

STATGRAPHICS 18 - Untitled StatFolio

_ 🗆 🗙

| File Edit Plot Describe Compare Relate Fo | recast SPC | DOE SnapStats!! | Statlets Tools | R Interface View \ | Vindow Help | | | | | |
|---|------------|----------------------------|----------------|--------------------|-----------------------|-------------------|--|--|--------------------------------|-----------------------------|
| S = S | 🙇 🖾 🛛 | 📲 🚔 💾 | 1 🌿 🖄 🗮 | ім 🖶 🐱 б | l 🔌 🔏 🔞 | | | | | |
| DataBook | |] * 😭 ़ 🕼 + ‡ + . | 🔌 😽 🔍 田 | Text font size: 🔳 | 💽 🔀 tick: | s: 📃 🚽 | X-axis Y-axis | Z-axis | | |
| 📀 StatAdvisor | | 🛾 🗠g 🛛 🔂 🚱 ? | ½ 🐴 📄 💡 | Label: | M Row | · M · | 30000 | 🔁 😋 Reset | | |
| StatGallery | | | | | | | | | | |
| StatReporter | ़ | | | | <untitled></untitled> | | | | | |
| StatFolio Comments | | Col_1 | Co1_2 | Col_3 | Col_4 | Co1_5 | Col_6 | Co1_7 | Co1_8 | |
| StatLog | | Numonia | Numonia | Numonia | Numoria | Numonia | Numeria | Numeria | Numerai e | Mar |
| | 1 | Numeric | Numeric | Numeric | Numeric | Numeric | Numeric | Numeric | Numeric | NU |
| | 2 | | <u>_</u> | | | | About STA | TGRAPHICS 18 | 8 | |
| | 3 | | | | | - | | | | |
| | 4 | | | | | | STATGRAP Version 1 | HIUS Centurion 18 | | |
| | 5 | | | - | | | version | 10.1.12 (04-01() | | |
| Wellcon | h of t | n Sta | torar | hircl | | | Lic | ensed to: | | |
| vvencon | | U Jla | LBIAN | лпсз: | | | Univer | situ of Vienna | | |
| | | | | | | S | erial Number: BHB | 0-DB0A-00E8-YK0E | -4EM0 | |
| | 10 | | | | | Activatio | on Code: ABUB-6U` | Y3-I8BA-1MPU-COJ | 6-U6SM-I8UA | |
| | 11 | | | | | | Edition | n: Multilingual | | |
| | 12 | | | | | | License: Ac | ademic Enterprise | | |
| | 13 | | | | | | Expiration: a | september 1, 2020 | | |
| | 14 | | | | | Copyrig | ht © 1982-2018 by | Statgraphics Techr | hologies, Inc. | |
| | 15 | | | | | JBJC Spanstate | (graphics and Statie < StatAdvisor, State | ets are registered tra Folio: StatGalleru: St | idemarks. Statling Statling | |
| | | | | | | StatPu | blish. StatReporter | and StatWizard are | trademarks. | - |
| | | | | | | | All Righ | nts Reserved. | | |
| | | | | | | | | | | |
| | 6 | 10 🛛 🕻 | | | PIOX | | L | UK | | |
| | Un | | St | St | | | | | | |
| | | | | | | | · · | | N | UM |
| | | | | | | | | 🔺 🔝 📚 🏲 | 1 🖓 🕩 DEU 2 | 11:55 20.03.202 <u>0</u> |

