

BT2022 | QUIZ III | JAN-MAY 2022 | 20 Marks

Consider the dataset collected from an experiment over a CRD design with 10 treatments and 10 replications each.

1. Compute the sum of squares total, treatment, replication and error ( $4 \times 2 = 8$  Marks).
2. Compute the calculated F value for treatment and replication dimensions ( $2 \times 2 = 4$  Marks).
3. Perform F test at the given alpha error level for treatments and replications (0 = null hypothesis, 1 = alternate hypothesis) ( $2 \times 2 = 4$  Marks).
4. Based on the outcome of #3, compute the final error mean square and error degrees of freedom ( $2 \times 2 = 4$  Marks).

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AE18B004

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0464022

&[5.3301]\$,&[5.8396]\$,&[8.8344]\$,&[9.4369]\$,&[7.1559]\$,&[5.4331]\$,&[6.4781]\$,&[8.1445]\$,&[7.4245]\$,&[7.4968]\$  
&[3.9895]\$,&[9.3951]\$,&[3.1424]\$,&[5.9176]\$,&[1.9648]\$,&[5.798]\$,&[5.7071]\$,&[4.3743]\$,&[1.6554]\$,&[3.0968]\$  
&[-4.2324]\$,&[4.7066]\$,&[3.8419]\$,&[12.598]\$,&[9.2473]\$,&[3.3776]\$,&[2.2807]\$,&[6.1404]\$,&[12.2]\$,&[4.6909]\$  
&[13.32]\$,&[15.618]\$,&[13.61]\$,&[14.929]\$,&[14.192]\$,&[13.409]\$,&[12.742]\$,&[12.483]\$,&[18.446]\$,&[14.298]\$  
&[11.638]\$,&[10.215]\$,&[8.7552]\$,&[10.319]\$,&[8.7561]\$,&[11.994]\$,&[11.841]\$,&[11.971]\$,&[9.6168]\$,&[10.817]\$  
&[11.801]\$,&[16.293]\$,&[10.981]\$,&[15.252]\$,&[14.488]\$,&[16.707]\$,&[13.965]\$,&[11.603]\$,&[10.391]\$,&[12.337]\$  
&[2.1971]\$,&[6.2446]\$,&[5.6904]\$,&[6.1651]\$,&[1.3267]\$,&[4.8897]\$,&[3.0244]\$,&[2.0304]\$,&[2.9315]\$,&[-0.50255]\$  
&[10.084]\$,&[8.98]\$,&[7.7236]\$,&[12.038]\$,&[11.897]\$,&[11.2]\$,&[9.6567]\$,&[4.0682]\$  
,&[9.7135]\$,&[11.856]\$  
&[8.517]\$,&[10.476]\$,&[10.922]\$,&[11.975]\$,&[14.187]\$,&[8.1414]\$,&[13.46]\$,&[9.1012]\$  
,&[12.831]\$,&[12.463]\$  
&[11.639]\$,&[15.663]\$,&[12.361]\$,&[11.113]\$,&[15.803]\$,&[21.229]\$,&[11.626]\$,&[16.354]\$,&[12.871]\$,&[13.262]\$

AE18B005

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.012551

&[6.7971]\$,&[16.529]\$,&[12.954]\$,&[17.019]\$,&[2.4223]\$,&[10.831]\$,&[11.338]\$,&[12.652]\$,&[9.111]\$,&[6.3267]\$  
&[5.4076]\$,&[11.599]\$,&[16.915]\$,&[13.954]\$,&[9.2521]\$,&[9.3358]\$,&[14.092]\$,&[10.298]\$,&[12.361]\$,&[8.1761]\$  
&[6.3274]\$,&[12.881]\$,&[12.928]\$,&[11.033]\$,&[4.9104]\$,&[5.7333]\$,&[9.9992]\$,&[12.465]\$,&[12.949]\$,&[7.9144]\$  
&[5.1215]\$,&[14.17]\$,&[7.0149]\$,&[16.191]\$,&[7.78]\$,&[5.6444]\$,&[12.43]\$,&[9.5933]\$  
,&[11.754]\$,&[4.8829]\$  
&[10.987]\$,&[14.021]\$,&[18.273]\$,&[12.528]\$,&[16.327]\$,&[6.2839]\$,&[9.781]\$,&[14.104]\$,&[9.5525]\$,&[5.8304]\$  
&[8.5385]\$,&[12.932]\$,&[9.9425]\$,&[14.418]\$,&[7.1385]\$,&[8.6616]\$,&[14.213]\$,&[12.596]\$,&[8.0684]\$,&[9.7454]\$  
&[5.4248]\$,&[13.226]\$,&[10.923]\$,&[17.158]\$,&[8.0209]\$,&[4.2607]\$,&[10.917]\$,&[16.426]\$,&[9.7501]\$,&[6.461]\$  
&[4.9292]\$,&[14.495]\$,&[14.542]\$,&[17.068]\$,&[6.7418]\$,&[6.3966]\$,&[8.8407]\$,&[13.137]\$,&[8.9081]\$,&[5.3399]\$  
&[8.2521]\$,&[13.786]\$,&[16.258]\$,&[15.4]\$,&[7.2287]\$,&[-0.43208]\$,&[8.6413]\$,&[12.704]\$,&[7.4542]\$,&[8.6203]\$  
&[7.5395]\$,&[14.277]\$,&[10.202]\$,&[11.462]\$,&[10.76]\$,&[3.2642]\$,&[13.713]\$,&[19.5]\$,&[7.0155]\$,&[10.837]\$

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AE18B007

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0060918

&[16]\$,&[8.2364]\$,&[12.205]\$,&[5.336]\$,&[7.8925]\$,&[12.409]\$,&[10.22]\$,&[5.5909]\$,&  
[7.5559]\$,&[5.4038]\$  
&[11.893]\$,&[14.347]\$,&[-1.2262]\$,&[8.7148]\$,&[9.0157]\$,&[6.4221]\$,&[10.059]\$,&[4.6  
131]\$,&[5.4906]\$,&[5.1848]\$  
&[9.6691]\$,&[9.7285]\$,&[-1.5125]\$,&[6.9584]\$,&[8.2649]\$,&[7.2043]\$,&[9.3943]\$,&[8.2  
849]\$,&[5.387]\$,&[2.0286]\$  
&[11.616]\$,&[7.7271]\$,&[3.0776]\$,&[6.5376]\$,&[7.8159]\$,&[10.315]\$,&[8.3503]\$,&[5.71  
]\$,&[5.5573]\$,&[1.7341]\$  
&[13.813]\$,&[8.4519]\$,&[1.4655]\$,&[7.5579]\$,&[8.3868]\$,&[6.9311]\$,&[8.3483]\$,&[6.90  
96]\$,&[5.6741]\$,&[7.3086]\$  
&[16.859]\$,&[9.6873]\$,&[9.8425]\$,&[6.752]\$,&[8.936]\$,&[10.961]\$,&[12.504]\$,&[3.8666  
]\$,&[5.2186]\$,&[0.32677]\$  
&[14.977]\$,&[6.6613]\$,&[1.8577]\$,&[6.9619]\$,&[7.4648]\$,&[8.3949]\$,&[9.8153]\$,&[4.98  
33]\$,&[3.3647]\$,&[7.6171]\$  
&[16.871]\$,&[12.644]\$,&[2.0704]\$,&[5.7539]\$,&[8.9349]\$,&[9.0749]\$,&[10.782]\$,&[8.62  
73]\$,&[4.858]\$,&[6.8542]\$  
&[10.711]\$,&[14.725]\$,&[2.8823]\$,&[7.2349]\$,&[7.6587]\$,&[9.2874]\$,&[9.5235]\$,&[5.21  
87]\$,&[6.2306]\$,&[7.1491]\$  
&[8.8225]\$,&[10.065]\$,&[11.503]\$,&[7.6775]\$,&[7.7818]\$,&[11.782]\$,&[9.2776]\$,&[5.41  
02]\$,&[6.9265]\$,&[16.228]\$

AE18B008

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.036574

&[13.59]\$,&[13.886]\$,&[9.657]\$,&[11.141]\$,&[3.8109]\$,&[4.9542]\$,&[5.4355]\$,&[4.1277  
]\$,&[12.097]\$,&[12.316]\$  
&[13.391]\$,&[13.108]\$,&[12.659]\$,&[7.9835]\$,&[3.9427]\$,&[4.6067]\$,&[4.4982]\$,&[8.03  
6]\$,&[8.6403]\$,&[8.9396]\$  
&[8.6481]\$,&[17.258]\$,&[9.0572]\$,&[12.513]\$,&[7.4052]\$,&[-1.0833]\$,&[4.7101]\$,&[0.7  
5906]\$,&[7.7415]\$,&[11.515]\$  
&[13.136]\$,&[13.561]\$,&[11.374]\$,&[6.7664]\$,&[10.808]\$,&[-0.16475]\$,&[1.0589]\$,&[2.  
6388]\$,&[14.237]\$,&[7.9349]\$  
&[10.469]\$,&[15.372]\$,&[15.596]\$,&[6.9485]\$,&[7.7659]\$,&[1.4262]\$,&[5.9443]\$,&[4.30  
54]\$,&[13.92]\$,&[10.26]\$  
&[19.305]\$,&[15.341]\$,&[11.615]\$,&[7.4219]\$,&[6.6947]\$,&[8.5815]\$,&[7.5319]\$,&[3.11  
2]\$,&[9.2677]\$,&[10.684]\$  
&[11.974]\$,&[12.585]\$,&[12.23]\$,&[10.616]\$,&[7.4997]\$,&[10.181]\$,&[5.2241]\$,&[4.137  
]\$,&[14.798]\$,&[10.845]\$  
&[15.07]\$,&[14.88]\$,&[10.423]\$,&[8.6668]\$,&[7.0736]\$,&[6.5919]\$,&[2.2469]\$,&[-0.875  
8]\$,&[11.281]\$,&[12.626]\$  
&[13.326]\$,&[14.292]\$,&[14.113]\$,&[7.8832]\$,&[8.5051]\$,&[2.3908]\$,&[8.1063]\$,&[7.93  
91]\$,&[10.918]\$,&[12.209]\$

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|[18.557]\$,|[13.903]\$,|[7.2773]\$,|[7.2034]\$,|[6.3473]\$,|[6.1805]\$,|[5.1811]\$,|[6.3805]\$,|[11.718]\$,|[12.177]\$

#### AE18B018

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.041898  
|[11.545]\$,|[9.5664]\$,|[11.088]\$,|[9.8582]\$,|[10.539]\$,|[10.272]\$,|[9.719]\$,|[7.6139]\$,|[11.559]\$,|[6.6777]\$  
|[11.502]\$,|[7.6261]\$,|[10.199]\$,|[14.158]\$,|[8.5651]\$,|[12.707]\$,|[9.5265]\$,|[10.559]\$,|[6.8211]\$,|[7.2273]\$  
|[15.062]\$,|[11.386]\$,|[6.569]\$,|[5.1371]\$,|[18.953]\$,|[11.724]\$,|[11.455]\$,|[8.5269]\$,|[10.562]\$,|[13.08]\$  
|[8.3378]\$,|[10.684]\$,|[10.923]\$,|[10.679]\$,|[10.844]\$,|[11.603]\$,|[14.122]\$,|[13.532]\$,|[11.175]\$,|[10.583]\$  
|[15.07]\$,|[12.695]\$,|[14.447]\$,|[13.419]\$,|[14.112]\$,|[14.303]\$,|[16.066]\$,|[14.317]\$,|[14.752]\$,|[12.677]\$  
|[-1.0384]\$,|[2.5575]\$,|[-1.3823]\$,|[3.0034]\$,|[9.613]\$,|[3.821]\$,|[0.33596]\$,|[3.2026]\$,|[-2.5805]\$,|[2.6336]\$  
|[10.758]\$,|[13.297]\$,|[12.414]\$,|[11.37]\$,|[11.84]\$,|[9.9225]\$,|[14.596]\$,|[15.446]\$  
|[12.769]\$,|[11.077]\$  
|[14.849]\$,|[13.427]\$,|[12.082]\$,|[12.719]\$,|[12.849]\$,|[8.7826]\$,|[14.101]\$,|[17.769]\$,|[14.647]\$,|[16.37]\$  
|[5.3875]\$,|[5.5605]\$,|[6.2339]\$,|[5.6903]\$,|[6.9922]\$,|[5.2501]\$,|[5.5925]\$,|[7.7384]\$,|[7.8669]\$,|[6.0416]\$  
|[1.9517]\$,|[5.2097]\$,|[2.1325]\$,|[3.0681]\$,|[3.7825]\$,|[5.2689]\$,|[0.56112]\$,|[3.4917]\$,|[6.1141]\$,|[4.018]\$

#### AE18B022

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.0090111  
|[9.6431]\$,|[9.5554]\$,|[3.9411]\$,|[8.0837]\$,|[8.7545]\$,|[6.1808]\$,|[4.2269]\$,|[1.7738]\$,|[1.6143]\$,|[6.0094]\$  
|[-1.9511]\$,|[11.311]\$,|[5.3223]\$,|[3.2731]\$,|[6.2333]\$,|[-2.1665]\$,|[3.9329]\$,|[10.224]\$,|[3.0747]\$,|[4.6314]\$  
|[15.437]\$,|[10.677]\$,|[10.148]\$,|[17.471]\$,|[10.729]\$,|[10.586]\$,|[13.692]\$,|[13.484]\$,|[12.199]\$,|[14.306]\$  
|[6.901]\$,|[9.7034]\$,|[3.9385]\$,|[9.6655]\$,|[8.7113]\$,|[3.9953]\$,|[9.7401]\$,|[9.5961]\$,|[9.0816]\$,|[10.687]\$  
|[7.4481]\$,|[1.9707]\$,|[12.592]\$,|[7.7922]\$,|[4.9142]\$,|[9.9853]\$,|[9.1326]\$,|[9.1808]\$,|[4.4323]\$,|[12.453]\$  
|[7.1165]\$,|[11.161]\$,|[1.2426]\$,|[9.719]\$,|[7.2065]\$,|[6.6625]\$,|[3.6906]\$,|[6.6536]\$,|[6.1382]\$,|[7.4918]\$  
|[12.645]\$,|[8.911]\$,|[14.437]\$,|[5.7055]\$,|[15.157]\$,|[3.4496]\$,|[12.359]\$,|[13.91]\$,|[7.7845]\$,|[8.5804]\$  
|[0.93711]\$,|[3.9662]\$,|[4.9366]\$,|[4.3908]\$,|[3.7216]\$,|[4.6013]\$,|[0.47002]\$,|[1.591]\$,|[-2.5834]\$,|[3.0412]\$

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|[5.1731]\$,|[9.3252]\$,|[5.2307]\$,|[9.3231]\$,|[5.7171]\$,|[5.4786]\$,|[7.0242]\$,|[3.8183]\$,|[6.9136]\$,|[6.6634]\$\n|[0.50203]\$,|[2.1603]\$,|[5.9543]\$,|[10.609]\$,|[5.9501]\$,|[5.4903]\$,|[1.3262]\$,|[0.56421]\$,|[8.0557]\$,|[2.7066]\$

#### AE18B026

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.045178  
|[6.1636]\$,|[4.4123]\$,|[8.9725]\$,|[6.8034]\$,|[6.0369]\$,|[5.6897]\$,|[5.6341]\$,|[8.2859]\$,|[3.2324]\$,|[0.48858]\$\n|[5.8428]\$,|[5.0365]\$,|[7.0779]\$,|[5.0164]\$,|[4.735]\$,|[6.0212]\$,|[6.2019]\$,|[5.8201]\$,|[6.1116]\$,|[3.7653]\$\n|[15.409]\$,|[18.673]\$,|[13.171]\$,|[16.662]\$,|[10.821]\$,|[14.955]\$,|[12.958]\$,|[11.855]\$,|[11.963]\$,|[14.909]\$\n|[8.5178]\$,|[6.9191]\$,|[5.3333]\$,|[6.3151]\$,|[5.1032]\$,|[6.5658]\$,|[8.1739]\$,|[4.268]\$,|[6.2699]\$,|[4.1317]\$\n|[1.6185]\$,|[3.636]\$,|[0.85733]\$,|[-0.35078]\$,|[2.4766]\$,|[4.6156]\$,|[1.288]\$,|[1.5322]\$,|[2.2381]\$,|[0.61947]\$\n|[7.6131]\$,|[-1.5983]\$,|[-5.2778]\$,|[7.1044]\$,|[2.7092]\$,|[4.9658]\$,|[2.2448]\$,|[7.3937]\$,|[6.7597]\$,|[4.3476]\$\n|[1.9827]\$,|[0.54526]\$,|[3.8435]\$,|[2.9866]\$,|[-0.58991]\$,|[5.4653]\$,|[2.6749]\$,|[2.7978]\$,|[0.81092]\$,|[0.044024]\$\n|[1.7354]\$,|[0.40408]\$,|[8.8103]\$,|[4.7458]\$,|[5.4019]\$,|[1.2973]\$,|[3.5452]\$,|[8.1685]\$,|[2.2104]\$,|[3.5897]\$\n|[4.8032]\$,|[6.4749]\$,|[4.3588]\$,|[0.35366]\$,|[3.9974]\$,|[2.8394]\$,|[4.557]\$,|[7.5597]\$,|[7.5823]\$,|[5.4132]\$\n|[9.5341]\$,|[8.5186]\$,|[8.4656]\$,|[7.2277]\$,|[10.596]\$,|[9.6443]\$,|[10.259]\$,|[9.2533]\$,|[4.6665]\$,|[4.177]\$

#### AE18B030

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.049087  
|[4.1605]\$,|[14.643]\$,|[7.6889]\$,|[13.767]\$,|[15.483]\$,|[12.443]\$,|[6.8038]\$,|[3.3164]\$,|[4.3249]\$,|[12.621]\$\n|[6.0905]\$,|[7.1485]\$,|[13.631]\$,|[13.067]\$,|[16.485]\$,|[16.466]\$,|[6.0065]\$,|[3.3113]\$,|[2.8652]\$,|[13.169]\$\n|[5.4046]\$,|[2.8775]\$,|[9.9427]\$,|[11.044]\$,|[12.641]\$,|[13.264]\$,|[9.6957]\$,|[5.6438]\$,|[2.672]\$,|[13.469]\$\n|[4.2873]\$,|[15.712]\$,|[11.965]\$,|[13.986]\$,|[17.401]\$,|[4.7192]\$,|[8.4484]\$,|[4.4694]\$,|[2.1946]\$,|[13.955]\$\n|[7.8158]\$,|[6.9757]\$,|[7.5489]\$,|[10.573]\$,|[14.875]\$,|[7.6945]\$,|[7.5323]\$,|[5.7269]\$,|[1.9976]\$,|[13.418]\$\n|[4.8673]\$,|[10.699]\$,|[9.9198]\$,|[13.803]\$,|[16.562]\$,|[13.516]\$,|[5.0056]\$,|[8.7106]\$,|[3.6523]\$,|[12.911]\$\n|[7.3193]\$,|[9.4025]\$,|[7.6592]\$,|[7.8812]\$,|[12.649]\$,|[10.467]\$,|[7.1515]\$,|[3.1631]\$,|[3.88]\$,|[13.007]\$

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&[4.451]\$,&[4.7202]\$,&[11.685]\$,&[11.246]\$,&[13.084]\$,&[12.335]\$,&[7.8927]\$,&[5.337  
7]\$,&[-0.19884]\$,&[14.366]\$  
&[4.6137]\$,&[18.494]\$,&[7.8321]\$,&[11.568]\$,&[18.202]\$,&[12.538]\$,&[6.6151]\$,&[5.66  
1]\$,&[3.0469]\$,&[14.544]\$  
&[5.9835]\$,&[13.715]\$,&[11.995]\$,&[9.3646]\$,&[11.319]\$,&[11.111]\$,&[5.5153]\$,&[6.43  
36]\$,&[-1.3674]\$,&[13.645]\$

#### AE18B032

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.031029

&[8.2565]\$,&[4.6632]\$,&[4.6606]\$,&[10.003]\$,&[4.9505]\$,&[1.0207]\$,&[4.2159]\$,&[7.94  
84]\$,&[9.9721]\$,&[13.878]\$  
&[2.0788]\$,&[8.8858]\$,&[5.019]\$,&[2.9035]\$,&[3.8464]\$,&[4.4451]\$,&[6.9004]\$,&[12.24  
]\$,&[11.93]\$,&[14.3]\$  
&[7.1431]\$,&[9.6657]\$,&[6.5936]\$,&[5.4683]\$,&[0.8366]\$,&[2.0906]\$,&[6.2172]\$,&[17.2  
73]\$,&[15.884]\$,&[14.569]\$  
&[3.9219]\$,&[7.2458]\$,&[6.3552]\$,&[6.4786]\$,&[3.1434]\$,&[4.8557]\$,&[6.2793]\$,&[11.2  
7]\$,&[5.4341]\$,&[16.304]\$  
&[3.5002]\$,&[9.9235]\$,&[4.9891]\$,&[6.454]\$,&[0.96482]\$,&[2.0045]\$,&[6.8996]\$,&[7.18  
52]\$,&[14.183]\$,&[13.797]\$  
&[1.2479]\$,&[11.424]\$,&[2.7992]\$,&[8.8875]\$,&[1.5558]\$,&[2.2636]\$,&[4.8234]\$,&[13.9  
32]\$,&[14.598]\$,&[12.42]\$  
&[-0.36587]\$,&[9.8903]\$,&[3.8471]\$,&[8.5503]\$,&[-1.102]\$,&[3.1416]\$,&[5.8871]\$,&[15  
.338]\$,&[17.103]\$,&[17.575]\$  
&[11.175]\$,&[8.1016]\$,&[3.7062]\$,&[5.6912]\$,&[4.7292]\$,&[-0.84688]\$,&[6.0551]\$,&[12  
.915]\$,&[16.587]\$,&[19.185]\$  
&[9.145]\$,&[11.597]\$,&[4.7724]\$,&[7.0896]\$,&[7.2696]\$,&[4.2161]\$,&[6.4869]\$,&[14.33  
7]\$,&[10.112]\$,&[13.128]\$  
&[3.2847]\$,&[10.796]\$,&[6.6738]\$,&[2.2659]\$,&[5.75]\$,&[2.7356]\$,&[6.3948]\$,&[11.814  
]\$,&[8.1949]\$,&[15.494]\$

#### AE18B033

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0012553

&[4.0307]\$,&[4.9319]\$,&[3.7881]\$,&[3.1239]\$,&[3.7885]\$,&[2.5936]\$,&[-1.3323]\$,&[0.4  
038]\$,&[3.6105]\$,&[2.04]\$  
&[4.6896]\$,&[3.7303]\$,&[7.6422]\$,&[6.062]\$,&[3.6452]\$,&[4.5477]\$,&[3.0662]\$,&[5.047  
3]\$,&[3.737]\$,&[5.0986]\$  
&[6.2416]\$,&[5.4182]\$,&[5.4868]\$,&[2.3779]\$,&[5.3876]\$,&[5.5916]\$,&[6.1427]\$,&[4.14  
13]\$,&[7.5771]\$,&[7.2216]\$  
&[7.9135]\$,&[12.073]\$,&[12.151]\$,&[13.524]\$,&[12.067]\$,&[13.834]\$,&[11.181]\$,&[13.4  
84]\$,&[11.307]\$,&[13.078]\$  
&[1.3547]\$,&[1.8495]\$,&[3.7034]\$,&[2.6342]\$,&[2.2105]\$,&[-0.90564]\$,&[0.098637]\$,&  
[4.5528]\$,&[5.2511]\$,&[4.3525]\$  
&[13.478]\$,&[12.561]\$,&[11.568]\$,&[15.524]\$,&[14.466]\$,&[17.993]\$,&[8.1256]\$,&[10.5  
55]\$,&[16.154]\$,&[9.5572]\$

BT2022\_qiii\_22\_alldata  
&[3.4597]\$,&[0.19369]\$,&[1.4841]\$,&[4.91]\$,&[3.3847]\$,&[5.7454]\$,&[11.292]\$,&[0.277  
98]\$,&[3.3982]\$,&[-2.3002]\$  
&[17.186]\$,&[11.851]\$,&[14.67]\$,&[14.481]\$,&[15.014]\$,&[13.523]\$,&[15.207]\$,&[13.16  
1]\$,&[14.64]\$,&[16.456]\$  
&[1.5817]\$,&[2.3006]\$,&[9.8942]\$,&[5.1653]\$,&[5.3397]\$,&[8.2528]\$,&[10.691]\$,&[7.68  
58]\$,&[8.2443]\$,&[-2.4985]\$  
&[2.5069]\$,&[3.2529]\$,&[2.7451]\$,&[0.36693]\$,&[4.1231]\$,&[0.52115]\$,&[0.9966]\$,&[-1  
.0259]\$,&[-0.0031084]\$,&[5.2618]\$

#### AE18B043

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0092972

&[5.7577]\$,&[16.627]\$,&[9.5537]\$,&[3.6773]\$,&[10.611]\$,&[6.1151]\$,&[9.0436]\$,&[12.4  
79]\$,&[8.9283]\$,&[6.9207]\$  
&[2.5582]\$,&[0.87002]\$,&[3.1751]\$,&[-2.8159]\$,&[10.81]\$,&[8.3263]\$,&[5.1578]\$,&[5.9  
669]\$,&[4.8478]\$,&[10.482]\$  
&[17.217]\$,&[13.736]\$,&[17.052]\$,&[15.78]\$,&[16.47]\$,&[12.514]\$,&[15.316]\$,&[18.496  
]\$,&[14.229]\$,&[15.168]\$  
&[6.3299]\$,&[9.063]\$,&[4.631]\$,&[4.2726]\$,&[10.502]\$,&[2.7871]\$,&[3.3922]\$,&[7.7872  
]\$,&[4.1622]\$,&[4.0101]\$  
&[12.252]\$,&[9.9615]\$,&[9.7242]\$,&[14.404]\$,&[10.675]\$,&[11.44]\$,&[13.549]\$,&[11.02  
9]\$,&[14.215]\$,&[12.438]\$  
&[4.2081]\$,&[4.2747]\$,&[3.1528]\$,&[3.18]\$,&[0.71813]\$,&[2.6713]\$,&[8.006]\$,&[-0.732  
8]\$,&[3.519]\$,&[5.4132]\$  
&[12.518]\$,&[17.822]\$,&[12.498]\$,&[11.589]\$,&[12.256]\$,&[13.798]\$,&[10.916]\$,&[13.4  
94]\$,&[15.578]\$,&[13.504]\$  
&[8.7851]\$,&[7.2988]\$,&[7.3375]\$,&[9.2681]\$,&[5.5176]\$,&[10.744]\$,&[8.3369]\$,&[8.96  
68]\$,&[8.281]\$,&[9.2904]\$  
&[5.8881]\$,&[2.5511]\$,&[2.6086]\$,&[8.7837]\$,&[-0.98603]\$,&[9.4125]\$,&[7.2769]\$,&[-0  
.2029]\$,&[4.0513]\$,&[5.571]\$  
&[4.8611]\$,&[3.8684]\$,&[-0.62146]\$,&[0.081627]\$,&[-0.13251]\$,&[-0.97096]\$,&[2.3958  
]\$,&[4.1319]\$,&[4.5237]\$,&[4.1974]\$

#### AE18B044

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.013207

&[12.785]\$,&[15.166]\$,&[9.571]\$,&[11.089]\$,&[13.875]\$,&[15.838]\$,&[14.702]\$,&[15.06  
3]\$,&[12.089]\$,&[16.362]\$  
&[8.0481]\$,&[9.5665]\$,&[8.5085]\$,&[7.4304]\$,&[8.9589]\$,&[8.7763]\$,&[9.2308]\$,&[9.32  
59]\$,&[8.7778]\$,&[8.3544]\$  
&[12.169]\$,&[13.436]\$,&[15.557]\$,&[14.412]\$,&[11.463]\$,&[14.941]\$,&[14.163]\$,&[15.7  
07]\$,&[14.094]\$,&[14.776]\$  
&[13.209]\$,&[5.9066]\$,&[4.6197]\$,&[9.0471]\$,&[0.67281]\$,&[1.7878]\$,&[2.7013]\$,&[1.3  
328]\$,&[6.509]\$,&[0.46102]\$  
&[6.878]\$,&[8.3199]\$,&[11.328]\$,&[4.9013]\$,&[6.3149]\$,&[10.241]\$,&[4.664]\$,&[5.7785  
]\$,&[11.893]\$,&[3.4642]\$

BT2022\_qiii\_22\_alldata

&[5.9563]\$,&[4.896]\$,&[4.6174]\$,&[5.6738]\$,&[5.0749]\$,&[4.8963]\$,&[5.4817]\$,&[5.5209]\$,&[3.9297]\$,&[6.0189]\$  
&[14.32]\$,&[15.197]\$,&[14.746]\$,&[16.331]\$,&[16.02]\$,&[13.721]\$,&[14.664]\$,&[16.459]\$,&[16.686]\$,&[16.513]\$  
&[6.5523]\$,&[11.064]\$,&[6.9131]\$,&[8.959]\$,&[8.9021]\$,&[8.0518]\$,&[6.342]\$,&[5.7452]\$,&[5.3744]\$,&[9.6516]\$  
&[6.9318]\$,&[2.7641]\$,&[1.763]\$,&[2.1032]\$,&[1.7188]\$,&[3.3101]\$,&[-2.0149]\$,&[2.6125]\$,&[2.6114]\$,&[5.0738]\$  
&[12.987]\$,&[11.706]\$,&[9.0505]\$,&[12.75]\$,&[11.952]\$,&[10.664]\$,&[10.273]\$,&[8.7948]\$,&[10.243]\$,&[9.5545]\$

#### AE18B105

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.01481

&[6.2374]\$,&[6.3482]\$,&[9.8803]\$,&[5.118]\$,&[11.778]\$,&[0.70993]\$,&[9.9913]\$,&[14.226]\$,&[9.0036]\$,&[14.323]\$  
&[6.6415]\$,&[11.367]\$,&[9.9317]\$,&[6.926]\$,&[13.398]\$,&[1.968]\$,&[12.334]\$,&[16.249]\$,&[17.579]\$,&[14.462]\$  
&[3.0805]\$,&[10.648]\$,&[8.4232]\$,&[9.1224]\$,&[11.038]\$,&[0.9735]\$,&[9.0294]\$,&[15.045]\$,&[14.106]\$,&[12.632]\$  
&[3.5949]\$,&[5.6733]\$,&[9.559]\$,&[-0.56677]\$,&[14.915]\$,&[5.8156]\$,&[11.757]\$,&[15.049]\$,&[14.441]\$,&[12.012]\$  
&[5.2159]\$,&[14.042]\$,&[12.403]\$,&[2.547]\$,&[10.081]\$,&[1.4024]\$,&[13.102]\$,&[14.448]\$,&[11.951]\$,&[13.808]\$  
&[9.4475]\$,&[9.3709]\$,&[8.6727]\$,&[5.8398]\$,&[11.636]\$,&[4.0238]\$,&[11.109]\$,&[13.648]\$,&[18.025]\$,&[12.674]\$  
&[6.2443]\$,&[8.5766]\$,&[11.373]\$,&[6.38]\$,&[14.889]\$,&[1.7964]\$,&[12.156]\$,&[14.861]\$,&[13.445]\$,&[14.056]\$  
&[5.4948]\$,&[11.774]\$,&[16.744]\$,&[6.427]\$,&[13.015]\$,&[3.3298]\$,&[11.836]\$,&[12.926]\$,&[13.719]\$,&[15.624]\$  
&[7.0948]\$,&[10.659]\$,&[10.195]\$,&[6.0353]\$,&[11.445]\$,&[6.7207]\$,&[11.225]\$,&[15.472]\$,&[18.823]\$,&[11.361]\$  
&[2.9051]\$,&[11.375]\$,&[6.0539]\$,&[2.9306]\$,&[12.817]\$,&[-1.0945]\$,&[10.191]\$,&[13.832]\$,&[15.245]\$,&[11.618]\$

#### BE17B010

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.029041

&[15.454]\$,&[11.785]\$,&[11.159]\$,&[14.515]\$,&[17.289]\$,&[12.744]\$,&[9.3565]\$,&[18.134]\$,&[10.205]\$,&[9.4854]\$  
&[9.0269]\$,&[10.03]\$,&[11.955]\$,&[9.2351]\$,&[10.457]\$,&[8.0664]\$,&[9.0054]\$,&[9.2383]\$,&[11.829]\$,&[7.0726]\$  
&[14.959]\$,&[13.409]\$,&[12.994]\$,&[13.002]\$,&[15.17]\$,&[13.225]\$,&[16.146]\$,&[15.109]\$,&[14.328]\$,&[15.868]\$  
&[10.374]\$,&[9.1435]\$,&[13.764]\$,&[5.5589]\$,&[5.3042]\$,&[10.59]\$,&[16.182]\$,&[17.114]\$,&[4.6818]\$,&[12.757]\$

BT2022\_qiii\_22\_alldata

&[6.0071]\$,&[12.067]\$,&[11.297]\$,&[11.667]\$,&[8.9005]\$,&[6.0963]\$,&[9.9057]\$,&[12.176]\$,&[8.2138]\$,&[6.1414]\$  
&[6.2042]\$,&[7.7032]\$,&[4.7554]\$,&[1.4882]\$,&[7.2947]\$,&[4.8352]\$,&[7.5799]\$,&[4.0418]\$,&[4.7252]\$,&[4.7079]\$  
&[12.068]\$,&[16.07]\$,&[11.592]\$,&[14.064]\$,&[11.386]\$,&[14.281]\$,&[14.201]\$,&[12.492]\$,&[11.435]\$,&[12.86]\$\br/>&[3.2301]\$,&[5.0094]\$,&[4.3722]\$,&[5.882]\$,&[5.6169]\$,&[3.8799]\$,&[4.5463]\$,&[4.251]\$,&[6.3523]\$,&[5.8809]\$  
&[8.7972]\$,&[7.6043]\$,&[7.79]\$,&[6.5491]\$,&[7.8401]\$,&[6.3972]\$,&[5.4551]\$,&[14.831]\$,&[13.694]\$,&[5.7877]\$  
&[6.3179]\$,&[2.4361]\$,&[3.0839]\$,&[7.3505]\$,&[0.29726]\$,&[1.5903]\$,&[2.1307]\$,&[5.1062]\$,&[6.2887]\$,&[7.0636]\$

#### BE18B022

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0055594

&[16.205]\$,&[16.361]\$,&[10.538]\$,&[13.378]\$,&[12.382]\$,&[13.734]\$,&[15.12]\$,&[14.818]\$,&[15.021]\$,&[13.473]\$  
&[8.1377]\$,&[12.679]\$,&[10.486]\$,&[13.189]\$,&[10.006]\$,&[6.5753]\$,&[7.3834]\$,&[9.3657]\$,&[11.987]\$,&[10.377]\$  
&[8.1987]\$,&[3.0028]\$,&[6.4458]\$,&[5.5699]\$,&[2.687]\$,&[4.4697]\$,&[8.1688]\$,&[3.0757]\$,&[8.3752]\$,&[6.7514]\$  
&[6.2876]\$,&[3.8845]\$,&[7.0837]\$,&[6.9064]\$,&[6.0682]\$,&[-0.5042]\$,&[9.6944]\$,&[6.3235]\$,&[2.4921]\$,&[6.3495]\$  
&[0.7942]\$,&[-0.31959]\$,&[3.8307]\$,&[0.071706]\$,&[1.2763]\$,&[1.7086]\$,&[4.0762]\$,&[3.0833]\$,&[0.93619]\$,&[0.9924]\$  
&[5.0685]\$,&[8.5572]\$,&[5.3168]\$,&[0.41462]\$,&[-0.27021]\$,&[9.269]\$,&[8.2808]\$,&[7.3261]\$,&[4.6188]\$,&[0.4386]\$  
&[11.77]\$,&[12.94]\$,&[10.999]\$,&[12.255]\$,&[9.5793]\$,&[8.9295]\$,&[11.461]\$,&[12.846]\$,&[8.6912]\$,&[11.823]\$  
&[15.717]\$,&[13.754]\$,&[18.641]\$,&[10.672]\$,&[15.005]\$,&[13.934]\$,&[10.359]\$,&[16.844]\$,&[9.5553]\$,&[3.4067]\$  
&[8.7533]\$,&[3.8332]\$,&[2.207]\$,&[3.3626]\$,&[5.5909]\$,&[6.4499]\$,&[0.96919]\$,&[6.4944]\$,&[6.6294]\$,&[-0.11864]\$  
&[8.9823]\$,&[8.9239]\$,&[7.824]\$,&[8.9282]\$,&[8.3422]\$,&[8.0969]\$,&[10.922]\$,&[9.3117]\$,&[9.0957]\$,&[8.7522]\$

