_sm_lg_lg_sm%22%3A%20%226%22%2C%20%22font_size_sm_lg_lg_lg%22%3A%20%227%22%2C%20%22font_size_lg_sm_sm_sm%22%3A%20%224%22%2C%20%22font_size_lg_sm_sm_lg%22%3A%20%225%22%2C%20%22font_size_lg_sm_lg_sm%22%3A%20%226%22%2C%20%22font_size_lg_sm_lg_lg%22%3A%20%227%22%2C%20%22font_size_lg_lg_sm_sm%22%3A%20%225%22%2C%20%22font_size_lg_lg_sm_lg%22%3A%20%226%22%2C%20%22font_size_lg_lg_lg_sm%22%3A%20%227%22%2C%20%22font_size_lg_lg_lg_lg%22%3A%20%228%22%2C%20%22font_weight_sm_sm_sm_sm%22%3A%20%22normal%22%2C%20%22font_weight_sm_sm_sm_lg%22%3A%20%22normal%22%2C%20%22font_weight_sm_sm_lg_sm%22%3A%20%22normal%22%2C%20%22font_weight_sm_sm_lg_lg%22%3A%20%22normal%22%2C%20%22font_weight_sm_lg_sm_sm%22%3A%20%22bold%22%2C%20%22font_weight_sm_lg_sm_lg%22%3A%20%22bold%22%2C%20%22font_weight_sm_lg_lg_sm%22%3A%20%22bold%22%2C%20%22font_weight_sm_lg_lg_lg%22%3A%20%22bold%22%2C%20%22font_weight_lg_sm_sm_sm%22%3A%20%22bold%22%2C%20%22font_weight_lg_sm_sm_lg%22%3A%20%22bold%22%2C%20%22font_weight_lg_sm_lg_sm%22%3A%20%22bold%22%2C%20%22font_weight_lg_sm_lg_lg%22%3A%20%22bold%22%2C%20%22font_weight_lg_lg_sm_sm%22%3A%20%22bold%22%2C%20%22font_weight_lg_lg_sm_lg%22%3A%20%22bold%22%2C%20%22font_weight_lg_lg_lg_sm%22%3A%20%22bold%22%2C%20%22font_weight_lg_lg_lg_lg%22%3A%20%22bold%22%2C%20%22font_color_sm_sm_sm_sm%22%3A%20%22black%22%2C%20%22font_color_sm_sm_sm_lg%22%3A%20%22black%22%2C%20%22font_color_sm_sm_lg_sm%22%3A%20%22black%22%2C%20%22font_color_sm_sm_lg_lg%22%3A%20%22black%22%2C%20%22font_color_sm_lg_sm_sm%22%3A%20%22black%22%2C%20%22font_color_sm_lg_sm_lg%22%3A%20%22black%22%2C%20%22font_color_sm_lg_lg_sm%22%3A%20%22black%22%2C%20%22font_color_sm_lg_lg_lg%22%3A%20%22black%22%2C%20%22font_color_lg_sm_sm_sm%22%3A%20%22black%22%2C%20%22font_color_lg_sm_sm_lg%22%3A%20%22black%22%2C%20%22font_color_lg_sm_lg_sm%22%3A%20%22black%22%2C%20%22font_color_lg_sm_lg_lg%22%3A%20%22black%22%2C%20%22font_color_lg_lg_sm_sm%22% |

Variables

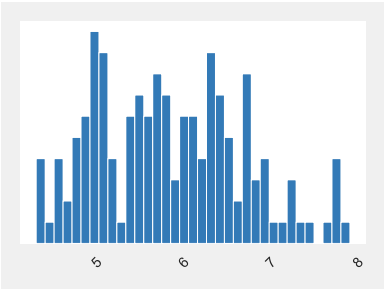
sepal_length

Real number ($\mathbb{R}_{\geq 0}$)

HIGH

CORRELATION (This variable has a high correlation with 2 fields: petal length, petal width)
HIGH CORRELATION (This variable has a high correlation with 2 fields: petal length, petal width)
HIGH CORRELATION (This variable has a high correlation with 2 fields: petal length, petal width)
HIGH CORRELATION (This variable has a high correlation with 4 fields: sepal width, petal length, petal width, species)

| | |
|--------------|-------------|
| Distinct | 35 |
| Distinct (%) | 23.3% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 5.843333333 |
| Minimum | 4.3 |
| Maximum | 7.9 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 KiB |



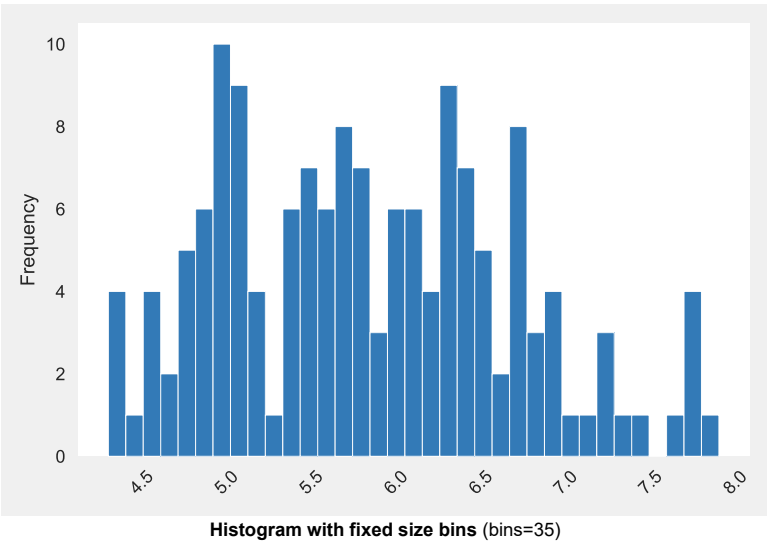
Quantile statistics

| | |
|---------------------------|-------|
| Minimum | 4.3 |
| 5-th percentile | 4.6 |
| Q1 | 5.1 |
| median | 5.8 |
| Q3 | 6.4 |
| 95-th percentile | 7.255 |
| Maximum | 7.9 |
| Range | 3.6 |
| Interquartile range (IQR) | 1.3 |

Descriptive statistics

| | |
|--------------------|-------------|
| Standard deviation | 0.828066128 |
|--------------------|-------------|

| | |
|---------------------------------|---------------|
| Coefficient of variation (CV) | 0.1417112598 |
| Kurtosis | -0.5520640413 |
| Mean | 5.843333333 |
| Median Absolute Deviation (MAD) | 0.7 |
| Skewness | 0.3149109566 |
| Sum | 876.5 |
| Variance | 0.6856935123 |
| Monotonicity | Not monotonic |



| Value | Count | Frequency (%) |
|-------------------|-------|---------------|
| 5 | 10 | 6.7% |
| 5.1 | 9 | 6.0% |
| 6.3 | 9 | 6.0% |
| 5.7 | 8 | 5.3% |
| 6.7 | 8 | 5.3% |
| 5.8 | 7 | 4.7% |
| 5.5 | 7 | 4.7% |
| 6.4 | 7 | 4.7% |
| 4.9 | 6 | 4.0% |
| 5.4 | 6 | 4.0% |
| Other values (25) | 73 | 48.7% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 4.3 | 1 | 0.7% |
| 4.4 | 3 | 2.0% |
| 4.5 | 1 | 0.7% |
| 4.6 | 4 | 2.7% |
| 4.7 | 2 | 1.3% |
| 4.8 | 5 | 3.3% |
| 4.9 | 6 | 4.0% |
| 5 | 10 | 6.7% |
| 5.1 | 9 | 6.0% |
| 5.2 | 4 | 2.7% |

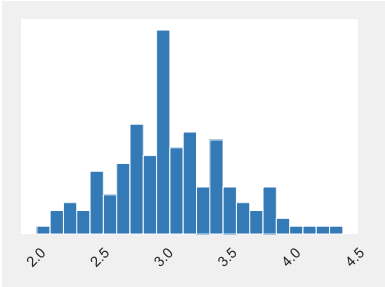
| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 7.9 | 1 | 0.7% |
| 7.7 | 4 | 2.7% |
| 7.6 | 1 | 0.7% |
| 7.4 | 1 | 0.7% |
| 7.3 | 1 | 0.7% |
| 7.2 | 3 | 2.0% |
| 7.1 | 1 | 0.7% |
| 7 | 1 | 0.7% |
| 6.9 | 4 | 2.7% |
| 6.8 | 3 | 2.0% |

sepal_width
Real number ($\mathbb{R}_{\geq 0}$)

HIGH

CORRELATION (This variable has a high correlation with 4 fields: sepal length, petal length, petal width, species)

| | |
|--------------|-------------|
| Distinct | 23 |
| Distinct (%) | 15.3% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 3.057333333 |
| Minimum | 2 |
| Maximum | 4.4 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 KiB |



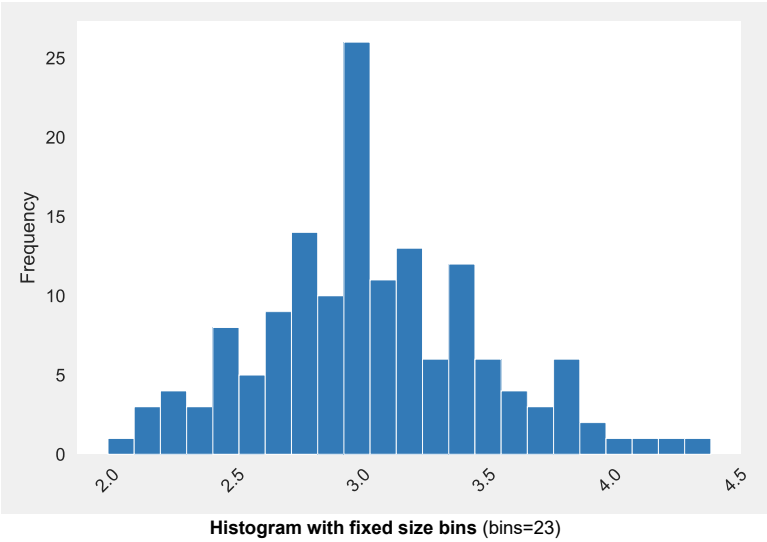
Quantile statistics

| | |
|---------------------------|-------|
| Minimum | 2 |
| 5-th percentile | 2.345 |
| Q1 | 2.8 |
| median | 3 |
| Q3 | 3.3 |
| 95-th percentile | 3.8 |
| Maximum | 4.4 |
| Range | 2.4 |
| Interquartile range (IQR) | 0.5 |