| _ |
|---|
| |

STATGRAPHICS 18 - Untitled StatFolio

– 🗆 X

| File Edit Diet Describe Commence Belate For | and the DOC DOC SeconStatell | Statista Taala Distantasa Visuu Window | - - | |
|---|----------------------------------|---|--|---------------------|
| File Edit Plot Describe Compare Relate For | recast SPC DOE SnapStats:: | Statiets Tools R Interface View Window | | |
| 👕 🔚 🔚 🎼 👗 👘 🎼 🗢 🔍 ! | 🔍 🔛 🚟 禁 🗮 🖽 | Here Data Viewer | | |
| DeteBack | 📾 📾 🌐 😘 🖬 🚓 ` | Expression Evaluator | | 7.avie |
| | | Sample Size Determination | n <u>O</u> ne Sample | |
| StatAdvisor | | ⁷ ⁴ ^μ 6σ Si <u>x</u> Sigma Calculator | n _Π <u>T</u> wo or More Samples | neset |
| StatGallery | | ▲ Sampling Distributions | Statistical Tolerance <u>L</u> imits | |
| The stat Reporter | Col 1 | <u>M</u> onte Carlo Simulation | Capability Indices | |
| 📕 StatFolio Comments | | <u>G</u> raphics Profile Designer | <u>C</u> ontrol Charts | |
| C StatLog | Numeric | Num ! StatFolio <u>A</u> lerts | Screening Designs | Numeric Numeric Nu |
| | 1 | | | |
| | 2 | | | |
| | 3 | | | |
| | 4 | | | |
| | 5 Let | t us start and repeat that sa | mple size assessment with | the |
| | 6 cto | taraphics tool we shall so | marchit to the graphical ar | proach for |
| | 7 510 | itgraphics tool – we shall co | inpare it to the graphical ap | |
| | 8 the | e seasonal comparison in Lil | breoffice! | |
| | 9 | | | |
| | 10 | | | |
| | 11 | | | |
| | 12 | | | |
| | 13 | | | |
| | 14 | | | |
| | 15 | | | |
| | | | | |
| | | | | |
| | | | | |
| | E. @ 🗆 🗙 🍫 | | | |
| | Un | St St | St St | |
| | Determine sample size for compar | ing two means, sigmas, proportions or rates. | | NUM |
| | | | | ▲ 🔷 🏲 🛱 🌒 DEU 11:56 |
| | | | | 20.03.2020 |





Glick on a menu item with the right mouse button to display documentation.