#### BE18B030

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0056112

&[9.989]\$,&[1.6425]\$,&[10.301]\$,&[10.889]\$,&[5.2606]\$,&[9.6304]\$,&[5.3728]\$,&[5.6997]\$,&[5.5188]\$,&[7.3306]\$  
&[10.851]\$,&[9.5968]\$,&[13.189]\$,&[6.2926]\$,&[11.982]\$,&[11.75]\$,&[12.495]\$,&[11.475]\$,&[8.5006]\$,&[5.9344]\$  
&[10.91]\$,&[12.189]\$,&[12.628]\$,&[12.217]\$,&[15.976]\$,&[15.067]\$,&[15.62]\$,&[16.102]\$,&[16.798]\$,&[9.39]\$

BT2022\_qiii\_22\_alldata  
&[9.4015]\$,&[10.748]\$,&[16.798]\$,&[8.6536]\$,&[12.892]\$,&[15.093]\$,&[13.767]\$,&[14.439]\$,&[13.981]\$,&[10.692]\$\&[4.4603]\$,&[10.053]\$,&[9.4131]\$,&[11.838]\$,&[9.5949]\$,&[12.461]\$,&[11.319]\$,&[10.127]\$,&[6.7251]\$,&[11.081]\$\&[6.9401]\$,&[10.407]\$,&[9.0576]\$,&[9.7864]\$,&[10.968]\$,&[9.5651]\$,&[10.202]\$,&[14.956]\$,&[11.801]\$,&[9.5099]\$\&[10.983]\$,&[9.6861]\$,&[13.083]\$,&[10.418]\$,&[12.393]\$,&[10.083]\$,&[10.061]\$,&[11.991]\$,&[10.438]\$,&[10.528]\$\&[14.684]\$,&[13.125]\$,&[14.85]\$,&[15.585]\$,&[15.023]\$,&[15.429]\$,&[12.876]\$,&[17.512]\$,&[17.591]\$,&[11.984]\$\&[13.229]\$,&[11.771]\$,&[14.506]\$,&[16.635]\$,&[12.87]\$,&[8.1754]\$,&[14.099]\$,&[9.973]\$,&[14.801]\$,&[13.431]\$\&[13.248]\$,&[17.407]\$,&[13.633]\$,&[12.612]\$,&[16.684]\$,&[12.706]\$,&[16.166]\$,&[13.834]\$,&[15.387]\$,&[12.036]\$\

#### BE19B017

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.036913  
&[13.861]\$,&[17.459]\$,&[15.934]\$,&[17.915]\$,&[10.533]\$,&[15.878]\$,&[8.7205]\$,&[14.685]\$,&[10.357]\$,&[10.067]\$\&[15.051]\$,&[12.943]\$,&[14.048]\$,&[15.434]\$,&[13.954]\$,&[12.044]\$,&[11.964]\$,&[15.988]\$,&[15.861]\$,&[12.751]\$\&[11.921]\$,&[14.022]\$,&[11.506]\$,&[12.721]\$,&[9.9612]\$,&[11.085]\$,&[11.47]\$,&[12.53]\$,&[14.798]\$,&[12.147]\$\&[5.4334]\$,&[5.8175]\$,&[2.1951]\$,&[2.5325]\$,&[6.3741]\$,&[6.2536]\$,&[-0.37631]\$,&[5.4598]\$,&[5.0513]\$,&[8.1887]\$\&[7.3233]\$,&[9.8221]\$,&[4.5136]\$,&[4.6217]\$,&[8.5056]\$,&[2.8275]\$,&[5.2982]\$,&[6.4523]\$,&[7.3946]\$,&[8.1832]\$\&[10.376]\$,&[8.64]\$,&[12.566]\$,&[11.183]\$,&[2.3537]\$,&[12.353]\$,&[5.8401]\$,&[7.8246]\$,&[8.1171]\$,&[12.443]\$\&[9.0074]\$,&[8.5937]\$,&[4.8056]\$,&[9.1742]\$,&[8.108]\$,&[9.5564]\$,&[7.2486]\$,&[11.339]\$,&[7.8922]\$,&[7.4112]\$\&[8.0892]\$,&[8.69]\$,&[7.4497]\$,&[8.5271]\$,&[9.2617]\$,&[8.2048]\$,&[8.4999]\$,&[8.2562]\$,&[8.6579]\$,&[8.5713]\$\&[15.364]\$,&[16.597]\$,&[13.651]\$,&[10.298]\$,&[12.52]\$,&[15.352]\$,&[14.269]\$,&[10.929]\$,&[16.72]\$,&[20.454]\$\&[12.595]\$,&[12.349]\$,&[11.951]\$,&[12.37]\$,&[12.356]\$,&[11.05]\$,&[10.52]\$,&[12.723]\$,&[12.028]\$,&[11.639]\$\

#### BE19B034

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0060558  
&[13.153]\$,&[12.621]\$,&[9.7677]\$,&[9.7932]\$,&[11.519]\$,&[14.448]\$,&[5.5588]\$,&[3.0337]\$,&[4.0469]\$,&[5.4401]\$\&[9.3006]\$,&[11.793]\$,&[7.6842]\$,&[12.098]\$,&[12.72]\$,&[9.988]\$,&[8.6793]\$,&[-1.8998]\$,&[9.8264]\$,&[5.951]\$\

BT2022\_qiii\_22\_alldata

$\&[9.8357]\$$ , $\&[13.978]\$$ , $\&[9.5428]\$$ , $\&[10.38]\$$ , $\&[13.28]\$$ , $\&[8.3925]\$$ , $\&[10.838]\$$ , $\&[2.857]\$$ , $\&[4.0769]\$$ , $\&[9.0407]\$$   
 $\&[9.8194]\$$ , $\&[17.117]\$$ , $\&[10.147]\$$ , $\&[10.428]\$$ , $\&[15.121]\$$ , $\&[11.074]\$$ , $\&[6.5158]\$$ , $\&[6.0115]\$$ , $\&[3.4616]\$$ , $\&[2.4141]\$$   
 $\&[12.215]\$$ , $\&[13.867]\$$ , $\&[8.4315]\$$ , $\&[9.3698]\$$ , $\&[10.991]\$$ , $\&[8.7921]\$$ , $\&[3.4775]\$$ , $\&[4.5973]\$$ , $\&[7.1913]\$$ , $\&[5.4373]\$$   
 $\&[9.77]\$$ , $\&[12.467]\$$ , $\&[4.7688]\$$ , $\&[11.063]\$$ , $\&[10.168]\$$ , $\&[11.683]\$$ , $\&[6.5526]\$$ , $\&[4.9827]\$$ , $\&[7.575]\$$ , $\&[2.0206]\$$   
 $\&[10.095]\$$ , $\&[11.058]\$$ , $\&[11.165]\$$ , $\&[8.7547]\$$ , $\&[14.09]\$$ , $\&[12.219]\$$ , $\&[5.8088]\$$ , $\&[-0.84355]\$$ , $\&[4.0776]\$$ , $\&[3.3857]\$$   
 $\&[8.4174]\$$ , $\&[15.317]\$$ , $\&[6.9692]\$$ , $\&[11.182]\$$ , $\&[10.042]\$$ , $\&[11.43]\$$ , $\&[12.744]\$$ , $\&[6.1759]\$$ , $\&[5.0064]\$$ , $\&[4.4344]\$$   
 $\&[11.798]\$$ , $\&[21.443]\$$ , $\&[9.0504]\$$ , $\&[11.866]\$$ , $\&[13.234]\$$ , $\&[10.699]\$$ , $\&[8.2835]\$$ , $\&[4.9832]\$$ , $\&[6.9965]\$$ , $\&[3.9238]\$$   
 $\&[10.705]\$$ , $\&[13.561]\$$ , $\&[10.939]\$$ , $\&[11.518]\$$ , $\&[10.529]\$$ , $\&[12.044]\$$ , $\&[7.9814]\$$ , $\&[4.6027]\$$ , $\&[5.8053]\$$ , $\&[6.0553]\$$

#### BE20B002

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.045587

$\&[8.3632]\$$ , $\&[5.8457]\$$ , $\&[7.906]\$$ , $\&[7.3355]\$$ , $\&[8.277]\$$ , $\&[9.126]\$$ , $\&[6.9032]\$$ , $\&[9.174]\$$ , $\&[4.6227]\$$ , $\&[11.87]\$$   
 $\&[10.15]\$$ , $\&[5.8031]\$$ , $\&[8.0815]\$$ , $\&[8.2233]\$$ , $\&[8.9836]\$$ , $\&[4.6741]\$$ , $\&[6.3042]\$$ , $\&[9.856]\$$ , $\&[10.691]\$$ , $\&[11.128]\$$   
 $\&[5.1316]\$$ , $\&[7.556]\$$ , $\&[7.0407]\$$ , $\&[9.9098]\$$ , $\&[4.9884]\$$ , $\&[12.291]\$$ , $\&[10.777]\$$ , $\&[10.224]\$$ , $\&[15.132]\$$ , $\&[12.73]\$$   
 $\&[2.582]\$$ , $\&[2.4767]\$$ , $\&[0.030703]\$$ , $\&[1.9373]\$$ , $\&[2.2023]\$$ , $\&[1.5257]\$$ , $\&[3.2958]\$$ , $\&[-3.7169]\$$ , $\&[8.2921]\$$ , $\&[5.0598]\$$   
 $\&[8.5146]\$$ , $\&[9.0102]\$$ , $\&[9.0044]\$$ , $\&[7.3961]\$$ , $\&[3.934]\$$ , $\&[10.684]\$$ , $\&[7.8448]\$$ , $\&[7.7154]\$$ , $\&[7.7052]\$$ , $\&[5.84]\$$   
 $\&[14.51]\$$ , $\&[9.933]\$$ , $\&[11.026]\$$ , $\&[12.011]\$$ , $\&[14.795]\$$ , $\&[15.375]\$$ , $\&[12.6]\$$ , $\&[16.788]\$$ , $\&[18.602]\$$ , $\&[16.989]\$$   
 $\&[6.9651]\$$ , $\&[7.2232]\$$ , $\&[8.1773]\$$ , $\&[8.4711]\$$ , $\&[10.351]\$$ , $\&[10.257]\$$ , $\&[8.6041]\$$ , $\&[5.1866]\$$ , $\&[5.1962]\$$ , $\&[5.9492]\$$   
 $\&[5.5232]\$$ , $\&[5.1319]\$$ , $\&[5.4668]\$$ , $\&[5.5215]\$$ , $\&[9.0782]\$$ , $\&[5.1348]\$$ , $\&[5.4634]\$$ , $\&[2.8381]\$$ , $\&[3.8664]\$$ , $\&[3.7839]\$$   
 $\&[4.9026]\$$ , $\&[1.7524]\$$ , $\&[3.8029]\$$ , $\&[3.0929]\$$ , $\&[2.4786]\$$ , $\&[3.5117]\$$ , $\&[3.661]\$$ , $\&[5.1053]\$$ , $\&[5.6257]\$$ , $\&[2.777]\$$   
 $\&[2.4127]\$$ , $\&[2.8721]\$$ , $\&[2.5564]\$$ , $\&[2.8069]\$$ , $\&[2.3903]\$$ , $\&[2.7046]\$$ , $\&[2.2756]\$$ , $\&[2.1582]\$$ , $\&[3.0921]\$$ , $\&[2.3966]\$$

#### BE20B004

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.035512

$\&[10.736]\$$ , $\&[3.1033]\$$ , $\&[4.6822]\$$ , $\&[7.6043]\$$ , $\&[10.119]\$$ , $\&[6.1571]\$$ , $\&[9.4395]\$$ , $\&[8.9939]\$$ , $\&[5.5741]\$$ , $\&[7.0979]\$$

BT2022\_qiii\_22\_alldata

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&[8.1226]$,&[10.571]$,&[2.8971]$,&[4.7364]$,&[11.684]$,&[6.3838]$,&[12.352]$,&[12.0
03]$,&[8.3752]$,&[3.7358]$
&[3.5347]$,&[8.04]$,&[3.7704]$,&[5.7039]$,&[12.392]$,&[12.85]$,&[10.496]$,&[4.4245]
$,&[8.3425]$,&[7.2529]$
&[4.8023]$,&[5.9885]$,&[3.72]$,&[4.2135]$,&[9.7822]$,&[4.029]$,&[13.517]$,&[13.521]
$,&[7.4603]$,&[7.1495]$
&[7.0377]$,&[2.2197]$,&[2.488]$,&[6.2319]$,&[10.013]$,&[8.4294]$,&[10.65]$,&[6.6355]
]$,&[7.3671]$,&[4.5825]$
&[5.6572]$,&[6.6676]$,&[3.83]$,&[5.9757]$,&[13.203]$,&[9.3496]$,&[12.038]$,&[11.927]
]$,&[5.9765]$,&[10.554]$
&[7.6414]$,&[0.65483]$,&[3.9872]$,&[8.9008]$,&[9.5212]$,&[11.276]$,&[11.063]$,&[6.6
754]$,&[8.4966]$,&[9.4531]$
&[7.2989]$,&[6.8886]$,&[2.816]$,&[6.8285]$,&[12.81]$,&[6.8918]$,&[15.971]$,&[6.0034]
]$,&[8.7641]$,&[4.3314]$
&[3.9922]$,&[7.9558]$,&[2.9722]$,&[11.785]$,&[9.571]$,&[6.9427]$,&[8.9376]$,&[13.27
6]$,&[7.218]$,&[7.0592]$
&[0.95555]$,&[3.5293]$,&[4.2049]$,&[10.684]$,&[13.629]$,&[8.0384]$,&[11.73]$,&[11.1
24]$,&[4.4075]$,&[7.3909]$

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BE20B005

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.040052

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&[3.431]$,&[8.6332]$,&[11.153]$,&[10.294]$,&[3.4182]$,&[13.481]$,&[5.4568]$,&[-0.81
672]$,&[14.452]$,&[13.556]$
&[5.0385]$,&[8.4159]$,&[9.1231]$,&[14.797]$,&[4.1708]$,&[13.136]$,&[-6.5603]$,&[-0.
25966]$,&[9.9156]$,&[9.9123]$
&[5.8928]$,&[8.041]$,&[9.1213]$,&[17.695]$,&[2.887]$,&[12.405]$,&[3.1833]$,&[2.9322
]$,&[8.603]$,&[11.54]$
&[-1.2087]$,&[10.125]$,&[8.8904]$,&[14.006]$,&[5.9505]$,&[12.561]$,&[4.4378]$,&[0.9
4623]$,&[6.457]$,&[17.136]$
&[0.55725]$,&[8.7316]$,&[7.7494]$,&[12.42]$,&[5.0934]$,&[12.888]$,&[6.5758]$,&[-0.7
294]$,&[7.0005]$,&[16.361]$
&[5.5175]$,&[8.5812]$,&[4.8334]$,&[18.054]$,&[2.9943]$,&[12.989]$,&[-1.8097]$,&[5.0
067]$,&[5.121]$,&[11.868]$
&[5.1753]$,&[9.6447]$,&[7.6072]$,&[12.407]$,&[2.0316]$,&[12.969]$,&[5.7922]$,&[0.71
409]$,&[6.4366]$,&[9.3361]$
&[6.738]$,&[8.2999]$,&[6.0436]$,&[8.615]$,&[4.7972]$,&[12.721]$,&[-2.5668]$,&[0.053
712]$,&[6.4352]$,&[11.036]$
&[3.9528]$,&[7.7461]$,&[5.6183]$,&[10.367]$,&[1.5512]$,&[13.039]$,&[3.9848]$,&[0.99
193]$,&[8.624]$,&[13.547]$
&[6.15]$,&[7.4367]$,&[9.8264]$,&[8.8207]$,&[6.6546]$,&[12.325]$,&[-2.4735]$,&[3.342
7]$,&[10.704]$,&[16.888]$

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BE20B006

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.011581

BT2022\_qiii\_22\_alldata

&[11.841]\$,&[21.278]\$,&[16.337]\$,&[10.308]\$,&[15.202]\$,&[13.193]\$,&[16.039]\$,&[18.8  
64]\$,&[14.757]\$,&[13.458]\$  
&[14.821]\$,&[12.453]\$,&[10.343]\$,&[13.632]\$,&[10.028]\$,&[9.9844]\$,&[10.721]\$,&[10.2  
88]\$,&[15.526]\$,&[7.3881]\$  
&[9.2668]\$,&[7.8259]\$,&[7.3063]\$,&[12.663]\$,&[10.114]\$,&[11.764]\$,&[10.421]\$,&[13.5  
89]\$,&[9.1351]\$,&[8.0361]\$  
&[8.3998]\$,&[8.4031]\$,&[4.4038]\$,&[7.1477]\$,&[6.7572]\$,&[5.1216]\$,&[6.27]\$,&[9.6845  
]\$,&[6.8214]\$,&[4.5246]\$  
&[11.197]\$,&[9.5707]\$,&[8.4396]\$,&[10.505]\$,&[11.407]\$,&[9.954]\$,&[9.609]\$,&[9.4194  
]\$,&[9.2716]\$,&[10.852]\$  
&[9.7222]\$,&[14.862]\$,&[13.732]\$,&[17.538]\$,&[12.273]\$,&[15.117]\$,&[17.117]\$,&[13.5  
32]\$,&[15.573]\$,&[18.86]\$  
&[18.934]\$,&[13.325]\$,&[13.964]\$,&[16.229]\$,&[13.84]\$,&[14.775]\$,&[20.768]\$,&[14.76  
8]\$,&[13.613]\$,&[16.986]\$  
&[3.81]\$,&[13.5]\$,&[9.1945]\$,&[8.8757]\$,&[8.2889]\$,&[6.8041]\$,&[9.7938]\$,&[-0.27821  
]\$,&[8.3383]\$,&[11.234]\$  
&[1.8299]\$,&[2.7055]\$,&[2.2967]\$,&[0.48656]\$,&[4.1285]\$,&[3.1818]\$,&[0.75909]\$,&[4.  
239]\$,&[-1.2227]\$,&[0.528]\$  
&[2.6456]\$,&[5.0167]\$,&[2.1284]\$,&[-1.1545]\$,&[5.5952]\$,&[5.211]\$,&[4.0285]\$,&[4.70  
44]\$,&[4.9434]\$,&[0.63753]\$

#### BE20B009

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.043928

&[6.7598]\$,&[14.149]\$,&[7.9695]\$,&[10.591]\$,&[11.603]\$,&[6.809]\$,&[14.499]\$,&[8.391  
8]\$,&[8.0102]\$,&[9.4947]\$  
&[11.039]\$,&[8.7367]\$,&[12.09]\$,&[8.2949]\$,&[7.801]\$,&[8.8412]\$,&[11.734]\$,&[10.769  
]\$,&[6.9287]\$,&[14.697]\$  
&[9.3941]\$,&[8.489]\$,&[12.845]\$,&[12.174]\$,&[9.8102]\$,&[10.532]\$,&[9.8345]\$,&[11.86  
5]\$,&[10.689]\$,&[10.516]\$  
&[10.846]\$,&[13.824]\$,&[16.327]\$,&[11.625]\$,&[14.904]\$,&[10.775]\$,&[11.193]\$,&[16.5  
32]\$,&[10.795]\$,&[9.6964]\$  
&[-1.3966]\$,&[8.4774]\$,&[0.15711]\$,&[1.1925]\$,&[1.3122]\$,&[6.2952]\$,&[8.2799]\$,&[3.  
3979]\$,&[6.3501]\$,&[4.1689]\$  
&[16.23]\$,&[13.787]\$,&[13.082]\$,&[11.026]\$,&[10.726]\$,&[14.456]\$,&[11.297]\$,&[10.92  
7]\$,&[14.929]\$,&[13.59]\$  
&[7.2202]\$,&[6.2555]\$,&[7.002]\$,&[6.3776]\$,&[6.7713]\$,&[6.4412]\$,&[6.1603]\$,&[6.333  
]\$,&[7.2001]\$,&[6.4663]\$  
&[5.5097]\$,&[6.3396]\$,&[3.1076]\$,&[6.1369]\$,&[7.7597]\$,&[11.037]\$,&[4.4756]\$,&[7.21  
05]\$,&[4.9424]\$,&[3.6702]\$  
&[8.7462]\$,&[8.8311]\$,&[8.2464]\$,&[9.7724]\$,&[9.0162]\$,&[10.995]\$,&[8.737]\$,&[8.533  
6]\$,&[8.3083]\$,&[10.572]\$  
&[9.9346]\$,&[11.056]\$,&[10.754]\$,&[12.461]\$,&[10.657]\$,&[13.282]\$,&[11.074]\$,&[9.23  
76]\$,&[11.372]\$,&[13.16]\$

#### BE20B014

BT2022\_qiii\_22\_alldata

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.019308

&[11.098]\$,&[8.7257]\$,&[12.705]\$,&[5.1944]\$,&[8.0749]\$,&[8.0758]\$,&[10.21]\$,&[6.3832]\$,&[10.733]\$,&[11.914]\$  
&[10.202]\$,&[10.526]\$,&[10.106]\$,&[10.617]\$,&[10.836]\$,&[10.122]\$,&[11.919]\$,&[9.329]\$,&[12.61]\$,&[12.051]\$  
&[14.636]\$,&[12.948]\$,&[13.1]\$,&[12.055]\$,&[10.966]\$,&[13.382]\$,&[14.239]\$,&[12.307]\$,&[13.26]\$,&[12.688]\$  
&[2.4977]\$,&[1.0815]\$,&[5.3902]\$,&[1.2082]\$,&[0.36341]\$,&[3.2076]\$,&[4.1566]\$,&[4.1219]\$,&[0.17336]\$,&[3.4094]\$  
&[8.9162]\$,&[8.8678]\$,&[8.9015]\$,&[10.507]\$,&[10.42]\$,&[10.65]\$,&[8.8823]\$,&[9.3513]\$,&[9.7404]\$,&[9.2233]\$  
&[14.926]\$,&[14.392]\$,&[12.735]\$,&[14.845]\$,&[10.958]\$,&[14.578]\$,&[10.986]\$,&[11.092]\$,&[14.332]\$,&[14.007]\$  
&[5.7721]\$,&[2.0789]\$,&[5.3101]\$,&[6.1218]\$,&[6.3057]\$,&[7.4743]\$,&[4.3514]\$,&[3.9435]\$,&[5.9745]\$,&[4.2878]\$  
&[9.2356]\$,&[10.302]\$,&[12.434]\$,&[12.529]\$,&[9.1573]\$,&[10.412]\$,&[10.694]\$,&[8.1602]\$,&[13.286]\$,&[8.8818]\$  
&[12.336]\$,&[11.564]\$,&[12.638]\$,&[14.895]\$,&[10.127]\$,&[15.309]\$,&[13.21]\$,&[15.773]\$,&[16.121]\$,&[15.985]\$  
&[8.3149]\$,&[3.4954]\$,&[10.372]\$,&[6.5145]\$,&[8.0684]\$,&[4.7376]\$,&[8.1152]\$,&[5.0118]\$,&[10.727]\$,&[4.6565]\$

#### BE20B016

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.045636

&[12.8]\$,&[7.2593]\$,&[11.167]\$,&[4.8212]\$,&[2.4564]\$,&[7.4264]\$,&[13.892]\$,&[13.18]\$,&[7.1727]\$,&[6.1106]\$  
&[9.7118]\$,&[8.6756]\$,&[9.6115]\$,&[9.9082]\$,&[6.8753]\$,&[7.218]\$,&[14.943]\$,&[11.652]\$,&[7.6072]\$,&[0.0026092]\$  
&[10.801]\$,&[7.8939]\$,&[11.639]\$,&[9.06]\$,&[6.801]\$,&[6.6294]\$,&[13.116]\$,&[12.499]\$,&[7.0349]\$,&[4.7842]\$  
&[14.211]\$,&[8.4884]\$,&[13.18]\$,&[10.911]\$,&[4.1519]\$,&[8.4759]\$,&[15.506]\$,&[10.084]\$,&[6.5986]\$,&[0.3725]\$  
&[8.8901]\$,&[3.646]\$,&[13.289]\$,&[8.839]\$,&[3.5539]\$,&[10.62]\$,&[13.475]\$,&[10.87]\$,&[9.9032]\$,&[2.7626]\$  
&[10.528]\$,&[2.9026]\$,&[10.296]\$,&[7.685]\$,&[1.3561]\$,&[6.9184]\$,&[14.481]\$,&[10.711]\$,&[6.3441]\$,&[5.1392]\$  
&[11.611]\$,&[4.8584]\$,&[10.23]\$,&[8.9676]\$,&[6.2971]\$,&[7.4475]\$,&[10.947]\$,&[14.135]\$,&[6.0677]\$,&[3.2933]\$  
&[10.423]\$,&[3.2012]\$,&[11.645]\$,&[10.022]\$,&[1.1578]\$,&[11.853]\$,&[15.253]\$,&[15.791]\$,&[8.2452]\$,&[4.742]\$  
&[10.284]\$,&[1.3109]\$,&[10.215]\$,&[12.232]\$,&[8.7645]\$,&[15.347]\$,&[13.187]\$,&[11.535]\$,&[6.9185]\$,&[1.1191]\$  
&[13.273]\$,&[3.2559]\$,&[9.873]\$,&[9.001]\$,&[8.1113]\$,&[12.413]\$,&[11.658]\$,&[12.234]\$,&[6.9894]\$,&[2.5323]\$

BT2022\_qiii\_22\_alldata

BE20B020

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.040435

&[7.1837]\$,&[8.807]\$,&[8.8487]\$,&[8.2443]\$,&[15.113]\$,&[5.6454]\$,&[10.507]\$,&[14.928]\$,&[2.1146]\$,&[10.797]\$  
&[12.097]\$,&[8.2873]\$,&[8.939]\$,&[9.8994]\$,&[14.645]\$,&[12.804]\$,&[8.1338]\$,&[12.248]\$,&[1.8308]\$,&[8.8689]\$  
&[9.2604]\$,&[8.3443]\$,&[9.1578]\$,&[7.7548]\$,&[16.474]\$,&[7.3839]\$,&[10.43]\$,&[16.197]\$,&[2.3412]\$,&[9.2593]\$  
&[10.322]\$,&[10.147]\$,&[8.8769]\$,&[15.128]\$,&[14.938]\$,&[1.8441]\$,&[9.5157]\$,&[14.507]\$,&[2.9524]\$,&[8.861]\$  
&[9.911]\$,&[10.882]\$,&[8.9768]\$,&[12.812]\$,&[15.308]\$,&[4.3626]\$,&[9.9057]\$,&[14.093]\$,&[1.2711]\$,&[8.133]\$  
&[10.313]\$,&[5.6152]\$,&[8.9872]\$,&[7.8682]\$,&[13.947]\$,&[8.3864]\$,&[9.1498]\$,&[9.7714]\$,&[0.59883]\$,&[10.416]\$  
&[11.687]\$,&[12.379]\$,&[8.942]\$,&[16.206]\$,&[12.898]\$,&[11.977]\$,&[11.039]\$,&[13.771]\$,&[1.1043]\$,&[2.6448]\$  
&[11.794]\$,&[6.331]\$,&[8.879]\$,&[15.247]\$,&[13.885]\$,&[11.805]\$,&[10.089]\$,&[13.889]\$,&[1.5765]\$,&[6.3101]\$  
&[8.7422]\$,&[8.3739]\$,&[8.9216]\$,&[16.042]\$,&[9.1777]\$,&[4.4858]\$,&[9.4315]\$,&[12.599]\$,&[2.5312]\$,&[8.9176]\$  
&[8.0186]\$,&[10.55]\$,&[9.0476]\$,&[9.6354]\$,&[8.3969]\$,&[5.4886]\$,&[10.562]\$,&[13.65]\$,&[2.8731]\$,&[10.853]\$

BE20B025

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0039759

&[14.223]\$,&[16.554]\$,&[14.956]\$,&[14.601]\$,&[18.973]\$,&[14.602]\$,&[19.383]\$,&[10.812]\$,&[15.381]\$,&[16.67]\$  
&[9.7664]\$,&[13.609]\$,&[9.916]\$,&[15.591]\$,&[12.008]\$,&[11.727]\$,&[9.5785]\$,&[8.1274]\$,&[12.416]\$,&[8.9085]\$  
&[8.9719]\$,&[11.085]\$,&[12.332]\$,&[10.902]\$,&[11.881]\$,&[13.244]\$,&[10.653]\$,&[11.8]\$,&[11.96]\$,&[9.7716]\$  
&[1.1314]\$,&[0.40139]\$,&[1.3647]\$,&[2.1729]\$,&[2.9812]\$,&[3.1053]\$,&[1.1192]\$,&[4.6336]\$,&[0.69969]\$,&[3.5628]\$  
&[7.9722]\$,&[5.4323]\$,&[5.8433]\$,&[0.40935]\$,&[4.3233]\$,&[7.7894]\$,&[6.9395]\$,&[5.7697]\$,&[5.4906]\$,&[2.4519]\$  
&[2.5852]\$,&[1.9326]\$,&[4.2858]\$,&[4.1733]\$,&[2.5128]\$,&[4.7434]\$,&[3.9647]\$,&[4.543]\$,&[0.075208]\$,&[4.4257]\$  
&[13.817]\$,&[12.88]\$,&[9.9896]\$,&[12.276]\$,&[12.632]\$,&[11.649]\$,&[10.852]\$,&[9.7738]\$,&[14.257]\$,&[12.311]\$  
&[4.4687]\$,&[5.275]\$,&[0.52542]\$,&[7.3884]\$,&[6.1612]\$,&[11.043]\$,&[8.9952]\$,&[8.6731]\$,&[15.686]\$,&[9.0317]\$  
&[11.096]\$,&[7.9135]\$,&[11.263]\$,&[12.426]\$,&[11.184]\$,&[10.959]\$,&[7.0431]\$,&[10.851]\$,&[12.801]\$,&[9.6382]\$  
&[17.792]\$,&[10.778]\$,&[15.458]\$,&[14.681]\$,&[12.747]\$,&[13.774]\$,&[10.15]\$,&[17.96]

BT2022\_qiii\_22\_alldata

1]\$,&[14.85]\$,&[16.39]\$

BE20B029

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0061264

&[9.522]\$,&[12.032]\$,&[15.134]\$,&[11.55]\$,&[9.1766]\$,&[11.097]\$,&[9.2066]\$,&[10.056]  
]\$,&[10.761]\$,&[11.796]\$  
&[9.394]\$,&[3.6888]\$,&[2.5655]\$,&[4.9134]\$,&[5.2679]\$,&[3.792]\$,&[5.2588]\$,&[3.4468]  
]\$,&[4.5248]\$,&[4.0193]\$  
&[6.4403]\$,&[9.2939]\$,&[10.064]\$,&[8.8318]\$,&[9.2789]\$,&[9.3424]\$,&[10.879]\$,&[8.09  
47]\$,&[8.4456]\$,&[9.8431]\$  
&[12.906]\$,&[12.737]\$,&[12.553]\$,&[12.541]\$,&[12.632]\$,&[12.807]\$,&[12.47]\$,&[13.11  
2]\$,&[12.934]\$,&[13.029]\$  
&[12.816]\$,&[10.727]\$,&[13.766]\$,&[13.76]\$,&[10.161]\$,&[13.867]\$,&[12.756]\$,&[11.67  
]\$,&[12.035]\$,&[12.703]\$  
&[6.7525]\$,&[3.1122]\$,&[0.64762]\$,&[-0.41285]\$,&[2.5257]\$,&[5.3331]\$,&[-1.908]\$,&[2  
.6246]\$,&[0.0031891]\$,&[0.53337]\$  
&[4.3551]\$,&[4.1199]\$,&[3.7114]\$,&[3.2462]\$,&[3.2488]\$,&[4.0332]\$,&[4.5163]\$,&[4.49  
19]\$,&[3.7645]\$,&[4.6142]\$  
&[13.45]\$,&[5.2276]\$,&[12.028]\$,&[10.505]\$,&[8.4857]\$,&[10.003]\$,&[8.0219]\$,&[9.852  
4]\$,&[8.1648]\$,&[10.475]\$  
&[5.2613]\$,&[8.7643]\$,&[5.9304]\$,&[12.907]\$,&[5.8523]\$,&[8.4037]\$,&[10.058]\$,&[7.87  
27]\$,&[6.8846]\$,&[7.2225]\$  
&[9.7149]\$,&[10.339]\$,&[7.5978]\$,&[10.309]\$,&[7.3937]\$,&[6.9583]\$,&[8.7681]\$,&[10.4  
03]\$,&[9.7357]\$,&[8.3]\$

BE20B031

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.046355

&[11.611]\$,&[4.4276]\$,&[8.1618]\$,&[5.4393]\$,&[5.1549]\$,&[7.0516]\$,&[2.1479]\$,&[6.09  
03]\$,&[0.99894]\$,&[4.3368]\$  
&[12.821]\$,&[4.1662]\$,&[6.0756]\$,&[9.3563]\$,&[4.2648]\$,&[7.7097]\$,&[2.5642]\$,&[2.37  
84]\$,&[0.20289]\$,&[4.7334]\$  
&[9.4146]\$,&[4.0362]\$,&[5.8165]\$,&[4.2549]\$,&[5.8384]\$,&[9.7382]\$,&[5.3174]\$,&[3.97  
39]\$,&[4.4857]\$,&[4.1659]\$  
&[12.845]\$,&[3.7934]\$,&[6.4338]\$,&[6.2065]\$,&[4.1566]\$,&[9.2782]\$,&[8.4038]\$,&[4.78  
61]\$,&[0.93204]\$,&[5.4871]\$  
&[12.147]\$,&[4.9871]\$,&[7.0287]\$,&[8.2617]\$,&[6.7732]\$,&[9.0496]\$,&[4.9922]\$,&[6.68  
43]\$,&[1.4331]\$,&[4.5697]\$  
&[9.494]\$,&[4.664]\$,&[7.7608]\$,&[7.5355]\$,&[3.4243]\$,&[8.3805]\$,&[0.19709]\$,&[6.203  
8]\$,&[2.7207]\$,&[5.4403]\$  
&[13.205]\$,&[4.629]\$,&[8.2999]\$,&[10.017]\$,&[7.3803]\$,&[7.5891]\$,&[-0.10113]\$,&[7.7  
552]\$,&[2.7851]\$,&[2.0223]\$  
&[13.297]\$,&[4.4262]\$,&[2.4452]\$,&[9.4804]\$,&[5.4139]\$,&[8.7268]\$,&[6.2763]\$,&[3.14  
27]\$,&[1.7943]\$,&[5.4864]\$  
&[11.172]\$,&[4.2174]\$,&[6.7427]\$,&[5.2672]\$,&[2.2204]\$,&[6.6375]\$,&[4.7036]\$,&[2.79

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01]\$,&[0.98153]\$,&[4.3069]\$  
&[8.9695]\$,&[4.4517]\$,&[11.776]\$,&[5.2196]\$,&[7.0068]\$,&[6.2267]\$,&[4.5659]\$,&[3.33  
44]\$,&[0.76445]\$,&[4.0585]\$\n