Descriptive statistics

| | |
|---------------------------------|--------------|
| Standard deviation | 0.4358662849 |
| Coefficient of variation (CV) | 0.1425642014 |
| Kurtosis | 0.2282490425 |
| Mean | 3.057333333 |
| Median Absolute Deviation (MAD) | 0.3 |
| Skewness | 0.3189656647 |

| | |
|--------------|---------------|
| Sum | 458.6 |
| Variance | 0.1899794183 |
| Monotonicity | Not monotonic |



| Value | Count | Frequency (%) |
|-------------------|-------|---------------|
| 3 | 26 | 17.3% |
| 2.8 | 14 | 9.3% |
| 3.2 | 13 | 8.7% |
| 3.4 | 12 | 8.0% |
| 3.1 | 11 | 7.3% |
| 2.9 | 10 | 6.7% |
| 2.7 | 9 | 6.0% |
| 2.5 | 8 | 5.3% |
| 3.5 | 6 | 4.0% |
| 3.3 | 6 | 4.0% |
| Other values (13) | 35 | 23.3% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 2 | 1 | 0.7% |
| 2.2 | 3 | 2.0% |
| 2.3 | 4 | 2.7% |
| 2.4 | 3 | 2.0% |
| 2.5 | 8 | 5.3% |
| 2.6 | 5 | 3.3% |
| 2.7 | 9 | 6.0% |
| 2.8 | 14 | 9.3% |
| 2.9 | 10 | 6.7% |
| 3 | 26 | 17.3% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 4.4 | 1 | 0.7% |
| 4.2 | 1 | 0.7% |
| 4.1 | 1 | 0.7% |
| 4 | 1 | 0.7% |
| 3.9 | 2 | 1.3% |
| 3.8 | 6 | 4.0% |
| 3.7 | 3 | 2.0% |
| 3.6 | 4 | 2.7% |
| 3.5 | 6 | 4.0% |
| 3.4 | 12 | 8.0% |

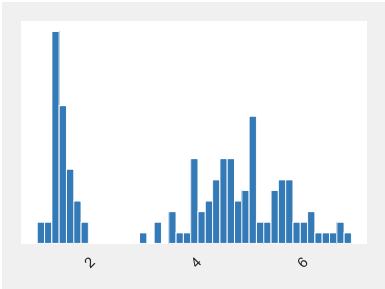
petal_length

Real number ($\mathbb{R}_{\geq 0}$)

HIGH

CORRELATION (This variable has a high correlation with 2 fields: sepal length, petal width)
HIGH CORRELATION (This variable has a high correlation with 2 fields: sepal length, petal width)
HIGH CORRELATION (This variable has a high correlation with 2 fields: sepal length, petal width)
HIGH CORRELATION (This variable has a high correlation with 4 fields: sepal length, sepal width, petal width, species)

| | |
|--------------|---------|
| Distinct | 43 |
| Distinct (%) | 28.7% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 3.758 |
| Minimum | 1 |
| Maximum | 6.9 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 KiB |



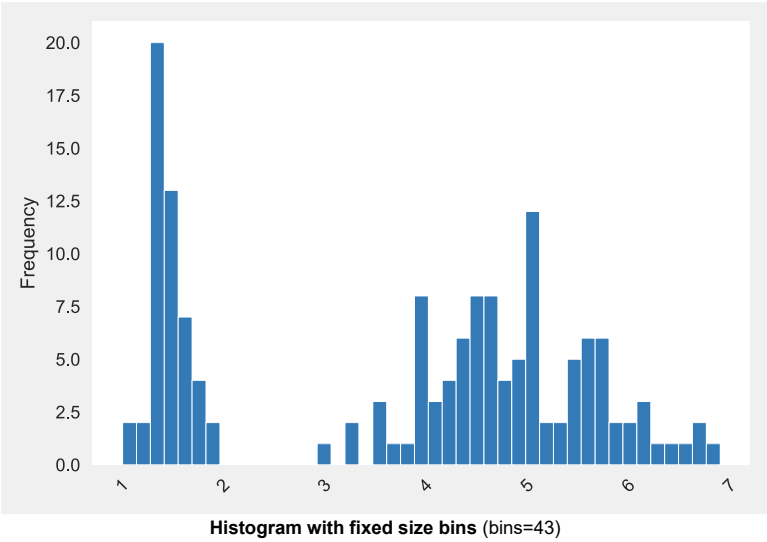
Quantile statistics

| | |
|---------------------------|------|
| Minimum | 1 |
| 5-th percentile | 1.3 |
| Q1 | 1.6 |
| median | 4.35 |
| Q3 | 5.1 |
| 95-th percentile | 6.1 |
| Maximum | 6.9 |
| Range | 5.9 |
| Interquartile range (IQR) | 3.5 |

Descriptive statistics

| | |
|-------------------------------|--------------|
| Standard deviation | 1.765298233 |
| Coefficient of variation (CV) | 0.4697440748 |
| Kurtosis | -1.402103416 |
| Mean | 3.758 |

| | |
|---------------------------------|---------------|
| Median Absolute Deviation (MAD) | 1.25 |
| Skewness | -0.2748841798 |
| Sum | 563.7 |
| Variance | 3.116277852 |
| Monotonicity | Not monotonic |



| Value | Count | Frequency (%) |
|-------------------|-------|---------------|
| 1.4 | 13 | 8.7% |
| 1.5 | 13 | 8.7% |
| 5.1 | 8 | 5.3% |
| 4.5 | 8 | 5.3% |
| 1.6 | 7 | 4.7% |
| 1.3 | 7 | 4.7% |
| 5.6 | 6 | 4.0% |
| 4.7 | 5 | 3.3% |
| 4.9 | 5 | 3.3% |
| 4 | 5 | 3.3% |
| Other values (33) | 73 | 48.7% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1 | 1 | 0.7% |
| 1.1 | 1 | 0.7% |
| 1.2 | 2 | 1.3% |
| 1.3 | 7 | 4.7% |
| 1.4 | 13 | 8.7% |
| 1.5 | 13 | 8.7% |
| 1.6 | 7 | 4.7% |
| 1.7 | 4 | 2.7% |
| 1.9 | 2 | 1.3% |
| 3 | 1 | 0.7% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 6.9 | 1 | 0.7% |
| 6.7 | 2 | 1.3% |
| 6.6 | 1 | 0.7% |
| 6.4 | 1 | 0.7% |
| 6.3 | 1 | 0.7% |
| 6.1 | 3 | 2.0% |
| 6 | 2 | 1.3% |
| 5.9 | 2 | 1.3% |
| 5.8 | 3 | 2.0% |
| 5.7 | 3 | 2.0% |

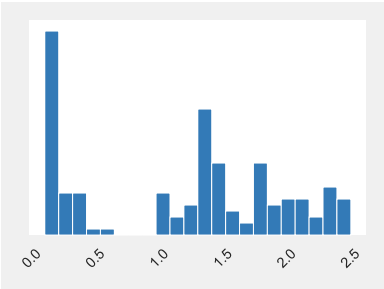
petal_width

Real number ($\mathbb{R}_{\geq 0}$)

HIGH

CORRELATION (This variable has a high correlation with 2 fields: sepal length, petal length)
HIGH CORRELATION (This variable has a high correlation with 2 fields: sepal length, petal length)
HIGH CORRELATION (This variable has a high correlation with 2 fields: sepal length, petal length)
HIGH CORRELATION (This variable has a high correlation with 4 fields: sepal length, sepal width, petal length, species)

| | |
|--------------|-------------|
| Distinct | 22 |
| Distinct (%) | 14.7% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 1.199333333 |
| Minimum | 0.1 |
| Maximum | 2.5 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 KiB |



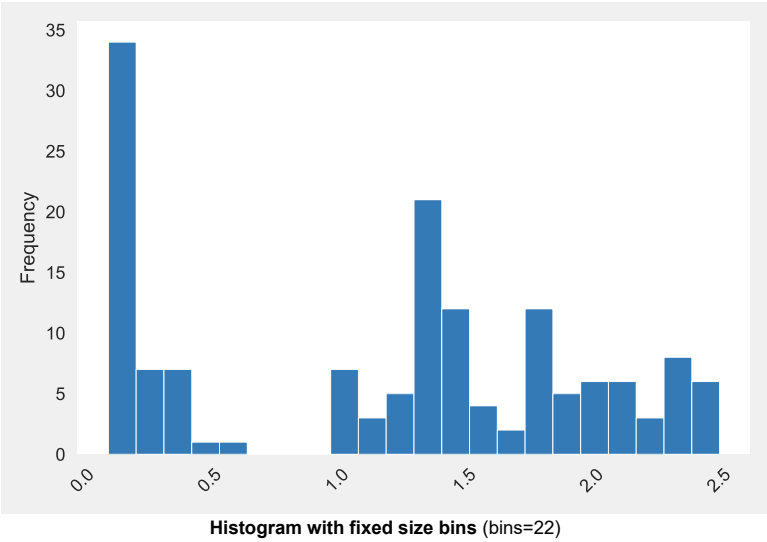
Quantile statistics

| | |
|---------------------------|-----|
| Minimum | 0.1 |
| 5-th percentile | 0.2 |
| Q1 | 0.3 |
| median | 1.3 |
| Q3 | 1.8 |
| 95-th percentile | 2.3 |
| Maximum | 2.5 |
| Range | 2.4 |
| Interquartile range (IQR) | 1.5 |