12:46 合 Þ 🖵 🌒 deu 20.03.2020

| B | | | | TI | EICH01.ods - | LibreOffice | e Calc | | | _ □ | X |
|--------------------|------------------------------------|---|----------------------------|-----------------------------------|---------------------------------|----------------|-------------|---|----------------|-----------|------|
| <u>D</u> atei | <u>B</u> earbeiten <u>A</u> nsicht | <u>E</u> infügen <u>F</u> ormat Vo <u>r</u> | lagen <u>T</u> abelle Date | <u>n Ex</u> tras Fen <u>s</u> ter | <u>H</u> ilfe | | | | | | × |
| | ┛┓┛┛ [] 🖶 [| Q 🔏 🖻 📩 🎽 | < <u>A</u> 5-7, | 🖓 🕹 📰 🖓 | ⊣ ↑↓ ₽↓ a | V V 🔀 | Ω 🗟 📔 | .▼∰ 🖓 🗋 I 🔓 🖼 🗖 | 8 | | |
| Arial | ✓ 10 ✓ | FKUAT | Ŝ◄☰☰≡ | ┋╋╡╤╶╬ | <u></u> ⊻ ! • ~ % | 0.0 7 | 0₽ 0♀ >Ξ | III▼॑──▼∠▼ः∰▼A3</td <td>A</td> <td></td> <td></td> | A | | |
| A1:l61 | $\sim f_{\rm v} \Sigma =$ | 6,4 | | | | . — | | | *** | | 6 |
| | AB | C | DE | F | G | н | | I K I | M | | 8 |
| 40 | 39 N39 | 00FJT2 4 T2 | FJ | 2000 | 1,6 | 1,6 | 16 | | | <u> </u> | |
| 41 | 40 N40 | 00FJT2 5 T2 | FJ | 2000 | 1,6 | 2,4 | 2,4 | | | | |
| 42 | 41 N41 | 00FJT3_1 T3 | FJ | 2000 | 7,2 | 3,2 | 5,6 | | | | M |
| 43 | 42 N42 | 00FJT3_2 T3 | FJ | 2000 | 2,4 | 4 | 7,2 | Import data via the | clippboard: | | 174 |
| 44 | 43 N43 | 00FJT3_3 T3 | FJ | 2000 | 4,8 | 1,6 | 12 | First set the numer | ic system of | | • |
| 45 | 44 N44 | 00FJT3_4 T3 | FJ | 2000 | 2,4 | 2,4 | 16,8 | First set the numer | ic system of | | |
| 46 | 45 N45 | 00FJT3_5 T3 | FJ | 2000 | 2,4 | 3,2 | 3,2 | Your MS-Windows | to Eng/US | | |
| 47 | 46 N46 | 00SOT1_1 T1 | SO | 2000 | 1,6 | 9,6 | 6,4 | | | | |
| 48 | 47 N47 | 00SOT1_2 T1 | SO | 2000 | 3,2 | 3,2 | 12,8 | | | | fx |
| 49 | 48 N48 | 00SOI1_3 I1 | SO | 2000 | 4,8 | 8 | 17,6 | 1-mark all the cont | ent of the | | 1 |
| 50 | 49 N49 | 00SOT1_4 T1 | SO | 2000 | 6,4 | 6,4 | 19,2 | I mark an the cont | | | |
| 51 | 50 N50 | 00SOT1_5 T1 | SO | 2000 | 9,6 | 9,6 | 12,8 | worksheet: | | | |
| 52 | 51 N51 | 005012_1 12 | SO | 2000 | 12,8 | 4,8 | 9,6 | | | | |
| 53 | 52 N52 | 005012_2 12 | SO | 2000 | 3,2 | 6,4 | 12,8 | Nove to AL, press | stri-snift-end | | |
| 54 | 53 N53 | 005012_3 12 | 50 | 2000 | 8 | 1,6 | 22,4 | | | | |
| 55 | 04 N04 | 005012_4 12 | 50 | 2000 | 3,2 | 3,2 | 32 | | | | |
| 56 | | 005012_3 12 | SU SO | 2000 | 3,2 | 4,8 | 4,8 | 2- copy to the clipb | oard, ctrl c | | |
| 57 | 57 N57 | | 30 80 | 2000 | 14,4 | 0,4 | 14.4 | | | | |
| 58 | 58 N58 | 005013_2 13 | 30 80 | 2000 | 4,0 | 3.2 | 24 | | | | |
| 59 | 50 N50 | 005013_3 13 | SO | 2000 | 9,0 4.8 | 3,2 4.8 | 33.6 | | | | |
| 60 | 60 N60 | 00SOT3_5_T3 | SO | 2000 | 4.8 | 6.4 | 6.4 | | | | |
| 62 | | 000010_0 10 | | 2000 | 1,0 | 0,1 | 0,1 | | | | |
| 63 | | | | | | ` F | | | | | |
| 64 | | | Your machin | e must be s | set for US | s Englisi | h data har | ndling | | | |
| 65 | | | else nothing | behind the | e comma | dot wi | ll he naste | he he | | | |
| 66 | | | | | c commu | | | | | ~ | |
| < | | | | | | | | | | > | |
| | 🕨 🕂 🛛 Dokumenta | tion <u>Urdaten_</u> Teich | Calculate_Seasons_a | llYears Graph0 | 1_Seasons C | Calculate_Teic | h_FJ Graph0 | 1_FJ_Jahre Graph02_FJ_Jahre | | | |
| $\mathbb{P}^{(n)}$ | <u> →▼S▼□</u> (| $\Box \Box \bigcirc \bigcirc \land$ | <u>∖</u> \∕▼⊙▼⇔` | ╺॑॑ऺॎᢦ᠊ᢩ☆ᢦᠹᢦ | | V F | S A | | | | |
| Tabelle 2 | 2 von 7 Ausg | jewählt: 61 Zeilen, 9 Spalte | en Standard | | Englisch (| USA) | | Mittelwert: 410,734; Sumi | ne: 123220,2 | + | 100% |
| | | | | | | | | | | ENG 13: | 25 |
| | | 54: SHE | | | | | | | | US 20.03. | 2020 |



