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2 } , S \_ { 2 } ^ { 2 } = \\\\frac { 1 } { n } \\\\sum \_ { i = 1 } ^ { n } \\\\left( X \_ { i } - \\\\overline { x } \\\\right) ^ { 2 } , S \_ { 3 } ^ { 2$$$$\\\\left( X \_ { i } - q \\\\right) ^ { 2 } ,$$$$S \_ { 4 } ^ { 2 } = \\\\frac { 1 } { n } \\\\sum \_ { i = 1 } ^ { n } \\\\left( X \_ { i } - q \\\\right) ^ { 2 } ,$$则服从自由度为n一1的t分布的随机变量是( ).","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":679,"y":630},{"x":761,"y":630},{"x":761,"y":655},{"x":679,"y":655}]],"pos\_list":[[{"x":42,"y":408},{"x":1219,"y":408},{"x":1219,"y":921},{"x":42,"y":921}]],"element\_list":[{"type":0,"text":"(5)设$$X \_ { 1 } , X \_ { 2 } , \\\\cdots ,$$$$, X \_ { n }$$,是来自正态总体$$X \\\\sim N \\\\left( \\\\mu , \\\\sigma ^ { 2 } \\\\right)$$的简单随机样本,是样本均值,记$$S \_ { 1 } ^ { 2 } = \\\\frac { 1 } { n - 1 } \\\\sum \_ { i = 1 } ^ { n } \\\\left( X \_ { i } - \\\\overline { X } \\\\right) ^ { 2 } , S \_ { 2 } ^ { 2 } = \\\\frac { 1 } { n } \\\\sum \_ { i = 1 } ^ { n } \\\\left( X \_ { i } - \\\\overline { x 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