Descriptive statistics

| | |
|-------------------------------|--------------|
| Standard deviation | 0.762237669 |
| Coefficient of variation (CV) | 0.6355511414 |
| Kurtosis | -1.340603997 |
| Mean | 1.199333333 |

| | |
|---------------------------------|---------------|
| Median Absolute Deviation (MAD) | 0.7 |
| Skewness | -0.1029667476 |
| Sum | 179.9 |
| Variance | 0.581006264 |
| Monotonicity | Not monotonic |



| Value | Count | Frequency (%) |
|-------------------|-------|---------------|
| 0.2 | 29 | 19.3% |
| 1.3 | 13 | 8.7% |
| 1.8 | 12 | 8.0% |
| 1.5 | 12 | 8.0% |
| 1.4 | 8 | 5.3% |
| 2.3 | 8 | 5.3% |
| 1 | 7 | 4.7% |
| 0.4 | 7 | 4.7% |
| 0.3 | 7 | 4.7% |
| 2.1 | 6 | 4.0% |
| Other values (12) | 41 | 27.3% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 0.1 | 5 | 3.3% |
| 0.2 | 29 | 19.3% |
| 0.3 | 7 | 4.7% |
| 0.4 | 7 | 4.7% |
| 0.5 | 1 | 0.7% |
| 0.6 | 1 | 0.7% |
| 1 | 7 | 4.7% |
| 1.1 | 3 | 2.0% |
| 1.2 | 5 | 3.3% |
| 1.3 | 13 | 8.7% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 2.5 | 3 | 2.0% |
| 2.4 | 3 | 2.0% |
| 2.3 | 8 | 5.3% |
| 2.2 | 3 | 2.0% |
| 2.1 | 6 | 4.0% |
| 2 | 6 | 4.0% |
| 1.9 | 5 | 3.3% |
| 1.8 | 12 | 8.0% |
| 1.7 | 2 | 1.3% |
| 1.6 | 4 | 2.7% |

species

Categorical

HIGH

CORRELATION (This variable has a high correlation with 4 fields: sepal length, sepal width, petal length, petal width)
UNIFORM

| | |
|--------------|---------|
| Distinct | 3 |
| Distinct (%) | 2.0% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Memory size | 1.3 KiB |

Length

| | |
|---------------|-------------|
| Max length | 10 |
| Median length | 9 |
| Mean length | 8.333333333 |
| Min length | 6 |

Characters and Unicode

| | | |
|---------------------|---|---|
| Total characters | 0 | |
| Distinct characters | 0 | |
| Distinct categories | 0 (https://en.wikipedia.org/wiki/Unicode_character_property#General_Category) | ? |
| Distinct scripts | 0 (https://en.wikipedia.org/wiki/Script_(Unicode)#List_of_scripts_in_Unicode) | ? |
| Distinct blocks | 0 (https://en.wikipedia.org/wiki/Unicode_block) | ? |

The Unicode Standard assigns character properties to each code point, which can be used to analyse textual variables.

Unique

| | | |
|------------|------|---|
| Unique | 0 | ? |
| Unique (%) | 0.0% | |

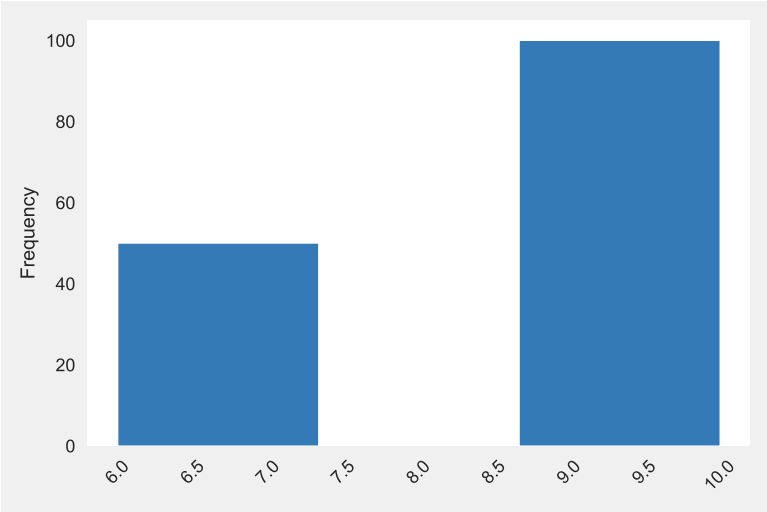
Sample

| | |
|---------|--------|
| 1st row | setosa |
| 2nd row | setosa |
| 3rd row | setosa |
| 4th row | setosa |
| 5th row | setosa |

Common Values

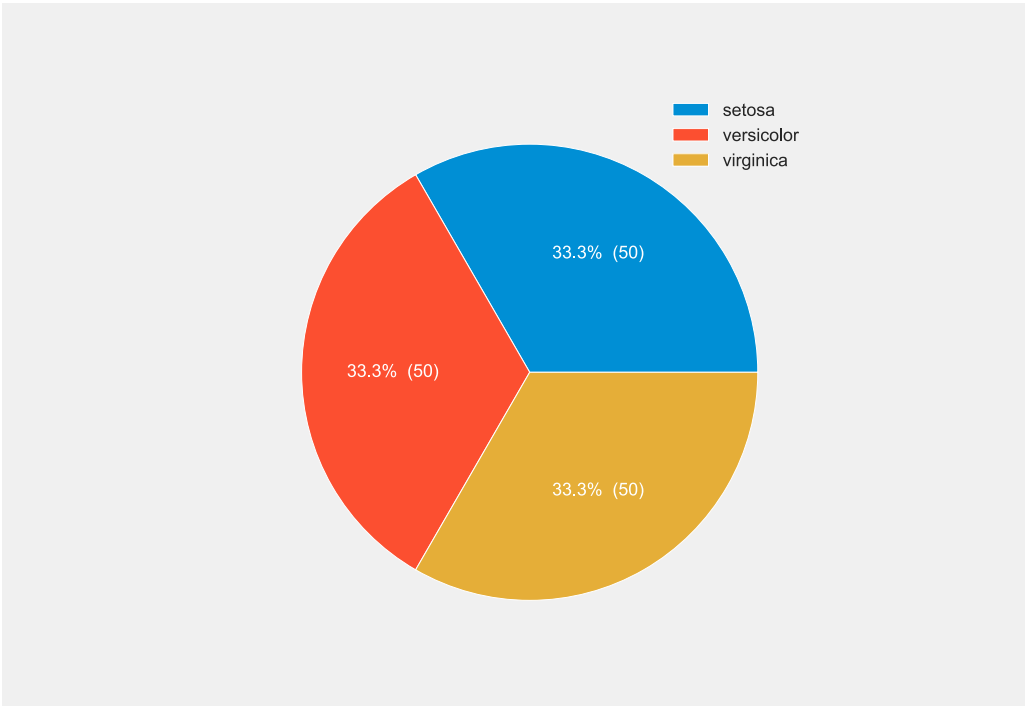
| Value | Count | Frequency (%) |
|------------|-------|---------------|
| setosa | 50 | 33.3% |
| versicolor | 50 | 33.3% |
| virginica | 50 | 33.3% |

Length



Histogram of lengths of the category

Pie chart



| Value | Count | Frequency (%) |
|------------|-------|---------------|
| setosa | 50 | 33.3% |
| versicolor | 50 | 33.3% |
| virginica | 50 | 33.3% |

Most occurring characters

| Value | Count | Frequency (%) |
|------------------|-------|---------------|
| No values found. | | |

Most occurring categories

| Value | Count | Frequency (%) |
|------------------|-------|---------------|
| No values found. | | |

Most frequent character per category

Most occurring scripts

| Value | Count | Frequency (%) |
|------------------|-------|---------------|
| No values found. | | |