STATGRAPHICS 18 - Untitled StatFolio

_ 🗆 🗙



E*

STATGRAPHICS 18 - Untitled StatFolio

_ 🗆 🗙

| File Edit Plot Describe Compare Relate Fo | recast SPC | DOE SnapStats!! | Statlets Tools R | Interface View | Window Help | | | | | |
|---|-----------------------|--------------------------------|--------------------|---------------------|-----------------------|------------------|---------------|-----------------------|-------------|-------------------|
| 🗁 🖬 🔳 🖬 😽 👘 💼 🖘 🗳 | 🖻 🖾 🛛 | 📰 📥 💾 | i 🧏 🖄 🗮 | 🛍 🖶 🚧 🕯 | 11 🔌 🔏 📢 | s 👟 🔲 | | | | |
| DataBook | | ∄ *** 4 bc +‡+ | 🔌 😽 🔍 🔳 | Text font size: 🔳 | ► × ticl | ks: Horizontal 💌 | X-axis Y-axis | Z-axis | | |
| StatAdvisor | | ¦ ⊷g 🗾 🗗 ? | ½ 🏨 📄 💡 | Label: | 📕 🦄 Ro | w: 🚺 🕅 | | 🕀 🔾 Reset | | |
| StatGallery | | | | | | | | | | |
| StatReporter | | Ducha | m-i-h | Tabua anait | <untitiea></untitiea> | Defeiler | Consists | Dufe h | | |
| June 2015 StatFolio Comments | | Prope | Teicn | Janreszeit | Janr | Beinlaenge | Gewicht | kure_n | 10 | |
| | | Character | Character | Character | Numeric | Numeric | Numeric | Numeric | Numeric | Nu |
| | 28 | 99SOT3 3 | тз | so | 1999 | 12 | 4 | 30 | 110110110 | |
| | 29 | 99SOT3_4 | тз | SO | 1999 | 6 | 6 | 42 | | |
| | 30 | | тз | SO | 1999 | 6 | 8 | 8 | | |
| | 31 | 00FJT1_1 | T1 | FJ | 2000 | 0,8 | 4,8 | 3,2 | | |
| | 32 | 00FJT1_2 | T1 | FJ | 2000 | 1,6 | 1,6 | 6,4 | | |
| | 33 | 00FJT1_3 | T1 | FJ | 2000 | 2,4 | 4 | 8,8 | | |
| | 34 | 00FJT1_4 | T1 | FJ | 2000 | 3,2 | 3,2 | 9,6 CNECK | | |
| | 35 | 00FJT1_5 | T1 | FJ | 2000 | 4,8 | 4,8 | ^{6,4} Variab | les numeri | С |
| | 36 | 00FJT2_1 | Т2 | FJ | 2000 | 6,4 | 2,4 | 4,8 Positio | ns hehind | the |
| | 37 | 00FJT2_2 | T2 | FJ | 2000 | 1,6 | 3,2 | 6,4 | | |
| | 38 | 00FJT2_3 | т2 | FJ | 2000 | 4 | 0,8 | 11,2 COMM | a dot avall | able |
| | 39 | 00FJT2_4 | T2 | FJ | 2000 | 1,6 | 1,6 | 16 | | |
| | 40 | 00FJT2_5 | T2 | FJ | 2000 | 1,6 | 2,4 | 2,4 | | |
| | 41 | 00FJT3_1 | T3 | FJ | 2000 | 7,2 | 3,2 | 5,6 | | |
| | 42 | 00FJT3_2 | T3 | FJ | 2000 | 2,4 | 4 | 7,2 | | |
| | $ + + \rightarrow$ | I A B C | 11.8 | | -5000 | 1/ 8 | | 19 | | • |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | l 📕 📑 | 10 🛛 🤦 | ▶ _{<†} | 🗵 🗄 _{C1} 🗌 | | | I 🖾 🔛 🥿 🛛 | | | |
| | | | Jun | J | | Jun | 56 | | | |
| | | | | | | | | | N | UM |
| | | | | | | | | 🔹 📀 🏲 | | 0.03.202 <u>0</u> |