BE20B034

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.018715

&[12.915]\$,&[7.719]\$,&[10.734]\$,&[11.547]\$,&[12.002]\$,&[16.309]\$,&[10.092]\$,&[17.10  
2]\$,&[9.6003]\$,&[12.236]\$  
&[4.9252]\$,&[1.386]\$,&[10.012]\$,&[5.7966]\$,&[3.0155]\$,&[3.8852]\$,&[4.4044]\$,&[6.118  
8]\$,&[2.2831]\$,&[3.3013]\$  
&[0.23439]\$,&[0.67621]\$,&[1.3336]\$,&[2.9593]\$,&[2.9366]\$,&[-0.65737]\$,&[1.9881]\$,&[  
0.24548]\$,&[-1.7307]\$,&[3.1495]\$  
&[14.681]\$,&[14.354]\$,&[14.245]\$,&[12.579]\$,&[14.025]\$,&[14.524]\$,&[15.139]\$,&[14.7  
24]\$,&[13.621]\$,&[15.789]\$  
&[13.556]\$,&[11.798]\$,&[8.174]\$,&[14.451]\$,&[5.2097]\$,&[12.427]\$,&[12.349]\$,&[16.47  
6]\$,&[11.605]\$,&[14.925]\$  
&[6.833]\$,&[8.4261]\$,&[8.3818]\$,&[10.296]\$,&[8.2693]\$,&[8.9969]\$,&[10.023]\$,&[8.413  
]\$,&[8.487]\$,&[7.8149]\$  
&[8.6639]\$,&[7.7916]\$,&[8.2858]\$,&[8.1747]\$,&[8.7705]\$,&[7.6115]\$,&[10.532]\$,&[8.97  
05]\$,&[11.117]\$,&[8.747]\$  
&[4.6889]\$,&[3.5452]\$,&[1.2617]\$,&[3.6274]\$,&[4.9722]\$,&[0.81963]\$,&[0.66265]\$,&[4.  
6872]\$,&[6.2256]\$,&[3.7343]\$  
&[7.2506]\$,&[9.3066]\$,&[8.2115]\$,&[9.6122]\$,&[9.1222]\$,&[8.8039]\$,&[7.7165]\$,&[10.2  
44]\$,&[7.7964]\$,&[8.9942]\$  
&[15.894]\$,&[12.474]\$,&[11.539]\$,&[8.7908]\$,&[15.829]\$,&[10.679]\$,&[10.838]\$,&[11.4  
1]\$,&[10.018]\$,&[16.316]\$

BE20B036

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.040332

&[15.838]\$,&[12.156]\$,&[18.375]\$,&[17.337]\$,&[12.996]\$,&[13.586]\$,&[12.131]\$,&[13.1  
69]\$,&[18.023]\$,&[12.201]\$  
&[3.6811]\$,&[4.0638]\$,&[2.2986]\$,&[3.1351]\$,&[4.77]\$,&[4.1673]\$,&[3.2579]\$,&[3.2371  
]\$,&[4.4369]\$,&[3.7275]\$  
&[12.999]\$,&[12.759]\$,&[14.479]\$,&[8.9925]\$,&[10.521]\$,&[9.2355]\$,&[12.389]\$,&[10.3  
72]\$,&[13.621]\$,&[12.49]\$  
&[2.2812]\$,&[4.4139]\$,&[3.5201]\$,&[3.9124]\$,&[3.9396]\$,&[6.5897]\$,&[2.5243]\$,&[5.51  
11]\$,&[0.4775]\$,&[5.913]\$  
&[5.4472]\$,&[2.2718]\$,&[5.3686]\$,&[1.4107]\$,&[4.1459]\$,&[4.4759]\$,&[4.4714]\$,&[5.33  
32]\$,&[1.6941]\$,&[2.799]\$  
&[4.4525]\$,&[1.1161]\$,&[1.2208]\$,&[2.3361]\$,&[3.6974]\$,&[6.5167]\$,&[3.5102]\$,&[5.11  
53]\$,&[3.894]\$,&[3.3886]\$  
&[1.6687]\$,&[4.3205]\$,&[5.5324]\$,&[-1.1516]\$,&[4.9779]\$,&[6.9795]\$,&[-1.0635]\$,&[1.  
6721]\$,&[3.4608]\$,&[2.0674]\$  
&[5.1026]\$,&[5.5311]\$,&[5.7039]\$,&[4.6613]\$,&[4.3856]\$,&[4.9463]\$,&[8.1615]\$,&[8.96

BT2022\_qiii\_22\_alldata  
8],&[8.3162],&[6.6018]  
&[5.9011],&[7.9595],&[8.8956],&[5.0642],&[6.4845],&[8.7118],&[7.0759],&[4.85  
89],&[5.7687],&[6.6692]  
&[8.655],&[12.219],&[5.4767],&[15.943],&[13.18],&[9.8126],&[15.762],&[11.663

#### BE20B037

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.033833  
&[6.581],&[4.6618],&[6.6635],&[4.9412],&[4.7633],&[4.8815],&[5.3526],&[3.969  
3],&[5.4353],&[5.5995]  
&[13.047],&[12.04],&[14.379],&[15.419],&[12.597],&[14.92],&[12.185],&[12.275

#### BE20B040

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.029359  
&[12.221],&[13.66],&[12.785],&[11.638],&[17.088],&[18.258],&[16.801],&[14.78  
4],&[16.449],&[15.762]  
&[11.389],&[13.059],&[13.399],&[14.833],&[15.581],&[11.734],&[4.6111],&[14.8  
93],&[13.56],&[10.206]  
&[14.358],&[8.2397],&[6.3098],&[10.484],&[7.6116],&[15.794],&[11.642],&[10.2  
93],&[11.622],&[8.0296]  
&[4.3237],&[8.5477],&[4.4093],&[7.1157],&[8.4793],&[0.80843],&[9.4671],&[1.6  
621],&[3.8872],&[8.3173]  
&[11.113],&[11.754],&[10.692],&[11.121],&[10.823],&[13.01],&[10.524],&[11.84  
5],&[10.027],&[12.05]  
&[4.3948],&[4.6888],&[3.9905],&[4.2565],&[5.4119],&[4.913],&[6.1313],&[6.470  
2],&[5.0767],&[1.1471]  
&[17.908],&[16.399],&[12.9],&[11.993],&[11.462],&[13.387],&[11.013],&[13.891

BT2022\_qiii\_22\_alldata

]\$,&[16.728]\$,&[18.05]\$  
&[6.137]\$,&[6.4135]\$,&[7.2451]\$,&[5.5839]\$,&[7.1838]\$,&[6.2636]\$,&[5.8845]\$,&[6.835  
6]\$,&[6.5619]\$,&[7.7431]\$  
&[9.863]\$,&[11.777]\$,&[10.783]\$,&[10.501]\$,&[11.117]\$,&[11.38]\$,&[11.363]\$,&[11.445  
]\$,&[5.6768]\$,&[6.6949]\$  
&[9.4134]\$,&[6.4612]\$,&[6.7324]\$,&[5.8974]\$,&[5.9458]\$,&[9.3964]\$,&[7.9639]\$,&[3.47  
3]\$,&[8.7676]\$,&[6.6428]\$

BS20B001

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.019784  
&[15.248]\$,&[2.3138]\$,&[8.7099]\$,&[13.947]\$,&[7.0787]\$,&[4.451]\$,&[7.0925]\$,&[9.874  
6]\$,&[10.344]\$,&[10.338]\$  
&[12.562]\$,&[7.3408]\$,&[9.1845]\$,&[10.162]\$,&[5.4566]\$,&[-2.299]\$,&[5.9949]\$,&[8.86  
6]\$,&[11.794]\$,&[17.831]\$  
&[14.948]\$,&[2.4392]\$,&[5.9958]\$,&[13.162]\$,&[8.0822]\$,&[2.6115]\$,&[6.3863]\$,&[6.39  
87]\$,&[10.155]\$,&[19.427]\$  
&[14.703]\$,&[3.2074]\$,&[3.6461]\$,&[9.6212]\$,&[9.3034]\$,&[6.7983]\$,&[7.5377]\$,&[12.7  
43]\$,&[9.2489]\$,&[11.396]\$  
&[12.701]\$,&[4.0113]\$,&[9.0043]\$,&[11.247]\$,&[1.9665]\$,&[5.2499]\$,&[8.7618]\$,&[5.40  
13]\$,&[7.8424]\$,&[10.166]\$  
&[13.139]\$,&[4.6323]\$,&[3.6433]\$,&[10.262]\$,&[7.6576]\$,&[6.6475]\$,&[6.2681]\$,&[3.12  
41]\$,&[10.459]\$,&[10.794]\$  
&[13.531]\$,&[8.6952]\$,&[6.3691]\$,&[13.88]\$,&[10.951]\$,&[4.9187]\$,&[6.0142]\$,&[3.333  
7]\$,&[9.9048]\$,&[11.075]\$  
&[11.399]\$,&[9.7818]\$,&[7.0486]\$,&[14.26]\$,&[8.5221]\$,&[3.2329]\$,&[8.0043]\$,&[11.75  
9]\$,&[8.9813]\$,&[17.723]\$  
&[15.481]\$,&[4.9011]\$,&[11.258]\$,&[11.853]\$,&[5.1003]\$,&[-2.1631]\$,&[8.8549]\$,&[7.7  
969]\$,&[8.6853]\$,&[14.557]\$  
&[14.66]\$,&[9.1756]\$,&[9.8935]\$,&[13.648]\$,&[8.8398]\$,&[1.6726]\$,&[10.166]\$,&[9.930  
1]\$,&[8.7868]\$,&[14.564]\$

BS20B002

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.021309  
&[4.3745]\$,&[2.1975]\$,&[3.6773]\$,&[2.279]\$,&[0.25048]\$,&[0.9192]\$,&[3.5926]\$,&[4.04  
46]\$,&[2.9946]\$,&[2.7471]\$  
&[6.842]\$,&[5.2742]\$,&[4.553]\$,&[8.6925]\$,&[2.1318]\$,&[4.5562]\$,&[6.9483]\$,&[3.7421  
]\$,&[6.0376]\$,&[9.1412]\$  
&[10.531]\$,&[7.4705]\$,&[7.9241]\$,&[8.731]\$,&[9.1352]\$,&[11.797]\$,&[7.1812]\$,&[10.69  
8]\$,&[5.7339]\$,&[10.5]\$  
&[15.224]\$,&[14.605]\$,&[14.384]\$,&[15.761]\$,&[12.911]\$,&[16.388]\$,&[13.986]\$,&[9.92  
92]\$,&[13.739]\$,&[14.356]\$  
&[5.2114]\$,&[-1.365]\$,&[6.0023]\$,&[3.6282]\$,&[2.8764]\$,&[4.7659]\$,&[5.1441]\$,&[-1.0  
183]\$,&[-2.6205]\$,&[3.6411]\$  
&[15.991]\$,&[14.509]\$,&[11.336]\$,&[11.917]\$,&[10.492]\$,&[16.832]\$,&[11.704]\$,&[12.3

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09]\$,&[10.05]\$,&[10.408]\$  
&[1.727]\$,&[2.5673]\$,&[2.5024]\$,&[4.1246]\$,&[1.6737]\$,&[1.677]\$,&[4.2158]\$,&[3.788]  
\$,&[4.7209]\$,&[7.0925]\$  
&[13.314]\$,&[9.2176]\$,&[13.456]\$,&[18.286]\$,&[11.786]\$,&[13.799]\$,&[13.138]\$,&[7.58  
52]\$,&[13.867]\$,&[9.5057]\$  
&[6.4942]\$,&[7.9534]\$,&[8.4224]\$,&[7.9472]\$,&[7.8975]\$,&[7.7388]\$,&[7.6713]\$,&[6.58  
26]\$,&[9.5251]\$,&[6.6591]\$  
&[12.425]\$,&[13.43]\$,&[9.9189]\$,&[9.1468]\$,&[10.719]\$,&[10.102]\$,&[12.747]\$,&[9.332  
2]\$,&[14.629]\$,&[5.7529]\$

#### BS20B003

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0017368  
&[2.6116]\$,&[5.9924]\$,&[-1.5435]\$,&[6.0398]\$,&[7.253]\$,&[2.8203]\$,&[10.269]\$,&[7.58  
15]\$,&[5.5193]\$,&[-0.26268]\$  
&[1.0597]\$,&[6.321]\$,&[0.42742]\$,&[4.2339]\$,&[2.2178]\$,&[4.727]\$,&[8.81]\$,&[5.8961]  
\$,&[5.559]\$,&[2.5257]\$  
&[11.574]\$,&[9.3081]\$,&[11.151]\$,&[9.1294]\$,&[11.848]\$,&[6.9405]\$,&[8.4271]\$,&[9.95  
74]\$,&[13.542]\$,&[10.725]\$  
&[4.9312]\$,&[9.3878]\$,&[10.479]\$,&[6.9789]\$,&[7.1294]\$,&[6.2779]\$,&[10.914]\$,&[9.67  
82]\$,&[6.2237]\$,&[9.5412]\$  
&[15.344]\$,&[11.089]\$,&[4.9848]\$,&[12.643]\$,&[14.126]\$,&[12.21]\$,&[11.283]\$,&[11.30  
8]\$,&[11.182]\$,&[12.329]\$  
&[5.0584]\$,&[4.4564]\$,&[3.7436]\$,&[4.1426]\$,&[3.1757]\$,&[5.1688]\$,&[2.0211]\$,&[2.56  
98]\$,&[2.6861]\$,&[4.8595]\$  
&[6.6599]\$,&[7.2937]\$,&[5.8337]\$,&[4.4325]\$,&[7.6486]\$,&[4.0561]\$,&[5.7536]\$,&[5.13  
06]\$,&[3.9503]\$,&[2.1771]\$  
&[9.6218]\$,&[13.621]\$,&[15.136]\$,&[16.283]\$,&[9.296]\$,&[7.8228]\$,&[14.157]\$,&[10.34  
7]\$,&[13.655]\$,&[11.963]\$  
&[7.5503]\$,&[7.689]\$,&[10.839]\$,&[11.989]\$,&[11.734]\$,&[12.62]\$,&[9.5875]\$,&[10.605  
]\$,&[7.8483]\$,&[12.214]\$  
&[12.547]\$,&[13.518]\$,&[9.8845]\$,&[18.089]\$,&[12.69]\$,&[11.119]\$,&[7.8616]\$,&[16.89  
7]\$,&[12.089]\$,&[14.013]\$

#### BS20B004

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.045234  
&[13.788]\$,&[6.5344]\$,&[2.0189]\$,&[12.656]\$,&[9.0352]\$,&[13.516]\$,&[2.4393]\$,&[5.83  
27]\$,&[11.664]\$,&[12.453]\$  
&[10.137]\$,&[12.025]\$,&[2.5509]\$,&[7.8085]\$,&[7.4363]\$,&[11.393]\$,&[3.8687]\$,&[1.48  
91]\$,&[12.578]\$,&[8.9089]\$  
&[12.038]\$,&[11.764]\$,&[8.2196]\$,&[13.475]\$,&[6.3606]\$,&[13.389]\$,&[4.5051]\$,&[7.21  
81]\$,&[11.859]\$,&[17.894]\$  
&[10.364]\$,&[2.4813]\$,&[5.4234]\$,&[9.6494]\$,&[3.1194]\$,&[10.904]\$,&[0.51595]\$,&[1.7  
442]\$,&[13.182]\$,&[9.1244]\$  
&[17.042]\$,&[4.2785]\$,&[5.3907]\$,&[9.6673]\$,&[6.5746]\$,&[13.115]\$,&[3.9923]\$,&[3.40

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41]\$,&[11.582]\$,&[13.491]\$  
&[10.356]\$,&[10.326]\$,&[-0.56158]\$,&[8.444]\$,&[6.6118]\$,&[11.873]\$,&[4.309]\$,&[9.90  
55]\$,&[12.826]\$,&[16.769]\$  
&[16.52]\$,&[12.425]\$,&[3.2308]\$,&[8.7031]\$,&[5.2194]\$,&[9.9311]\$,&[1.5427]\$,&[9.918  
6]\$,&[14.569]\$,&[10.156]\$  
&[7.951]\$,&[10.965]\$,&[8.4161]\$,&[8.6112]\$,&[5.0534]\$,&[15.441]\$,&[3.0115]\$,&[7.984  
1]\$,&[13.224]\$,&[13.455]\$  
&[14.535]\$,&[14.573]\$,&[7.6856]\$,&[6.8747]\$,&[6.0895]\$,&[8.8652]\$,&[1.1704]\$,&[1.53  
33]\$,&[12.93]\$,&[12.896]\$  
&[10.788]\$,&[10.775]\$,&[0.37956]\$,&[8.9631]\$,&[10.227]\$,&[11.881]\$,&[0.81208]\$,&[7.  
2348]\$,&[13.898]\$,&[14.631]\$

BS20B005

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.039977

&[6.8451]\$,&[2.5427]\$,&[3.1028]\$,&[1.2731]\$,&[15.176]\$,&[2.6065]\$,&[11.758]\$,&[8.77  
29]\$,&[4.9595]\$,&[9.3085]\$  
&[10.307]\$,&[4.8386]\$,&[3.7967]\$,&[3.0413]\$,&[11.229]\$,&[4.5157]\$,&[12.655]\$,&[11.1  
61]\$,&[5.4012]\$,&[9.6682]\$  
&[7.8228]\$,&[8.0127]\$,&[3.0272]\$,&[-2.8803]\$,&[13.544]\$,&[2.4541]\$,&[12.868]\$,&[11.  
54]\$,&[4.8357]\$,&[13.086]\$  
&[10.918]\$,&[4.3488]\$,&[3.8078]\$,&[1.1184]\$,&[12.956]\$,&[2.3203]\$,&[9.6393]\$,&[15.4  
6]\$,&[10.635]\$,&[9.5073]\$  
&[4.4762]\$,&[3.9812]\$,&[1.9348]\$,&[3.1913]\$,&[13.313]\$,&[4.8823]\$,&[16.385]\$,&[11.0  
63]\$,&[8.1823]\$,&[11.903]\$  
&[6.6522]\$,&[6.0364]\$,&[1.98]\$,&[2.144]\$,&[13.846]\$,&[1.9799]\$,&[12.051]\$,&[14.023]  
\$,&[6.1066]\$,&[9.8473]\$  
&[10.507]\$,&[4.9903]\$,&[6.0499]\$,&[3.7706]\$,&[13.164]\$,&[4.7323]\$,&[12.797]\$,&[13.9  
17]\$,&[8.305]\$,&[11.882]\$  
&[5.2472]\$,&[5.7155]\$,&[2.1722]\$,&[1.5732]\$,&[13.127]\$,&[1.9425]\$,&[15.504]\$,&[13.7  
26]\$,&[8.2076]\$,&[15.24]\$  
&[12.86]\$,&[6.7375]\$,&[5.4442]\$,&[3.4235]\$,&[12.405]\$,&[2.1902]\$,&[5.6652]\$,&[12.48  
4]\$,&[7.8165]\$,&[13.098]\$  
&[7.3004]\$,&[3.281]\$,&[1.3544]\$,&[-1.0947]\$,&[12.631]\$,&[4.5593]\$,&[9.7165]\$,&[12.2  
14]\$,&[5.9847]\$,&[10.743]\$

BS20B006

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0081992

&[12.832]\$,&[4.5839]\$,&[3.0173]\$,&[9.092]\$,&[14.032]\$,&[6.4424]\$,&[13.692]\$,&[11.14  
5]\$,&[4.0017]\$,&[11.382]\$  
&[13.744]\$,&[3.846]\$,&[3.2028]\$,&[8.5066]\$,&[14.488]\$,&[14.987]\$,&[15.823]\$,&[12.27  
6]\$,&[1.3309]\$,&[11.032]\$  
&[10.791]\$,&[4.4924]\$,&[1.9906]\$,&[13.157]\$,&[13.487]\$,&[10.803]\$,&[12.62]\$,&[6.749  
1]\$,&[0.1946]\$,&[8.1516]\$  
&[8.1404]\$,&[3.7465]\$,&[6.6738]\$,&[13.402]\$,&[12.92]\$,&[7.4692]\$,&[15.018]\$,&[10.49

BT2022\_qiii\_22\_alldata  
1]\$,&[1.4461]\$,&[8.3925]\$  
&[8.3753]\$,&[7.3634]\$,&[1.4234]\$,&[9.1841]\$,&[12.826]\$,&[7.9816]\$,&[13.898]\$,&[13.6  
41]\$,&[4.887]\$,&[8.6729]\$  
&[12.628]\$,&[0.35838]\$,&[7.8546]\$,&[8.9534]\$,&[11.755]\$,&[12.633]\$,&[14.716]\$,&[11.  
851]\$,&[1.6968]\$,&[10.642]\$  
&[6.1611]\$,&[6.4452]\$,&[9.7181]\$,&[9.8305]\$,&[15.085]\$,&[11.905]\$,&[14.668]\$,&[16.6  
21]\$,&[2.4344]\$,&[7.8072]\$  
&[13.009]\$,&[5.5361]\$,&[2.5604]\$,&[10.977]\$,&[16.091]\$,&[5.9337]\$,&[10.366]\$,&[11.4  
93]\$,&[3.6421]\$,&[8.2103]\$  
&[14.286]\$,&[2.8036]\$,&[6.8329]\$,&[8.3602]\$,&[15.719]\$,&[8.741]\$,&[13.615]\$,&[10.45  
2]\$,&[1.3338]\$,&[17.059]\$  
&[13.804]\$,&[8.4921]\$,&[10.368]\$,&[10.641]\$,&[15.129]\$,&[12.027]\$,&[12.098]\$,&[9.63  
21]\$,&[0.54458]\$,&[10.402]\$

BS20B007  
ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.035281  
&[6.5189]\$,&[7.1101]\$,&[3.3523]\$,&[13.204]\$,&[3.8853]\$,&[12.399]\$,&[5.4458]\$,&[10.1  
86]\$,&[6.4513]\$,&[9.1198]\$  
&[7.4966]\$,&[6.7261]\$,&[2.4091]\$,&[10.729]\$,&[3.0134]\$,&[4.4747]\$,&[7.5282]\$,&[11.1  
94]\$,&[7.1491]\$,&[10.416]\$  
&[2.7698]\$,&[9.1946]\$,&[4.3389]\$,&[12.965]\$,&[3.1892]\$,&[6.6417]\$,&[8.374]\$,&[10.04  
1]\$,&[11.69]\$,&[9.5998]\$  
&[1.7959]\$,&[8.1034]\$,&[3.0813]\$,&[9.2347]\$,&[2.5286]\$,&[11.461]\$,&[4.2931]\$,&[9.08  
38]\$,&[6.4189]\$,&[9.6478]\$  
&[8.1149]\$,&[9.6635]\$,&[-1.0141]\$,&[11.479]\$,&[3.167]\$,&[8.1958]\$,&[-0.31166]\$,&[10  
.524]\$,&[7.151]\$,&[9.5501]\$  
&[3.9818]\$,&[12.764]\$,&[2.2809]\$,&[8.9118]\$,&[1.0132]\$,&[10.721]\$,&[2.4773]\$,&[12.9  
67]\$,&[11.496]\$,&[9.8591]\$  
&[2.9257]\$,&[8.1672]\$,&[4.6281]\$,&[6.297]\$,&[3.7143]\$,&[11.051]\$,&[7.5782]\$,&[12.72  
1]\$,&[6.9715]\$,&[9.5384]\$  
&[3.2919]\$,&[6.1828]\$,&[2.1263]\$,&[9.546]\$,&[4.0899]\$,&[8.1241]\$,&[0.7246]\$,&[12.64  
]\$,&[13.926]\$,&[10.025]\$  
&[7.7779]\$,&[11.486]\$,&[3.6446]\$,&[9.2314]\$,&[3.7546]\$,&[11.612]\$,&[2.3749]\$,&[10.7  
3]\$,&[4.4933]\$,&[10.072]\$  
&[1.8442]\$,&[6.9448]\$,&[3.4012]\$,&[6.7499]\$,&[2.1147]\$,&[9.5831]\$,&[0.81861]\$,&[9.8  
286]\$,&[9.9225]\$,&[10.18]\$

BS20B008  
ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.015395  
&[7.025]\$,&[-4.0482]\$,&[2.0918]\$,&[6.4584]\$,&[5.4443]\$,&[0.60267]\$,&[9.6176]\$,&[10.  
676]\$,&[5.2429]\$,&[7.3318]\$  
&[10.927]\$,&[12.069]\$,&[12.08]\$,&[12.086]\$,&[15.92]\$,&[13.708]\$,&[11.592]\$,&[9.1914  
]\$,&[13.425]\$,&[17.23]\$  
&[12.825]\$,&[12.581]\$,&[11.764]\$,&[11.632]\$,&[10.452]\$,&[14.815]\$,&[12.847]\$,&[10.3

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03]\$,&[12.705]\$,&[14.106]\$  
&[9.9443]\$,&[16.955]\$,&[13.785]\$,&[14.148]\$,&[16.023]\$,&[16.158]\$,&[11.83]\$,&[18.66  
5]\$,&[9.1096]\$,&[12.309]\$  
&[0.26197]\$,&[3.4634]\$,&[3.9247]\$,&[3.6752]\$,&[2.7268]\$,&[0.97317]\$,&[3.0316]\$,&[0.  
87108]\$,&[1.3839]\$,&[6.1575]\$  
&[14.846]\$,&[14.98]\$,&[12.646]\$,&[13.044]\$,&[14.402]\$,&[14.399]\$,&[11.95]\$,&[14.092  
]\$,&[13.782]\$,&[14.709]\$  
&[15.336]\$,&[12.821]\$,&[14.687]\$,&[12.118]\$,&[14.93]\$,&[11.837]\$,&[14.138]\$,&[15.50  
5]\$,&[13.058]\$,&[14.74]\$  
&[11.943]\$,&[13.621]\$,&[11.709]\$,&[8.1007]\$,&[11.886]\$,&[12]\$,&[11.756]\$,&[16.682]\$  
,&[19.126]\$,&[8.5103]\$  
&[2.8367]\$,&[2.4945]\$,&[5.644]\$,&[6.3789]\$,&[4.1028]\$,&[5.0421]\$,&[2.579]\$,&[5.014]  
\$,&[1.3563]\$,&[5.7354]\$  
&[12.87]\$,&[15.901]\$,&[11.032]\$,&[13.298]\$,&[14.233]\$,&[15.939]\$,&[14.975]\$,&[11.21  
8]\$,&[12.549]\$,&[10.277]\$

BS20B011

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0029068

&[10.658]\$,&[7.1551]\$,&[1.9753]\$,&[9.6319]\$,&[12.623]\$,&[19.343]\$,&[16.715]\$,&[8.18  
66]\$,&[3.9334]\$,&[10.183]\$  
&[8.0153]\$,&[7.1888]\$,&[6.7636]\$,&[3.6326]\$,&[14.963]\$,&[10.766]\$,&[14.517]\$,&[6.94  
74]\$,&[3.0447]\$,&[10.94]\$  
&[8.0911]\$,&[11.34]\$,&[4.9515]\$,&[7.1048]\$,&[1.0752]\$,&[16]\$,&[16.176]\$,&[2.483]\$,&  
[1.3391]\$,&[8.4703]\$  
&[11.034]\$,&[8.5571]\$,&[2.3891]\$,&[-0.51067]\$,&[8.9186]\$,&[17.29]\$,&[15.412]\$,&[5.9  
455]\$,&[11.314]\$,&[10.829]\$  
&[9.8888]\$,&[9.0014]\$,&[6.2802]\$,&[-0.54109]\$,&[7.8553]\$,&[15.312]\$,&[15.075]\$,&[13  
.276]\$,&[3.7867]\$,&[9.81]\$  
&[11.52]\$,&[8.4201]\$,&[2.9286]\$,&[3.4342]\$,&[3.679]\$,&[11.937]\$,&[16.205]\$,&[7.6519  
]\$,&[5.0565]\$,&[10.882]\$  
&[7.7025]\$,&[12.975]\$,&[3.5659]\$,&[2.8768]\$,&[8.3911]\$,&[16.489]\$,&[13.612]\$,&[5.96  
1]\$,&[9.2267]\$,&[10.079]\$  
&[10.459]\$,&[11.274]\$,&[5.1639]\$,&[2.2453]\$,&[9.2809]\$,&[11.769]\$,&[16.451]\$,&[-1.3  
065]\$,&[7.1865]\$,&[9.8273]\$  
&[11.622]\$,&[9.401]\$,&[0.87964]\$,&[4.214]\$,&[9.1327]\$,&[15.266]\$,&[14.794]\$,&[2.998  
5]\$,&[9.7029]\$,&[7.8643]\$  
&[12.89]\$,&[9.7671]\$,&[7.3614]\$,&[8.024]\$,&[0.78123]\$,&[10.842]\$,&[15.903]\$,&[4.111  
7]\$,&[8.5889]\$,&[8.8697]\$

BS20B012

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.036392

&[13.507]\$,&[14.758]\$,&[7.266]\$,&[10.661]\$,&[5.441]\$,&[4.6341]\$,&[2.4856]\$,&[6.4043  
]\$,&[7.8498]\$,&[-0.12049]\$  
&[10.365]\$,&[15.135]\$,&[7.3279]\$,&[13.111]\$,&[1.0865]\$,&[4.2438]\$,&[1.5866]\$,&[7.02

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26]\$,&[8.2321]\$,&[6.1021]\$  
&[9.677]\$,&[14.916]\$,&[6.7857]\$,&[13.416]\$,&[1.8836]\$,&[4.2807]\$,&[6.9977]\$,&[8.284  
6]\$,&[3.4757]\$,&[2.2381]\$  
&[19.022]\$,&[15.386]\$,&[8.102]\$,&[12.301]\$,&[4.8758]\$,&[4.4732]\$,&[0.83754]\$,&[9.45  
37]\$,&[6.1577]\$,&[-0.18272]\$  
&[5.3509]\$,&[14.754]\$,&[0.5155]\$,&[8.4516]\$,&[1.6227]\$,&[1.1566]\$,&[1.9054]\$,&[8.44  
2]\$,&[6.2426]\$,&[3.8932]\$  
&[8.8223]\$,&[15.087]\$,&[1.4134]\$,&[14.707]\$,&[8.2946]\$,&[1.9539]\$,&[4.4171]\$,&[5.61  
35]\$,&[11.476]\$,&[1.3841]\$  
&[9.4141]\$,&[14.967]\$,&[10.252]\$,&[14.817]\$,&[6.8481]\$,&[3.1828]\$,&[2.6885]\$,&[8.01  
99]\$,&[5.028]\$,&[5.8732]\$  
&[13.853]\$,&[15.312]\$,&[8.0685]\$,&[12.605]\$,&[5.6852]\$,&[-0.83719]\$,&[5.0089]\$,&[4.  
928]\$,&[11.332]\$,&[-0.21783]\$  
&[9.3349]\$,&[14.949]\$,&[7.9662]\$,&[10.495]\$,&[3.1927]\$,&[10.482]\$,&[4.0058]\$,&[7.45  
07]\$,&[8.5822]\$,&[4.4946]\$  
&[9.8194]\$,&[15.057]\$,&[4.2356]\$,&[10.462]\$,&[1.4775]\$,&[4.7091]\$,&[4.8154]\$,&[7.15  
62]\$,&[12.209]\$,&[3.3914]\$

BS20B013

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.014507

&[11.69]\$,&[10.965]\$,&[16.186]\$,&[5.4465]\$,&[9.362]\$,&[9.8]\$,&[6.8675]\$,&[11.406]\$,  
&[9.7006]\$,&[13.018]\$  
&[14.357]\$,&[12.5]\$,&[13.31]\$,&[3.9609]\$,&[12.943]\$,&[12.722]\$,&[3.4004]\$,&[12.833]  
\$,&[10.123]\$,&[15.977]\$  
&[15.872]\$,&[11.495]\$,&[14.513]\$,&[5.7853]\$,&[4.8062]\$,&[5.9017]\$,&[3.7111]\$,&[10.9  
77]\$,&[10.022]\$,&[14.881]\$  
&[10.199]\$,&[12.551]\$,&[12.554]\$,&[2.7694]\$,&[5.6556]\$,&[9.7101]\$,&[3.7807]\$,&[13.6  
26]\$,&[10.575]\$,&[15.584]\$  
&[15.885]\$,&[9.8263]\$,&[14.094]\$,&[2.68]\$,&[8.9724]\$,&[10.274]\$,&[7.1462]\$,&[14.205  
]\$,&[11.148]\$,&[14.679]\$  
&[13.065]\$,&[13.721]\$,&[11.915]\$,&[5.8193]\$,&[4.9421]\$,&[7.9045]\$,&[2.3128]\$,&[13.5  
69]\$,&[7.7359]\$,&[13.632]\$  
&[18.263]\$,&[10.673]\$,&[11.241]\$,&[-0.018421]\$,&[10.891]\$,&[14.798]\$,&[4.084]\$,&[12  
.959]\$,&[10.579]\$,&[15.686]\$  
&[13.645]\$,&[12.525]\$,&[12.345]\$,&[1.4914]\$,&[6.9294]\$,&[7.4564]\$,&[5.5376]\$,&[14.7  
65]\$,&[13.912]\$,&[15.759]\$  
&[8.973]\$,&[13.201]\$,&[13.03]\$,&[1.2536]\$,&[5.886]\$,&[10.185]\$,&[0.70708]\$,&[11.677  
]\$,&[8.6343]\$,&[14.004]\$  
&[15.969]\$,&[12.59]\$,&[14.251]\$,&[-1.149]\$,&[8.8073]\$,&[4.8709]\$,&[8.5132]\$,&[13.83  
7]\$,&[11.584]\$,&[11.219]\$

BS20B014

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.020955

&[13.297]\$,&[17.14]\$,&[15.486]\$,&[7.5761]\$,&[10.246]\$,&[7.8121]\$,&[11.062]\$,&[14.86

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8]\$,&[10.367]\$,&[15.814]\$  
&[7.5449]\$,&[3.6195]\$,&[8.1246]\$,&[1.208]\$,&[9.9035]\$,&[-0.33575]\$,&[2.412]\$,&[4.76  
21]\$,&[1.595]\$,&[2.5876]\$  
&[14.683]\$,&[10.811]\$,&[13.254]\$,&[14.612]\$,&[7.7176]\$,&[10.3]\$,&[13.499]\$,&[13.352  
]\$,&[12.603]\$,&[14.983]\$  
&[12.183]\$,&[11.499]\$,&[18.206]\$,&[17.574]\$,&[16.481]\$,&[12.905]\$,&[13.937]\$,&[10.5  
95]\$,&[15.352]\$,&[16.288]\$  
&[-0.13139]\$,&[0.73896]\$,&[-3.802]\$,&[1.8641]\$,&[3.2466]\$,&[4.5348]\$,&[3.2879]\$,&[0  
.89595]\$,&[4.8586]\$,&[-3.1818]\$  
&[5.5569]\$,&[5.2945]\$,&[6.9374]\$,&[2.0601]\$,&[2.3878]\$,&[5.3323]\$,&[7.1613]\$,&[2.35  
59]\$,&[8.314]\$,&[8.4537]\$  
&[4.5683]\$,&[3.7063]\$,&[-2.2839]\$,&[-1.1271]\$,&[5.4375]\$,&[1.1773]\$,&[1.544]\$,&[4.6  
133]\$,&[5.3522]\$,&[4.0068]\$  
&[2.2325]\$,&[16.758]\$,&[12.473]\$,&[14.23]\$,&[9.6396]\$,&[8.8864]\$,&[7.6796]\$,&[12.11  
1]\$,&[13.855]\$,&[14.768]\$  
&[7.2669]\$,&[6.55]\$,&[8.6166]\$,&[8.8237]\$,&[15.359]\$,&[10.163]\$,&[13.131]\$,&[11.521  
]\$,&[8.487]\$,&[8.1537]\$  
&[8.9409]\$,&[10.897]\$,&[6.1623]\$,&[8.7547]\$,&[10.384]\$,&[10.921]\$,&[12.298]\$,&[11.5  
92]\$,&[11.865]\$,&[9.7374]\$