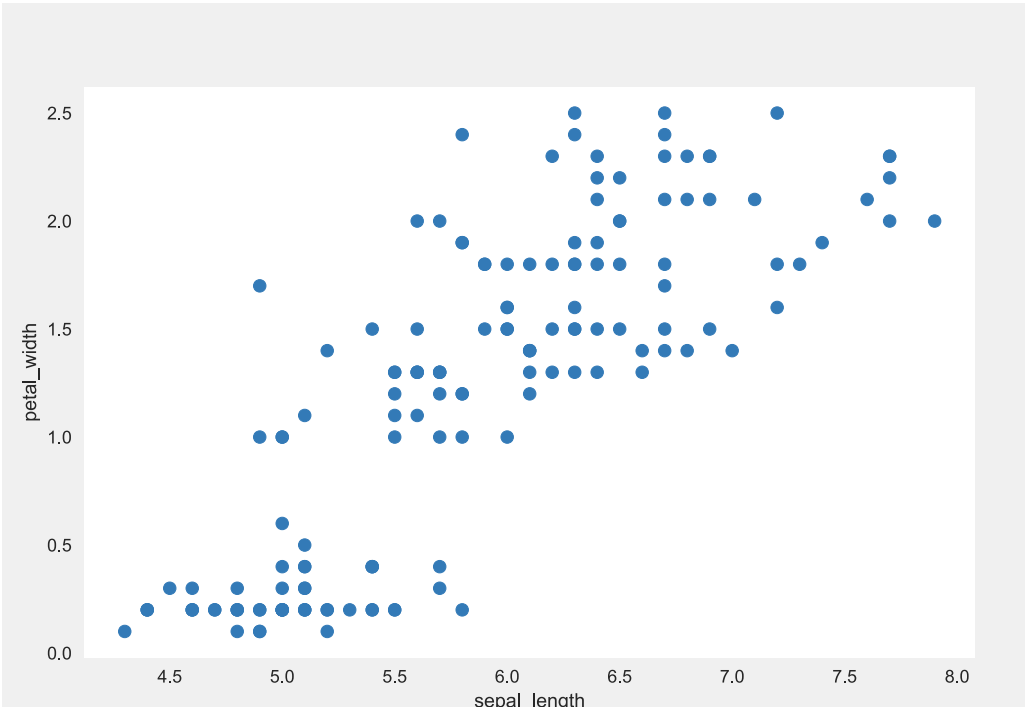
Most frequent character per script

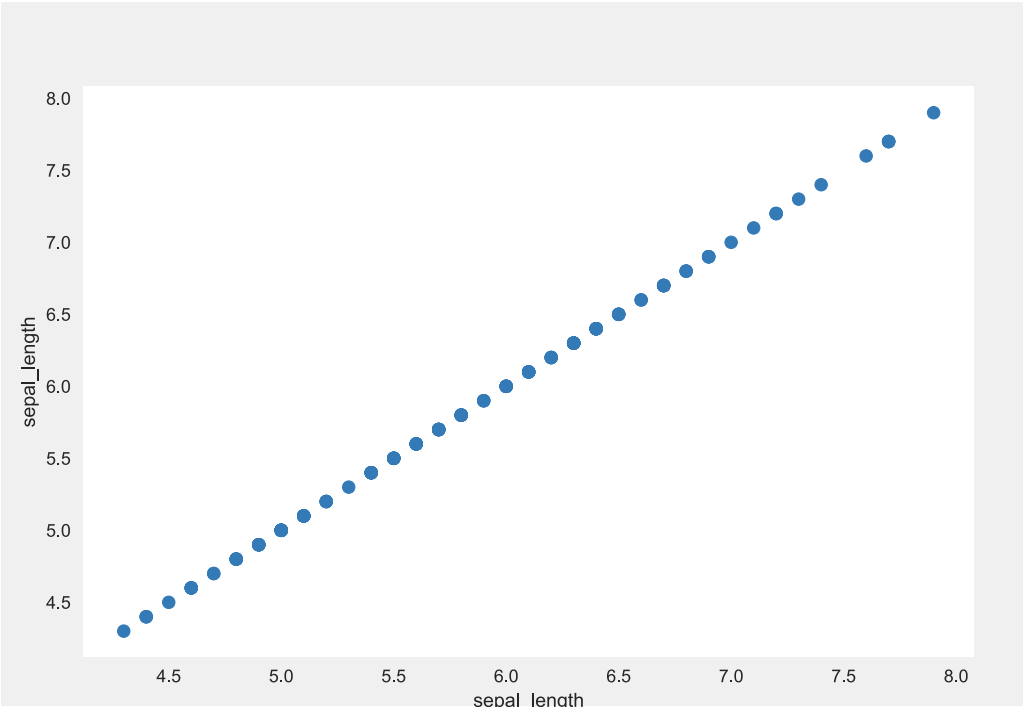
Most occurring blocks

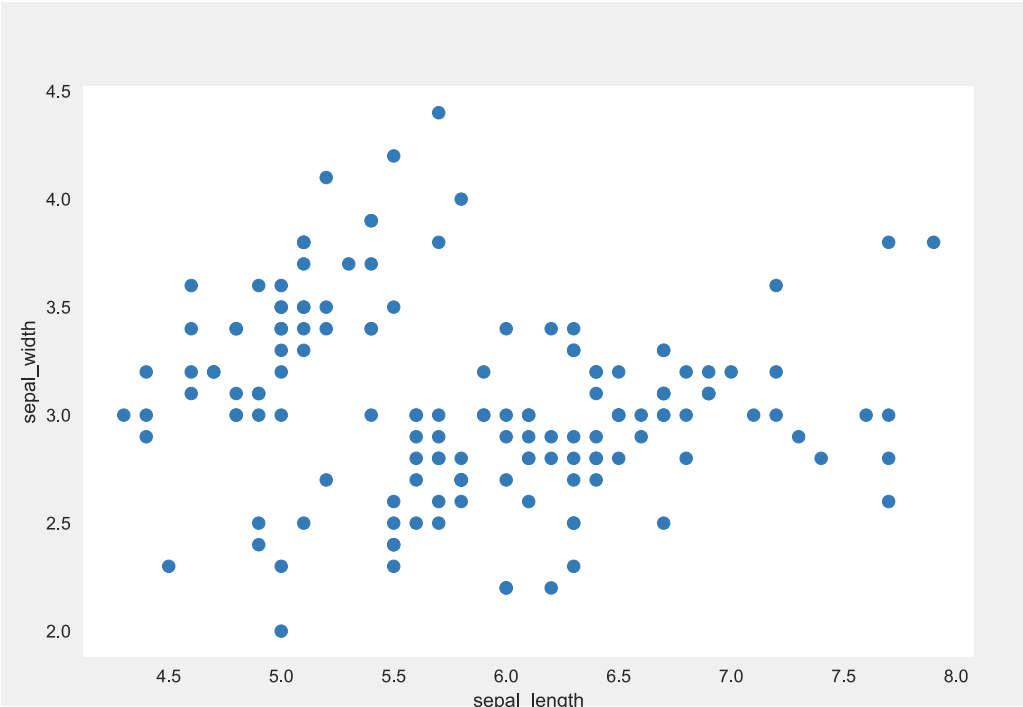
| Value | Count | Frequency (%) |
|------------------|-------|---------------|
| No values found. | | |