We shall refer to variance and Distribution later!

| _ |
|---|
| |

-64

STATGRAPHICS 18 - Untitled StatFolio

20.03.2020

US







| • | | | STATGRAPHICS 18 - te | ich.SGP | _ 🗇 🗙 |
|------|---|----------------------|---|--|--|
| File | Edit Plot Describe Compare Relate Fo | recast SPC DOE Sn | apStats!! Statlets Tools R Interface View W | /indow Help | |
| | 🖬 🖩 🖷 🕷 🖷 🛱 🤝 | 🔍 🔛 🖽 😫 | 🛗 🗠 🌿 🖄 🗮 📖 🖶 🚧 🗗 | n 🔌 🔬 👞 🔳 | |
| ∕ | DataBook StatAdvisor | 📰 🔛 🚟 📑 📑 | the +↓+ 🔌 🛞 🔍 🖪 Text font size: 💶 Pane Options | ▶ X ticks: Horizontal ▼ X-axis Y-axis Z-axis M Row: M ⊕ ⊖ ⊕ ⊖ ⊕ ⊖ ⊕ ⊖ Reset | |
| | StatGallery | | Analysis Options | | |
| | StatReporter | | Graphics Options | JVA - Beinlaenge by Jahreszeit | |
| | Graphics Options | | Undo | | |
| | Top Title X-Axis Y-Axis Layout Grid Lines Points | Pofile | Use Value Labels Select | Box-and-Whisker Plot | |
| | | I Conts | Move | | |
| | | | Locate Zoom In | | |
| | • X-Axis | | Undo Zoom | | |
| | | | Fill Window | | |
| | Color No gap No minor | r tickmarks | Reset Scaling/Viewpoint | | |
| | | | Copy Ctrl+C | | |
| | Mode Axes Thickness: | | Copy with Link | | |
| | | | Print F4 | | |
| | | Thickest | Print Preview Shift+F3 | | |
| | 3D Effects | | Copy Pane to StatGallery | | |
| | | | Copy Analysis to StatReporter | | |
| | | | Save Graph | SO | |
| | | 1 | Show XML | Janreszeit | |
| | Cancei Apply | | Start Video Ctrl+M | | |
| | | | End Video Ctrl+M | | |
| | | Click on a menu iter | Change Video Compression | n. | NUM |
| call | | | 🔁 🕵 🕵 💽 | Auntrage: U | ⁽⁾⁾ ENG 16:20 DFI 23.03.2020 |



| | Preferences | × | | | | |
|--|--|---|--|--|--|--|
| Dist. Fit Capabil Graphics General ED Confidence Level | ity Control Charts Run Gage Studies ANOVA/Regression System Options Use Six Sigma Menu Sort Variable Names 4-Digit Years | Ins Tests Crosstabs Text Language Big Data Forecasting Stats When Starting Procedures Select Analysis Options Select Tables and Graphs StatLog | | | | |
| Significant Digits C 3 C 4 C 5 C 6 C 7 C 8 C 9 C 10 For Save Results 6 | Autosave Enabled 10 minutes Update Links on Each Value StatFolios Disable Start-up Scripts Save copy of external data Help File Directory Temporary File Directory | Full audit trail Custom output Log file operations Log data changes Log analyses Log saved results Number each line | | | | |
| OK Cancel Show XML Help | | | | | | |