#### BS20B015

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.045765  
&[9.5157]\$,&[9.1688]\$,&[13.264]\$,&[14.471]\$,&[14.042]\$,&[11.218]\$,&[12.385]\$,&[9.96  
88]\$,&[13.975]\$,&[11.063]\$  
&[7.3845]\$,&[4.6288]\$,&[5.785]\$,&[8.2647]\$,&[10.026]\$,&[11.338]\$,&[7.6137]\$,&[8.340  
2]\$,&[8.9429]\$,&[6.3131]\$  
&[10.619]\$,&[10.948]\$,&[10.025]\$,&[9.3397]\$,&[7.807]\$,&[10.761]\$,&[10.12]\$,&[13.15  
]\$,&[12.379]\$,&[12.252]\$  
&[4.3709]\$,&[6.1769]\$,&[5.2118]\$,&[6.0889]\$,&[5.336]\$,&[5.1138]\$,&[5.5891]\$,&[6.492  
]\$,&[5.2669]\$,&[4.322]\$  
&[13.813]\$,&[15.769]\$,&[14.253]\$,&[15.819]\$,&[15.074]\$,&[13.161]\$,&[11.37]\$,&[14.49  
4]\$,&[11.695]\$,&[13.26]\$  
&[9.2715]\$,&[8.8054]\$,&[8.1988]\$,&[12.045]\$,&[7.5163]\$,&[7.9018]\$,&[6.9142]\$,&[9.35  
49]\$,&[10.868]\$,&[8.6102]\$  
&[13.673]\$,&[13.45]\$,&[12.885]\$,&[12.908]\$,&[11.856]\$,&[5.1918]\$,&[14.677]\$,&[10.29  
5]\$,&[14.927]\$,&[11.935]\$  
&[3.1384]\$,&[5.1375]\$,&[2.1526]\$,&[7.5743]\$,&[6.764]\$,&[5.9056]\$,&[3.6631]\$,&[9.528  
6]\$,&[2.8834]\$,&[4.2206]\$  
&[11.817]\$,&[14.405]\$,&[12.725]\$,&[16.104]\$,&[15.069]\$,&[15.531]\$,&[12.871]\$,&[13]\$  
,&[16.022]\$,&[19.478]\$  
&[10.033]\$,&[8.9232]\$,&[8.3412]\$,&[9.7824]\$,&[9.0029]\$,&[8.5624]\$,&[9.31]\$,&[7.8562  
]\$,&[8.1072]\$,&[7.2116]\$

#### BS20B016

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

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alpha = 0.021813  
&[7.0635]\$,&[5.6677]\$,&[13.976]\$,&[11.239]\$,&[-0.46946]\$,&[7.9135]\$,&[5.7783]\$,&[7.1877]\$,&[2.5401]\$,&[11.972]\$  
&[8.2042]\$,&[3.9094]\$,&[16.508]\$,&[11.188]\$,&[6.6922]\$,&[8.9424]\$,&[6.3683]\$,&[15.541]\$,&[3.0396]\$,&[11.893]\$  
&[6.5174]\$,&[4.2807]\$,&[10.619]\$,&[10.598]\$,&[8.2151]\$,&[8.9342]\$,&[4.187]\$,&[7.4585]\$,&[3.1514]\$,&[11.182]\$  
&[10.546]\$,&[2.8618]\$,&[14.944]\$,&[6.8811]\$,&[4.912]\$,&[9.6753]\$,&[4.7391]\$,&[18.233]\$,&[5.6045]\$,&[12.451]\$  
&[7.0048]\$,&[5.4483]\$,&[18.889]\$,&[12.003]\$,&[-2.3075]\$,&[8.078]\$,&[6.2998]\$,&[13.209]\$,&[3.2745]\$,&[11.997]\$  
&[13.094]\$,&[1.4718]\$,&[17.586]\$,&[10.983]\$,&[6.5363]\$,&[9.3804]\$,&[5.9607]\$,&[14.097]\$,&[6.3531]\$,&[11.097]\$  
&[7.7334]\$,&[2.7246]\$,&[12.421]\$,&[10.093]\$,&[9.0864]\$,&[8.3143]\$,&[5.9923]\$,&[16.84]\$,&[2.2877]\$,&[12.514]\$  
&[7.6155]\$,&[2.5297]\$,&[20.806]\$,&[10.366]\$,&[7.7784]\$,&[7.8455]\$,&[6.7915]\$,&[14.014]\$,&[2.6244]\$,&[13.587]\$  
&[8.3757]\$,&[8.1504]\$,&[12.006]\$,&[8.9626]\$,&[7.0855]\$,&[9.0689]\$,&[4.6548]\$,&[13.081]\$,&[0.46048]\$,&[13.825]\$  
&[9.3509]\$,&[6.5867]\$,&[12.656]\$,&[13.035]\$,&[4.9759]\$,&[8.5236]\$,&[5.6261]\$,&[9.7698]\$,&[2.2836]\$,&[12.733]\$

BS20B017

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.035533  
&[6.5874]\$,&[18.969]\$,&[3.5077]\$,&[5.558]\$,&[3.711]\$,&[14.964]\$,&[10.896]\$,&[11.179]\$,&[5.1928]\$,&[12.616]\$  
&[8.0984]\$,&[16.91]\$,&[8.0606]\$,&[6.0232]\$,&[2.0283]\$,&[13.199]\$,&[8.2519]\$,&[11.588]\$,&[7.3725]\$,&[12.55]\$  
&[5.917]\$,&[15.354]\$,&[1.2392]\$,&[7.5118]\$,&[1.3531]\$,&[16.102]\$,&[11.113]\$,&[11.129]\$,&[7.1314]\$,&[11.089]\$  
&[9.1197]\$,&[14.324]\$,&[1.4179]\$,&[11.905]\$,&[4.0403]\$,&[14.354]\$,&[8.924]\$,&[10.877]\$,&[8.1055]\$,&[9.8247]\$  
&[6.9838]\$,&[18.693]\$,&[5.3702]\$,&[9.3104]\$,&[1.4885]\$,&[12.952]\$,&[6.9078]\$,&[12.273]\$,&[5.9824]\$,&[8.9873]\$  
&[8.0647]\$,&[15.551]\$,&[3.5906]\$,&[9.2855]\$,&[2.5418]\$,&[13.755]\$,&[10.146]\$,&[12.189]\$,&[7.7033]\$,&[13.871]\$  
&[7.8691]\$,&[13.463]\$,&[1.4843]\$,&[7.6702]\$,&[2.9068]\$,&[14.638]\$,&[7.3509]\$,&[11.034]\$,&[7.07]\$,&[12.078]\$  
&[6.5636]\$,&[16.13]\$,&[7.3449]\$,&[8.5865]\$,&[0.51782]\$,&[12.933]\$,&[7.5083]\$,&[11.573]\$,&[7.5613]\$,&[13.457]\$  
&[7.9214]\$,&[17.018]\$,&[4.489]\$,&[9.8344]\$,&[5.7174]\$,&[13.855]\$,&[8.4059]\$,&[10.669]\$,&[6.7057]\$,&[8.5488]\$  
&[6.5839]\$,&[14.58]\$,&[2.5956]\$,&[15.045]\$,&[1.4394]\$,&[13.609]\$,&[9.9108]\$,&[12.253]\$,&[6.1393]\$,&[10.053]\$

BT2022\_qiii\_22\_alldata

BS20B020

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.013372

&[6.8328]\$,&[5.9449]\$,&[7.4911]\$,&[5.6415]\$,&[5.388]\$,&[8.3757]\$,&[6.4714]\$,&[10.053]\$,&[8.7123]\$,&[3.5576]\$  
&[7.7276]\$,&[1.3354]\$,&[0.31269]\$,&[5.5185]\$,&[6.2213]\$,&[2.4155]\$,&[-0.46559]\$,&[2.8603]\$,&[-1.5589]\$,&[1.4185]\$  
&[0.26852]\$,&[4.2119]\$,&[1.1849]\$,&[3.8752]\$,&[5.1163]\$,&[3.577]\$,&[-1.685]\$,&[3.3815]\$,&[6.8061]\$,&[3.0683]\$  
&[2.035]\$,&[2.0007]\$,&[2.7083]\$,&[1.6498]\$,&[1.6291]\$,&[3.2806]\$,&[1.3682]\$,&[2.942]\$,&[2.1657]\$,&[3.7938]\$  
&[14.601]\$,&[11.676]\$,&[19.054]\$,&[12.851]\$,&[14.293]\$,&[10.903]\$,&[21.49]\$,&[19.259]\$,&[14.137]\$,&[13.346]\$  
&[9.5261]\$,&[16.572]\$,&[11.659]\$,&[12.345]\$,&[15.145]\$,&[15.226]\$,&[15.136]\$,&[12.987]\$,&[15.075]\$,&[15.737]\$  
&[11.353]\$,&[18.703]\$,&[12.946]\$,&[13.055]\$,&[13.663]\$,&[14.665]\$,&[17.443]\$,&[13.483]\$,&[14.942]\$,&[12.203]\$  
&[8.3796]\$,&[5.6028]\$,&[9.9972]\$,&[10.404]\$,&[9.4462]\$,&[6.7169]\$,&[6.949]\$,&[5.8836]\$,&[0.98893]\$,&[7.6297]\$  
&[13.312]\$,&[13.084]\$,&[12.728]\$,&[10.583]\$,&[13.516]\$,&[12.06]\$,&[11.691]\$,&[11.929]\$,&[13.182]\$,&[13.268]\$  
&[10.442]\$,&[5.5778]\$,&[5.4303]\$,&[10.033]\$,&[2.7228]\$,&[8.8487]\$,&[11.368]\$,&[4.5799]\$,&[8.9528]\$,&[6.3134]\$

BS20B021

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.015766

&[1.1034]\$,&[14.437]\$,&[11.625]\$,&[9.7228]\$,&[0.30701]\$,&[9.4094]\$,&[9.0384]\$,&[-0.86962]\$,&[4.0993]\$,&[5.2441]\$  
&[5.5274]\$,&[16.464]\$,&[10.536]\$,&[11.685]\$,&[-0.93664]\$,&[8.0052]\$,&[6.782]\$,&[6.2004]\$,&[3.7633]\$,&[5.0905]\$  
&[4.1603]\$,&[14.369]\$,&[9.0476]\$,&[10.871]\$,&[5.4383]\$,&[5.5273]\$,&[2.0414]\$,&[5.641]\$,&[5.8855]\$,&[8.1376]\$  
&[2.8352]\$,&[15.081]\$,&[9.5148]\$,&[14.087]\$,&[3.3334]\$,&[7.7709]\$,&[3.2884]\$,&[4.6719]\$,&[2.2688]\$,&[3.9472]\$  
&[1.724]\$,&[18.877]\$,&[10.767]\$,&[9.204]\$,&[2.0598]\$,&[8.4914]\$,&[7.0197]\$,&[2.933]\$,\$,&[3.4988]\$,&[3.6265]\$  
&[5.2001]\$,&[17.689]\$,&[10.472]\$,&[8.8737]\$,&[2.1095]\$,&[8.6741]\$,&[4.1139]\$,&[5.8633]\$,&[4.98]\$,&[5.465]\$  
&[2.4542]\$,&[17.046]\$,&[9.2206]\$,&[7.8529]\$,&[1.387]\$,&[7.2573]\$,&[7.408]\$,&[2.6293]\$,&[5.8821]\$,&[3.6394]\$  
&[4.5444]\$,&[14.282]\$,&[10.357]\$,&[11.409]\$,&[5.8453]\$,&[5.4522]\$,&[8.0384]\$,&[-0.20712]\$,&[5.2445]\$,&[6.1053]\$  
&[1.6663]\$,&[14.283]\$,&[9.6349]\$,&[8.1016]\$,&[1.0566]\$,&[5.77]\$,&[9.3259]\$,&[-1.0834]\$,&[4.0147]\$,&[5.7412]\$  
&[1.461]\$,&[13.62]\$,&[11.229]\$,&[5.8694]\$,&[2.6813]\$,&[6.8316]\$,&[6.0956]\$,&[1.3425]\$,&[5.6249]\$,&[3.9488]\$

BT2022\_qiii\_22\_alldata

BS20B022

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0057938

&[6.204]\$,&[4.3755]\$,&[15.851]\$,&[8.5401]\$,&[13.826]\$,&[7.5717]\$,&[2.0544]\$,&[12.781]\$,&[9.6642]\$,&[10.083]\$  
&[5.7343]\$,&[10.514]\$,&[10.535]\$,&[11.55]\$,&[7.4205]\$,&[10.8]\$,&[4.1068]\$,&[13.63]\$  
,&[8.068]\$,&[6.0811]\$  
&[4.7516]\$,&[6.7724]\$,&[13.881]\$,&[8.5019]\$,&[7.0916]\$,&[7.418]\$,&[5.3914]\$,&[11.783]\$,&[2.4717]\$,&[5.459]\$  
&[4.8118]\$,&[8.852]\$,&[14.9]\$,&[10.493]\$,&[15.428]\$,&[2.5294]\$,&[1.1578]\$,&[12.453]\$  
,&[7.7425]\$,&[6.8938]\$  
&[5.2917]\$,&[4.7232]\$,&[12.401]\$,&[9.5112]\$,&[9.6994]\$,&[0.87565]\$,&[6.3143]\$,&[13.624]\$,&[11.761]\$,&[7.8518]\$  
&[6.6496]\$,&[8.0712]\$,&[11.579]\$,&[10.611]\$,&[8.3806]\$,&[4.0945]\$,&[1.3367]\$,&[10.134]\$,&[11.852]\$,&[6.6065]\$  
&[6.5412]\$,&[11.455]\$,&[13.813]\$,&[9.5119]\$,&[9.7199]\$,&[2.8696]\$,&[3.4309]\$,&[14.737]\$,&[6.1648]\$,&[2.8809]\$  
&[4.106]\$,&[5.0792]\$,&[13.209]\$,&[9.1448]\$,&[12.173]\$,&[0.67539]\$,&[-0.05255]\$,&[10.092]\$,&[7.09]\$,&[12.879]\$  
&[5.145]\$,&[8.9012]\$,&[14.406]\$,&[9.199]\$,&[6.0561]\$,&[11.563]\$,&[3.0112]\$,&[14.059]\$  
,&[8.1486]\$,&[10.218]\$  
&[6.1458]\$,&[8.4393]\$,&[12.124]\$,&[9.8865]\$,&[6.9965]\$,&[9.4583]\$,&[2.5242]\$,&[15.287]\$,&[9.6783]\$,&[4.6537]\$

BS20B023

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.018775

&[6.5526]\$,&[4.863]\$,&[4.3386]\$,&[5.8473]\$,&[1.5299]\$,&[0.54983]\$,&[5.9837]\$,&[2.6599]\$,&[7.0614]\$,&[7.7115]\$  
&[6.1051]\$,&[7.2536]\$,&[6.49]\$,&[2.8777]\$,&[5.9616]\$,&[4.4199]\$,&[6.2661]\$,&[7.8698]\$,&[3.022]\$,&[6.3708]\$  
&[3.6973]\$,&[2.9955]\$,&[3.8796]\$,&[3.7471]\$,&[2.7435]\$,&[2.8701]\$,&[1.5117]\$,&[3.5754]\$,&[1.1729]\$,&[2.3136]\$  
&[11.777]\$,&[11.27]\$,&[14.388]\$,&[9.2276]\$,&[11.703]\$,&[11.808]\$,&[11.234]\$,&[13.265]\$,&[12.691]\$,&[8.1591]\$  
&[14.324]\$,&[15.119]\$,&[14.395]\$,&[13.433]\$,&[15.004]\$,&[13.793]\$,&[14.954]\$,&[14.235]\$,&[14.724]\$,&[15.511]\$  
&[8.4423]\$,&[8.6174]\$,&[7.2665]\$,&[7.6536]\$,&[9.741]\$,&[6.142]\$,&[5.2143]\$,&[-0.42234]\$,&[3.0152]\$,&[5.286]\$  
&[12.305]\$,&[13.666]\$,&[11.601]\$,&[14.561]\$,&[10.387]\$,&[9.6974]\$,&[8.6976]\$,&[16.117]\$,&[16.787]\$,&[14.469]\$  
&[8.0157]\$,&[13.698]\$,&[13.919]\$,&[10.529]\$,&[12.528]\$,&[14.321]\$,&[10.968]\$,&[9.7998]\$,&[11.265]\$,&[12.371]\$  
&[13.82]\$,&[14.104]\$,&[12.635]\$,&[12.435]\$,&[15.922]\$,&[13.661]\$,&[14.89]\$,&[14.576]\$,&[13.174]\$,&[11.899]\$

BT2022\_qiii\_22\_alldata  
\$&[5.5873]\$,&[7.855]\$,&[5.4928]\$,&[6.7379]\$,&[2.2011]\$,&[4.9623]\$,&[7.758]\$,&[5.9734]  
]\$,&[5.6544]\$,&[5.2328]\$

BS20B024

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.04559  
\$&[12.233]\$,&[11.049]\$,&[9.8097]\$,&[13.888]\$,&[9.4847]\$,&[8.9437]\$,&[7.0148]\$,&[6.03  
05]\$,&[10.342]\$,&[7.1158]\$  
\$&[13.046]\$,&[14.154]\$,&[9.2795]\$,&[16.433]\$,&[6.1202]\$,&[4.1154]\$,&[6.2618]\$,&[5.36  
35]\$,&[10.409]\$,&[1.9924]\$  
\$&[12.655]\$,&[10.961]\$,&[12.936]\$,&[13.078]\$,&[5.1621]\$,&[1.1737]\$,&[7.4746]\$,&[5.58  
66]\$,&[10.144]\$,&[0.21878]\$  
\$&[10.33]\$,&[11.153]\$,&[10.906]\$,&[9.4107]\$,&[2.6687]\$,&[6.4845]\$,&[6.9818]\$,&[9.927  
3]\$,&[10.885]\$,&[4.2607]\$  
\$&[15.677]\$,&[12.005]\$,&[11.677]\$,&[11.968]\$,&[10.109]\$,&[8.4524]\$,&[7.5132]\$,&[2.54  
44]\$,&[10.244]\$,&[2.3876]\$  
\$&[9.8206]\$,&[10.554]\$,&[10.361]\$,&[15.146]\$,&[4.9349]\$,&[0.74529]\$,&[6.9888]\$,&[7.3  
654]\$,&[9.4739]\$,&[3.762]\$  
\$&[12.956]\$,&[13.064]\$,&[11.895]\$,&[19.503]\$,&[7.7994]\$,&[6.7864]\$,&[7.1167]\$,&[4.45  
74]\$,&[10.879]\$,&[5.1506]\$  
\$&[15.209]\$,&[13.583]\$,&[9.7147]\$,&[14.867]\$,&[4.4235]\$,&[3.325]\$,&[7.1554]\$,&[7.924  
6]\$,&[9.6986]\$,&[3.4304]\$  
\$&[11.997]\$,&[9.4264]\$,&[10.031]\$,&[11.826]\$,&[7.353]\$,&[3.7845]\$,&[6.9405]\$,&[0.724  
46]\$,&[9.8754]\$,&[1.7133]\$  
\$&[15.755]\$,&[14.709]\$,&[10.25]\$,&[10.374]\$,&[6.0888]\$,&[8.5149]\$,&[6.1679]\$,&[6.457  
2]\$,&[10.164]\$,&[7.0315]\$

BS20B025

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.013553  
\$&[4.6214]\$,&[8.1453]\$,&[14.103]\$,&[10.303]\$,&[2.5099]\$,&[2.6022]\$,&[0.91983]\$,&[5.2  
916]\$,&[7.528]\$,&[7.4854]\$  
\$&[4.3562]\$,&[11.728]\$,&[13.952]\$,&[7.9546]\$,&[4.1994]\$,&[7.3144]\$,&[2.2729]\$,&[5.44  
19]\$,&[6.6997]\$,&[11.529]\$  
\$&[10.96]\$,&[9.6882]\$,&[11.974]\$,&[9.5407]\$,&[5.0741]\$,&[5.2711]\$,&[2.4704]\$,&[7.881  
4]\$,&[4.6992]\$,&[5.8535]\$  
\$&[8.0334]\$,&[13.326]\$,&[12.734]\$,&[4.2169]\$,&[4.4453]\$,&[7.7932]\$,&[2.285]\$,&[7.420  
9]\$,&[7.1055]\$,&[8.5472]\$  
\$&[4.8916]\$,&[6.8214]\$,&[13.848]\$,&[8.4744]\$,&[4.8119]\$,&[5.1557]\$,&[2.8446]\$,&[7.31  
62]\$,&[5.1124]\$,&[9.3406]\$  
\$&[2.7738]\$,&[13.874]\$,&[12.913]\$,&[8.5791]\$,&[3.4599]\$,&[6.9976]\$,&[2.3447]\$,&[7.63  
11]\$,&[8.2685]\$,&[5.5434]\$  
\$&[11.66]\$,&[12.113]\$,&[13.061]\$,&[3.6955]\$,&[3.7768]\$,&[4.1294]\$,&[2.8471]\$,&[6.46  
]\$,&[7.1092]\$,&[7.2195]\$  
\$&[10.87]\$,&[12.298]\$,&[12.09]\$,&[8.4497]\$,&[3.2025]\$,&[6.394]\$,&[2.705]\$,&[7.827]\$,  
\$&[7.1459]\$,&[4.5755]\$

BT2022\_qiii\_22\_alldata  
&[4.9109]\$,&[7.4]\$,&[12.651]\$,&[7.8972]\$,&[2.5724]\$,&[5.9483]\$,&[1.6225]\$,&[7.7361]\$  
&[10.955]\$,&[4.1984]\$  
&[7.9873]\$,&[11.781]\$,&[14.231]\$,&[13.325]\$,&[3.3507]\$,&[5.1068]\$,&[2.2018]\$,&[6.3411]\$,&[7.9497]\$,&[10.762]\$

BS20B026

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.018855  
&[11.277]\$,&[6.3206]\$,&[7.5361]\$,&[14.365]\$,&[2.2198]\$,&[11.754]\$,&[5.222]\$,&[7.2442]\$,&[2.1982]\$,&[10.298]\$  
&[12.127]\$,&[5.7485]\$,&[3.2924]\$,&[13.604]\$,&[3.087]\$,&[16.456]\$,&[2.4065]\$,&[1.9429]\$,&[4.3086]\$,&[9.2515]\$  
&[11.865]\$,&[5.1457]\$,&[3.0555]\$,&[15.219]\$,&[3.8989]\$,&[8.3175]\$,&[6.0529]\$,&[1.0563]\$,&[-1.1353]\$,&[14.081]\$  
&[11.928]\$,&[-0.52239]\$,&[10.617]\$,&[11.914]\$,&[4.5477]\$,&[8.6214]\$,&[6.9656]\$,&[1.8166]\$,&[8.622]\$,&[10.342]\$  
&[10.251]\$,&[7.0267]\$,&[6.0819]\$,&[14.158]\$,&[1.123]\$,&[12.891]\$,&[6.4781]\$,&[-0.017118]\$,&[1.7716]\$,&[17.208]\$  
&[11.331]\$,&[0.12667]\$,&[3.8481]\$,&[15.586]\$,&[4.951]\$,&[14.615]\$,&[7.0631]\$,&[-1.8398]\$,&[10.916]\$,&[7.9513]\$  
&[12.238]\$,&[7.7943]\$,&[5.9241]\$,&[15.679]\$,&[4.1567]\$,&[7.9328]\$,&[11.325]\$,&[4.8588]\$,&[4.4997]\$,&[12.806]\$  
&[11.797]\$,&[2.4939]\$,&[11.891]\$,&[13.868]\$,&[2.796]\$,&[3.3732]\$,&[6.7444]\$,&[4.5272]\$,&[5.003]\$,&[9.1426]\$  
&[10.62]\$,&[-4.5736]\$,&[11.059]\$,&[12.198]\$,&[2.2857]\$,&[7.4754]\$,&[8.0458]\$,&[-2.3764]\$,&[6.8704]\$,&[10.346]\$  
&[12.974]\$,&[1.2606]\$,&[4.1198]\$,&[12.023]\$,&[2.8917]\$,&[12.782]\$,&[4.0106]\$,&[-3.4665]\$,&[6.7518]\$,&[13.485]\$

BS20B027

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.021294  
&[5.8667]\$,&[8.0888]\$,&[9.135]\$,&[10.364]\$,&[13.738]\$,&[3.5731]\$,&[8.9523]\$,&[12.976]\$,&[6.5466]\$,&[2.5202]\$  
&[6.9757]\$,&[11.006]\$,&[11.086]\$,&[8.3344]\$,&[13.286]\$,&[3.0894]\$,&[10.106]\$,&[16.279]\$,&[1.194]\$,&[2.6163]\$  
&[6.6742]\$,&[4.5405]\$,&[12.154]\$,&[8.7162]\$,&[13.031]\$,&[4.5795]\$,&[8.8396]\$,&[12.202]\$,&[6.9391]\$,&[2.381]\$  
&[6.5464]\$,&[9.5688]\$,&[12.675]\$,&[6.1031]\$,&[12.07]\$,&[4.7835]\$,&[1.7737]\$,&[16.618]\$,&[1.9958]\$,&[3.0687]\$  
&[8.2731]\$,&[14.024]\$,&[7.9126]\$,&[9.3276]\$,&[12.198]\$,&[3.9322]\$,&[7.7387]\$,&[14.46]\$,&[5.0802]\$,&[2.6362]\$  
&[5.3456]\$,&[10.966]\$,&[7.4315]\$,&[8.4442]\$,&[9.0512]\$,&[5.8218]\$,&[10.28]\$,&[11.334]\$,&[6.2992]\$,&[2.5603]\$  
&[4.6656]\$,&[5.6539]\$,&[10.183]\$,&[10.601]\$,&[10.513]\$,&[3.8511]\$,&[7.4984]\$,&[14.648]\$,&[6.2938]\$,&[3.3652]\$

BT2022\_qiii\_22\_alldata  
&[4.8123]\$,&[8.5499]\$,&[11.203]\$,&[9.1823]\$,&[12.043]\$,&[3.8868]\$,&[2.2307]\$,&[12.551]\$,&[5.9886]\$,&[2.1578]\$  
&[8.5992]\$,&[8.2831]\$,&[7.4066]\$,&[4.5564]\$,&[10.188]\$,&[4.1685]\$,&[8.4737]\$,&[13.602]\$,&[2.5794]\$,&[3.333]\$  
&[5.4874]\$,&[8.0355]\$,&[10.121]\$,&[10.89]\$,&[12.256]\$,&[3.8201]\$,&[6.9006]\$,&[13.687]\$,&[4.4349]\$,&[2.6496]\$

#### BS20B028

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.025441  
&[4.2097]\$,&[15.161]\$,&[1.101]\$,&[10.085]\$,&[5.4904]\$,&[4.0117]\$,&[5.0541]\$,&[13.671]\$,&[11.908]\$,&[7.6855]\$  
&[2.9741]\$,&[11.559]\$,&[6.3288]\$,&[7.2829]\$,&[5.3985]\$,&[1.8288]\$,&[2.7137]\$,&[16.425]\$,&[16.277]\$,&[5.2299]\$  
&[5.7764]\$,&[7.9784]\$,&[8.3359]\$,&[11.775]\$,&[6.6135]\$,&[6.4081]\$,&[3.9127]\$,&[14.062]\$,&[16.436]\$,&[9.9736]\$  
&[4.1641]\$,&[11.942]\$,&[1.8169]\$,&[9.3569]\$,&[11.124]\$,&[3.8033]\$,&[4.7512]\$,&[16.493]\$,&[14.496]\$,&[5.57]\$  
&[4.7991]\$,&[14.038]\$,&[8.1102]\$,&[10.624]\$,&[5.2912]\$,&[3.3357]\$,&[-0.14826]\$,&[10.185]\$,&[10.26]\$,&[12.043]\$  
&[3.3367]\$,&[8.2453]\$,&[6.9828]\$,&[6.2421]\$,&[11.124]\$,&[4.5812]\$,&[4.8021]\$,&[13.448]\$,&[12.686]\$,&[5.1342]\$  
&[4.9386]\$,&[6.1867]\$,&[9.5226]\$,&[10.883]\$,&[3.2745]\$,&[0.47125]\$,&[1.2712]\$,&[9.468]\$,&[11.611]\$,&[9.9642]\$  
&[4.6119]\$,&[12.332]\$,&[10.113]\$,&[9.9368]\$,&[8.3551]\$,&[1.821]\$,&[0.2456]\$,&[14.303]\$,&[9.0699]\$,&[8.7417]\$  
&[3.7326]\$,&[13.567]\$,&[3.2658]\$,&[8.3746]\$,&[8.6002]\$,&[4.0938]\$,&[0.51896]\$,&[9.2893]\$,&[14.574]\$,&[12.48]\$  
&[2.8666]\$,&[9.2353]\$,&[4.5958]\$,&[10.41]\$,&[4.2307]\$,&[2.7391]\$,&[3.2182]\$,&[8.7285]\$,&[14.003]\$,&[10.38]\$

#### BS20B029

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.04509  
&[6.5167]\$,&[13.666]\$,&[10.378]\$,&[10.882]\$,&[6.1663]\$,&[6.1991]\$,&[10.37]\$,&[3.6879]\$,&[7.8056]\$,&[7.3978]\$  
&[12.013]\$,&[13.249]\$,&[7.2599]\$,&[12.907]\$,&[0.31185]\$,&[7.5144]\$,&[10.643]\$,&[1.6222]\$,&[5.4966]\$,&[7.0709]\$  
&[7.0629]\$,&[11.253]\$,&[6.7919]\$,&[13.645]\$,&[4.8239]\$,&[2.0563]\$,&[11.791]\$,&[7.2181]\$,&[6.9572]\$,&[6.922]\$  
&[11.146]\$,&[14.83]\$,&[7.0056]\$,&[15.041]\$,&[-3.8384]\$,&[8.1198]\$,&[11.791]\$,&[9.878]\$,&[8.5289]\$,&[6.8913]\$  
&[7.4875]\$,&[16.488]\$,&[4.4868]\$,&[15.495]\$,&[6.2376]\$,&[5.6027]\$,&[11.844]\$,&[3.0301]\$,&[8.1499]\$,&[5.949]\$  
&[10.762]\$,&[14.359]\$,&[6.4692]\$,&[11.342]\$,&[0.93639]\$,&[2.3521]\$,&[12.161]\$,&[1.2804]\$,&[8.976]\$,&[6.3192]\$

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&[10.28]\$,&[15.619]\$,&[4.3372]\$,&[12.363]\$,&[1.4575]\$,&[5.6699]\$,&[9.6815]\$,&[1.1343]\$,&[6.9899]\$,&[7.0147]\$  
&[7.6835]\$,&[13.25]\$,&[7.5673]\$,&[12.988]\$,&[7.8142]\$,&[5.4884]\$,&[11.853]\$,&[1.6465]\$,&[8.3616]\$,&[7.4817]\$  
&[10.299]\$,&[13.641]\$,&[4.246]\$,&[11.2]\$,&[1.6613]\$,&[3.301]\$,&[10.625]\$,&[3.5805]\$  
&[6.2938]\$,&[7.5677]\$  
&[7.4642]\$,&[18.825]\$,&[6.0946]\$,&[9.4349]\$,&[8.5301]\$,&[7.6518]\$,&[10.518]\$,&[2.2805]\$,&[7.0543]\$,&[7.0692]\$

#### BS20B030

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.018635

&[5.3244]\$,&[1.778]\$,&[14.33]\$,&[6.1346]\$,&[7.9416]\$,&[18.757]\$,&[8.5599]\$,&[3.5373]\$,&[9.4843]\$,&[8.5867]\$  
&[7.951]\$,&[7.0749]\$,&[10.78]\$,&[5.6105]\$,&[7.3825]\$,&[11.357]\$,&[13.111]\$,&[4.0799]\$,&[17.071]\$,&[8.7671]\$  
&[-0.24213]\$,&[2.2006]\$,&[10.035]\$,&[9.38]\$,&[9.0548]\$,&[10.594]\$,&[13.336]\$,&[4.2038]\$,&[9.9354]\$,&[5.6385]\$  
&[2.6198]\$,&[5.0029]\$,&[11.457]\$,&[13.861]\$,&[12.026]\$,&[8.021]\$,&[13.603]\$,&[4.4873]\$,&[11.706]\$,&[8.5896]\$  
&[4.067]\$,&[3.6616]\$,&[13.546]\$,&[14.581]\$,&[10.721]\$,&[10.395]\$,&[12.865]\$,&[4.0588]\$,&[14.455]\$,&[9.0974]\$  
&[6.3054]\$,&[8.156]\$,&[9.3896]\$,&[7.0978]\$,&[8.1582]\$,&[10.621]\$,&[11.989]\$,&[4.2261]\$,&[14.397]\$,&[9.3248]\$  
&[3.6388]\$,&[3.0334]\$,&[12.241]\$,&[10.137]\$,&[10.473]\$,&[15.608]\$,&[7.8015]\$,&[6.1559]\$,&[12.433]\$,&[6.4096]\$  
&[-1.7748]\$,&[7.0729]\$,&[12.633]\$,&[7.5021]\$,&[12.892]\$,&[10.242]\$,&[17.998]\$,&[5.5568]\$,&[11.216]\$,&[4.9616]\$  
&[7.9661]\$,&[5.4432]\$,&[9.8409]\$,&[13.119]\$,&[8.1693]\$,&[12.392]\$,&[9.5637]\$,&[4.4183]\$,&[11.265]\$,&[4.1949]\$  
&[3.28]\$,&[3.7507]\$,&[12.073]\$,&[8.6213]\$,&[11.525]\$,&[10.981]\$,&[11.367]\$,&[3.3803]\$,&[12.19]\$,&[6.1677]\$

#### BS20B032

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.021032

&[2.0241]\$,&[6.0867]\$,&[11.058]\$,&[8.3316]\$,&[14.275]\$,&[10.618]\$,&[17.642]\$,&[4.2978]\$,&[12.198]\$,&[3.6825]\$  
&[3.5522]\$,&[4.9199]\$,&[13.478]\$,&[7.9137]\$,&[15.095]\$,&[10.947]\$,&[14.509]\$,&[5.1141]\$,&[12.391]\$,&[6.0255]\$  
&[3.3642]\$,&[6.3526]\$,&[11.096]\$,&[11.477]\$,&[10.367]\$,&[15.945]\$,&[14.162]\$,&[8.8586]\$,&[12.611]\$,&[6.7879]\$  
&[7.869]\$,&[0.85327]\$,&[12.093]\$,&[8.0177]\$,&[12.575]\$,&[11.377]\$,&[6.4919]\$,&[6.4416]\$,&[14.522]\$,&[4.6571]\$  
&[6.4096]\$,&[1.5132]\$,&[12.288]\$,&[11.476]\$,&[9.0064]\$,&[16.747]\$,&[14.366]\$,&[10.048]\$,&[13.543]\$,&[8.02]\$

BT2022\_qiii\_22\_alldata  
|[6.3542]\$,&[0.34926]\$,&[10.194]\$,&[11.926]\$,&[15.529]\$,&[7.1112]\$,&[10.505]\$,&[5.9398]\$,&[9.8875]\$,&[2.6935]\$  
&[3.0941]\$,&[1.9795]\$,&[11.359]\$,&[8.2609]\$,&[13.329]\$,&[7.4662]\$,&[10.859]\$,&[9.2239]\$,&[11.986]\$,&[5.8091]\$  
&[6.3362]\$,&[2.7622]\$,&[11.417]\$,&[6.8422]\$,&[8.3551]\$,&[13.069]\$,&[13.443]\$,&[8.7217]\$,&[14.755]\$,&[5.2225]\$  
&[5.5816]\$,&[-2.4814]\$,&[10.001]\$,&[6.784]\$,&[7.8128]\$,&[7.4018]\$,&[12.688]\$,&[9.1223]\$,&[14.085]\$,&[7.5567]\$  
&[5.988]\$,&[4.9496]\$,&[6.9335]\$,&[7.3182]\$,&[14.549]\$,&[7.7777]\$,&[14.306]\$,&[5.1052]\$,&[13.978]\$,&[6.633]\$