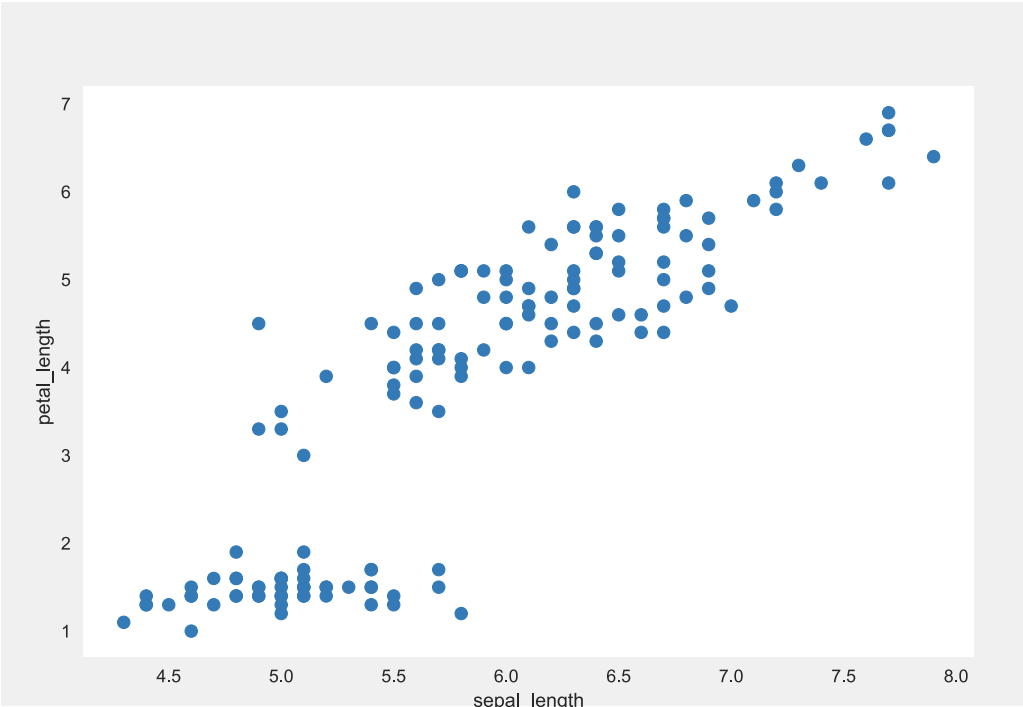
Most frequent character per block

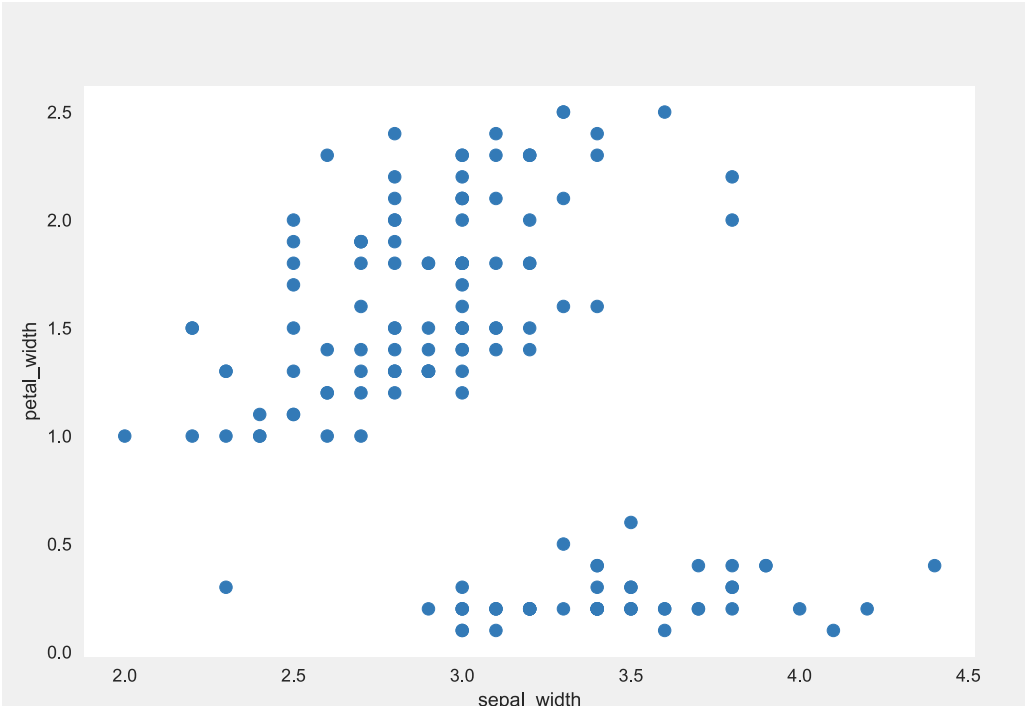
Interactions

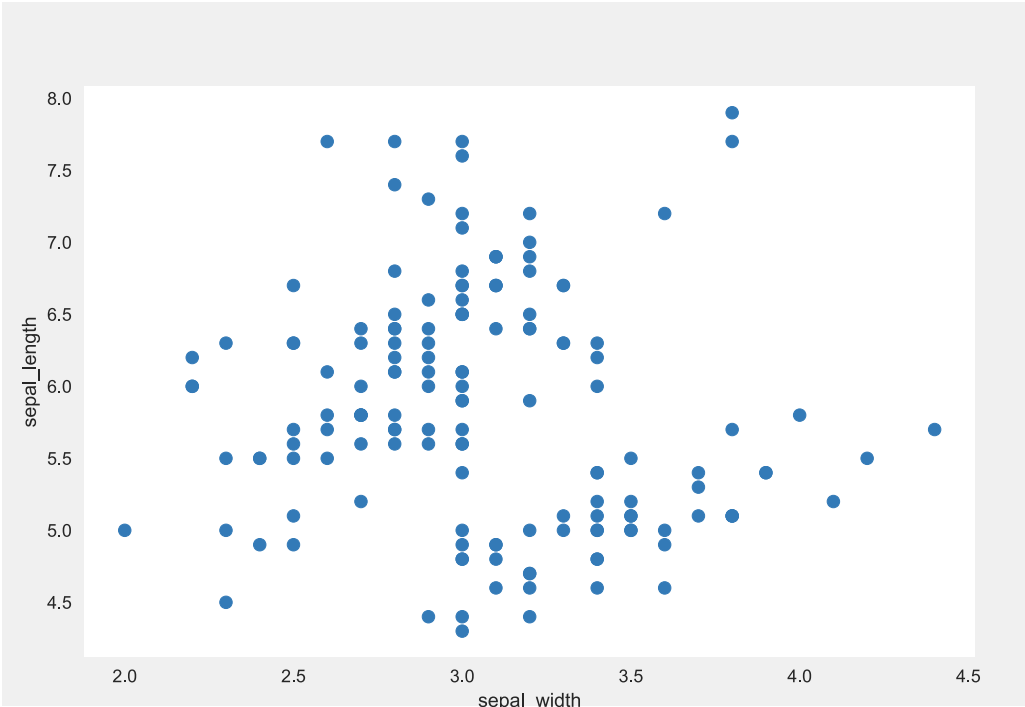


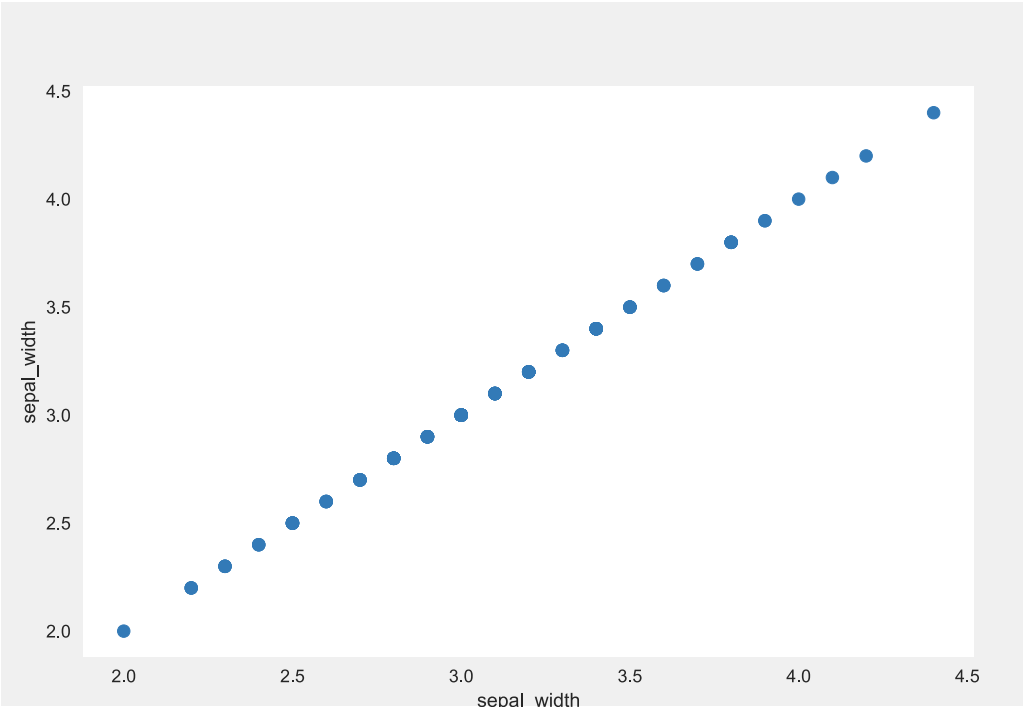


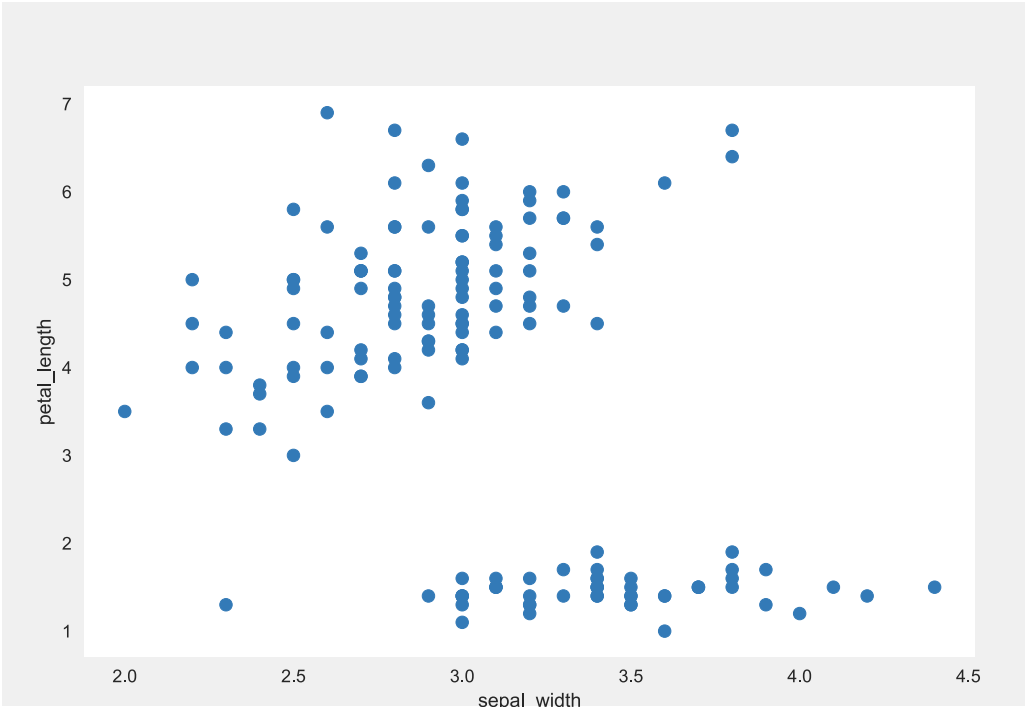


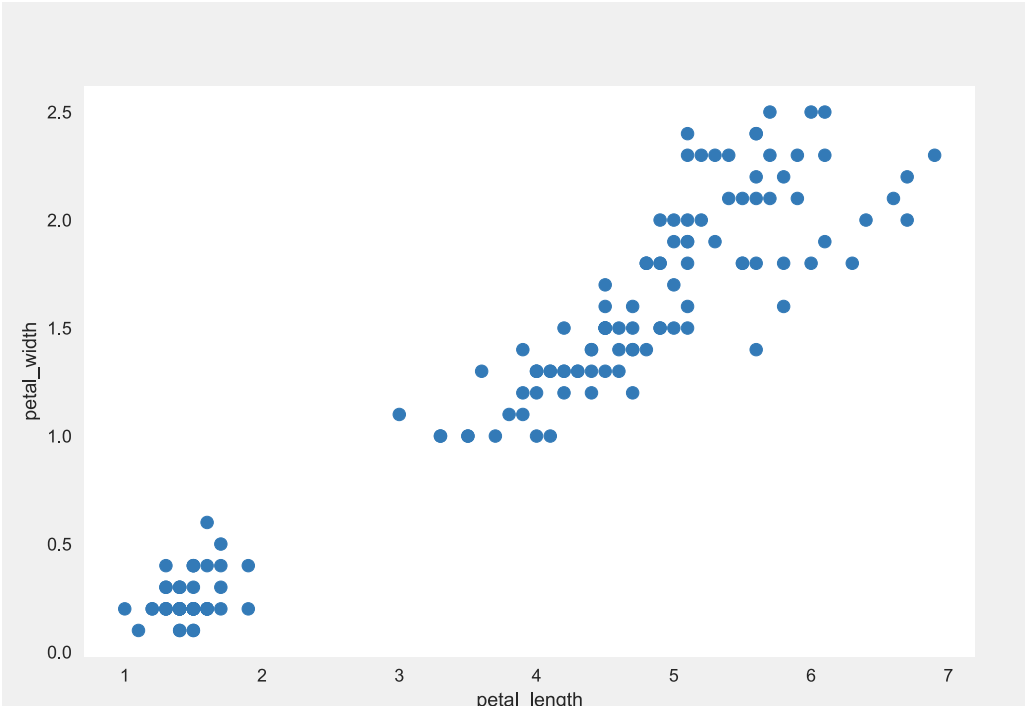


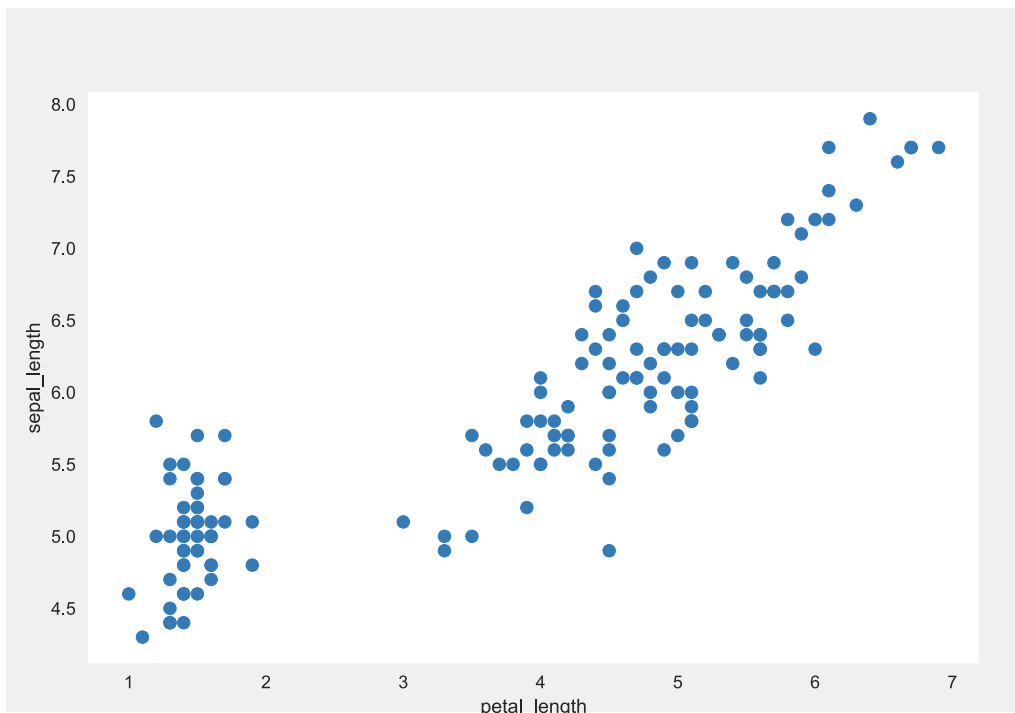


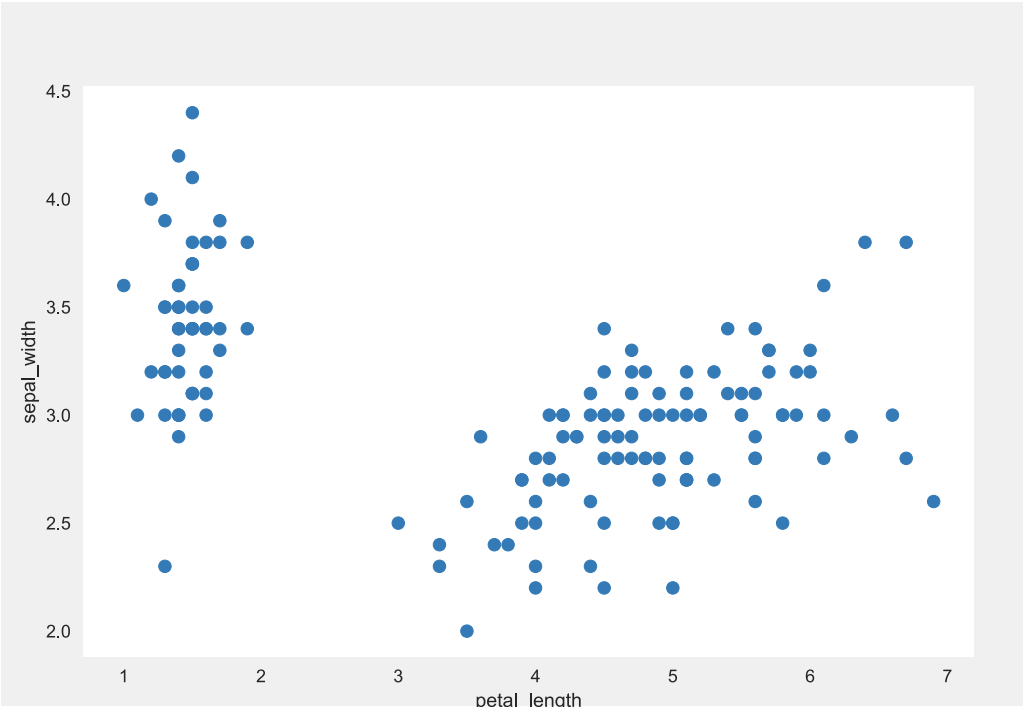


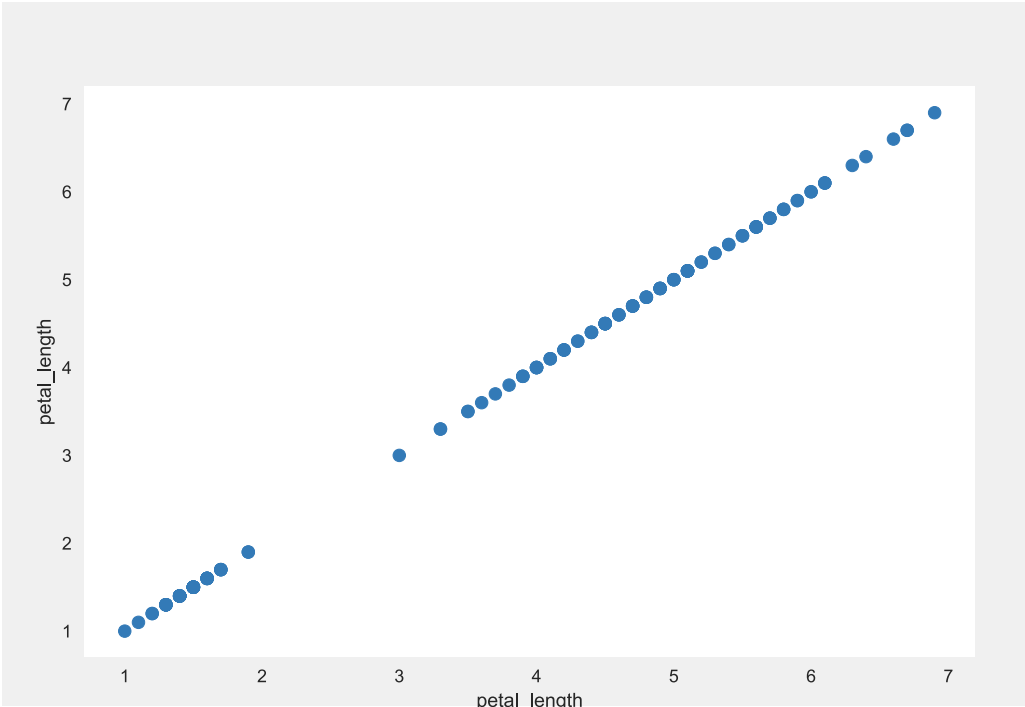


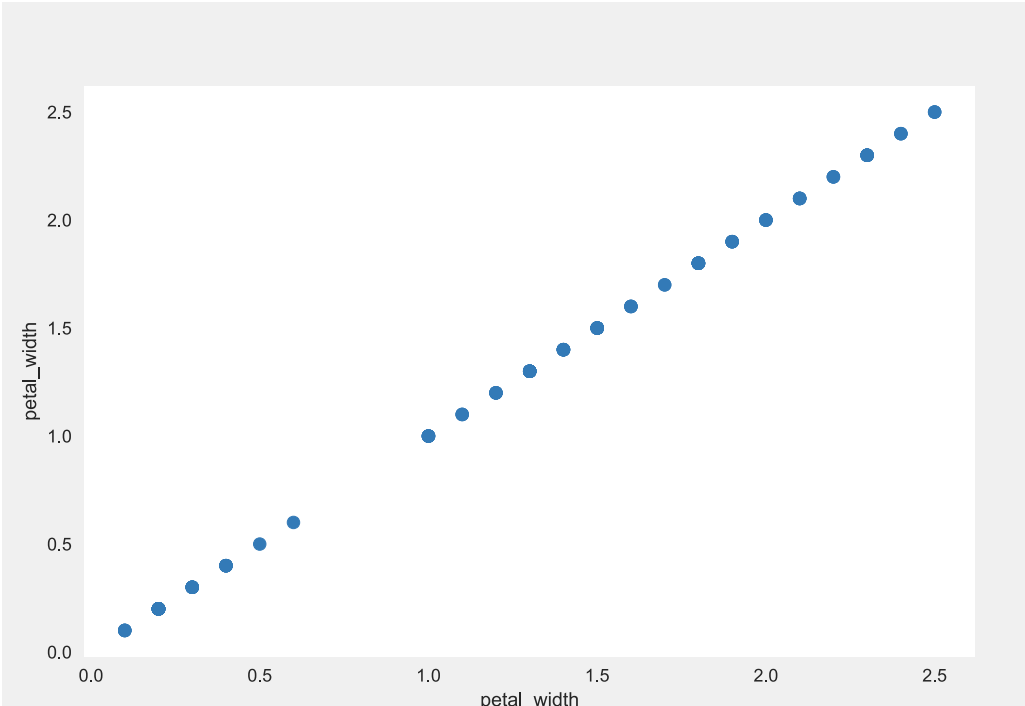


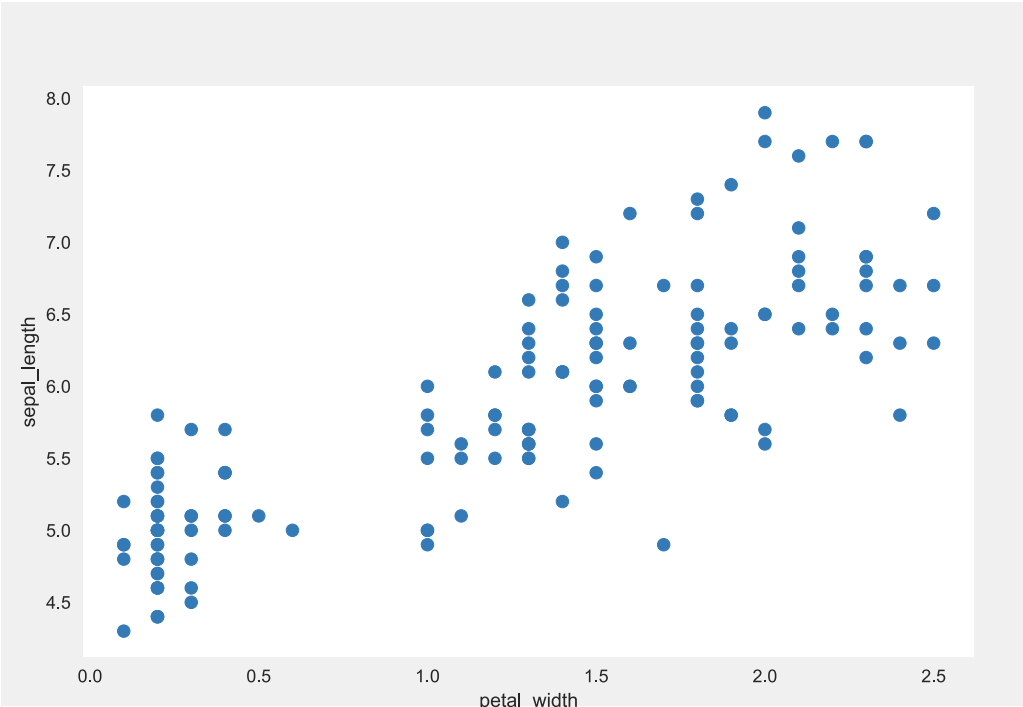


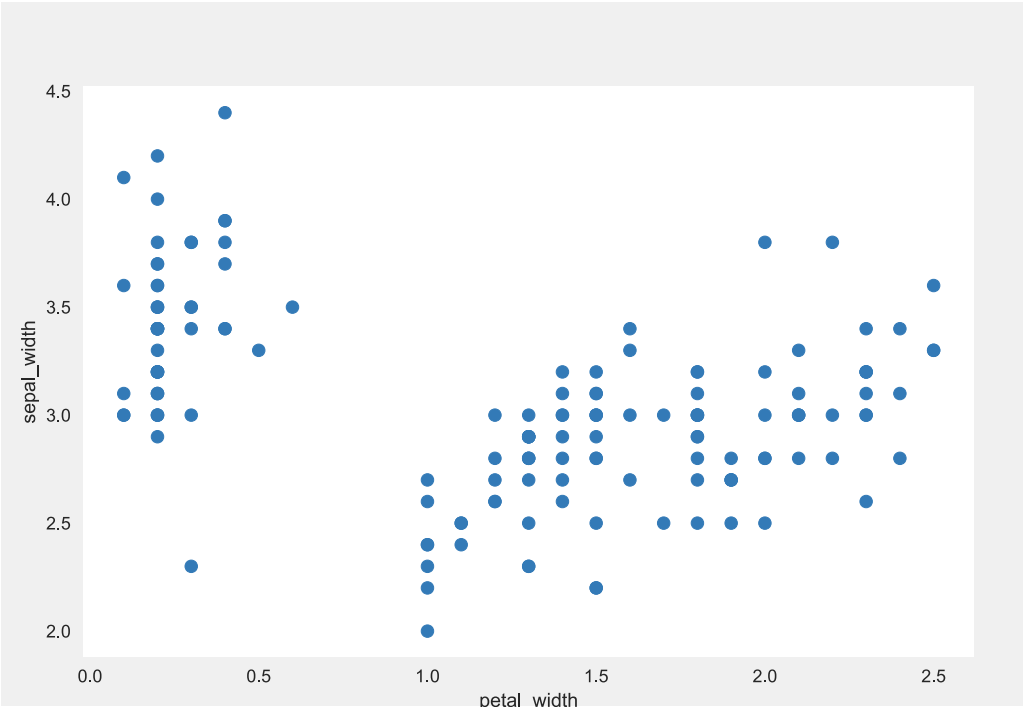


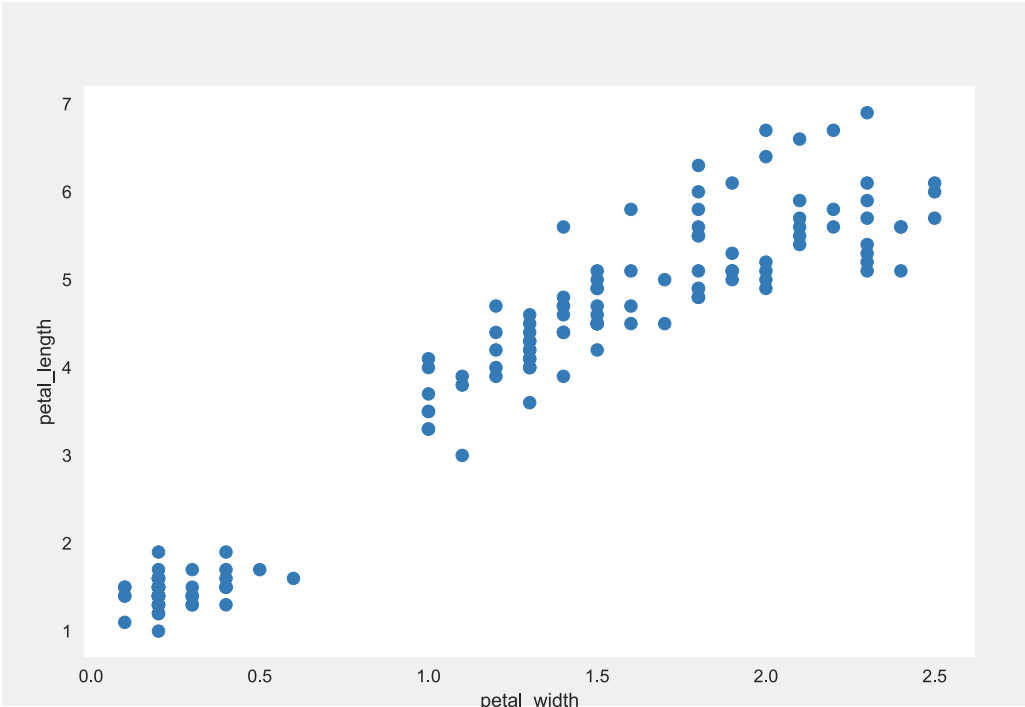




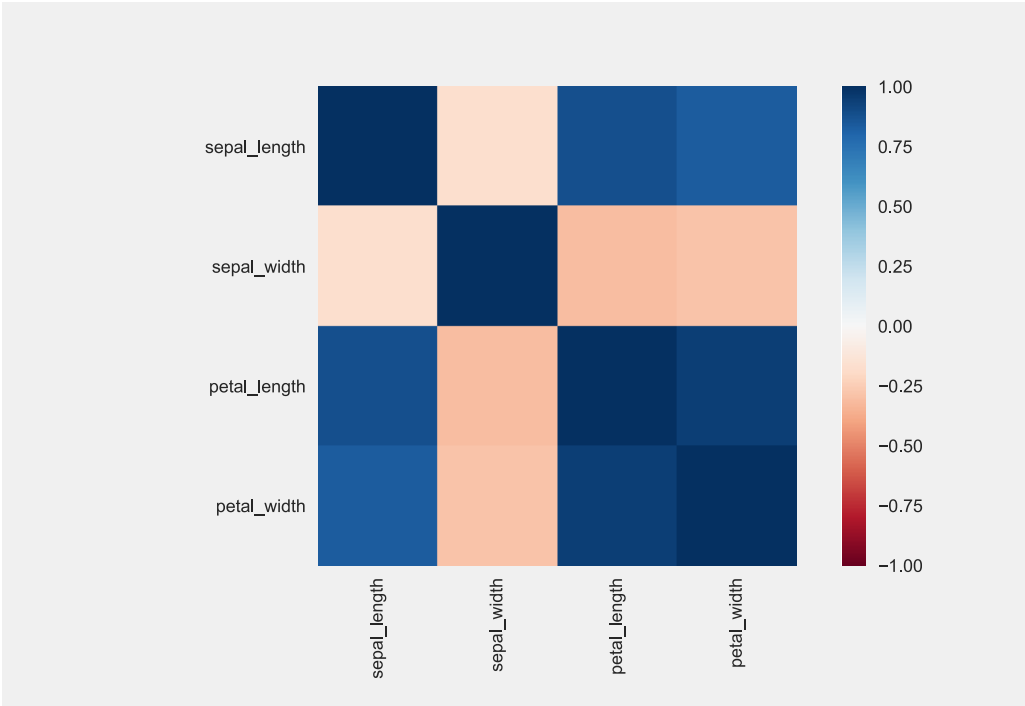


