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| Online Homework Package Created by : Elsit and Satya Mandal | | |
| Course Id :Math 105 | Topics in Mathematics | Semester : Summer2017 |
| Instructor :Satya Mandal Line No : 84895 | | |
| Homework No: 1 | Total Points :50 | Due Date:(YYYY-MM-DD) 2017-07-27 |

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|-------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|----|----|----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|-----|----|-----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|----|--|--|--|
| Question-1 | <p>The following is the weight (in ounces), at birth, of 96 babies born in Lawrence Memorial Hospital in May 2000.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>94</td><td>105</td><td>124</td><td>110</td><td>119</td><td>137</td><td>96</td><td>110</td><td>120</td><td>115</td><td>119</td></tr> <tr><td>104</td><td>135</td><td>123</td><td>129</td><td>72</td><td>121</td><td>117</td><td>96</td><td>107</td><td>80</td><td>80</td></tr> <tr><td>96</td><td>123</td><td>124</td><td>124</td><td>134</td><td>78</td><td>138</td><td>106</td><td>130</td><td>97</td><td>134</td></tr> <tr><td>111</td><td>133</td><td>128</td><td>96</td><td>126</td><td>124</td><td>125</td><td>127</td><td>62</td><td>127</td><td>96</td></tr> <tr><td>116</td><td>118</td><td>126</td><td>94</td><td>127</td><td>121</td><td>117</td><td>124</td><td>93</td><td>135</td><td>112</td></tr> <tr><td>120</td><td>125</td><td>120</td><td>147</td><td>138</td><td>72</td><td>119</td><td>89</td><td>81</td><td>113</td><td>100</td></tr> <tr><td>109</td><td>127</td><td>138</td><td>122</td><td>110</td><td>113</td><td>100</td><td>115</td><td>110</td><td>135</td><td>120</td></tr> <tr><td>97</td><td>127</td><td>120</td><td>110</td><td>107</td><td>111</td><td>126</td><td>132</td><td>120</td><td>108</td><td>148</td></tr> <tr><td>133</td><td>103</td><td>92</td><td>124</td><td>150</td><td>86</td><td>121</td><td>98</td><td></td><td></td><td></td></tr> </table> <p>Construct a class frequency table of this data by dividing the the whole range of data in to class intervals: $[60.5 - 70.5]$, $[70.5 - 80.5]$, $[80.5 - 90.5]$, $[90.5 - 100.5]$, $[100.5 - 110.5]$, $[110.5 - 120.5]$, $[120.5 - 130.5]$, $[130.5 - 140.5]$, $[140.5 - 150.5]$, $[150.5 - 160.5]$</p> <p>In this and the remaing questions, we will compute the frequencies of all these classes.</p> <p style="text-align: center;">Question 1 is: what is the class frequency of the interval $[60.5 - 70.5]$?</p> | 94 | 105 | 124 | 110 | 119 | 137 | 96 | 110 | 120 | 115 | 119 | 104 | 135 | 123 | 129 | 72 | 121 | 117 | 96 | 107 | 80 | 80 | 96 | 123 | 124 | 124 | 134 | 78 | 138 | 106 | 130 | 97 | 134 | 111 | 133 | 128 | 96 | 126 | 124 | 125 | 127 | 62 | 127 | 96 | 116 | 118 | 126 | 94 | 127 | 121 | 117 | 124 | 93 | 135 | 112 | 120 | 125 | 120 | 147 | 138 | 72 | 119 | 89 | 81 | 113 | 100 | 109 | 127 | 138 | 122 | 110 | 113 | 100 | 115 | 110 | 135 | 120 | 97 | 127 | 120 | 110 | 107 | 111 | 126 | 132 | 120 | 108 | 148 | 133 | 103 | 92 | 124 | 150 | 86 | 121 | 98 | | | |
| 94 | 105 | 124 | 110 | 119 | 137 | 96 | 110 | 120 | 115 | 119 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 104 | 135 | 123 | 129 | 72 | 121 | 117 | 96 | 107 | 80 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | 123 | 124 | 124 | 134 | 78 | 138 | 106 | 130 | 97 | 134 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 111 | 133 | 128 | 96 | 126 | 124 | 125 | 127 | 62 | 127 | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 116 | 118 | 126 | 94 | 127 | 121 | 117 | 124 | 93 | 135 | 112 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120 | 125 | 120 | 147 | 138 | 72 | 119 | 89 | 81 | 113 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 109 | 127 | 138 | 122 | 110 | 113 | 100 | 115 | 110 | 135 | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | 127 | 120 | 110 | 107 | 111 | 126 | 132 | 120 | 108 | 148 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 133 | 103 | 92 | 124 | 150 | 86 | 121 | 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--------------------------|---|
| Answer Question-1 | <p style="text-align: center; background-color: #008080; color: white; padding: 2px;">This is a Numerical-Answer Type Question</p> <p style="background-color: #008080; color: white; padding: 2px;">The class frequency is</p> |
| Points | 5.00 |

| | |
|-------------------|---|
| Question-2 | What is the class frequency of the interval $[70.5 - 80.5]$? |
|-------------------|---|

| | |
|--------------------------|---|
| Answer Question-2 | <p style="text-align: center; background-color: #008080; color: white; padding: 2px;">This is a Numerical-Answer Type Question</p> <p style="background-color: #008080; color: white; padding: 2px;">The class frequency is</p> |
| Points | 5.00 |

Question-3 What is the class frequency of the interval [80.5 - 90.5]?

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| Answer Question-3 | This is a Numerical-Answer Type Question |
| | The class frequency is <input type="text"/> |
| Points | 5.00 |

Question-4 What is the class frequency of the interval [90.5 - 100.5]?

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|------------------------------|---|
| Answer Question-4 | This is a Numerical-Answer Type Question |
| | The class frequency is <input type="text"/> |
| Points | 5.00 |

Question-5 What is the class frequency of the interval [100.5 - 110.5]?

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|------------------------------|---|
| Answer Question-5 | This is a Numerical-Answer Type Question |
| | The class frequency is <input type="text"/> |
| Points | 5.00 |

Question-6 What is the class frequency of the interval [110.5 - 120.5]?

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|------------------------------|---|
| Answer Question-6 | This is a Numerical-Answer Type Question |
| | The class frequency is <input type="text"/> |
| Points | 5.00 |

Question-7 What is the class frequency of the interval [120.5 - 130.5]?

| | |
|------------------------------|---|
| Answer Question-7 | This is a Numerical-Answer Type Question |
| | The class frequency is <input type="text"/> |
| Points | 5.00 |

Question-8 What is the class frequency of the interval [130.5 - 140.5]?

| | |
|------------------------------|--|
| Answer Question-8 | This is a Numerical-Answer Type Question The class frequency is <input type="text"/> |
| Points | 5.00 |

Question-9 What is the class frequency of the interval [140.5 - 150.5]?

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|------------------------------|--|
| Answer Question-9 | This is a Numerical-Answer Type Question The class frequency is <input type="text"/> |
| Points | 5.00 |

Question-10 What is the class frequency of the interval [150.5 - 160.5]?

| | |
|-------------------------------|--|
| Answer Question-10 | This is a Numerical-Answer Type Question The class frequency is <input type="text"/> |
| Points | 5.00 |

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