#### BS20B033

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.024359

&[4.9251]\$,&[3.2197]\$,&[0.76093]\$,&[2.897]\$,&[4.1581]\$,&[4.5721]\$,&[1.7999]\$,&[6.4702]\$,&[5.8466]\$,&[7.7758]\$  
&[14.615]\$,&[12.735]\$,&[12.148]\$,&[13.341]\$,&[10.132]\$,&[14.631]\$,&[12.06]\$,&[14.39]\$,&[12.661]\$,&[13.637]\$  
&[4.7465]\$,&[5.2198]\$,&[5.409]\$,&[6.133]\$,&[4.1351]\$,&[4.7036]\$,&[6.8962]\$,&[4.8861]\$,&[5.5459]\$,&[7.6804]\$  
&[7.3701]\$,&[8.501]\$,&[9.4581]\$,&[11.471]\$,&[11.619]\$,&[8.1983]\$,&[7.0351]\$,&[8.0915]\$,&[11.643]\$,&[8.1737]\$  
&[9.2039]\$,&[8.552]\$,&[8.738]\$,&[7.2645]\$,&[8.5959]\$,&[11.459]\$,&[10.227]\$,&[9.0288]\$,&[8.1196]\$,&[10.438]\$  
&[8.2343]\$,&[4.5519]\$,&[5.347]\$,&[9.1289]\$,&[6.6903]\$,&[6.6658]\$,&[5.4227]\$,&[6.9937]\$,&[6.1104]\$,&[4.4946]\$  
&[4.2119]\$,&[8.7581]\$,&[7.4906]\$,&[5.8896]\$,&[9.2613]\$,&[9.2793]\$,&[5.355]\$,&[7.7545]\$,&[8.3045]\$,&[10.189]\$  
&[10.295]\$,&[10.841]\$,&[4.1373]\$,&[10.931]\$,&[6.7042]\$,&[10.909]\$,&[6.3382]\$,&[6.4832]\$,&[7.5286]\$,&[3.7022]\$  
&[7.6735]\$,&[12.685]\$,&[15.879]\$,&[13.252]\$,&[13.812]\$,&[14.194]\$,&[13.212]\$,&[14.961]\$,&[15.659]\$,&[11.277]\$  
&[2.7458]\$,&[0.45946]\$,&[4.5089]\$,&[-0.26226]\$,&[5.0381]\$,&[4.3255]\$,&[-0.011825]\$,&[4.239]\$,&[-1.5504]\$,&[1.0735]\$

#### BS20B034

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.019351

&[12.748]\$,&[4.5139]\$,&[8.9268]\$,&[7.7869]\$,&[-0.49673]\$,&[9.4309]\$,&[9.621]\$,&[13.473]\$,&[7.1068]\$,&[10.419]\$  
&[12.766]\$,&[8.4148]\$,&[15.072]\$,&[4.3694]\$,&[0.955]\$,&[14.259]\$,&[9.3558]\$,&[17.404]\$,&[7.6981]\$,&[13.402]\$  
&[11.103]\$,&[4.5363]\$,&[13.809]\$,&[5.6824]\$,&[6.7346]\$,&[9.5156]\$,&[11.417]\$,&[19.003]\$,&[10.709]\$,&[9.204]\$  
&[10.986]\$,&[9.5993]\$,&[11.752]\$,&[5.7761]\$,&[-0.87377]\$,&[14.395]\$,&[8.7443]\$,&[12.886]\$,&[5.8929]\$,&[12.671]\$

BT2022\_qiii\_22\_alldata  
&[11.15]\$,&[8.5479]\$,&[12.757]\$,&[13.095]\$,&[5.6049]\$,&[15.641]\$,&[10.113]\$,&[17.084]\$,&[8.3771]\$,&[11.701]\$  
&[8.0355]\$,&[10.951]\$,&[7.6027]\$,&[6.6196]\$,&[0.40862]\$,&[11.054]\$,&[10.012]\$,&[16.364]\$,&[7.199]\$,&[13.977]\$  
&[8.3831]\$,&[6.9484]\$,&[16.272]\$,&[8.2004]\$,&[1.7473]\$,&[13.197]\$,&[11.123]\$,&[11.747]\$,&[6.5494]\$,&[10.12]\$  
&[9.9756]\$,&[11.064]\$,&[9.3151]\$,&[3.2852]\$,&[1.7444]\$,&[10.668]\$,&[11.989]\$,&[13.482]\$,&[6.8809]\$,&[13.813]\$  
&[10.181]\$,&[5.0223]\$,&[11.699]\$,&[5.9226]\$,&[-1.3847]\$,&[15.502]\$,&[11.194]\$,&[12.967]\$,&[6.0879]\$,&[11.702]\$  
&[8.8698]\$,&[8.6056]\$,&[17.118]\$,&[12.601]\$,&[0.29002]\$,&[13.472]\$,&[10.487]\$,&[16.262]\$,&[9.6045]\$,&[13.667]\$

#### BS20B036

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.013166

&[7.4064]\$,&[7.9106]\$,&[8.2762]\$,&[5.9142]\$,&[6.4156]\$,&[5.1149]\$,&[3.8832]\$,&[5.8344]\$,&[11.727]\$,&[4.9251]\$  
&[11.917]\$,&[15.503]\$,&[14.987]\$,&[16.421]\$,&[15.412]\$,&[12.857]\$,&[13.758]\$,&[15.08]\$,&[13.16]\$,&[13.755]\$  
&[8.8178]\$,&[13.999]\$,&[15.13]\$,&[14.054]\$,&[9.8553]\$,&[11.199]\$,&[14.645]\$,&[14.889]\$,&[14.078]\$,&[8.0612]\$  
&[3.6421]\$,&[2.0795]\$,&[3.758]\$,&[2.0259]\$,&[1.3186]\$,&[1.4257]\$,&[1.19]\$,&[3.2264]\$,&[4.0019]\$,&[2.756]\$  
&[13.344]\$,&[14.039]\$,&[13.057]\$,&[13.696]\$,&[13.461]\$,&[9.5214]\$,&[13.956]\$,&[14.064]\$,&[14.786]\$,&[13.229]\$  
&[11.192]\$,&[12.018]\$,&[11.841]\$,&[10.547]\$,&[12.45]\$,&[12.146]\$,&[13.302]\$,&[12.84]\$,&[12.006]\$,&[12.333]\$  
&[9.2417]\$,&[7.3248]\$,&[9.9907]\$,&[6.1766]\$,&[5.8082]\$,&[9.6516]\$,&[7.316]\$,&[5.5972]\$,&[5.2653]\$,&[2.2524]\$  
&[1.409]\$,&[1.9018]\$,&[0.22257]\$,&[2.8783]\$,&[3.0181]\$,&[3.3175]\$,&[1.7293]\$,&[1.9293]\$,&[1.9256]\$,&[1.2493]\$  
&[3.8349]\$,&[2.7224]\$,&[4.7231]\$,&[9.3163]\$,&[3.3224]\$,&[5.7075]\$,&[5.5772]\$,&[5.451]\$,&[8.1678]\$,&[0.60114]\$  
&[5.8027]\$,&[3.6213]\$,&[6.601]\$,&[8.3254]\$,&[4.2034]\$,&[8.9205]\$,&[6.8768]\$,&[7.3052]\$,&[6.1457]\$,&[6.656]\$

#### BS20B037

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.033622

&[12.713]\$,&[5.4793]\$,&[9.0477]\$,&[14.144]\$,&[14.181]\$,&[13.054]\$,&[9.529]\$,&[10.795]\$,&[9.3762]\$,&[14.529]\$  
&[5.7713]\$,&[3.3399]\$,&[9.7912]\$,&[7.9009]\$,&[3.1297]\$,&[7.8291]\$,&[5.0188]\$,&[5.3454]\$,&[0.83257]\$,&[7.9638]\$  
&[6.1823]\$,&[7.6211]\$,&[6.9559]\$,&[8.3461]\$,&[6.6289]\$,&[6.913]\$,&[6.0325]\$,&[8.1257]\$,&[6.8123]\$,&[6.559]\$

BT2022\_qiii\_22\_alldata  
&[4.0971]\$,&[9.2288]\$,&[15.57]\$,&[11.888]\$,&[15.244]\$,&[12.862]\$,&[6.7658]\$,&[7.9966]\$,&[14.924]\$,&[9.1338]\$  
&[10.613]\$,&[9.7873]\$,&[10.416]\$,&[10.386]\$,&[11.327]\$,&[10.044]\$,&[8.8748]\$,&[12.188]\$,&[9.9378]\$,&[8.9871]\$  
&[7.4449]\$,&[8.685]\$,&[8.7481]\$,&[7.5359]\$,&[8.3418]\$,&[8.5404]\$,&[7.4621]\$,&[9.3334]\$,&[9.2688]\$,&[8.2968]\$  
&[10.147]\$,&[11.197]\$,&[16.161]\$,&[15.8]\$,&[12.449]\$,&[16.353]\$,&[11.607]\$,&[13.183]\$,&[14.825]\$,&[13.498]\$  
&[5.3041]\$,&[8.6303]\$,&[4.3389]\$,&[4.2849]\$,&[6.1487]\$,&[7.0985]\$,&[6.2615]\$,&[5.843]\$,&[8.8577]\$,&[7.5449]\$  
&[12.82]\$,&[13.84]\$,&[10.759]\$,&[9.4181]\$,&[13.412]\$,&[12.425]\$,&[7.6835]\$,&[10.016]\$,&[11.822]\$,&[9.5404]\$  
&[3.237]\$,&[3.3166]\$,&[0.61083]\$,&[6.9533]\$,&[2.9575]\$,&[6.2825]\$,&[1.4359]\$,&[6.3067]\$,&[5.9732]\$,&[4.9809]\$

#### BS20B038

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.044396  
&[13.526]\$,&[1.8333]\$,&[5.1606]\$,&[10.767]\$,&[8.9921]\$,&[7.1363]\$,&[8.2954]\$,&[17.542]\$,&[5.639]\$,&[16.982]\$  
&[6.5417]\$,&[4.2795]\$,&[1.2147]\$,&[11.436]\$,&[6.5757]\$,&[5.9573]\$,&[4.4978]\$,&[14.697]\$,&[4.0073]\$,&[15.293]\$  
&[10.426]\$,&[1.6893]\$,&[2.3513]\$,&[11.72]\$,&[8.3358]\$,&[6.6283]\$,&[4.2123]\$,&[15.054]\$,&[6.5345]\$,&[14.129]\$  
&[14.268]\$,&[9.0992]\$,&[3.4712]\$,&[9.787]\$,&[7.5631]\$,&[5.3935]\$,&[7.6317]\$,&[15.777]\$,&[6.6012]\$,&[15.653]\$  
&[12.715]\$,&[-2.4685]\$,&[-4.0761]\$,&[10.978]\$,&[1.2418]\$,&[7.2146]\$,&[7.3938]\$,&[12.912]\$,&[3.8839]\$,&[16.362]\$  
&[12.921]\$,&[3.8165]\$,&[9.2507]\$,&[15.334]\$,&[11.421]\$,&[5.5139]\$,&[3.0545]\$,&[16.051]\$,&[7.2055]\$,&[15.764]\$  
&[12.053]\$,&[4.1276]\$,&[2.9421]\$,&[12.16]\$,&[4.785]\$,&[6.845]\$,&[7.309]\$,&[14.255]\$,&[4.478]\$,&[16.237]\$  
&[13.718]\$,&[0.037335]\$,&[3.2611]\$,&[9.8596]\$,&[5.3092]\$,&[7.3653]\$,&[4.9658]\$,&[16.874]\$,&[5.1799]\$,&[14.659]\$  
&[12.235]\$,&[2.629]\$,&[5.067]\$,&[11.114]\$,&[6.7358]\$,&[5.197]\$,&[3.6482]\$,&[16.734]\$,&[6.9396]\$,&[15.614]\$  
&[10.126]\$,&[4.5615]\$,&[2.43]\$,&[8.9352]\$,&[7.9055]\$,&[7.1534]\$,&[7.2721]\$,&[12.041]\$,&[6.6353]\$,&[16.062]\$

#### BS20B039

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.025055  
&[2.3839]\$,&[1.9624]\$,&[1.9207]\$,&[2.1552]\$,&[1.8794]\$,&[2.3146]\$,&[1.774]\$,&[2.8333]\$,&[1.9276]\$,&[1.4051]\$  
&[10.624]\$,&[6.5068]\$,&[2.044]\$,&[3.5219]\$,&[7.5119]\$,&[6.1934]\$,&[0.49499]\$,&[3.1788]\$,&[0.41287]\$,&[0.9974]\$

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&[6.4799]\$,&[3.8499]\$,&[2.8973]\$,&[5.0239]\$,&[2.8277]\$,&[1.9914]\$,&[5.0985]\$,&[3.2073]\$,&[4.081]\$,&[3.3436]\$  
&[1.6622]\$,&[5.2945]\$,&[7.3755]\$,&[5.1475]\$,&[5.5757]\$,&[5.7883]\$,&[4.9038]\$,&[3.9153]\$,&[2.0518]\$,&[3.2047]\$  
&[6.142]\$,&[7.8511]\$,&[5.7679]\$,&[3.2929]\$,&[7.0837]\$,&[7.4741]\$,&[3.2154]\$,&[3.8294]\$,&[2.3419]\$,&[3.4317]\$  
&[11.998]\$,&[13.782]\$,&[12.374]\$,&[13.506]\$,&[15.483]\$,&[11.783]\$,&[15.44]\$,&[9.5871]\$,&[14.158]\$,&[8.8628]\$  
&[6.5957]\$,&[5.4855]\$,&[5.7636]\$,&[6.0088]\$,&[4.0904]\$,&[6.6299]\$,&[9.3062]\$,&[6.3313]\$,&[7.0274]\$,&[6.9303]\$  
&[1.8039]\$,&[2.1122]\$,&[1.8664]\$,&[1.7185]\$,&[2.186]\$,&[1.5625]\$,&[2.1774]\$,&[1.9955]\$,&[1.0943]\$,&[2.4693]\$  
&[9.4397]\$,&[9.5934]\$,&[6.6561]\$,&[9.9895]\$,&[10.227]\$,&[8.5765]\$,&[5.0664]\$,&[10.026]\$,&[6.7588]\$,&[8.1416]\$  
&[8.209]\$,&[12.551]\$,&[8.4978]\$,&[8.3894]\$,&[10.177]\$,&[10.089]\$,&[10.781]\$,&[12.269]\$,&[11.884]\$,&[13.264]\$

#### CE17B111

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.032514  
&[3.8641]\$,&[0.61855]\$,&[7.8716]\$,&[14.992]\$,&[10.792]\$,&[13.998]\$,&[3.0798]\$,&[10.395]\$,&[4.8646]\$,&[4.736]\$  
&[3.8453]\$,&[11.859]\$,&[9.0932]\$,&[14.494]\$,&[7.9532]\$,&[13.458]\$,&[1.9546]\$,&[5.8363]\$,&[5.3622]\$,&[8.7951]\$  
&[2.8289]\$,&[7.0689]\$,&[11.779]\$,&[14.908]\$,&[6.9714]\$,&[11.492]\$,&[3.4416]\$,&[8.9105]\$,&[3.0132]\$,&[5.5274]\$  
&[3.4891]\$,&[0.083794]\$,&[12.554]\$,&[13.308]\$,&[9.5563]\$,&[12.579]\$,&[3.1749]\$,&[9.1038]\$,&[5.0958]\$,&[7.6685]\$  
&[2.9026]\$,&[4.8996]\$,&[11.568]\$,&[13.634]\$,&[6.4594]\$,&[15.904]\$,&[5.4927]\$,&[9.3611]\$,&[3.0131]\$,&[5.9946]\$  
&[4.6863]\$,&[5.6865]\$,&[8.6285]\$,&[16.105]\$,&[4.3273]\$,&[14.575]\$,&[5.8628]\$,&[8.7555]\$,&[5.2404]\$,&[7.7805]\$  
&[3.6993]\$,&[5.7256]\$,&[11.778]\$,&[14.627]\$,&[4.1262]\$,&[11.516]\$,&[1.6885]\$,&[6.2347]\$,&[2.883]\$,&[10.418]\$  
&[5.3319]\$,&[7.0868]\$,&[8.5923]\$,&[12.921]\$,&[10.404]\$,&[14.814]\$,&[0.67758]\$,&[3.8625]\$,&[2.9186]\$,&[8.8304]\$  
&[5.5591]\$,&[7.1173]\$,&[7.0583]\$,&[15.351]\$,&[7.0699]\$,&[17.877]\$,&[4.0734]\$,&[8.7843]\$,&[4.5786]\$,&[7.5059]\$  
&[2.9447]\$,&[4.4298]\$,&[9.5971]\$,&[13.474]\$,&[7.5751]\$,&[15.64]\$,&[4.0395]\$,&[5.9094]\$,&[1.1653]\$,&[5.2287]\$

#### CE18B001

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.023844  
&[1.9085]\$,&[5.6348]\$,&[5.1577]\$,&[2.227]\$,&[5.3032]\$,&[2.7369]\$,&[3.782]\$,&[4.3376]\$,&[4.124]\$,&[7.0989]\$

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$\&[12.639]$ , $\&[12.694]$ , $\&[13.199]$ , $\&[12.486]$ , $\&[12.917]$ , $\&[12.314]$ , $\&[12.468]$ , $\&[12.429]$ , $\&[12.398]$ , $\&[12.66]$   
 $\&[5.0974]$ , $\&[4.9134]$ , $\&[8.8856]$ , $\&[9.4751]$ , $\&[3.806]$ , $\&[5.8955]$ , $\&[6.0138]$ , $\&[8.6991]$ , $\&[2.6791]$ , $\&[7.4661]$   
 $\&[9.8948]$ , $\&[10.134]$ , $\&[10.944]$ , $\&[10.857]$ , $\&[10.476]$ , $\&[10.406]$ , $\&[10.499]$ , $\&[10.434]$ , $\&[9.8468]$ , $\&[10.749]$   
 $\&[9.7655]$ , $\&[6.1013]$ , $\&[5.2841]$ , $\&[4.8822]$ , $\&[5.8511]$ , $\&[6.0621]$ , $\&[6.2476]$ , $\&[1.5649]$ , $\&[10.908]$ , $\&[6.6133]$   
 $\&[16.913]$ , $\&[13.214]$ , $\&[14.555]$ , $\&[16.742]$ , $\&[13.543]$ , $\&[10.679]$ , $\&[19.291]$ , $\&[14.342]$ , $\&[13.83]$ , $\&[18.061]$   
 $\&[3.3019]$ , $\&[3.3491]$ , $\&[2.7926]$ , $\&[3.6271]$ , $\&[3.1263]$ , $\&[4.1242]$ , $\&[3.301]$ , $\&[2.9403]$ , $\&[2.8454]$ , $\&[4.3306]$   
 $\&[13.49]$ , $\&[13.541]$ , $\&[12.557]$ , $\&[13.056]$ , $\&[11.858]$ , $\&[10.827]$ , $\&[10.309]$ , $\&[11.073]$ , $\&[12.709]$ , $\&[11.587]$   
 $\&[3.4016]$ , $\&[2.7788]$ , $\&[2.2024]$ , $\&[6.1252]$ , $\&[4.6701]$ , $\&[1.1098]$ , $\&[4.5438]$ , $\&[-0.81699]$ , $\&[0.79612]$ , $\&[5.8417]$   
 $\&[3.7194]$ , $\&[2.9601]$ , $\&[8.2307]$ , $\&[6.2593]$ , $\&[7.2118]$ , $\&[7.8759]$ , $\&[1.9749]$ , $\&[2.8997]$ , $\&[2.0603]$ , $\&[6.8536]$

#### CE18B005

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.04291

$\&[2.5475]$ , $\&[-0.29268]$ , $\&[3.7928]$ , $\&[2.6073]$ , $\&[6.4599]$ , $\&[3.6884]$ , $\&[7.9737]$ , $\&[15.687]$ , $\&[10.619]$ , $\&[13.679]$   
 $\&[6.1605]$ , $\&[4.9346]$ , $\&[-0.15948]$ , $\&[-0.45059]$ , $\&[3.4444]$ , $\&[5.1338]$ , $\&[8.4448]$ , $\&[13.563]$ , $\&[13.722]$ , $\&[14.402]$   
 $\&[1.4334]$ , $\&[9.0653]$ , $\&[-1.8041]$ , $\&[4.5421]$ , $\&[3.3482]$ , $\&[8.8657]$ , $\&[6.9365]$ , $\&[13.023]$ , $\&[12.374]$ , $\&[14.348]$   
 $\&[5.3469]$ , $\&[6.5917]$ , $\&[0.38472]$ , $\&[7.2699]$ , $\&[2.5575]$ , $\&[2.2767]$ , $\&[7.0693]$ , $\&[12.973]$ , $\&[9.7413]$ , $\&[13.913]$   
 $\&[3.2479]$ , $\&[3.9991]$ , $\&[3.9683]$ , $\&[5.2709]$ , $\&[4.1805]$ , $\&[-0.050946]$ , $\&[6.839]$ , $\&[14.139]$ , $\&[10.147]$ , $\&[14.089]$   
 $\&[3.8843]$ , $\&[0.92589]$ , $\&[3.873]$ , $\&[2.7902]$ , $\&[0.88271]$ , $\&[1.356]$ , $\&[7.6647]$ , $\&[14.651]$ , $\&[11.435]$ , $\&[13.658]$   
 $\&[3.8545]$ , $\&[6.1966]$ , $\&[0.67582]$ , $\&[7.5497]$ , $\&[5.4337]$ , $\&[2.7411]$ , $\&[9.6274]$ , $\&[12.794]$ , $\&[12.203]$ , $\&[13.83]$   
 $\&[3.3614]$ , $\&[2.7782]$ , $\&[4.0706]$ , $\&[1.2134]$ , $\&[3.8713]$ , $\&[2.217]$ , $\&[7.1927]$ , $\&[14.457]$ , $\&[12.536]$ , $\&[13.625]$   
 $\&[2.3015]$ , $\&[6.5856]$ , $\&[4.8785]$ , $\&[5.238]$ , $\&[7.039]$ , $\&[-0.65115]$ , $\&[9.1364]$ , $\&[14.168]$ , $\&[10.242]$ , $\&[13.658]$   
 $\&[4.9143]$ , $\&[7.7671]$ , $\&[3.6132]$ , $\&[10.35]$ , $\&[2.685]$ , $\&[5.0528]$ , $\&[8.501]$ , $\&[14.385]$ , $\&[14.034]$ , $\&[14.026]$

#### CE18B007

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.047816

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&[18.656]\$,&[16.489]\$,&[14.512]\$,&[20.945]\$,&[12.618]\$,&[14.773]\$,&[13.713]\$,&[6.6401]\$,&[16.878]\$,&[15.852]\$&[11.056]\$,&[12.563]\$,&[13.593]\$,&[12.584]\$,&[12.891]\$,&[11.807]\$,&[13.312]\$,&[12.749]\$,&[13.734]\$,&[13.01]\$&[12.691]\$,&[11.918]\$,&[11.036]\$,&[12.066]\$,&[11.435]\$,&[8.4961]\$,&[14.329]\$,&[11.934]\$,&[10.84]\$,&[11.058]\$&[4.8824]\$,&[5.0646]\$,&[8.5336]\$,&[10.357]\$,&[1.3306]\$,&[6.9532]\$,&[5.3086]\$,&[3.4226]\$,&[5.1367]\$,&[7.4917]\$&[10.875]\$,&[10.056]\$,&[14.56]\$,&[12.747]\$,&[10.151]\$,&[10.187]\$,&[11.894]\$,&[9.9192]\$,&[9.1589]\$,&[10.632]\$&[3.3143]\$,&[1.3702]\$,&[6.2161]\$,&[3.2282]\$,&[2.6385]\$,&[3.2845]\$,&[6.231]\$,&[3.394]\$,&[3.8011]\$,&[3.8548]\$&[16.482]\$,&[12.45]\$,&[13.655]\$,&[12.154]\$,&[15.584]\$,&[12.526]\$,&[10.688]\$,&[13.416]\$,&[15.766]\$,&[14.758]\$&[4.4531]\$,&[1.747]\$,&[4.0213]\$,&[2.6323]\$,&[5.356]\$,&[2.4214]\$,&[3.1213]\$,&[3.7708]\$,&[4.0542]\$,&[3.4073]\$&[3.6472]\$,&[11.198]\$,&[10.777]\$,&[7.254]\$,&[6.4488]\$,&[2.9892]\$,&[9.8835]\$,&[7.5099]\$,&[4.6753]\$,&[5.9821]\$&[12.514]\$,&[14.061]\$,&[12.072]\$,&[10.375]\$,&[11.656]\$,&[12.83]\$,&[10.932]\$,&[11.762]\$,&[12.038]\$,&[13.504]\$

CE18B008

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.044781

&[5.7547]\$,&[9.2187]\$,&[7.5427]\$,&[1.2101]\$,&[12.179]\$,&[2.5725]\$,&[6.2299]\$,&[12.235]\$,&[-0.34144]\$,&[11.566]\$&[3.1388]\$,&[10.854]\$,&[6.6429]\$,&[1.8293]\$,&[13.81]\$,&[3.557]\$,&[5.5804]\$,&[13.225]\$,&[4.4461]\$,&[12.817]\$&[5.1144]\$,&[9.7888]\$,&[6.556]\$,&[4.3571]\$,&[11.449]\$,&[3.6431]\$,&[2.3791]\$,&[10.992]\$,&[4.9667]\$,&[11.419]\$&[5.5607]\$,&[5.4531]\$,&[7.852]\$,&[2.5088]\$,&[11.217]\$,&[4.7123]\$,&[5.4313]\$,&[11.741]\$,&[4.1358]\$,&[12.635]\$&[4.2867]\$,&[7.8981]\$,&[6.9903]\$,&[5.02]\$,&[17.133]\$,&[3.486]\$,&[8.0639]\$,&[12.376]\$,&[5.7948]\$,&[16.156]\$&[4.796]\$,&[10.425]\$,&[7.0251]\$,&[0.15361]\$,&[11.655]\$,&[6.3995]\$,&[2.3328]\$,&[12.451]\$,&[1.4386]\$,&[14.451]\$&[7.1173]\$,&[8.0744]\$,&[6.835]\$,&[1.8275]\$,&[9.3387]\$,&[4.3778]\$,&[-0.14844]\$,&[11.273]\$,&[3.2606]\$,&[16.225]\$&[6.0588]\$,&[7.7835]\$,&[7.4511]\$,&[4.6539]\$,&[11.152]\$,&[4.3418]\$,&[9.5092]\$,&[12.119]\$,&[0.45228]\$,&[14.521]\$&[5.5]\$,&[9.226]\$,&[8.1969]\$,&[5.5695]\$,&[5.9959]\$,&[2.5756]\$,&[5.3302]\$,&[12.125]\$,&[0.4053]\$,&[13.678]\$&[6.0574]\$,&[8.8186]\$,&[7.5072]\$,&[3.5849]\$,&[13.249]\$,&[4.6208]\$,&[6.672]\$,&[12.649]\$,&[7.6899]\$,&[15.105]\$

CE18B009

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ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.043661

&[6.983]\$,&[8.738]\$,&[9.1199]\$,&[8.8321]\$,&[7.6033]\$,&[6.8155]\$,&[4.1982]\$,&[7.4682]\$,&[6.848]\$,&[9.6125]\$&[4.2059]\$,&[7.4749]\$,&[5.3711]\$,&[10.323]\$,&[12.459]\$,&[2.7556]\$,&[11.492]\$,&[4.2975]\$,&[13.159]\$,&[3.4194]\$&[9.6918]\$,&[8.1752]\$,&[11.925]\$,&[14.296]\$,&[8.0725]\$,&[11.8]\$,&[7.3021]\$,&[12.501]\$,&[9.4988]\$,&[13.223]\$&[11.679]\$,&[12.48]\$,&[18.134]\$,&[8.9064]\$,&[12.247]\$,&[12.076]\$,&[10.479]\$,&[12.664]\$,&[11.929]\$,&[12.726]\$&[10.827]\$,&[14.708]\$,&[16.097]\$,&[14.122]\$,&[14.17]\$,&[16.906]\$,&[10.139]\$,&[11.394]\$,&[10.578]\$,&[13.438]\$&[5.3962]\$,&[2.676]\$,&[-0.50495]\$,&[2.7808]\$,&[3.8055]\$,&[3.4352]\$,&[-1.951]\$,&[2.4209]\$,&[1.9888]\$,&[2.1188]\$&[1.5289]\$,&[2.7663]\$,&[1.1686]\$,&[4.1378]\$,&[2.0073]\$,&[-1.4077]\$,&[2.2899]\$,&[6.5676]\$,&[2.8145]\$,&[2.6432]\$&[6.1021]\$,&[1.2063]\$,&[5.2223]\$,&[5.1982]\$,&[2.6097]\$,&[5.7805]\$,&[4.1621]\$,&[4.107]\$,&[4.7071]\$,&[2.1219]\$&[9.8864]\$,&[10.907]\$,&[10.071]\$,&[9.8499]\$,&[10.75]\$,&[11.615]\$,&[10.596]\$,&[10.372]\$,&[9.7761]\$,&[10.75]\$&[2.4292]\$,&[1.4897]\$,&[4.1872]\$,&[0.82585]\$,&[1.4576]\$,&[2.8049]\$,&[6.2029]\$,&[1.8508]\$,&[5.3207]\$,&[1.649]\$

#### CE18B010

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.012447

&[26.035]\$,&[10.704]\$,&[13.802]\$,&[5.4405]\$,&[18.242]\$,&[8.538]\$,&[11.405]\$,&[9.3323]\$,&[8.8811]\$,&[0.93631]\$&[16.362]\$,&[10.553]\$,&[11.854]\$,&[3.3864]\$,&[16.282]\$,&[7.3004]\$,&[11.978]\$,&[8.9375]\$,&[5.28]\$,&[0.88676]\$&[9.3433]\$,&[12.158]\$,&[7.0306]\$,&[1.1885]\$,&[13.877]\$,&[5.4502]\$,&[10.695]\$,&[9.0727]\$,&[5.0041]\$,&[2.7565]\$&[16.27]\$,&[11.195]\$,&[13.505]\$,&[1.5117]\$,&[10.34]\$,&[8.2687]\$,&[11.782]\$,&[8.4253]\$,&[6.0445]\$,&[3.1328]\$&[13.16]\$,&[12.259]\$,&[12.81]\$,&[-3.9905]\$,&[16.194]\$,&[9.1444]\$,&[12.797]\$,&[9.2131]\$,&[3.0329]\$,&[1.2361]\$&[13.726]\$,&[13.351]\$,&[11.303]\$,&[3.1291]\$,&[14.444]\$,&[6.1271]\$,&[13.843]\$,&[6.6831]\$,&[-2.2226]\$,&[2.0497]\$&[13.537]\$,&[14.227]\$,&[8.1859]\$,&[4.0269]\$,&[13.713]\$,&[10.105]\$,&[12.335]\$,&[8.4841]\$,&[-0.30611]\$,&[3.1241]\$&[14.878]\$,&[14.201]\$,&[6.6067]\$,&[1.3591]\$,&[14.179]\$,&[8.359]\$,&[12.4]\$,&[8.9927]\$,&[7.7565]\$,&[4.591]\$&[14.59]\$,&[10.108]\$,&[11.572]\$,&[3.095]\$,&[15.037]\$,&[13.497]\$,&[10.082]\$,&[9.1376]\$,&[-0.93442]\$,&[7.2939]\$&[13.922]\$,&[12.435]\$,&[13.592]\$,&[1.9773]\$,&[17.385]\$,&[4.9174]\$,&[14.874]\$,&[10.472]\$,&[2.8067]\$,&[4.6871]\$

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CE18B012

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.030122

&[5.0654]\$,&[7.7134]\$,&[8.3836]\$,&[6.2688]\$,&[12.281]\$,&[4.7556]\$,&[5.2112]\$,&[10.9  
96]\$,&[1.789]\$,&[8.6462]\$  
&[3.7331]\$,&[5.3397]\$,&[11.401]\$,&[3.0887]\$,&[12.786]\$,&[3.4822]\$,&[7.0222]\$,&[10.0  
17]\$,&[3.2092]\$,&[9.3757]\$  
&[1.3922]\$,&[8.6016]\$,&[7.2204]\$,&[4.4125]\$,&[12.656]\$,&[3.3039]\$,&[9.9344]\$,&[8.92  
14]\$,&[4.5874]\$,&[13.26]\$  
&[1.3031]\$,&[6.4062]\$,&[9.4218]\$,&[6.6318]\$,&[11.895]\$,&[5.0973]\$,&[4.456]\$,&[9.100  
4]\$,&[4.8931]\$,&[8.096]\$  
&[0.38616]\$,&[11.387]\$,&[6.7389]\$,&[7.7434]\$,&[13.206]\$,&[4.7676]\$,&[4.0375]\$,&[10.  
145]\$,&[2.4216]\$,&[13.897]\$  
&[1.1585]\$,&[4.4511]\$,&[6.0327]\$,&[6.6393]\$,&[11.722]\$,&[5.0154]\$,&[8.071]\$,&[9.999  
6]\$,&[3.1788]\$,&[16.088]\$  
&[2.4582]\$,&[7.8652]\$,&[10.189]\$,&[3.7633]\$,&[13.388]\$,&[4.8246]\$,&[11.971]\$,&[8.31  
57]\$,&[2.3927]\$,&[10.332]\$  
&[3.4007]\$,&[3.3902]\$,&[7.8461]\$,&[7.6792]\$,&[13.329]\$,&[2.9027]\$,&[6.3516]\$,&[9.63  
54]\$,&[2.343]\$,&[9.4733]\$  
&[2.668]\$,&[6.9437]\$,&[6.4467]\$,&[5.2273]\$,&[15.384]\$,&[3.8442]\$,&[8.8245]\$,&[10.92  
7]\$,&[3.7678]\$,&[12.678]\$  
&[5.4948]\$,&[5.8229]\$,&[7.7421]\$,&[8.0588]\$,&[12.208]\$,&[6.6338]\$,&[6.5139]\$,&[10.6  
57]\$,&[4.7361]\$,&[15.945]\$

CE18B014

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.015501

&[2.2439]\$,&[15.571]\$,&[15.895]\$,&[9.7855]\$,&[2.315]\$,&[2.0154]\$,&[11.694]\$,&[11.50  
1]\$,&[17.06]\$,&[5.3243]\$  
&[8.8907]\$,&[16.765]\$,&[14.048]\$,&[9.055]\$,&[8.2326]\$,&[4.6283]\$,&[9.6881]\$,&[9.203  
3]\$,&[10.864]\$,&[8.1393]\$  
&[8.6342]\$,&[13.965]\$,&[14.713]\$,&[10.199]\$,&[-0.82651]\$,&[6.7272]\$,&[14.244]\$,&[16  
.812]\$,&[12.812]\$,&[4.8963]\$  
&[8.7221]\$,&[12.089]\$,&[15.783]\$,&[10.604]\$,&[3.151]\$,&[7.2575]\$,&[17.144]\$,&[12.45  
4]\$,&[11.964]\$,&[6.8437]\$  
&[2.298]\$,&[13.056]\$,&[15.083]\$,&[7.7572]\$,&[-1.1406]\$,&[6.3673]\$,&[9.8522]\$,&[18.3  
29]\$,&[10.65]\$,&[6.3824]\$  
&[7.8609]\$,&[15.81]\$,&[14.652]\$,&[12.412]\$,&[5.8689]\$,&[-0.74007]\$,&[12.181]\$,&[11.  
047]\$,&[17.782]\$,&[5.5053]\$  
&[10.012]\$,&[12.138]\$,&[14.318]\$,&[12.856]\$,&[5.1751]\$,&[7.7569]\$,&[9.0354]\$,&[12.4  
68]\$,&[13.671]\$,&[3.9173]\$  
&[6.5263]\$,&[11.576]\$,&[15.499]\$,&[13.028]\$,&[2.373]\$,&[10.609]\$,&[14.645]\$,&[10.97  
5]\$,&[11.42]\$,&[7.0309]\$  
&[9.1491]\$,&[12.123]\$,&[15.621]\$,&[5.1715]\$,&[-2.2876]\$,&[3.592]\$,&[14.362]\$,&[16.8  
14]\$,&[9.8612]\$,&[9.121]\$  
&[0.90501]\$,&[14.937]\$,&[15.197]\$,&[7.8256]\$,&[1.1658]\$,&[8.7598]\$,&[12.313]\$,&[13.