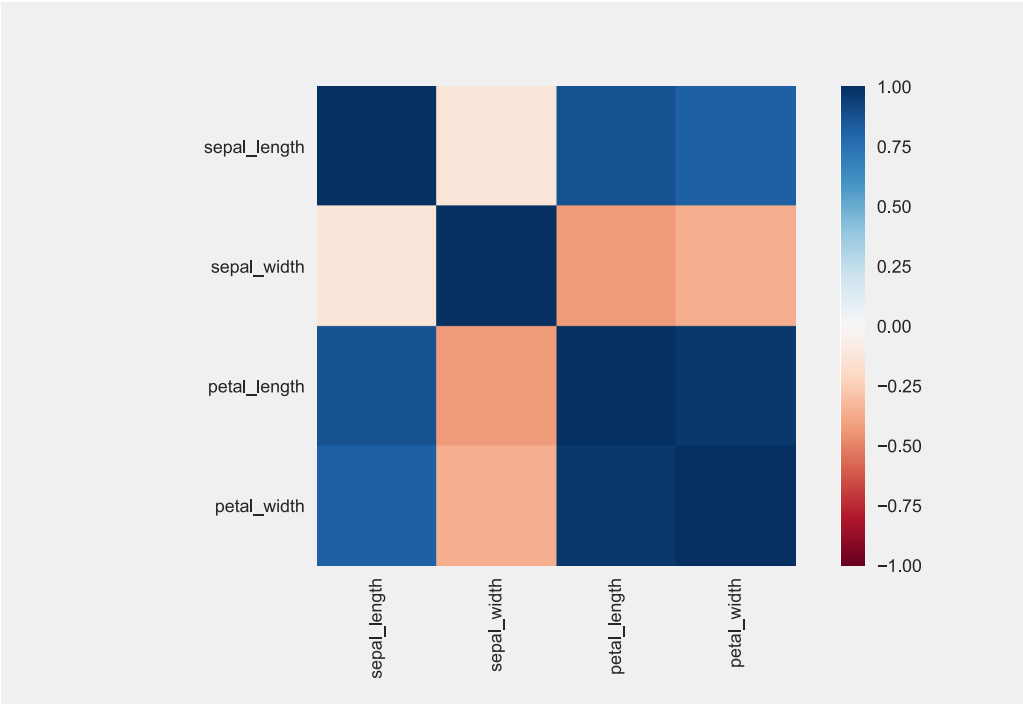


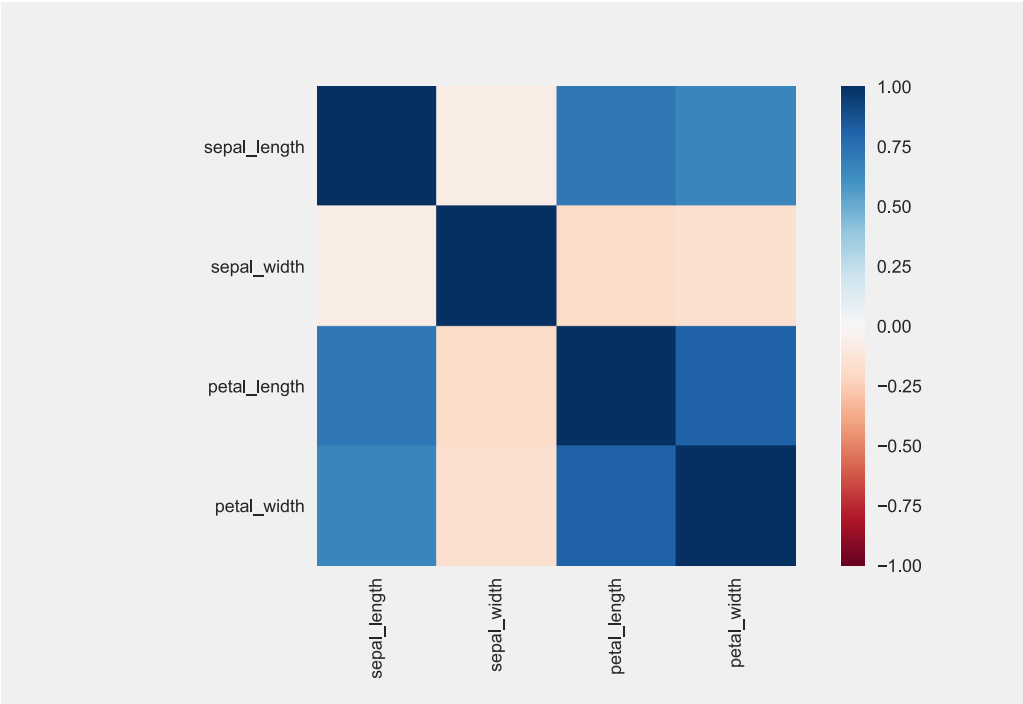


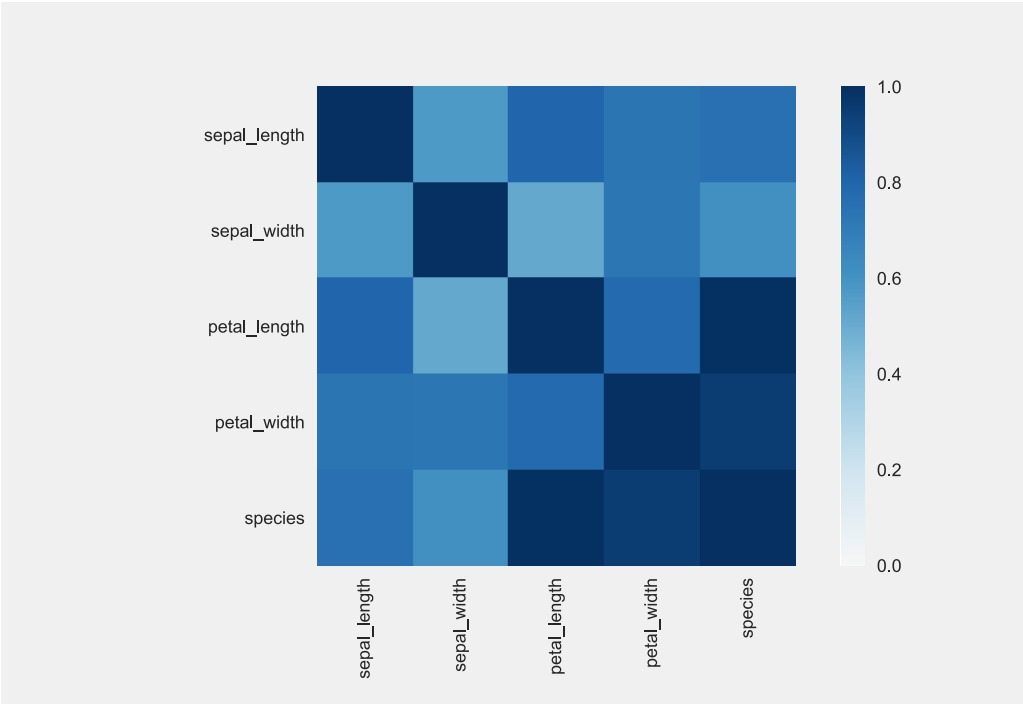


Correlations

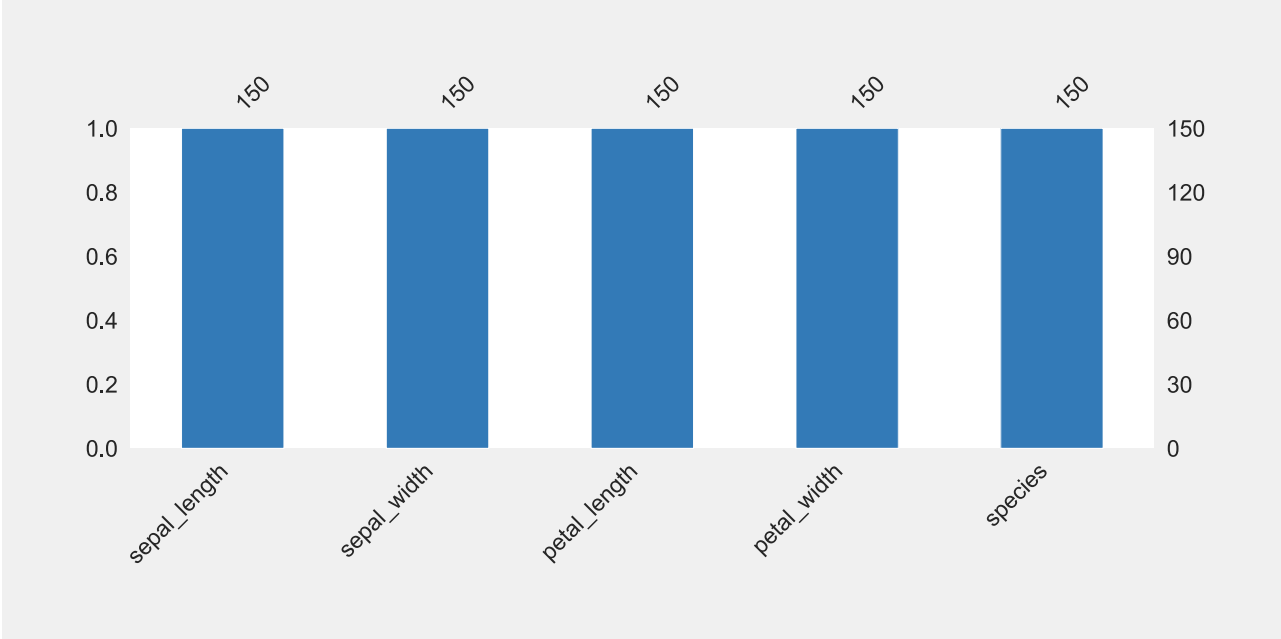




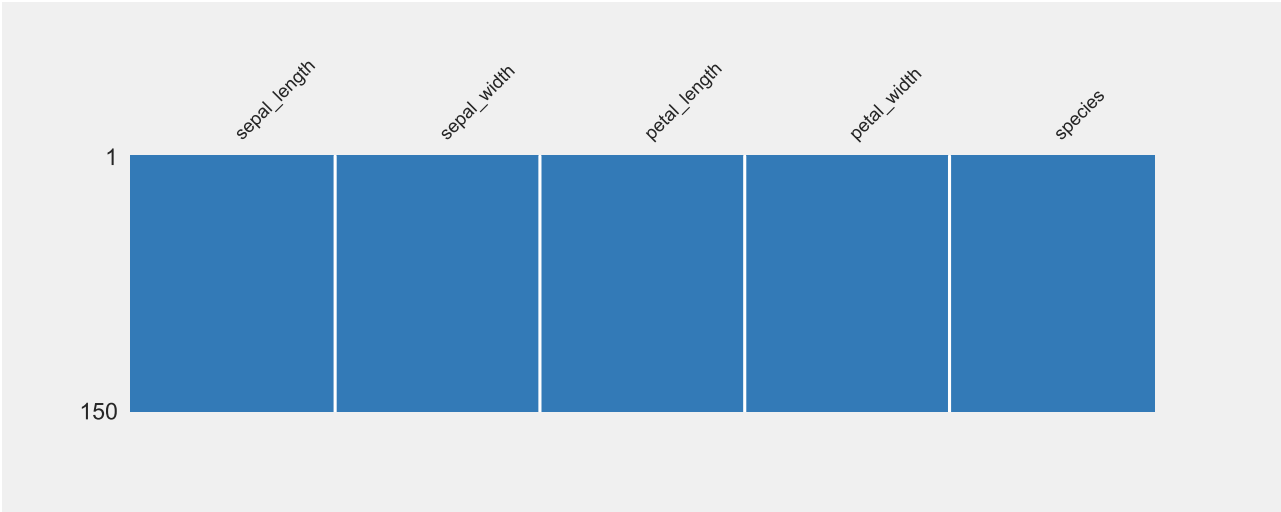




Missing values



A simple visualization of nullity by column.



Nullity matrix is a data-dense display which lets you quickly visually pick out patterns in data completion.

Sample

First rows

| | sepal_length | sepal_width | petal_length | petal_width | species |
|---|--------------|-------------|--------------|-------------|---------|
| 0 | 5.1 | 3.5 | 1.4 | 0.2 | setosa |
| 1 | 4.9 | 3.0 | 1.4 | 0.2 | setosa |