62]\$,&[11.945]\$,&[10.797]\$

## CE18B015

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0068012

&[5.5724]\$,&[5.6503]\$,&[6.1742]\$,&[8.022]\$,&[10.844]\$,&[4.1342]\$,&[4.3492]\$,&[13.263]\$,&[3.1306]\$,&[13.055]\$  
&[3.3194]\$,&[9.1063]\$,&[6.0473]\$,&[11.309]\$,&[17.786]\$,&[6.884]\$,&[0.83564]\$,&[18.523]\$,&[3.3448]\$,&[10.212]\$  
&[6.4391]\$,&[9.7063]\$,&[3.5121]\$,&[9.9701]\$,&[12.81]\$,&[13.506]\$,&[1.6135]\$,&[14.401]\$,&[4.0061]\$,&[10.898]\$  
&[1.2253]\$,&[9.0361]\$,&[7.1637]\$,&[9.7189]\$,&[11.735]\$,&[8.8221]\$,&[4.7028]\$,&[14.111]\$,&[2.246]\$,&[15.954]\$  
&[5.7599]\$,&[5.4751]\$,&[5.4914]\$,&[9.2946]\$,&[14.326]\$,&[10.103]\$,&[2.4005]\$,&[16.223]\$,&[2.835]\$,&[11.287]\$  
&[9.4595]\$,&[10.174]\$,&[9.4707]\$,&[9.8523]\$,&[10.385]\$,&[8.8607]\$,&[1.802]\$,&[15.619]\$,&[3.8862]\$,&[7.5777]\$  
&[5.6202]\$,&[2.3339]\$,&[6.4016]\$,&[8.4463]\$,&[9.7408]\$,&[7.4247]\$,&[2.3358]\$,&[15.369]\$,&[2.216]\$,&[12.025]\$  
&[8.6413]\$,&[6.0941]\$,&[4.1302]\$,&[9.5107]\$,&[15.631]\$,&[7.5298]\$,&[4.5788]\$,&[14.372]\$,&[4.4201]\$,&[16.15]\$  
&[4.6969]\$,&[5.3857]\$,&[9.3458]\$,&[8.0304]\$,&[9.7472]\$,&[6.8941]\$,&[1.9193]\$,&[13.985]\$,&[3.449]\$,&[16.589]\$  
&[2.8669]\$,&[3.65]\$,&[4.7406]\$,&[9.631]\$,&[12.896]\$,&[7.5444]\$,&[1.7315]\$,&[17.908]\$,&[2.3597]\$,&[8.2273]\$

## CE18B021

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.021206

&[14.264]\$,&[4.6528]\$,&[12.068]\$,&[6.3789]\$,&[-1.5264]\$,&[7.6056]\$,&[7.5003]\$,&[12.049]\$,&[5.2662]\$,&[15.342]\$  
&[15.466]\$,&[5.5653]\$,&[9.3271]\$,&[2.9777]\$,&[4.0471]\$,&[9.6941]\$,&[12.054]\$,&[9.5455]\$,&[14.677]\$,&[10.929]\$  
&[13.965]\$,&[6.152]\$,&[8.9177]\$,&[2.122]\$,&[2.2627]\$,&[9.7155]\$,&[10.308]\$,&[8.7815]\$,&[14.749]\$,&[9.6766]\$  
&[12.603]\$,&[5.1196]\$,&[8.6065]\$,&[5.3144]\$,&[6.031]\$,&[5.2947]\$,&[6.5009]\$,&[9.3793]\$,&[14.037]\$,&[15.129]\$  
&[16.52]\$,&[3.9363]\$,&[9.921]\$,&[8.1145]\$,&[4.7148]\$,&[6.9815]\$,&[8.4949]\$,&[14.229]\$,&[14.18]\$,&[9.772]\$  
&[13.729]\$,&[1.2981]\$,&[7.7121]\$,&[5.2844]\$,&[6.4512]\$,&[10.299]\$,&[3.8758]\$,&[10.352]\$,&[11.515]\$,&[11.658]\$  
&[15.421]\$,&[3.756]\$,&[14.223]\$,&[7.1074]\$,&[3.4059]\$,&[9.5191]\$,&[5.753]\$,&[9.3895]\$,&[12.54]\$,&[11.004]\$  
&[12.913]\$,&[4.6835]\$,&[12.326]\$,&[6.0896]\$,&[2.0151]\$,&[7.6849]\$,&[7.1034]\$,&[11.152]\$,&[7.9453]\$,&[4.634]\$  
&[12.613]\$,&[3.206]\$,&[9.694]\$,&[6.5504]\$,&[2.2077]\$,&[9.2827]\$,&[8.0008]\$,&[10.416]

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]\$,&[11.125]\$,&[16.513]\$  
&[16.929]\$,&[0.74037]\$,&[13.233]\$,&[7.6324]\$,&[1.1911]\$,&[10.118]\$,&[8.8424]\$,&[9.9  
133]\$,&[10.103]\$,&[8.6205]\$

CE18B022

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.031481

&[0.41765]\$,&[7.9797]\$,&[5.4615]\$,&[8.353]\$,&[16.952]\$,&[15.644]\$,&[4.5752]\$,&[13.2  
53]\$,&[8.3295]\$,&[11.966]\$  
&[1.2967]\$,&[9.0039]\$,&[7.1163]\$,&[9.4264]\$,&[14.306]\$,&[16.709]\$,&[6.5826]\$,&[12.2  
18]\$,&[5.1844]\$,&[12.221]\$  
&[3.2927]\$,&[7.8775]\$,&[5.012]\$,&[7.9978]\$,&[15.094]\$,&[12.72]\$,&[7.6061]\$,&[12.789  
]\$,&[9.749]\$,&[10.727]\$  
&[-0.65007]\$,&[9.3859]\$,&[7.6377]\$,&[12.529]\$,&[10.755]\$,&[15.634]\$,&[12.665]\$,&[11  
.379]\$,&[6.1797]\$,&[8.8107]\$  
&[1.9724]\$,&[9.9908]\$,&[5.2869]\$,&[6.6942]\$,&[15.636]\$,&[15.682]\$,&[5.1172]\$,&[12.8  
16]\$,&[4.5408]\$,&[12.154]\$  
&[-0.21712]\$,&[9.5455]\$,&[5.1308]\$,&[8.0105]\$,&[14.452]\$,&[10.087]\$,&[7.1235]\$,&[12  
.684]\$,&[7.1529]\$,&[7.7949]\$  
&[-0.82539]\$,&[9.3338]\$,&[7.6153]\$,&[10.454]\$,&[14.249]\$,&[16.571]\$,&[9.9158]\$,&[12  
.725]\$,&[7.1465]\$,&[10.785]\$  
&[1.9024]\$,&[10.738]\$,&[4.9298]\$,&[8.4232]\$,&[12.716]\$,&[11.807]\$,&[4.9871]\$,&[13.6  
71]\$,&[7.3644]\$,&[11.024]\$  
&[-1.3773]\$,&[8.6353]\$,&[7.0553]\$,&[11.596]\$,&[11.165]\$,&[11.466]\$,&[5.0712]\$,&[12.  
779]\$,&[3.2314]\$,&[13.728]\$  
&[4.3081]\$,&[8.0638]\$,&[7.9577]\$,&[9.3055]\$,&[16.739]\$,&[21.233]\$,&[7.456]\$,&[11.19  
3]\$,&[5.9239]\$,&[9.977]\$

CE18B025

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.038601

&[2.7442]\$,&[2.1662]\$,&[2.3185]\$,&[2.7655]\$,&[1.3681]\$,&[2.933]\$,&[1.6417]\$,&[-0.96  
105]\$,&[0.58214]\$,&[1.9484]\$  
&[13.488]\$,&[11.461]\$,&[15.185]\$,&[16.794]\$,&[11.222]\$,&[17.022]\$,&[18.03]\$,&[14.72  
7]\$,&[14.773]\$,&[12.98]\$  
&[1.6699]\$,&[1.481]\$,&[9.6376]\$,&[8.4279]\$,&[6.2253]\$,&[7.7457]\$,&[4.4252]\$,&[0.661  
74]\$,&[1.4608]\$,&[6.577]\$  
&[4.3497]\$,&[5.6366]\$,&[5.4445]\$,&[5.2894]\$,&[1.6806]\$,&[2.6266]\$,&[7.035]\$,&[8.145  
5]\$,&[4.7325]\$,&[2.1816]\$  
&[8.9392]\$,&[7.3063]\$,&[9.7828]\$,&[8.8307]\$,&[5.022]\$,&[9.0195]\$,&[9.3665]\$,&[10.22  
8]\$,&[5.6569]\$,&[7.1846]\$  
&[12.504]\$,&[7.3851]\$,&[9.9959]\$,&[12.345]\$,&[6.2045]\$,&[3.2904]\$,&[8.7712]\$,&[-0.2  
0505]\$,&[9.6701]\$,&[9.3716]\$  
&[5.4737]\$,&[6.9413]\$,&[8.8049]\$,&[7.6959]\$,&[9.7113]\$,&[11.366]\$,&[4.4883]\$,&[7.15  
43]\$,&[4.1392]\$,&[5.6828]\$  
&[5.0736]\$,&[2.5152]\$,&[5.7835]\$,&[6.6459]\$,&[11.377]\$,&[7.4706]\$,&[6.4226]\$,&[5.69

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1]\$,&[4.3672]\$,&[9.5584]\$  
&[-0.12277]\$,&[-5.9349]\$,&[2.9414]\$,&[1.387]\$,&[3.4056]\$,&[11.859]\$,&[5.4051]\$,&[3.  
2861]\$,&[6.0552]\$,&[0.28642]\$  
&[11.167]\$,&[11.419]\$,&[10.208]\$,&[11.278]\$,&[10.884]\$,&[8.6421]\$,&[11.111]\$,&[11.7  
69]\$,&[10.126]\$,&[9.8038]\$

#### CE18B027

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.0028158

&[10.644]\$,&[5.808]\$,&[4.566]\$,&[5.8467]\$,&[8.7178]\$,&[7.0729]\$,&[9.2934]\$,&[14.581  
]\$,&[10.924]\$,&[-1.3048]\$  
&[19.933]\$,&[3.24]\$,&[9.705]\$,&[7.6345]\$,&[11.522]\$,&[8.3808]\$,&[6.7854]\$,&[11.741]  
\$,&[13.773]\$,&[1.6762]\$  
&[14.292]\$,&[1.5402]\$,&[3.2749]\$,&[3.3958]\$,&[8.081]\$,&[6.2018]\$,&[8.0312]\$,&[14.82  
5]\$,&[15.192]\$,&[0.44685]\$  
&[17.619]\$,&[1.397]\$,&[0.83788]\$,&[4.6401]\$,&[6.8469]\$,&[6.7876]\$,&[12.351]\$,&[13.9  
78]\$,&[10.943]\$,&[8.7952]\$  
&[14.486]\$,&[4.1756]\$,&[7.3094]\$,&[7.9362]\$,&[8.756]\$,&[7.0125]\$,&[10.049]\$,&[14.12  
]\$,&[13.507]\$,&[0.49033]\$  
&[14.441]\$,&[2.7169]\$,&[9.6955]\$,&[8.3355]\$,&[8.9937]\$,&[6.5507]\$,&[7.6086]\$,&[11.7  
55]\$,&[11.888]\$,&[-0.06532]\$  
&[21.192]\$,&[1.6205]\$,&[5.7254]\$,&[9.5134]\$,&[10.099]\$,&[6.4234]\$,&[8.2547]\$,&[14.7  
56]\$,&[14.869]\$,&[9.0167]\$  
&[15.94]\$,&[5.104]\$,&[7.607]\$,&[4.7365]\$,&[10.194]\$,&[8.0394]\$,&[7.9134]\$,&[13.193]  
\$,&[10.315]\$,&[4.9056]\$  
&[16.693]\$,&[1.2173]\$,&[2.3578]\$,&[7.2248]\$,&[8.4397]\$,&[7.2615]\$,&[9.4198]\$,&[14.3  
44]\$,&[15.188]\$,&[-1.052]\$  
&[12.688]\$,&[0.60392]\$,&[3.2329]\$,&[7.5225]\$,&[7.9694]\$,&[7.8069]\$,&[6.9635]\$,&[13.  
025]\$,&[14.109]\$,&[5.7232]\$

#### CE18B028

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.04349

&[8.2335]\$,&[12.8]\$,&[13.578]\$,&[12.237]\$,&[12.133]\$,&[9.2217]\$,&[9.1856]\$,&[14.994  
]\$,&[17.759]\$,&[13.183]\$  
&[9.5114]\$,&[6.4303]\$,&[7.8742]\$,&[9.4187]\$,&[8.078]\$,&[12.565]\$,&[5.8179]\$,&[8.811  
]\$,&[8.1646]\$,&[11.413]\$  
&[13.354]\$,&[13.434]\$,&[11.32]\$,&[12.05]\$,&[13.92]\$,&[12.637]\$,&[14.621]\$,&[12.202]  
\$,&[11.148]\$,&[16.314]\$  
&[5.8559]\$,&[7.976]\$,&[3.9398]\$,&[3.7769]\$,&[4.5169]\$,&[9.4843]\$,&[8.1736]\$,&[9.419  
6]\$,&[7.4433]\$,&[6.8322]\$  
&[16.227]\$,&[12.961]\$,&[14.49]\$,&[16.584]\$,&[18.887]\$,&[15.64]\$,&[13.718]\$,&[17.349  
]\$,&[11.567]\$,&[16.048]\$  
&[13.202]\$,&[14.444]\$,&[16.175]\$,&[12.624]\$,&[13.835]\$,&[12.347]\$,&[15.693]\$,&[20.6  
78]\$,&[14.062]\$,&[14.331]\$  
&[15.369]\$,&[15.378]\$,&[7.5153]\$,&[17.623]\$,&[9.932]\$,&[16.555]\$,&[12.306]\$,&[11.62

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4]\$,&[9.3505]\$,&[5.4101]\$  
&[11.319]\$,&[9.2401]\$,&[8.2984]\$,&[10.499]\$,&[5.0622]\$,&[8.8962]\$,&[6.3146]\$,&[11.1  
78]\$,&[11.145]\$,&[8.7927]\$  
&[9.7079]\$,&[9.5597]\$,&[14.49]\$,&[15.517]\$,&[13.678]\$,&[10.627]\$,&[5.8132]\$,&[8.049  
]\$,&[9.0146]\$,&[15.06]\$  
&[13.249]\$,&[12.138]\$,&[12.035]\$,&[12.011]\$,&[10.675]\$,&[11.849]\$,&[11.073]\$,&[10.5  
12]\$,&[12.373]\$,&[12.899]\$

CE18B030

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.022009  
&[7.3432]\$,&[13.869]\$,&[12.958]\$,&[10.535]\$,&[7.4255]\$,&[4.9502]\$,&[-1.7997]\$,&[3.5  
578]\$,&[5.8945]\$,&[7.0711]\$  
&[10.702]\$,&[13.233]\$,&[12.65]\$,&[5.8886]\$,&[6.8884]\$,&[4.146]\$,&[6.0537]\$,&[2.8082  
]\$,&[5.979]\$,&[11.172]\$  
&[5.9026]\$,&[9.9191]\$,&[14.867]\$,&[8.8498]\$,&[7.1324]\$,&[7.6514]\$,&[1.1654]\$,&[2.42  
4]\$,&[0.7556]\$,&[7.5043]\$  
&[3.823]\$,&[11.924]\$,&[8.4663]\$,&[8.4097]\$,&[7.6576]\$,&[4.7887]\$,&[1.1651]\$,&[2.455  
9]\$,&[2.9502]\$,&[8.8931]\$  
&[7.703]\$,&[9.8995]\$,&[12.099]\$,&[7.376]\$,&[7.0058]\$,&[5.8502]\$,&[10.195]\$,&[2.6818  
]\$,&[5.4566]\$,&[0.073266]\$  
&[4.1811]\$,&[8.8752]\$,&[9.5289]\$,&[7.2525]\$,&[9.646]\$,&[4.2299]\$,&[5.7599]\$,&[2.054  
4]\$,&[1.2582]\$,&[9.7973]\$  
&[10.22]\$,&[12.791]\$,&[16.102]\$,&[7.0004]\$,&[8.3459]\$,&[5.113]\$,&[7.8254]\$,&[2.3368  
]\$,&[6.9972]\$,&[9.4865]\$  
&[8.497]\$,&[10.904]\$,&[14.01]\$,&[10.092]\$,&[6.0083]\$,&[3.6076]\$,&[2.7063]\$,&[2.7128  
]\$,&[5.7229]\$,&[3.2499]\$  
&[5.9801]\$,&[11.393]\$,&[10.415]\$,&[3.2807]\$,&[8.0396]\$,&[11.147]\$,&[7.8738]\$,&[2.86  
83]\$,&[6.9815]\$,&[5.8449]\$  
&[8.8201]\$,&[15.748]\$,&[14.25]\$,&[8.6429]\$,&[6.6234]\$,&[7.8917]\$,&[6.9557]\$,&[2.423  
5]\$,&[4.9631]\$,&[9.0811]\$

CE18B032

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.027572  
&[7.8459]\$,&[5.867]\$,&[6.0137]\$,&[8.9901]\$,&[1.3029]\$,&[0.688]\$,&[7.9257]\$,&[2.1381  
]\$,&[1.6595]\$,&[3.7265]\$  
&[15.828]\$,&[15.392]\$,&[14.182]\$,&[14.14]\$,&[12.636]\$,&[15.167]\$,&[14.906]\$,&[12.13  
6]\$,&[13.001]\$,&[13.108]\$  
&[9.3895]\$,&[15.151]\$,&[20.979]\$,&[16.341]\$,&[16.694]\$,&[13.172]\$,&[17.743]\$,&[15.8  
23]\$,&[10.559]\$,&[12.826]\$  
&[5.4323]\$,&[3.9354]\$,&[1.71]\$,&[1.6979]\$,&[4.7452]\$,&[4.946]\$,&[4.7341]\$,&[4.6792  
]\$,&[5.5443]\$,&[8.3149]\$  
&[5.5899]\$,&[1.5718]\$,&[4.108]\$,&[3.1107]\$,&[3.6798]\$,&[-2.598]\$,&[2.271]\$,&[2.0389  
]\$,&[5.789]\$,&[3.6965]\$  
&[15.397]\$,&[14.019]\$,&[15.889]\$,&[14.815]\$,&[14.422]\$,&[16.861]\$,&[12.09]\$,&[14.99

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4]\$,&[13.551]\$,&[12.272]\$  
&[5.9848]\$,&[6.3056]\$,&[7.2725]\$,&[5.275]\$,&[4.3537]\$,&[6.9135]\$,&[6.1869]\$,&[11.26  
9]\$,&[4.2396]\$,&[2.2611]\$  
&[14.98]\$,&[13.699]\$,&[17.227]\$,&[15.845]\$,&[12.28]\$,&[20.217]\$,&[14.57]\$,&[16.706]  
\$,,&[16.605]\$,&[14.777]\$  
&[6.7506]\$,&[12.6]\$,&[14.377]\$,&[11.657]\$,&[13.787]\$,&[13.066]\$,&[9.8215]\$,&[7.1696]  
]\$,&[9.9973]\$,&[11.983]\$  
&[6.3842]\$,&[7.7149]\$,&[4.9031]\$,&[4.8541]\$,&[5.7962]\$,&[8.3787]\$,&[8.5909]\$,&[10.2  
72]\$,&[6.4914]\$,&[3.4966]\$

#### CE18B034

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.044303  
&[15.444]\$,&[8.7234]\$,&[6.6144]\$,&[8.5202]\$,&[6.5409]\$,&[-1.0342]\$,&[13.955]\$,&[8.2  
224]\$,&[3.6679]\$,&[4.2997]\$  
&[13.774]\$,&[5.4609]\$,&[7.9729]\$,&[9.0397]\$,&[10.442]\$,&[-4.83]\$,&[16.332]\$,&[9.637  
2]\$,&[2.0331]\$,&[3.7427]\$  
&[13.569]\$,&[6.6817]\$,&[9.0082]\$,&[7.5202]\$,&[16.987]\$,&[4.0175]\$,&[12.865]\$,&[3.66  
77]\$,&[7.3227]\$,&[7.1393]\$  
&[15.518]\$,&[15.372]\$,&[9.5378]\$,&[8.3618]\$,&[9.9762]\$,&[4.4369]\$,&[13.783]\$,&[10.9  
5]\$,&[1.8473]\$,&[4.9609]\$  
&[12.907]\$,&[7.4894]\$,&[6.6632]\$,&[11.772]\$,&[10.108]\$,&[2.8606]\$,&[11.069]\$,&[10.5  
11]\$,&[5.9411]\$,&[3.6545]\$  
&[6.3033]\$,&[4.6897]\$,&[8.2023]\$,&[7.6471]\$,&[17.658]\$,&[1.2941]\$,&[13.139]\$,&[9.93  
36]\$,&[8.4208]\$,&[6.9789]\$  
&[15.33]\$,&[12.021]\$,&[6.5543]\$,&[8.8205]\$,&[13.852]\$,&[6.2086]\$,&[15.981]\$,&[3.387  
7]\$,&[4.2567]\$,&[3.6205]\$  
&[13.929]\$,&[4.4541]\$,&[10.706]\$,&[9.3756]\$,&[9.21]\$,&[8.514]\$,&[11.178]\$,&[5.0303]  
\$,&[4.114]\$,&[4.6479]\$  
&[14.901]\$,&[14.577]\$,&[10.294]\$,&[10.811]\$,&[12.792]\$,&[6.7874]\$,&[10.048]\$,&[10.7  
59]\$,&[5.3078]\$,&[5.2424]\$  
&[11.235]\$,&[10.556]\$,&[9.7445]\$,&[11.452]\$,&[17.353]\$,&[2.2731]\$,&[12.225]\$,&[1.83  
57]\$,&[5.7016]\$,&[0.46319]\$

#### CE18B037

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.022518  
&[10.064]\$,&[7.7179]\$,&[9.7421]\$,&[7.8962]\$,&[11.847]\$,&[8.7959]\$,&[11.949]\$,&[7.31  
35]\$,&[8.6966]\$,&[12.357]\$  
&[13.341]\$,&[9.2576]\$,&[14.507]\$,&[13.586]\$,&[11.603]\$,&[14.124]\$,&[10.872]\$,&[12.4  
56]\$,&[12.923]\$,&[13.319]\$  
&[4.6772]\$,&[7.1977]\$,&[5.9748]\$,&[6.8683]\$,&[-3.1238]\$,&[0.86665]\$,&[3.6323]\$,&[6.  
236]\$,&[4.596]\$,&[7.3823]\$  
&[12.073]\$,&[10.857]\$,&[11.83]\$,&[10.68]\$,&[10.627]\$,&[12.282]\$,&[11.677]\$,&[11.198]  
]\$,&[10.864]\$,&[11.335]\$  
&[15.402]\$,&[14.603]\$,&[14.598]\$,&[16.624]\$,&[12.506]\$,&[13.548]\$,&[14.067]\$,&[14.4

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79]\$,&[13.846]\$,&[15.179]\$  
&[4.2072]\$,&[1.9467]\$,&[1.7682]\$,&[3.0489]\$,&[5.4934]\$,&[1.9942]\$,&[5.1889]\$,&[3.87  
14]\$,&[3.735]\$,&[2.9865]\$  
&[7.7293]\$,&[13.23]\$,&[11.085]\$,&[11.53]\$,&[17.472]\$,&[14.748]\$,&[14.008]\$,&[15.231  
]\$,&[16.695]\$,&[15.011]\$  
&[2.8028]\$,&[2.0658]\$,&[0.78682]\$,&[3.6995]\$,&[1.2552]\$,&[4.0692]\$,&[2.2086]\$,&[1.2  
987]\$,&[4.0577]\$,&[0.10502]\$  
&[9.4848]\$,&[8.8156]\$,&[7.8528]\$,&[8.9846]\$,&[10.601]\$,&[12.914]\$,&[10.928]\$,&[10.1  
22]\$,&[9.8813]\$,&[7.0994]\$  
&[14.801]\$,&[6.8164]\$,&[18.39]\$,&[14.366]\$,&[13.245]\$,&[13.381]\$,&[10.226]\$,&[13.29  
1]\$,&[10.059]\$,&[9.5554]\$

CE18B038

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.037657

&[2.957]\$,&[7.0363]\$,&[13.216]\$,&[3.8492]\$,&[12.046]\$,&[12.27]\$,&[2.6139]\$,&[2.3929  
]\$,&[5.0956]\$,&[3.1612]\$  
&[0.72311]\$,&[9.3349]\$,&[14.342]\$,&[2.843]\$,&[19.83]\$,&[13.253]\$,&[7.1465]\$,&[0.815  
95]\$,&[9.0762]\$,&[7.6236]\$  
&[2.7454]\$,&[5.1975]\$,&[13.015]\$,&[1.4296]\$,&[17.527]\$,&[14.365]\$,&[5.8387]\$,&[2.31  
09]\$,&[5.2316]\$,&[4.853]\$  
&[1.0539]\$,&[8.0721]\$,&[14.88]\$,&[2.9873]\$,&[12.172]\$,&[13.42]\$,&[9.6578]\$,&[1.7294  
]\$,&[9.1411]\$,&[2.4728]\$  
&[2.3033]\$,&[5.5889]\$,&[9.4085]\$,&[1.8606]\$,&[16.217]\$,&[12.539]\$,&[2.8122]\$,&[2.71  
95]\$,&[9.0908]\$,&[4.6595]\$  
&[2.8034]\$,&[6.2899]\$,&[15.858]\$,&[5.0624]\$,&[11.03]\$,&[13.691]\$,&[5.3873]\$,&[3.204  
5]\$,&[3.4075]\$,&[4.6818]\$  
&[1.4101]\$,&[16.196]\$,&[17.478]\$,&[3.2925]\$,&[14.07]\$,&[13.885]\$,&[4.2049]\$,&[3.216  
4]\$,&[4.2709]\$,&[11.216]\$  
&[3.343]\$,&[6.098]\$,&[15.189]\$,&[2.4861]\$,&[11.058]\$,&[14.372]\$,&[4.7017]\$,&[2.7739  
]\$,&[7.5527]\$,&[4.4433]\$  
&[0.70391]\$,&[7.7331]\$,&[14.957]\$,&[5.9493]\$,&[16.872]\$,&[14.573]\$,&[4.9509]\$,&[2.3  
909]\$,&[8.3861]\$,&[3.4341]\$  
&[3.3589]\$,&[9.723]\$,&[14.508]\$,&[5.3787]\$,&[14.863]\$,&[12.796]\$,&[3.0336]\$,&[1.544  
4]\$,&[6.8596]\$,&[10.784]\$

CE18B039

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.042179

&[13.871]\$,&[14.285]\$,&[12.496]\$,&[12.234]\$,&[12.93]\$,&[12.919]\$,&[14.974]\$,&[11.81  
]\$,&[13.006]\$,&[12.346]\$  
&[6.8276]\$,&[11.047]\$,&[11.006]\$,&[8.9893]\$,&[11.57]\$,&[8.8701]\$,&[10.76]\$,&[12.846  
]\$,&[14.683]\$,&[14.633]\$  
&[6.849]\$,&[6.2385]\$,&[1.2109]\$,&[8.1224]\$,&[2.9874]\$,&[3.6966]\$,&[6.3635]\$,&[11.22  
2]\$,&[3.2223]\$,&[12.156]\$  
&[8.7981]\$,&[12.811]\$,&[12.281]\$,&[16.193]\$,&[10.988]\$,&[10.108]\$,&[12.352]\$,&[13.2

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16]\$,&[14.011]\$,&[9.8713]\$  
&[17.789]\$,&[13.58]\$,&[9.7044]\$,&[6.7865]\$,&[15.589]\$,&[15.318]\$,&[12.594]\$,&[14.48  
2]\$,&[15.26]\$,&[10.346]\$  
&[8.4085]\$,&[6.4826]\$,&[4.9637]\$,&[10.325]\$,&[7.5889]\$,&[8.0526]\$,&[9.5475]\$,&[12.7  
91]\$,&[12.421]\$,&[14.1]\$  
&[5.932]\$,&[6.4914]\$,&[6.8663]\$,&[4.1952]\$,&[4.8597]\$,&[3.766]\$,&[4.5623]\$,&[4.5319  
]\$,&[6.3503]\$,&[2.658]\$  
&[2.5218]\$,&[5.7139]\$,&[5.574]\$,&[3.3816]\$,&[4.5936]\$,&[3.0406]\$,&[5.1978]\$,&[2.933  
7]\$,&[2.9743]\$,&[5.6301]\$  
&[3.202]\$,&[3.6812]\$,&[3.8619]\$,&[4.9724]\$,&[4.4977]\$,&[3.3139]\$,&[3.1522]\$,&[4.041  
6]\$,&[2.2676]\$,&[3.9111]\$  
&[10.313]\$,&[7.3138]\$,&[9.1669]\$,&[7.4747]\$,&[11.1]\$,&[9.7478]\$,&[8.9826]\$,&[11.708  
]\$,&[8.3265]\$,&[11.188]\$

#### CE18B041

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.032341

&[3.0758]\$,&[14.604]\$,&[14.697]\$,&[10.935]\$,&[8.7208]\$,&[8.7548]\$,&[3.6679]\$,&[16.3  
56]\$,&[11.828]\$,&[8.9659]\$  
&[3.6438]\$,&[11.918]\$,&[10.893]\$,&[9.3167]\$,&[9.5268]\$,&[8.9974]\$,&[6.1046]\$,&[14.9  
55]\$,&[14.518]\$,&[11.001]\$  
&[3.0882]\$,&[12.415]\$,&[13.965]\$,&[9.7892]\$,&[11.038]\$,&[9.4417]\$,&[3.0356]\$,&[12.2  
6]\$,&[13.165]\$,&[8.9905]\$  
&[3.7427]\$,&[15.617]\$,&[15.802]\$,&[9.1556]\$,&[9.9009]\$,&[10.597]\$,&[4.7751]\$,&[15.2  
5]\$,&[12.715]\$,&[9.9868]\$  
&[3.3236]\$,&[10.811]\$,&[15.317]\$,&[8.0179]\$,&[8.7735]\$,&[10.68]\$,&[7.2589]\$,&[15.89  
2]\$,&[13.171]\$,&[9.7289]\$  
&[2.6012]\$,&[15.285]\$,&[14.887]\$,&[6.5354]\$,&[8.167]\$,&[9.6531]\$,&[7.589]\$,&[12.365  
]\$,&[14.552]\$,&[7.6503]\$  
&[2.4811]\$,&[15.352]\$,&[16.294]\$,&[10.753]\$,&[10.477]\$,&[9.5129]\$,&[8.32]\$,&[10.431  
]\$,&[12.285]\$,&[5.1516]\$  
&[3.2206]\$,&[11.256]\$,&[13.565]\$,&[10.589]\$,&[10.313]\$,&[9.6773]\$,&[3.0017]\$,&[14.5  
37]\$,&[14.425]\$,&[8.0109]\$  
&[3.3104]\$,&[11.976]\$,&[13.557]\$,&[10.626]\$,&[9.3659]\$,&[11.03]\$,&[4.3925]\$,&[10.20  
2]\$,&[14.897]\$,&[8.6139]\$  
&[3.3604]\$,&[10.225]\$,&[15.101]\$,&[9.2758]\$,&[9.3739]\$,&[9.6567]\$,&[2.248]\$,&[11.95  
3]\$,&[13.137]\$,&[10.986]\$

#### CE18B043

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.011284

&[18.022]\$,&[17.758]\$,&[9.5382]\$,&[13.922]\$,&[14.536]\$,&[8.8213]\$,&[14.778]\$,&[15.3  
62]\$,&[9.2826]\$,&[15.442]\$  
&[9.0921]\$,&[14.644]\$,&[11.166]\$,&[10.119]\$,&[10.333]\$,&[9.5835]\$,&[9.302]\$,&[14.04  
9]\$,&[10.799]\$,&[10.712]\$  
&[7.6056]\$,&[6.0347]\$,&[4.2237]\$,&[9.1256]\$,&[12.884]\$,&[8.1328]\$,&[9.4933]\$,&[10.4

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84]\$,&[11.348]\$,&[10.133]\$  
&[7.9225]\$,&[7.3964]\$,&[6.6057]\$,&[10.08]\$,&[9.0597]\$,&[5.711]\$,&[7.6239]\$,&[8.389]  
\$,&[5.7138]\$,&[7.3756]\$  
&[12.095]\$,&[8.9793]\$,&[13.545]\$,&[11.761]\$,&[12.094]\$,&[14.478]\$,&[10.795]\$,&[9.95  
35]\$,&[7.4173]\$,&[10.725]\$  
&[10.601]\$,&[11.784]\$,&[12.634]\$,&[12.203]\$,&[12.249]\$,&[13.892]\$,&[12.191]\$,&[10.9  
34]\$,&[14.818]\$,&[10.982]\$  
&[14.038]\$,&[10.056]\$,&[15.609]\$,&[11.888]\$,&[16.708]\$,&[18.39]\$,&[15.271]\$,&[19.60  
8]\$,&[16.591]\$,&[19.181]\$  
&[9.1743]\$,&[10.544]\$,&[10.72]\$,&[10.55]\$,&[9.4179]\$,&[10.465]\$,&[10.071]\$,&[9.9656  
]\$,&[10.131]\$,&[9.259]\$  
&[12.756]\$,&[9.6868]\$,&[8.8515]\$,&[12.209]\$,&[12.987]\$,&[10.929]\$,&[13.676]\$,&[12.0  
34]\$,&[14.37]\$,&[11.763]\$  
&[6.3262]\$,&[6.2417]\$,&[6.1344]\$,&[6.2487]\$,&[6.411]\$,&[6.1536]\$,&[6.0371]\$,&[6.400  
2]\$,&[6.2128]\$,&[6.5736]\$

CE18B044

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.042494

&[4.6663]\$,&[6.164]\$,&[14.013]\$,&[12.236]\$,&[10.324]\$,&[13.608]\$,&[11.946]\$,&[5.414  
5]\$,&[14.585]\$,&[3.9389]\$  
&[4.0593]\$,&[1.587]\$,&[11.055]\$,&[10.636]\$,&[5.5731]\$,&[14.6]\$,&[11.402]\$,&[4.8518  
]\$,&[13.353]\$,&[4.644]\$  
&[4.2914]\$,&[2.9015]\$,&[11.395]\$,&[13.255]\$,&[4.6147]\$,&[14.544]\$,&[13.221]\$,&[8.17  
31]\$,&[14.705]\$,&[3.2183]\$  
&[3.8432]\$,&[5.1278]\$,&[14.083]\$,&[14.234]\$,&[5.3761]\$,&[11.292]\$,&[13.053]\$,&[10.3  
13]\$,&[11.391]\$,&[5.0085]\$  
&[5.0124]\$,&[3.916]\$,&[15.295]\$,&[12.684]\$,&[12.244]\$,&[8.5192]\$,&[16.267]\$,&[8.439  
5]\$,&[9.9159]\$,&[4.6011]\$  
&[4.0648]\$,&[3.2422]\$,&[15.179]\$,&[13.763]\$,&[6.6912]\$,&[9.8534]\$,&[17.015]\$,&[7.78  
69]\$,&[10.453]\$,&[5.5439]\$  
&[6.6174]\$,&[2.9571]\$,&[9.2247]\$,&[15.196]\$,&[9.1437]\$,&[13.325]\$,&[13.257]\$,&[8.84  
06]\$,&[10.724]\$,&[1.8795]\$  
&[3.2711]\$,&[3.428]\$,&[15.376]\$,&[12.059]\$,&[8.1611]\$,&[11.541]\$,&[13.054]\$,&[7.588  
4]\$,&[13.566]\$,&[6.3392]\$  
&[4.0187]\$,&[4.2258]\$,&[19.765]\$,&[10.415]\$,&[5.2155]\$,&[14.257]\$,&[15.832]\$,&[9.72  
37]\$,&[12.635]\$,&[5.2502]\$  
&[5.408]\$,&[2.2781]\$,&[8.8158]\$,&[11.343]\$,&[5.405]\$,&[13.075]\$,&[7.7021]\$,&[9.7384  
]\$,&[15.073]\$,&[2.5776]\$

CE18B046

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.017411

&[8.192]\$,&[8.0458]\$,&[6.7893]\$,&[12.983]\$,&[12.144]\$,&[15.639]\$,&[5.4202]\$,&[13.65  
3]\$,&[11.65]\$,&[7.4313]\$  
&[7.7613]\$,&[9.2647]\$,&[9.0422]\$,&[9.6638]\$,&[6.5567]\$,&[14.683]\$,&[1.4492]\$,&[12.0

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41]\$,&[11.958]\$,&[9.7608]\$  
&[10.123]\$,&[9.137]\$,&[7.4114]\$,&[11.229]\$,&[6.6883]\$,&[14.305]\$,&[0.4529]\$,&[11.843]\$,&[11.667]\$,&[8.9331]\$  
&[10.11]\$,&[7.812]\$,&[7.3511]\$,&[12.666]\$,&[7.3874]\$,&[13.599]\$,&[1.871]\$,&[13.568]\$  
,&[10.976]\$,&[14.205]\$  
&[10.45]\$,&[7.0992]\$,&[8.2338]\$,&[9.462]\$,&[7.4887]\$,&[18.23]\$,&[2.5429]\$,&[12.557]\$  
,&[9.9044]\$,&[7.0631]\$  
&[10.534]\$,&[8.6623]\$,&[6.5017]\$,&[7.4393]\$,&[5.1373]\$,&[15.937]\$,&[1.3756]\$,&[11.567]\$,&[10.019]\$,&[8.3917]\$  
&[9.3229]\$,&[8.1279]\$,&[7.4407]\$,&[12.258]\$,&[11.387]\$,&[13.67]\$,&[1.8936]\$,&[14.041]\$  
,&[9.8854]\$,&[12.353]\$  
&[11.174]\$,&[5.9197]\$,&[5.9166]\$,&[9.733]\$,&[7.6357]\$,&[13.467]\$,&[4.1538]\$,&[10.175]\$  
,&[11.686]\$,&[11.245]\$  
&[12.117]\$,&[9.4692]\$,&[6.5285]\$,&[12.831]\$,&[12.536]\$,&[14.383]\$,&[2.8143]\$,&[13.372]\$  
,&[11.288]\$,&[7.7479]\$  
&[11.423]\$,&[8.7184]\$,&[4.488]\$,&[9.7256]\$,&[11.862]\$,&[17.506]\$,&[1.0297]\$,&[16.252]\$  
,&[11.744]\$,&[8.9617]\$

CE18B047

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.012311

&[8.4108]\$,&[7.7899]\$,&[6.5867]\$,&[7.9746]\$,&[6.3953]\$,&[7.5355]\$,&[14.536]\$,&[15.774]\$,&[11.13]\$,&[13.685]\$  
&[4.8573]\$,&[6.1025]\$,&[7.0519]\$,&[14.16]\$,&[10.175]\$,&[9.1094]\$,&[11.719]\$,&[14.69]\$  
,&[7.793]\$,&[13.716]\$  
&[6.4296]\$,&[13.84]\$,&[7.0451]\$,&[6.6267]\$,&[9.4579]\$,&[2.2395]\$,&[12.627]\$,&[13.793]\$  
,&[10.024]\$,&[13.096]\$  
&[9.5059]\$,&[7.9953]\$,&[8.695]\$,&[8.4874]\$,&[6.3304]\$,&[3.7264]\$,&[17.198]\$,&[13.788]\$  
,&[9.7795]\$,&[14.576]\$  
&[5.6191]\$,&[10.223]\$,&[7.36]\$,&[10.193]\$,&[9.0824]\$,&[4.5912]\$,&[18.683]\$,&[15.189]\$  
,&[10.174]\$,&[11.442]\$  
&[6.103]\$,&[7.5594]\$,&[7.0449]\$,&[10.827]\$,&[11.301]\$,&[8.8376]\$,&[16.497]\$,&[14.346]\$  
,&[13.777]\$,&[13.549]\$  
&[5.6841]\$,&[10.561]\$,&[-0.58349]\$,&[11.803]\$,&[8.2344]\$,&[6.2644]\$,&[13.923]\$,&[12.221]\$  
,&[12.385]\$,&[15.498]\$  
&[8.3775]\$,&[9.0857]\$,&[5.5763]\$,&[3.4235]\$,&[10.3]\$,&[8.1863]\$,&[14.736]\$,&[14.538]\$  
,&[8.142]\$,&[10.607]\$  
&[11.242]\$,&[12.293]\$,&[13.54]\$,&[10.019]\$,&[5.6153]\$,&[3.7403]\$,&[12.27]\$,&[13.88]\$  
,&[13.742]\$,&[12.224]\$  
&[3.7052]\$,&[10.818]\$,&[4.0732]\$,&[6.7198]\$,&[13.161]\$,&[10.22]\$,&[12.983]\$,&[13.918]\$  
,&[12.224]\$,&[12.616]\$

CE18B053

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.029099

&[21.995]\$,&[13.348]\$,&[14.638]\$,&[13.363]\$,&[13.875]\$,&[18.411]\$,&[14.49]\$,&[11.60

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6],&[11.291],&[12.262]  
&[16.296],&[11.112],&[14.117],&[15.888],&[14.933],&[14.384],&[16.408],&[14.2  
43],&[13.427],&[15.251]  
&[0.57407],&[1.5967],&[2.5054],&[1.9743],&[-0.21166],&[2.7266],&[0.9343],&[-  
0.23246],&[2.6434],&[1.3413]  
&[4.7045],&[12.241],&[5.9426],&[3.7853],&[6.0368],&[6.6913],&[6.4658],&[1.21  
11],&[5.5736],&[9.4782]  
&[13.868],&[16.232],&[6.7908],&[5.9453],&[12.338],&[7.7204],&[5.4187],&[7.42  
43],&[7.4273],&[5.413]  
&[14.307],&[15.055],&[12.731],&[12.809],&[15.622],&[14.051],&[9.1589],&[13.6  
3],&[13.635],&[13.397]  
&[6.7937],&[8.1734],&[6.4618],&[5.9169],&[8.1488],&[7.9234],&[7.5484],&[7.41  
08],&[5.8641],&[8.1922]  
&[8.3878],&[8.6474],&[7.3491],&[9.9317],&[11.585],&[4.9769],&[4.5857],&[8.94  
5],&[15.907],&[9.7325]  
&[1.4212],&[0.8088],&[4.2993],&[3.8723],&[4.0679],&[1.8595],&[3.0624],&[0.93  
386],&[-0.7293],&[2.7536]  
&[12.709],&[11.246],&[12.302],&[11.997],&[11.722],&[11.176],&[11.522],&[12.0  
8],&[12.069],&[11.298]

CE18B057

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.015476  
&[6.9243],&[8.0902],&[6.3375],&[6.837],&[6.2256],&[8.1455],&[5.4246],&[4.122  
8],&[5.7577],&[7.1939]  
&[15.382],&[13.864],&[17.07],&[14.253],&[18.326],&[11.947],&[7.9173],&[14.49  
7],&[16.522],&[18.954]  
&[9.0989],&[11.438],&[6.3067],&[6.7484],&[6.7439],&[9.9072],&[10.681],&[8.23  
55],&[11.673],&[6.2068]  
&[2.3209],&[2.2396],&[2.3083],&[5.651],&[2.3451],&[7.1778],&[-0.071821],&[5.  
9193],&[2.5247],&[5.2951]  
&[8.2353],&[8.5427],&[7.976],&[8.0631],&[7.1346],&[7.7265],&[8.9091],&[8.349  
3],&[9.3176],&[8.6844]  
&[15.193],&[7.9671],&[12.003],&[13.759],&[9.4903],&[10.045],&[9.8134],&[10.1  
71],&[10.928],&[11.298]  
&[7.4906],&[5.602],&[3.5534],&[6.742],&[6.9753],&[7.2501],&[8.6315],&[5.0319  
],&[4.7672],&[4.6054]  
&[18.258],&[12.953],&[9.2408],&[19.226],&[12.058],&[17.624],&[9.6899],&[10.4  
15],&[11.279],&[18.741]  
&[12.638],&[11.242],&[17.013],&[7.3928],&[10.846],&[12.157],&[12.963],&[18.7  
14],&[14.302],&[13.857]  
&[12.635],&[14.233],&[12.681],&[13.344],&[17.301],&[12.498],&[13.929],&[11.9  
25],&[15.113],&[12.63]

CE18B058

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

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alpha = 0.01564  
&[9.5806]\$,&[10.022]\$,&[2.9238]\$,&[11.049]\$,&[8.4322]\$,&[5.8593]\$,&[11.33]\$,&[12.507]\$,&[6.6782]\$,&[1.3055]\$  
&[16.218]\$,&[12.003]\$,&[-0.61079]\$,&[12.405]\$,&[6.698]\$,&[5.618]\$,&[10.636]\$,&[6.7057]\$,&[4.3672]\$,&[4.4524]\$  
&[12.32]\$,&[7.7223]\$,&[1.1273]\$,&[18.167]\$,&[6.8266]\$,&[6.5321]\$,&[15.582]\$,&[9.5435]\$,&[7.7527]\$,&[3.8034]\$  
&[9.9966]\$,&[10.737]\$,&[3.2729]\$,&[15.094]\$,&[7.4892]\$,&[5.1779]\$,&[10.623]\$,&[14.13]\$,&[5.3848]\$,&[3.6603]\$  
&[11.704]\$,&[14.337]\$,&[4.2934]\$,&[11.774]\$,&[8.2464]\$,&[4.9292]\$,&[15.013]\$,&[9.3952]\$,&[1.557]\$,&[1.2069]\$  
&[12.154]\$,&[11.826]\$,&[1.4043]\$,&[14.647]\$,&[6.4178]\$,&[4.0358]\$,&[16.915]\$,&[9.5312]\$,&[3.0377]\$,&[3.1659]\$  
&[9.1148]\$,&[11.38]\$,&[2.0791]\$,&[15.568]\$,&[6.6757]\$,&[8.3537]\$,&[10.63]\$,&[7.3872]\$,&[4.3618]\$,&[6.1592]\$  
&[8.0027]\$,&[14.889]\$,&[1.0836]\$,&[6.7998]\$,&[10.606]\$,&[4.1893]\$,&[10.57]\$,&[6.5561]\$,&[3.7987]\$,&[1.732]\$  
&[9.4406]\$,&[8.3464]\$,&[0.98062]\$,&[13.058]\$,&[9.9567]\$,&[8.1592]\$,&[15.48]\$,&[8.4842]\$,&[1.8224]\$,&[4.8368]\$  
&[8.8048]\$,&[10.632]\$,&[0.3789]\$,&[7.5934]\$,&[8.4871]\$,&[4.9853]\$,&[18.635]\$,&[4.114]\$,&[8.4134]\$,&[1.2749]\$

CE18B059

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.042964  
&[13.433]\$,&[9.5944]\$,&[13.917]\$,&[7.2096]\$,&[15.29]\$,&[7.5868]\$,&[7.7059]\$,&[7.7507]\$,&[6.3168]\$,&[3.4149]\$  
&[11.644]\$,&[10.186]\$,&[13.425]\$,&[12.532]\$,&[9.3381]\$,&[7.2379]\$,&[15.189]\$,&[7.6662]\$,&[1.6906]\$,&[0.96056]\$  
&[13.201]\$,&[9.9771]\$,&[15.216]\$,&[14.82]\$,&[12.86]\$,&[10.615]\$,&[11.701]\$,&[7.3328]\$,&[5.4121]\$,&[6.2982]\$  
&[12.453]\$,&[10.096]\$,&[18.106]\$,&[11.396]\$,&[12.075]\$,&[8.7853]\$,&[5.8645]\$,&[7.9944]\$,&[5.9273]\$,&[12.45]\$  
&[14.049]\$,&[10.044]\$,&[14.518]\$,&[12.234]\$,&[8.3045]\$,&[4.0555]\$,&[11.751]\$,&[6.8292]\$,&[9.2662]\$,&[3.2376]\$  
&[12.56]\$,&[9.782]\$,&[16.789]\$,&[9.2193]\$,&[15.39]\$,&[11.499]\$,&[17.053]\$,&[6.4423]\$,&[0.86636]\$,&[3.1833]\$  
&[13.042]\$,&[9.6787]\$,&[13.019]\$,&[8.734]\$,&[9.9427]\$,&[8.8093]\$,&[7.3411]\$,&[5.508]\$,&[4.1656]\$,&[2.2497]\$  
&[12.351]\$,&[10.136]\$,&[16.434]\$,&[5.8114]\$,&[10.387]\$,&[12.797]\$,&[12.736]\$,&[8.2604]\$,&[8.6811]\$,&[1.3138]\$  
&[14.014]\$,&[9.9774]\$,&[16.412]\$,&[7.3609]\$,&[16.368]\$,&[15.588]\$,&[12.104]\$,&[5.2889]\$,&[7.9855]\$,&[2.1549]\$  
&[13.509]\$,&[9.8862]\$,&[13.588]\$,&[9.6161]\$,&[10.55]\$,&[6.8336]\$,&[14.851]\$,&[6.9713]\$,&[1.3288]\$,&[5.9104]\$

BT2022\_qiii\_22\_alldata

CE18B060

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.010849

&[12.931]\$,&[3.6588]\$,&[12.193]\$,&[11.131]\$,&[15.335]\$,&[4.7005]\$,&[8.6435]\$,&[14.236]\$,&[8.0402]\$,&[7.7435]\$  
&[8.7726]\$,&[0.32986]\$,&[13.525]\$,&[9.3975]\$,&[13.218]\$,&[13.886]\$,&[8.5885]\$,&[12.54]\$,&[8.5999]\$,&[12.04]\$  
&[10.027]\$,&[1.481]\$,&[15.442]\$,&[5.1596]\$,&[8.24]\$,&[6.6892]\$,&[4.3206]\$,&[14.446]\$,\$,&[7.6013]\$,&[10.884]\$  
&[9.932]\$,&[-1.4398]\$,&[8.3243]\$,&[13.381]\$,&[7.6964]\$,&[0.55864]\$,&[13.447]\$,&[13.202]\$,&[7.0852]\$,&[11.038]\$  
&[10.529]\$,&[3.4585]\$,&[12.488]\$,&[7.7748]\$,&[12.336]\$,&[6.3075]\$,&[11.097]\$,&[11.239]\$,&[1.9888]\$,&[13.609]\$  
&[9.1086]\$,&[3.2129]\$,&[13.042]\$,&[3.9692]\$,&[15.747]\$,&[6.1475]\$,&[16.618]\$,&[13.61]\$,&[3.5885]\$,&[11.417]\$  
&[15.044]\$,&[2.3036]\$,&[15.316]\$,&[4.3433]\$,&[11.175]\$,&[5.8572]\$,&[9.7797]\$,&[11.384]\$,&[4.156]\$,&[13.885]\$  
&[10.597]\$,&[0.41214]\$,&[14.555]\$,&[7.203]\$,&[14.237]\$,&[6.3395]\$,&[10.416]\$,&[12.835]\$,&[5.7429]\$,&[19.161]\$  
&[10.692]\$,&[1.4235]\$,&[14.398]\$,&[2.998]\$,&[16.897]\$,&[7.6196]\$,&[13.539]\$,&[15.899]\$,&[5.0368]\$,&[17.687]\$  
&[10.141]\$,&[2.2136]\$,&[11.328]\$,&[10.194]\$,&[13.582]\$,&[1.1731]\$,&[15.389]\$,&[15.62]\$,&[5.3496]\$,&[11.813]\$

CE18B063

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0015148

&[7.6837]\$,&[13.856]\$,&[3.0317]\$,&[12.864]\$,&[11.24]\$,&[12.804]\$,&[6.3796]\$,&[4.112]\$,&[15.432]\$,&[11.434]\$  
&[4.3596]\$,&[11.967]\$,&[3.0408]\$,&[13.603]\$,&[6.9048]\$,&[6.996]\$,&[5.7553]\$,&[7.7598]\$,&[9.0233]\$,&[10.738]\$  
&[3.271]\$,&[17.307]\$,&[3.0076]\$,&[11.86]\$,&[6.6748]\$,&[10.785]\$,&[6.5756]\$,&[7.1146]\$,&[13.557]\$,&[10.939]\$  
&[3.6913]\$,&[16.061]\$,&[2.5623]\$,&[8.0119]\$,&[5.9533]\$,&[6.7712]\$,&[5.0343]\$,&[8.2659]\$,&[16.405]\$,&[10.361]\$  
&[6.2824]\$,&[17.652]\$,&[2.4613]\$,&[10.019]\$,&[4.6255]\$,&[6.4821]\$,&[6.7511]\$,&[4.4078]\$,&[16.926]\$,&[9.8804]\$  
&[1.7834]\$,&[14.085]\$,&[3.0083]\$,&[11.286]\$,&[7.8614]\$,&[8.1519]\$,&[9.32]\$,&[9.9591]\$,&[10.047]\$,&[11.361]\$  
&[2.3501]\$,&[12.869]\$,&[2.1534]\$,&[12.782]\$,&[5.9537]\$,&[2.474]\$,&[6.5574]\$,&[5.9094]\$,&[13.029]\$,&[11.482]\$  
&[2.5343]\$,&[14.602]\$,&[3.9162]\$,&[10.205]\$,&[10.498]\$,&[0.80293]\$,&[6.3558]\$,&[3.6834]\$,&[13.951]\$,&[9.9632]\$  
&[5.2242]\$,&[14.427]\$,&[2.8633]\$,&[8.5648]\$,&[4.9554]\$,&[9.7715]\$,&[7.4977]\$,&[8.9236]\$,&[14.157]\$,&[10.557]\$  
&[5.0483]\$,&[17.225]\$,&[1.4217]\$,&[15.362]\$,&[5.0835]\$,&[7.9624]\$,&[2.6811]\$,&[5.7223]\$,&[12.352]\$,&[9.9752]\$

BT2022\_qiii\_22\_alldata

CE18B103

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.033865

&[10.243]\$,&[13.655]\$,&[10.174]\$,&[14.786]\$,&[15.42]\$,&[12.72]\$,&[10.241]\$,&[6.6522]\$,&[14.654]\$,&[8.0946]\$  
&[8.035]\$,&[12.207]\$,&[13.32]\$,&[14.757]\$,&[11.132]\$,&[8.3214]\$,&[8.9618]\$,&[10.525]\$,&[9.5657]\$,&[8.0898]\$  
&[12.233]\$,&[13.919]\$,&[12.879]\$,&[14.611]\$,&[13.943]\$,&[13.202]\$,&[13.224]\$,&[13.032]\$,&[12.604]\$,&[10.895]\$  
&[13.262]\$,&[16.328]\$,&[17.008]\$,&[16.48]\$,&[13.669]\$,&[13.348]\$,&[15.481]\$,&[14.224]\$,&[12.017]\$,&[12.484]\$  
&[11.053]\$,&[12.31]\$,&[13.853]\$,&[10.338]\$,&[10.267]\$,&[11.792]\$,&[7.1897]\$,&[7.9613]\$,&[5.629]\$,&[12.893]\$  
&[7.1797]\$,&[6.637]\$,&[12.567]\$,&[8.6591]\$,&[9.7516]\$,&[1.6989]\$,&[5.5803]\$,&[4.2297]\$,&[7.2097]\$,&[7.0587]\$  
&[9.9183]\$,&[10.003]\$,&[10.794]\$,&[10.849]\$,&[7.9386]\$,&[11.686]\$,&[10.332]\$,&[11.26]\$,&[9.6628]\$,&[10.785]\$  
&[6.9472]\$,&[7.8216]\$,&[9.1535]\$,&[9.8692]\$,&[11.638]\$,&[9.2216]\$,&[13.886]\$,&[9.3293]\$,&[10.223]\$,&[7.9654]\$  
&[7.0641]\$,&[7.5424]\$,&[7.4487]\$,&[7.2249]\$,&[7.1261]\$,&[7.3119]\$,&[7.1076]\$,&[7.8199]\$,&[7.208]\$,&[7.4406]\$  
&[11.119]\$,&[8.2098]\$,&[8.8033]\$,&[12.374]\$,&[10.949]\$,&[11.327]\$,&[5.9853]\$,&[8.9808]\$,&[11.852]\$,&[11.036]\$

CE18B104

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.011563

&[8.865]\$,&[9.7248]\$,&[7.2048]\$,&[8.3437]\$,&[7.162]\$,&[7.0126]\$,&[8.3322]\$,&[7.9466]\$,&[9.4768]\$,&[7.922]\$  
&[15.394]\$,&[9.8262]\$,&[11.795]\$,&[13.687]\$,&[13.764]\$,&[11.136]\$,&[11.407]\$,&[15.056]\$,&[14.597]\$,&[15.871]\$  
&[10.826]\$,&[9.3257]\$,&[10.594]\$,&[10.539]\$,&[10.504]\$,&[9.9816]\$,&[11.033]\$,&[10.662]\$,&[10.351]\$,&[10.118]\$  
&[11.844]\$,&[11.246]\$,&[15.66]\$,&[7.7103]\$,&[15.653]\$,&[18.77]\$,&[10.908]\$,&[6.1067]\$,&[10.81]\$,&[10.891]\$  
&[5.3828]\$,&[4.7027]\$,&[5.3163]\$,&[9.1293]\$,&[4.2683]\$,&[5.9605]\$,&[5.6189]\$,&[5.9381]\$,&[6.1185]\$,&[0.70944]\$  
&[7.9063]\$,&[6.2591]\$,&[8.5516]\$,&[7.094]\$,&[3.1654]\$,&[5.7196]\$,&[7.1309]\$,&[3.1584]\$,&[6.7417]\$,&[6.4946]\$  
&[12.958]\$,&[14.33]\$,&[10.88]\$,&[16.765]\$,&[14.508]\$,&[14.631]\$,&[12.252]\$,&[14.801]\$,&[13.428]\$,&[14.373]\$  
&[13.836]\$,&[13.999]\$,&[10.773]\$,&[10.948]\$,&[12.599]\$,&[6.7027]\$,&[8.9739]\$,&[11.258]\$,&[7.107]\$,&[13.506]\$  
&[2.2912]\$,&[2.8403]\$,&[1.1602]\$,&[4.3886]\$,&[2.3259]\$,&[1.296]\$,&[3.23]\$,&[3.4185]\$,&[0.34958]\$,&[2.3664]\$

BT2022\_qiii\_22\_alldata  
|[14.613]\$,|[20.508]\$,|[10.741]\$,|[14.938]\$,|[15.362]\$,|[10.722]\$,|[15.734]\$,|[10.877]\$,|[16.805]\$,|[12.067]\$

#### CE18B106

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.03001  
|[2.5547]\$,|[5.7461]\$,|[6.8149]\$,|[6.8962]\$,|[6.8748]\$,|[3.9443]\$,|[6.5727]\$,|[2.2019]\$,|[6.5745]\$,|[2.8378]\$  
|[11.247]\$,|[10.867]\$,|[11.911]\$,|[9.4686]\$,|[9.1222]\$,|[9.8157]\$,|[11.957]\$,|[9.28]\$,|[10.465]\$,|[10.992]\$  
|[12.116]\$,|[11.335]\$,|[14.024]\$,|[11.858]\$,|[8.4517]\$,|[9.1998]\$,|[9.356]\$,|[10.719]\$,|[8.5324]\$,|[7.5409]\$  
|[7.5544]\$,|[6.4512]\$,|[3.9886]\$,|[6.6345]\$,|[4.5119]\$,|[1.0661]\$,|[4.3233]\$,|[7.8774]\$,|[0.67959]\$,|[4.1794]\$  
|[6.2258]\$,|[1.3315]\$,|[6.1411]\$,|[6.4509]\$,|[2.4523]\$,|[3.4537]\$,|[4.0765]\$,|[8.783]\$,|[9.2679]\$,|[7.3126]\$  
|[11.1]\$,|[9.3234]\$,|[12.156]\$,|[11.149]\$,|[10.793]\$,|[13.925]\$,|[15.302]\$,|[8.5285]\$,|[14.75]\$,|[13.257]\$  
|[4.7472]\$,|[5.6803]\$,|[0.60779]\$,|[5.1776]\$,|[6.276]\$,|[5.0369]\$,|[1.4428]\$,|[4.3489]\$,|[5.4763]\$,|[3.7044]\$  
|[8.5752]\$,|[6.4016]\$,|[9.6816]\$,|[4.2934]\$,|[8.1483]\$,|[6.6046]\$,|[6.492]\$,|[7.7738]\$,|[6.4761]\$,|[7.1013]\$  
|[7.7318]\$,|[8.1926]\$,|[4.3603]\$,|[4.8512]\$,|[6.962]\$,|[4.4441]\$,|[6.315]\$,|[5.8836]\$,|[4.7445]\$,|[9.6261]\$  
|[9.1423]\$,|[12.714]\$,|[9.1896]\$,|[10.625]\$,|[10.71]\$,|[16.05]\$,|[4.6068]\$,|[12.146]\$,|[11.833]\$,|[13.733]\$

#### CE18B107

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.049879  
|[3.6434]\$,|[1.422]\$,|[6.7241]\$,|[3.7856]\$,|[7.6408]\$,|[6.1655]\$,|[6.0239]\$,|[4.8351]\$,|[1.5375]\$,|[4.3648]\$  
|[7.5524]\$,|[8.4373]\$,|[5.7575]\$,|[7.4695]\$,|[8.1725]\$,|[9.1982]\$,|[7.872]\$,|[8.2939]\$,|[6.6132]\$,|[8.5639]\$  
|[7.793]\$,|[5.1117]\$,|[3.7289]\$,|[1.6337]\$,|[5.8293]\$,|[3.5252]\$,|[3.2414]\$,|[1.5812]\$,|[1.5229]\$,|[6.9293]\$  
|[8.0932]\$,|[13.334]\$,|[8.2065]\$,|[7.824]\$,|[9.4458]\$,|[13.086]\$,|[5.3173]\$,|[1.9088]\$,|[2.347]\$,|[4.4778]\$  
|[13.491]\$,|[10.896]\$,|[8.7959]\$,|[10.977]\$,|[12.216]\$,|[9.6436]\$,|[10]\$,|[9.0661]\$  
,\$\$,|[10.613]\$,|[9.2664]\$  
|[2.8229]\$,|[2.4473]\$,|[1.167]\$,|[0.49845]\$,|[5.6594]\$,|[3.4306]\$,|[1.8206]\$,|[1.2962]\$,|[ -0.86967]\$,|[7.1336]\$  
|[5.9413]\$,|[10.002]\$,|[8.9877]\$,|[9.1958]\$,|[9.1894]\$,|[9.2939]\$,|[6.4865]\$,|[7.4358]\$,|[4.9614]\$,|[7.6072]\$  
|[5.4426]\$,|[1.9377]\$,|[3.3662]\$,|[6.7084]\$,|[5.2249]\$,|[8.1067]\$,|[3.7626]\$,|[3.0612]\$,|[4.753]\$,|[3.3522]\$

BT2022\_qiii\_22\_alldata  
|[5.4676]\$,|[2.985]\$,|[4.3013]\$,|[5.7161]\$,|[4.4968]\$,|[3.5177]\$,|[2.9826]\$,|[4.4412]\$,|[4.4933]\$,|[7.8992]\$\n|[13.079]\$,|[18.068]\$,|[14.118]\$,|[11.229]\$,|[15.397]\$,|[11.725]\$,|[9.8086]\$,|[14.198]\$,|[9.0519]\$,|[12.829]\$

#### CE18B109

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0048543

&[7.6164]\$,&[7.6781]\$,&[7.8364]\$,&[7.7295]\$,&[7.6922]\$,&[7.6793]\$,&[7.5602]\$,&[7.9987]\$,&[7.591]\$,&[7.4884]\$\n&[6.6621]\$,&[4.7857]\$,&[4.367]\$,&[5.5292]\$,&[7.8462]\$,&[5.9849]\$,&[9.2821]\$,&[6.907]\$,&[5.9195]\$,&[6.8113]\$\n&[10.6]\$,&[9.8828]\$,&[9.711]\$,&[13.715]\$,&[10.523]\$,&[14.559]\$,&[13.301]\$,&[10.158]\$,&[13.425]\$,&[9.5788]\$\n&[2.7846]\$,&[2.7673]\$,&[3.3999]\$,&[5.3495]\$,&[11.974]\$,&[4.8057]\$,&[5.5084]\$,&[1.6045]\$,&[4.7134]\$,&[3.6992]\$\n&[5.4446]\$,&[6.3976]\$,&[6.8734]\$,&[5.0695]\$,&[6.9782]\$,&[6.7808]\$,&[7.0786]\$,&[6.9291]\$,&[7.5955]\$,&[4.3095]\$\n&[0.33045]\$,&[8.5872]\$,&[1.7118]\$,&[3.6748]\$,&[1.3696]\$,&[5.3211]\$,&[2.9625]\$,&[2.2708]\$,&[6.1685]\$,&[4.5864]\$\n&[5.9224]\$,&[7.9824]\$,&[8.4851]\$,&[13.893]\$,&[10.881]\$,&[10.7]\$,&[15.425]\$,&[7.8462]\$,&[9.7486]\$,&[3.4165]\$\n&[3.2067]\$,&[5.9625]\$,&[8.6725]\$,&[7.8169]\$,&[1.1908]\$,&[3.7908]\$,&[4.8665]\$,&[11.042]\$,&[6.0719]\$,&[-0.22894]\$\n&[3.6382]\$,&[7.7236]\$,&[5.1928]\$,&[4.3492]\$,&[0.13873]\$,&[3.1188]\$,&[3.8504]\$,&[3.4607]\$,&[1.5426]\$,&[3.3592]\$\n&[5.7975]\$,&[6.8008]\$,&[7.5664]\$,&[2.2984]\$,&[7.422]\$,&[2.9861]\$,&[4.6295]\$,&[1.7036]\$,&[7.4619]\$,&[9.0406]

#### CE18B111

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.020254

&[8.4432]\$,&[8.7855]\$,&[8.3442]\$,&[9.3252]\$,&[10.889]\$,&[8.6989]\$,&[9.9272]\$,&[8.5737]\$,&[7.2396]\$,&[8.8125]\$\n&[6.2442]\$,&[5.8039]\$,&[6.1162]\$,&[6.721]\$,&[7.7036]\$,&[8.1776]\$,&[4.5912]\$,&[7.6678]\$,&[6.2069]\$,&[7.6502]\$\n&[10.183]\$,&[13.794]\$,&[9.7867]\$,&[14.278]\$,&[11.831]\$,&[13.625]\$,&[11.328]\$,&[12.959]\$,&[7.5796]\$,&[8.9909]\$\n&[11.912]\$,&[11.644]\$,&[9.1628]\$,&[7.3731]\$,&[10.078]\$,&[14.212]\$,&[13.149]\$,&[16.136]\$,&[20.856]\$,&[10.73]\$\n&[3.3496]\$,&[1.8645]\$,&[1.2369]\$,&[2.488]\$,&[2.2178]\$,&[3.6078]\$,&[3.4525]\$,&[1.6707]\$,&[2.2934]\$,&[2.354]\$\n&[13.199]\$,&[14.739]\$,&[14.377]\$,&[14.213]\$,&[16.548]\$,&[14.347]\$,&[13.518]\$,&[17.617]\$,&[12.758]\$,&[13.918]\$\n&[10.564]\$,&[9.4923]\$,&[9.7541]\$,&[6.8449]\$,&[9.172]\$,&[11.034]\$,&[7.1291]\$,&[8.3773]\$,&[8.9456]\$,&[8.5309]

BT2022\_qiii\_22\_alldata  
|[7.1019]\$,|[5.8445]\$,|[4.1611]\$,|[1.2304]\$,|[1.4299]\$,|[4.3874]\$,|[7.1491]\$,|[0.31347]\$,|[4.8148]\$,|[4.0594]\$\n|[3.7498]\$,|[4.6906]\$,|[4.4169]\$,|[1.1484]\$,|[3.8117]\$,|[3.9287]\$,|[4.9043]\$,|[6.1861]\$,|[6.4985]\$,|[5.2003]\$\n|[12.817]\$,|[12.982]\$,|[13.646]\$,|[13.404]\$,|[12.596]\$,|[13.251]\$,|[13.6]\$,|[12.533]\$,|[13.801]\$,|[13.252]\$\n

#### CE18B114

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.029935

|[11.618]\$,|[11.153]\$,|[9.0474]\$,|[9.4602]\$,|[8.9456]\$,|[12.307]\$,|[9.4319]\$,|[9.1219]\$,|[10.92]\$,|[11.167]\$\n|[3.8052]\$,|[7.1409]\$,|[2.6458]\$,|[3.5525]\$,|[2.0272]\$,|[5.9176]\$,|[3.7805]\$,|[4.9104]\$,|[4.7841]\$,|[6.3224]\$\n|[8.1589]\$,|[5.212]\$,|[13.127]\$,|[11.596]\$,|[8.0189]\$,|[12.678]\$,|[6.8462]\$,|[6.1768]\$,|[8.2068]\$,|[8.4699]\$\n|[7.0168]\$,|[6.0908]\$,|[3.2191]\$,|[3.2667]\$,|[0.12794]\$,|[5.4402]\$,|[1.0002]\$,|[2.6306]\$,|[4.2287]\$,|[5.3128]\$\n|[12.277]\$,|[15.797]\$,|[13.819]\$,|[18.6]\$,|[12.512]\$,|[10.442]\$,|[13.693]\$,|[13.649]\$,|[14.823]\$,|[20.669]\$\n|[12.807]\$,|[7.3706]\$,|[12.146]\$,|[5.8728]\$,|[8.338]\$,|[12.527]\$,|[6.7586]\$,|[3.7902]\$,|[7.3905]\$,|[8.0595]\$\n|[7.2468]\$,|[8.7937]\$,|[4.2355]\$,|[9.6353]\$,|[6.1049]\$,|[8.8602]\$,|[7.2676]\$,|[14.736]\$,|[5.3589]\$,|[9.3019]\$\n|[5.9447]\$,|[9.7811]\$,|[9.4339]\$,|[9.4137]\$,|[12.055]\$,|[10.599]\$,|[6.745]\$,|[7.5094]\$,|[9.3931]\$,|[9.6414]\$\n|[12.603]\$,|[16.134]\$,|[11.592]\$,|[12.2]\$,|[13.522]\$,|[11.448]\$,|[12.427]\$,|[12.911]\$,|[12.399]\$,|[16.617]\$\n|[4.0687]\$,|[8.4484]\$,|[6.914]\$,|[8.4563]\$,|[4.34]\$,|[4.1053]\$,|[5.5712]\$,|[5.0661]\$,|[7.3137]\$,|[4.5238]\$\n

#### CE18B115

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0060823

|[5.1101]\$,|[4.2491]\$,|[7.7252]\$,|[5.819]\$,|[5.1719]\$,|[-2.4685]\$,|[14.168]\$,|[10.993]\$,|[8.2645]\$,|[14.664]\$\n|[3.5347]\$,|[12.383]\$,|[7.2391]\$,|[5.7705]\$,|[4.1516]\$,|[7.9722]\$,|[10.61]\$,|[9.5813]\$,|[3.5624]\$,|[13.127]\$\n|[3.609]\$,|[12.667]\$,|[4.6627]\$,|[7.0675]\$,|[3.9805]\$,|[3.6068]\$,|[12.901]\$,|[6.4357]\$,|[8.183]\$,|[17.477]\$\n|[3.6272]\$,|[13.65]\$,|[9.8904]\$,|[6.7101]\$,|[6.6005]\$,|[1.5012]\$,|[15.755]\$,|[7.1563]\$,|[8.4014]\$,|[14.202]\$\n|[4.7836]\$,|[11.246]\$,|[6.3902]\$,|[5.4685]\$,|[4.4102]\$,|[2.3793]\$,|[13.057]\$,|[3.0335]\$,|[6.5083]\$,|[14.149]\$\n|[2.9233]\$,|[8.5739]\$,|[6.3011]\$,|[6.8184]\$,|[6.1892]\$,|[2.6082]\$,|[9.9472]\$,|[2.4011]\$,|[1.1154]\$,|[14.433]\$\n