| 2 | 4.7 | 3.2 | 1.3 | 0.2 | setosa |
| 3 | 4.6 | 3.1 | 1.5 | 0.2 | setosa |
| 4 | 5.0 | 3.6 | 1.4 | 0.2 | setosa |
| 5 | 5.4 | 3.9 | 1.7 | 0.4 | setosa |
| 6 | 4.6 | 3.4 | 1.4 | 0.3 | setosa |
| 7 | 5.0 | 3.4 | 1.5 | 0.2 | setosa |
| 8 | 4.4 | 2.9 | 1.4 | 0.2 | setosa |
| 9 | 4.9 | 3.1 | 1.5 | 0.1 | setosa |

Last rows

| | sepal_length | sepal_width | petal_length | petal_width | species |
|-----|--------------|-------------|--------------|-------------|-----------|
| 140 | 6.7 | 3.1 | 5.6 | 2.4 | virginica |
| 141 | 6.9 | 3.1 | 5.1 | 2.3 | virginica |
| 142 | 5.8 | 2.7 | 5.1 | 1.9 | virginica |
| 143 | 6.8 | 3.2 | 5.9 | 2.3 | virginica |
| 144 | 6.7 | 3.3 | 5.7 | 2.5 | virginica |
| 145 | 6.7 | 3.0 | 5.2 | 2.3 | virginica |
| 146 | 6.3 | 2.5 | 5.0 | 1.9 | virginica |
| 147 | 6.5 | 3.0 | 5.2 | 2.0 | virginica |
| 148 | 6.2 | 3.4 | 5.4 | 2.3 | virginica |
| 149 | 5.9 | 3.0 | 5.1 | 1.8 | virginica |

Duplicate rows

Most frequently occurring

| sepal_length | | sepal_width | petal_length | petal_width | species | # duplicates |
|--------------|-----|-------------|--------------|-------------|-----------|--------------|
| 0 | 5.8 | 2.7 | 5.1 | 1.9 | virginica | 2 |



Report generated with pandas-profiling (<https://github.com/pandas-profiling/pandas-profiling>).