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&[4.0047]\$,&[8.7145]\$,&[5.9696]\$,&[5.9348]\$,&[4.4034]\$,&[5.5027]\$,&[11.387]\$,&[6.00  
72]\$,&[5.0599]\$,&[16.72]\$  
&[4.8616]\$,&[10.178]\$,&[8.9962]\$,&[4.7678]\$,&[12.831]\$,&[3.4377]\$,&[17.718]\$,&[8.78  
95]\$,&[3.3479]\$,&[14.493]\$  
&[1.6931]\$,&[12.181]\$,&[7.8758]\$,&[8.176]\$,&[3.6243]\$,&[1.187]\$,&[14.763]\$,&[4.1426  
]\$,&[3.0552]\$,&[15.629]\$  
&[4.0542]\$,&[6.6227]\$,&[9.2668]\$,&[6.847]\$,&[6.5906]\$,&[6.0801]\$,&[13.451]\$,&[7.778  
4]\$,&[6.0172]\$,&[12.323]\$

#### CE18B116

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.032803

&[8.5555]\$,&[11.832]\$,&[11.404]\$,&[10.696]\$,&[13.905]\$,&[11.283]\$,&[11.711]\$,&[6.33  
87]\$,&[14.014]\$,&[12.529]\$  
&[10.766]\$,&[11.555]\$,&[14.248]\$,&[15.223]\$,&[13.315]\$,&[12.927]\$,&[14.22]\$,&[16.48  
1]\$,&[14.643]\$,&[14.453]\$  
&[6.5083]\$,&[6.2783]\$,&[6.0448]\$,&[3.8777]\$,&[5.4199]\$,&[5.2492]\$,&[5.8783]\$,&[4.77  
88]\$,&[6.0457]\$,&[5.3563]\$  
&[1.4105]\$,&[4.3547]\$,&[1.3368]\$,&[0.58607]\$,&[5.2467]\$,&[4.9663]\$,&[4.1128]\$,&[-0.  
97626]\$,&[1.3105]\$,&[2.4051]\$  
&[4.4717]\$,&[2.5441]\$,&[8.256]\$,&[6.9557]\$,&[11.042]\$,&[5.509]\$,&[9.8161]\$,&[7.1753  
]\$,&[3.6545]\$,&[9.973]\$  
&[12.213]\$,&[13.339]\$,&[14.442]\$,&[9.0769]\$,&[14.466]\$,&[14.953]\$,&[12.776]\$,&[11.8  
3]\$,&[14.85]\$,&[9.9898]\$  
&[15.301]\$,&[14.032]\$,&[11.826]\$,&[9.234]\$,&[11.398]\$,&[7.4465]\$,&[13.275]\$,&[10.00  
2]\$,&[11.837]\$,&[14.09]\$  
&[13.936]\$,&[14.209]\$,&[13.486]\$,&[12.682]\$,&[15.328]\$,&[8.2675]\$,&[12.363]\$,&[13.8  
91]\$,&[15.303]\$,&[13.341]\$  
&[8.9935]\$,&[6.3943]\$,&[9.0404]\$,&[6.9319]\$,&[10.75]\$,&[8.3659]\$,&[6.4721]\$,&[5.379  
8]\$,&[8.5083]\$,&[11.054]\$  
&[9.9159]\$,&[9.7939]\$,&[10.96]\$,&[10.367]\$,&[10.606]\$,&[7.5504]\$,&[9.655]\$,&[11.772  
]\$,&[8.7245]\$,&[9.7191]\$

#### CE18B120

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.020972

&[9.4011]\$,&[5.3409]\$,&[11.117]\$,&[12.631]\$,&[10.713]\$,&[9.6848]\$,&[5.579]\$,&[15.75  
2]\$,&[9.2307]\$,&[8.4359]\$  
&[4.7589]\$,&[8.2834]\$,&[17.093]\$,&[12.747]\$,&[8.326]\$,&[5.0593]\$,&[5.2878]\$,&[15.15  
9]\$,&[5.3558]\$,&[9.6661]\$  
&[8.4549]\$,&[11.569]\$,&[11.735]\$,&[13.731]\$,&[6.3968]\$,&[9.1824]\$,&[4.0681]\$,&[10.9  
12]\$,&[2.946]\$,&[13.206]\$  
&[7.244]\$,&[9.984]\$,&[13.015]\$,&[11.347]\$,&[8.5953]\$,&[5.4467]\$,&[6.9184]\$,&[12.455  
]\$,&[9.3957]\$,&[8.7441]\$  
&[8.8576]\$,&[8.9171]\$,&[17.96]\$,&[14.784]\$,&[7.1286]\$,&[8.1773]\$,&[5.064]\$,&[8.9935  
]\$,&[2.7221]\$,&[8.5092]\$

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&[7.233]\$,&[7.0765]\$,&[16.135]\$,&[11.261]\$,&[4.8393]\$,&[7.4023]\$,&[6.846]\$,&[15.564]  
]\$,&[5.7584]\$,&[10.355]\$  
&[8.8687]\$,&[12.285]\$,&[12.475]\$,&[13.464]\$,&[9.2728]\$,&[9.336]\$,&[6.6389]\$,&[14.45  
2]\$,&[6.4479]\$,&[14.881]\$  
&[6.8185]\$,&[9.4122]\$,&[13.985]\$,&[12.239]\$,&[11.1]\$,&[5.0793]\$,&[4.7732]\$,&[12.78]  
]\$,&[8.3645]\$,&[15.889]\$  
&[4.368]\$,&[8.4818]\$,&[15.34]\$,&[13.007]\$,&[8.5591]\$,&[7.5303]\$,&[4.4133]\$,&[11.47]  
]\$,&[1.5127]\$,&[11.507]\$  
&[6.6829]\$,&[9.4709]\$,&[16.242]\$,&[14.91]\$,&[1.8833]\$,&[4.7179]\$,&[7.1328]\$,&[10.87]  
]\$,&[7.5062]\$,&[16.445]\$

CE18B121

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.014089

&[4.2174]\$,&[12.907]\$,&[6.8294]\$,&[8.8532]\$,&[4.4199]\$,&[1.7218]\$,&[11.828]\$,&[11.5  
97]\$,&[3.4386]\$,&[12.883]\$  
&[2.9553]\$,&[6.1716]\$,&[1.0256]\$,&[5.8007]\$,&[0.74676]\$,&[6.6515]\$,&[10.4]\$,&[7.597  
4]\$,&[4.7431]\$,&[15.57]\$  
&[5.8555]\$,&[8.214]\$,&[8.7913]\$,&[5.544]\$,&[0.02982]\$,&[4.7169]\$,&[11.995]\$,&[6.566  
9]\$,&[7.1306]\$,&[16.623]\$  
&[3.0993]\$,&[7.7937]\$,&[7.8599]\$,&[8.5842]\$,&[7.9042]\$,&[3.543]\$,&[14.47]\$,&[6.7124]  
]\$,&[4.1339]\$,&[13.338]\$  
&[6.3558]\$,&[8.76]\$,&[6.4268]\$,&[10.111]\$,&[1.231]\$,&[2.1917]\$,&[13.691]\$,&[6.6417]  
]\$,&[3.2639]\$,&[14.919]\$  
&[6.5847]\$,&[6.8322]\$,&[8.1903]\$,&[6.7839]\$,&[5.7845]\$,&[2.7702]\$,&[8.8098]\$,&[9.08  
22]\$,&[2.7707]\$,&[20.786]\$  
&[3.4499]\$,&[5.9298]\$,&[7.081]\$,&[7.1946]\$,&[4.0143]\$,&[5.7011]\$,&[9.7045]\$,&[8.487  
8]\$,&[3.3016]\$,&[14.544]\$  
&[2.5346]\$,&[9.8015]\$,&[4.8785]\$,&[3.6195]\$,&[-2.9078]\$,&[7.6994]\$,&[12.056]\$,&[6.8  
62]\$,&[8.014]\$,&[15.261]\$  
&[4.2497]\$,&[4.5646]\$,&[5.5514]\$,&[6.7989]\$,&[8.3112]\$,&[6.4875]\$,&[9.9405]\$,&[12.2  
61]\$,&[6.8354]\$,&[14.283]\$  
&[2.9483]\$,&[1.4208]\$,&[5.7649]\$,&[6.7938]\$,&[1.4399]\$,&[5.2717]\$,&[9.0945]\$,&[11.3  
05]\$,&[6.1534]\$,&[15.249]\$

CE18B122

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0069781

&[11.466]\$,&[2.4355]\$,&[7.7357]\$,&[8.5302]\$,&[12.353]\$,&[4.2585]\$,&[2.9607]\$,&[1.45  
64]\$,&[3.9911]\$,&[4.5382]\$  
&[10.027]\$,&[2.3435]\$,&[1.0417]\$,&[10.586]\$,&[13.958]\$,&[12.493]\$,&[3.7486]\$,&[4.00  
77]\$,&[2.9221]\$,&[4.6926]\$  
&[10.829]\$,&[3.1619]\$,&[6.4611]\$,&[9.9496]\$,&[7.5545]\$,&[4.2654]\$,&[2.9982]\$,&[3.16  
67]\$,&[5.2451]\$,&[1.8602]\$  
&[13.192]\$,&[4.962]\$,&[3.1589]\$,&[8.056]\$,&[12.057]\$,&[10.013]\$,&[2.9759]\$,&[5.0137]  
]\$,&[8.0136]\$,&[6.3512]\$

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&[13.146]\$,&[2.4053]\$,&[7.0177]\$,&[8.6071]\$,&[13.797]\$,&[5.8063]\$,&[2.3821]\$,&[3.97  
07]\$,&[3.4363]\$,&[4.0042]\$  
&[12.646]\$,&[1.8799]\$,&[1.2302]\$,&[10.652]\$,&[12.92]\$,&[9.652]\$,&[1.8677]\$,&[6.5112  
]\$,&[5.1035]\$,&[5.5049]\$  
&[8.06]\$,&[1.4896]\$,&[3.948]\$,&[8.8581]\$,&[10.493]\$,&[7.386]\$,&[2.642]\$,&[0.67032]\$  
,&[1.452]\$,&[5.7344]\$  
&[10.321]\$,&[2.1787]\$,&[2.115]\$,&[9.1447]\$,&[9.7067]\$,&[13.392]\$,&[2.2557]\$,&[5.541  
6]\$,&[3.3262]\$,&[5.9332]\$  
&[8.5012]\$,&[3.2319]\$,&[1.7295]\$,&[5.6717]\$,&[10.201]\$,&[12.141]\$,&[2.905]\$,&[3.855  
8]\$,&[2.3967]\$,&[7.8258]\$  
&[12.174]\$,&[1.797]\$,&[2.8986]\$,&[14.209]\$,&[11.667]\$,&[-0.46661]\$,&[3.412]\$,&[2.88  
92]\$,&[-3.5545]\$,&[2.6751]\$

#### CE18B125

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.029997

&[2.909]\$,&[8.5938]\$,&[6.0035]\$,&[8.2087]\$,&[9.7399]\$,&[6.4514]\$,&[5.9272]\$,&[11.01  
9]\$,&[7.118]\$,&[4.0038]\$  
&[16.002]\$,&[12.066]\$,&[12.562]\$,&[10.233]\$,&[14.907]\$,&[11.54]\$,&[12.776]\$,&[12.52  
8]\$,&[13.693]\$,&[13.892]\$  
&[13.358]\$,&[11.931]\$,&[10.287]\$,&[9.7482]\$,&[11.859]\$,&[8.644]\$,&[10.221]\$,&[13.14  
2]\$,&[9.9256]\$,&[10.551]\$  
&[6.068]\$,&[9.8524]\$,&[9.2755]\$,&[5.2013]\$,&[12.379]\$,&[9.5869]\$,&[7.9341]\$,&[8.798  
1]\$,&[5.992]\$,&[8.3683]\$  
&[7.4302]\$,&[7.0998]\$,&[5.8272]\$,&[6.8394]\$,&[10.225]\$,&[9.3469]\$,&[8.5365]\$,&[7.81  
25]\$,&[7.2421]\$,&[9.1387]\$  
&[6.4997]\$,&[7.4661]\$,&[8.8703]\$,&[5.5168]\$,&[10.42]\$,&[11.942]\$,&[7.3435]\$,&[7.562  
]\$,&[10.151]\$,&[5.1897]\$  
&[11.111]\$,&[8.4682]\$,&[14.842]\$,&[10.334]\$,&[11.317]\$,&[10.6]\$,&[8.9495]\$,&[16.613  
]\$,&[9.8091]\$,&[10.424]\$  
&[14.513]\$,&[13.405]\$,&[13.64]\$,&[12.435]\$,&[14.034]\$,&[14.113]\$,&[13.678]\$,&[12.72  
4]\$,&[14.858]\$,&[11.801]\$  
&[6.7548]\$,&[9.8144]\$,&[4.7217]\$,&[3.6477]\$,&[3.3966]\$,&[5.3598]\$,&[4.5089]\$,&[11.8  
34]\$,&[6.2143]\$,&[5.9624]\$  
&[12.028]\$,&[12.265]\$,&[11.4]\$,&[12.641]\$,&[11.705]\$,&[11.697]\$,&[14.124]\$,&[9.4525  
]\$,&[12.385]\$,&[13.463]\$

#### CE18B129

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.024527

&[6.425]\$,&[7.2712]\$,&[6.8442]\$,&[6.2717]\$,&[6.7581]\$,&[7.6985]\$,&[6.5362]\$,&[6.231  
]\$,&[7.9939]\$,&[7.4907]\$  
&[4.7375]\$,&[4.9702]\$,&[4.9105]\$,&[5.1685]\$,&[5.426]\$,&[5.3225]\$,&[5.1004]\$,&[5.117  
3]\$,&[5.5089]\$,&[5.0433]\$  
&[10.778]\$,&[0.24068]\$,&[6.8761]\$,&[-0.69228]\$,&[5.7599]\$,&[1.3016]\$,&[3.4481]\$,&[3  
.8143]\$,&[7.2513]\$,&[5.958]\$

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&[13.644]\$,&[14.946]\$,&[14.563]\$,&[14.584]\$,&[14.475]\$,&[13.023]\$,&[13.31]\$,&[15.34  
6]\$,&[13.455]\$,&[14.665]\$  
&[5.8595]\$,&[10.401]\$,&[2.0933]\$,&[4.7207]\$,&[6.1502]\$,&[7.4034]\$,&[-0.89676]\$,&[13  
.578]\$,&[1.7846]\$,&[4.5569]\$  
&[8.2316]\$,&[7.7833]\$,&[4.8493]\$,&[6.538]\$,&[3.8755]\$,&[7.8468]\$,&[6.9491]\$,&[3.085  
3]\$,&[11.353]\$,&[9.6161]\$  
&[13.059]\$,&[12.528]\$,&[14.128]\$,&[13.54]\$,&[8.8673]\$,&[9.6268]\$,&[9.9181]\$,&[11.66  
6]\$,&[12.175]\$,&[11.167]\$  
&[12.874]\$,&[10.894]\$,&[12.782]\$,&[8.674]\$,&[10.08]\$,&[9.719]\$,&[8.8261]\$,&[10.671]  
\$,&[12.143]\$,&[14.877]\$  
&[6.0454]\$,&[3.6924]\$,&[2.2445]\$,&[6.5465]\$,&[5.2938]\$,&[1.5079]\$,&[6.0094]\$,&[6.19  
01]\$,&[5.7847]\$,&[8.5833]\$  
&[6.1417]\$,&[6.0436]\$,&[5.8504]\$,&[9.0264]\$,&[6.6565]\$,&[3.2695]\$,&[6.5857]\$,&[9.63  
44]\$,&[12.388]\$,&[8.4013]\$

#### CE18B130

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0096724

&[-2.1715]\$,&[3.7331]\$,&[4.532]\$,&[4.2925]\$,&[2.7704]\$,&[5.1122]\$,&[5.8662]\$,&[1.07  
39]\$,&[4.647]\$,&[0.97808]\$  
&[7.982]\$,&[4.8872]\$,&[2.508]\$,&[7.8666]\$,&[2.8428]\$,&[9.0248]\$,&[4.8587]\$,&[4.5211  
]\$,&[2.3876]\$,&[3.9224]\$  
&[4.0928]\$,&[3.069]\$,&[1.5017]\$,&[4.1545]\$,&[3.672]\$,&[3.294]\$,&[3.3937]\$,&[3.1546]  
\$,&[5.9266]\$,&[4.8008]\$  
&[3.7144]\$,&[3.8036]\$,&[2.2273]\$,&[2.3262]\$,&[2.1121]\$,&[1.4235]\$,&[1.7483]\$,&[3.31  
27]\$,&[2.6389]\$,&[1.8103]\$  
&[2.1276]\$,&[3.6153]\$,&[6.0544]\$,&[3.0598]\$,&[4.102]\$,&[6.3606]\$,&[3.6693]\$,&[1.645  
7]\$,&[1.9044]\$,&[1.9329]\$  
&[5.9678]\$,&[2.6941]\$,&[0.72713]\$,&[3.2394]\$,&[3.6577]\$,&[4.5992]\$,&[9.7117]\$,&[11.  
782]\$,&[6.9588]\$,&[4.5841]\$  
&[16.131]\$,&[13.7]\$,&[12.605]\$,&[10.427]\$,&[16.419]\$,&[15.854]\$,&[20.889]\$,&[11]\$,&  
[11.428]\$,&[12.605]\$  
&[3.223]\$,&[1.4129]\$,&[2.2979]\$,&[-2.2297]\$,&[2.8258]\$,&[1.6579]\$,&[5.7279]\$,&[3.12  
73]\$,&[0.82211]\$,&[5.5714]\$  
&[5.9975]\$,&[7.9171]\$,&[6.9305]\$,&[6.5925]\$,&[7.0226]\$,&[7.5221]\$,&[6.3324]\$,&[5.45  
69]\$,&[8.1993]\$,&[7.5807]\$  
&[8.8583]\$,&[8.6842]\$,&[10.854]\$,&[8.6771]\$,&[8.7592]\$,&[9.5357]\$,&[7.7892]\$,&[7.71  
48]\$,&[9.7331]\$,&[7.9285]\$

#### CE18B132

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.044057

&[13.991]\$,&[2.8056]\$,&[6.9007]\$,&[16.783]\$,&[8.086]\$,&[6.468]\$,&[2.8716]\$,&[17.372  
]\$,&[5.2561]\$,&[7.6806]\$  
&[16.309]\$,&[8.4554]\$,&[5.9791]\$,&[10.441]\$,&[10.374]\$,&[11.578]\$,&[2.9199]\$,&[18.0  
88]\$,&[7.8866]\$,&[6.5892]\$

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&[11.134]$,&[4.6229]$,&[6.9789]$,&[10.346]$,&[10.77]$,&[6.1556]$,&[2.5352]$,&[11.67
9]$,&[7.264]$,&[7.3297]$
&[11.668]$,&[3.6566]$,&[7.6902]$,&[11.956]$,&[8.5121]$,&[8.3178]$,&[3.6146]$,&[10.7
91]$,&[6.8419]$,&[9.9115]$
&[11.203]$,&[8.7735]$,&[6.1335]$,&[10.464]$,&[7.0744]$,&[5.2239]$,&[2.8981]$,&[16.9
79]$,&[8.8978]$,&[9.7102]$
&[15.197]$,&[6.7432]$,&[6.3466]$,&[15.841]$,&[15.889]$,&[2.3504]$,&[2.7089]$,&[10.5
93]$,&[6.5631]$,&[9.2274]$
&[16.893]$,&[4.9867]$,&[5.2713]$,&[11.047]$,&[7.4683]$,&[5.3811]$,&[3.2914]$,&[12.7
92]$,&[4.1506]$,&[6.2307]$
&[10.207]$,&[4.8249]$,&[6.215]$,&[13.303]$,&[11.255]$,&[6.8421]$,&[2.8247]$,&[16.76
6]$,&[6.725]$,&[14.753]$
&[14.361]$,&[2.8732]$,&[7.4271]$,&[13.109]$,&[13.074]$,&[3.3089]$,&[2.5811]$,&[12.9
4]$,&[3.7587]$,&[6.8797]$
&[12.362]$,&[8.0169]$,&[6.388]$,&[14.594]$,&[11.268]$,&[6.1014]$,&[2.8679]$,&[11.70
4]$,&[4.055]$,&[5.4028]$

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#### CE18B133

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

```

alpha = 0.019816
&[8.7071]$,&[3.4328]$,&[9.1967]$,&[6.0163]$,&[14.234]$,&[9.7051]$,&[8.8432]$,&[12.7
17]$,&[2.1458]$,&[2.8814]$
&[8.8708]$,&[5.4021]$,&[13.444]$,&[6.2752]$,&[12.985]$,&[9.4173]$,&[10.791]$,&[8.46
25]$,&[3.875]$,&[6.6711]$
&[6.2007]$,&[8.8757]$,&[10.669]$,&[5.3613]$,&[12.101]$,&[5.3608]$,&[10.033]$,&[10.9
8]$,&[3.5203]$,&[3.9911]$
&[4.1879]$,&[6.3168]$,&[10.491]$,&[4.747]$,&[14.211]$,&[8.6964]$,&[10.32]$,&[7.5029
]$,&[2.1435]$,&[3.5951]$
&[7.4258]$,&[7.8604]$,&[9.0473]$,&[4.8635]$,&[13.151]$,&[9.8332]$,&[10.901]$,&[10.2
97]$,&[2.5649]$,&[3.613]$
&[11.58]$,&[7.0622]$,&[9.0049]$,&[7.3446]$,&[13.712]$,&[8.5524]$,&[11.349]$,&[9.738
5]$,&[2.2774]$,&[2.5103]$
&[9.2527]$,&[6.0633]$,&[11.717]$,&[8.5571]$,&[13.715]$,&[11.939]$,&[10.104]$,&[11.7
6]$,&[1.6471]$,&[3.5741]$
&[12.023]$,&[4.335]$,&[6.7884]$,&[5.8442]$,&[13.387]$,&[10.48]$,&[10.465]$,&[9.7889
]$,&[1.3087]$,&[5.5878]$
&[11.062]$,&[5.8848]$,&[12.746]$,&[6.6246]$,&[13.836]$,&[12.249]$,&[9.9309]$,&[10.6
7]$,&[1.4452]$,&[2.5808]$
&[5.3117]$,&[5.2578]$,&[9.5484]$,&[5.2873]$,&[13.657]$,&[14.756]$,&[11.3]$,&[4.8702
]$,&[2.5619]$,&[4.7442]$

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#### CH16B102

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

```

alpha = 0.0024657
&[12.848]$,&[10.626]$,&[9.8666]$,&[11.465]$,&[12.857]$,&[14.574]$,&[6.8761]$,&[5.01
77]$,&[6.4426]$,&[5.9551]$

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&[13.463]\$,&[8.5602]\$,&[14.529]\$,&[12.302]\$,&[13.465]\$,&[12.174]\$,&[7.0535]\$,&[4.71  
33]\$,&[6.3189]\$,&[10.113]\$  
&[11.01]\$,&[10.142]\$,&[15.821]\$,&[11.195]\$,&[11.74]\$,&[12.251]\$,&[7.7726]\$,&[4.8429  
]\$,&[5.1542]\$,&[5.9531]\$  
&[9.0718]\$,&[6.596]\$,&[12.332]\$,&[12.918]\$,&[14.583]\$,&[7.6141]\$,&[6.4735]\$,&[5.500  
4]\$,&[9.3269]\$,&[12.671]\$  
&[12.691]\$,&[13.246]\$,&[13.061]\$,&[11.91]\$,&[11.615]\$,&[8.6121]\$,&[6.7346]\$,&[4.832  
2]\$,&[7.3244]\$,&[6.4964]\$  
&[12.829]\$,&[14.33]\$,&[13.3]\$,&[11.844]\$,&[11.407]\$,&[6.6712]\$,&[6.4287]\$,&[4.0141]  
\$,&[5.4026]\$,&[12.317]\$  
&[11.813]\$,&[10.013]\$,&[12.097]\$,&[12.78]\$,&[11.843]\$,&[13.746]\$,&[7.1764]\$,&[5.133  
7]\$,&[10.734]\$,&[6.8695]\$  
&[12.721]\$,&[11.364]\$,&[14.545]\$,&[13.108]\$,&[12.372]\$,&[7.0226]\$,&[7.2353]\$,&[5.33  
12]\$,&[7.7264]\$,&[4.464]\$  
&[10.75]\$,&[13.456]\$,&[12.693]\$,&[11.338]\$,&[13.914]\$,&[8.2242]\$,&[6.9454]\$,&[5.414  
1]\$,&[5.8613]\$,&[7.7366]\$  
&[11.029]\$,&[18.065]\$,&[11.42]\$,&[13.595]\$,&[12.947]\$,&[10.405]\$,&[5.7827]\$,&[5.450  
3]\$,&[7.7271]\$,&[13.95]\$

#### CH17B078

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.014456

&[17.35]\$,&[5.9773]\$,&[10.586]\$,&[8.7973]\$,&[4.2658]\$,&[7.4966]\$,&[14.245]\$,&[7.812  
9]\$,&[14.164]\$,&[13.616]\$  
&[10.796]\$,&[4.5197]\$,&[7.6291]\$,&[9.5128]\$,&[3.4439]\$,&[8.2776]\$,&[12.469]\$,&[9.04  
82]\$,&[14.889]\$,&[14.486]\$  
&[11.956]\$,&[6.9675]\$,&[9.6288]\$,&[9.5589]\$,&[9.111]\$,&[7.7088]\$,&[10.703]\$,&[7.542  
4]\$,&[12.324]\$,&[12.216]\$  
&[10.704]\$,&[6.459]\$,&[12.373]\$,&[8.869]\$,&[6.1248]\$,&[9.3921]\$,&[16.59]\$,&[10.721]  
\$,&[11.162]\$,&[13.955]\$  
&[11.146]\$,&[4.1982]\$,&[7.8329]\$,&[9.494]\$,&[6.6702]\$,&[14.182]\$,&[18.431]\$,&[12.27  
1]\$,&[11.856]\$,&[16.162]\$  
&[11.277]\$,&[3.9183]\$,&[6.4492]\$,&[10.304]\$,&[5.761]\$,&[9.5856]\$,&[13.98]\$,&[9.5573  
]\$,&[14.117]\$,&[15.792]\$  
&[10.808]\$,&[8.9603]\$,&[5.7276]\$,&[8.9622]\$,&[6.4596]\$,&[6.4735]\$,&[14.645]\$,&[11.2  
21]\$,&[12.865]\$,&[15.869]\$  
&[12.778]\$,&[1.8155]\$,&[6.2951]\$,&[8.9919]\$,&[5.481]\$,&[9.3548]\$,&[16.51]\$,&[9.6857  
]\$,&[12.598]\$,&[20.086]\$  
&[8.1209]\$,&[1.063]\$,&[9.7842]\$,&[9.0906]\$,&[1.3332]\$,&[10.354]\$,&[13.16]\$,&[10.254  
]\$,&[14.968]\$,&[12.4]\$  
&[9.7937]\$,&[6.0098]\$,&[8.2021]\$,&[10.372]\$,&[6.8604]\$,&[7.3038]\$,&[10.788]\$,&[12.5  
74]\$,&[13.727]\$,&[7.9502]\$

#### CH17B102

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.020579

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&[13.935]\$,&[9.0452]\$,&[7.6351]\$,&[4.0306]\$,&[1.8476]\$,&[9.128]\$,&[12.777]\$,&[12.22  
1]\$,&[13.871]\$,&[14.139]\$  
&[6.5911]\$,&[8.0985]\$,&[13.714]\$,&[5.36]\$,&[5.2361]\$,&[5.7569]\$,&[12.714]\$,&[9.9503  
]\$,&[13.51]\$,&[16.402]\$  
&[0.69837]\$,&[12.619]\$,&[10.259]\$,&[1.0705]\$,&[2.2976]\$,&[3.1878]\$,&[6.6765]\$,&[6.1  
901]\$,&[13.057]\$,&[13.789]\$  
&[7.9592]\$,&[8.9955]\$,&[15.079]\$,&[8.2052]\$,&[7.2351]\$,&[2.5077]\$,&[13.522]\$,&[11.6  
57]\$,&[14.116]\$,&[13.585]\$  
&[4.8022]\$,&[11.053]\$,&[16.493]\$,&[9.0958]\$,&[-0.5131]\$,&[7.2938]\$,&[11.994]\$,&[5.4  
643]\$,&[14.321]\$,&[14.886]\$  
&[6.2686]\$,&[12.209]\$,&[15.698]\$,&[9.3711]\$,&[1.3633]\$,&[4.6844]\$,&[12.877]\$,&[13.8  
06]\$,&[14.285]\$,&[13.541]\$  
&[6.8429]\$,&[14.492]\$,&[9.6926]\$,&[10.259]\$,&[2.752]\$,&[4.648]\$,&[8.4787]\$,&[6.7586  
]\$,&[12.818]\$,&[15.301]\$  
&[8.6926]\$,&[12.294]\$,&[14.612]\$,&[6.4829]\$,&[7.1472]\$,&[5.085]\$,&[5.4449]\$,&[12.27  
]\$,&[12.58]\$,&[14.58]\$  
&[6.9781]\$,&[10.408]\$,&[13.289]\$,&[2.1928]\$,&[2.2164]\$,&[7.7499]\$,&[8.5045]\$,&[10.1  
02]\$,&[14.058]\$,&[15.109]\$  
&[5.8557]\$,&[11.853]\$,&[15.031]\$,&[3.5111]\$,&[-0.61254]\$,&[6.0995]\$,&[14.098]\$,&[5.  
4683]\$,&[11.774]\$,&[13.508]\$

#### CH17B103

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0097517

&[4.2324]\$,&[5.199]\$,&[3.2691]\$,&[6.2566]\$,&[6.2394]\$,&[7.6157]\$,&[5.2579]\$,&[3.509  
9]\$,&[5.9066]\$,&[8.0643]\$  
&[3.7511]\$,&[9.194]\$,&[9.656]\$,&[8.4417]\$,&[6.1521]\$,&[3.5046]\$,&[7.8011]\$,&[9.592]  
\$,&[6.4019]\$,&[8.1454]\$  
&[6.0801]\$,&[6.3144]\$,&[6.2693]\$,&[5.7023]\$,&[6.8547]\$,&[7.0107]\$,&[6.0714]\$,&[6.48  
13]\$,&[6.6518]\$,&[7.1698]\$  
&[2.5773]\$,&[0.8084]\$,&[8.3529]\$,&[-0.029111]\$,&[0.16724]\$,&[5.7439]\$,&[4.3576]\$,&[  
2.2938]\$,&[7.5629]\$,&[5.6429]\$  
&[14.122]\$,&[14.379]\$,&[11.715]\$,&[12.879]\$,&[14.435]\$,&[14.469]\$,&[13.402]\$,&[14.8  
19]\$,&[12.435]\$,&[12.715]\$  
&[8.4676]\$,&[10.596]\$,&[11.075]\$,&[13.652]\$,&[12.994]\$,&[12.294]\$,&[10.397]\$,&[10.9  
16]\$,&[10.149]\$,&[11.25]\$  
&[7.1431]\$,&[9.2812]\$,&[4.2934]\$,&[7.4919]\$,&[3.7377]\$,&[7.9543]\$,&[1.5478]\$,&[9.80  
57]\$,&[4.0275]\$,&[7.8922]\$  
&[5.8578]\$,&[5.3419]\$,&[12.354]\$,&[10.815]\$,&[9.3192]\$,&[11.046]\$,&[13.141]\$,&[8.54  
76]\$,&[4.6206]\$,&[8.4168]\$  
&[11.386]\$,&[11.549]\$,&[11.62]\$,&[12.147]\$,&[10.293]\$,&[11.342]\$,&[11.802]\$,&[10.11  
8]\$,&[13.189]\$,&[8.3412]\$  
&[1.4186]\$,&[1.8411]\$,&[4.3361]\$,&[2.0399]\$,&[4.23]\$,&[3.1551]\$,&[3.2989]\$,&[4.1889  
]\$,&[2.5465]\$,&[2.9683]\$

#### CH17B112

BT2022\_qiii\_22\_alldata

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.010539

&[3.3437]\$,&[15.933]\$,&[11.112]\$,&[11.156]\$,&[11.158]\$,&[7.3283]\$,&[5.8857]\$,&[4.6128]\$,&[7.6204]\$,&[8.4625]\$  
&[4.7305]\$,&[19.934]\$,&[12.672]\$,&[11.88]\$,&[12.133]\$,&[2.4907]\$,&[4.6244]\$,&[10.367]\$,&[5.8742]\$,&[3.9636]\$  
&[1.9928]\$,&[17.613]\$,&[10.677]\$,&[11.689]\$,&[10.491]\$,&[0.57507]\$,&[5.8986]\$,&[9.061]\$,&[5.6681]\$,&[3.878]\$  
&[2.3247]\$,&[19.774]\$,&[9.137]\$,&[11.316]\$,&[11.844]\$,&[6.8534]\$,&[6.1106]\$,&[5.8181]\$,&[2.2796]\$,&[8.2365]\$  
&[0.43083]\$,&[19.135]\$,&[12.741]\$,&[11.693]\$,&[14.059]\$,&[3.8474]\$,&[6.7826]\$,&[5.222]\$,&[5.9137]\$,&[6.4514]\$  
&[-0.43745]\$,&[15.191]\$,&[9.8221]\$,&[11.649]\$,&[9.4923]\$,&[11.423]\$,&[6.2498]\$,&[4.8437]\$,&[5.1474]\$,&[6.5925]\$  
&[-0.32823]\$,&[17.791]\$,&[4.4805]\$,&[12.19]\$,&[11.838]\$,&[7.999]\$,&[5.7742]\$,&[2.8663]\$,&[3.3895]\$,&[6.9745]\$  
&[4.2208]\$,&[13.397]\$,&[16.435]\$,&[10.765]\$,&[10.121]\$,&[6.2489]\$,&[6.4444]\$,&[8.4179]\$,&[4.9496]\$,&[9.3819]\$  
&[2.1911]\$,&[20.336]\$,&[14.393]\$,&[11.46]\$,&[9.9981]\$,&[6.775]\$,&[5.6082]\$,&[4.8146]\$,&[3.6705]\$,&[6.3616]\$  
&[-1.2792]\$,&[17.446]\$,&[14.62]\$,&[12.176]\$,&[11.766]\$,&[5.4931]\$,&[6.1235]\$,&[6.7459]\$,&[5.9987]\$,&[6.7526]\$

#### CH17B115

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.025771

&[9.9861]\$,&[5.1517]\$,&[2.5789]\$,&[5.5513]\$,&[10.254]\$,&[13.7]\$,&[4.5274]\$,&[12.189]\$,&[5.1497]\$,&[2.4752]\$  
&[16.228]\$,&[4.4558]\$,&[2.8989]\$,&[7.3994]\$,&[12.933]\$,&[9.384]\$,&[2.1595]\$,&[13.892]\$,&[5.6672]\$,&[4.9996]\$  
&[9.7487]\$,&[9.841]\$,&[3.1723]\$,&[4.4702]\$,&[10.488]\$,&[14.785]\$,&[2.9942]\$,&[11.751]\$,&[10.303]\$,&[2.5325]\$  
&[14.225]\$,&[7.0446]\$,&[1.5075]\$,&[3.0997]\$,&[13.436]\$,&[9.779]\$,&[2.0348]\$,&[13.108]\$,&[5.9381]\$,&[6.9186]\$  
&[12.665]\$,&[8.4354]\$,&[0.32768]\$,&[4.2325]\$,&[13.022]\$,&[11.408]\$,&[1.3378]\$,&[12.782]\$,&[3.5146]\$,&[3.9214]\$  
&[12.35]\$,&[4.9407]\$,&[7.6673]\$,&[8.3222]\$,&[7.8786]\$,&[12.438]\$,&[2.1936]\$,&[12.651]\$,&[8.8182]\$,&[4.39]\$  
&[11.338]\$,&[2.6193]\$,&[0.91968]\$,&[6.9976]\$,&[13.88]\$,&[14.528]\$,&[2.2586]\$,&[11.177]\$,&[5.8467]\$,&[5.0807]\$  
&[14.115]\$,&[5.1335]\$,&[1.9635]\$,&[4.8138]\$,&[15.112]\$,&[13.128]\$,&[0.44233]\$,&[11.881]\$,&[8.8258]\$,&[5.0734]\$  
&[12.949]\$,&[5.3993]\$,&[6.2822]\$,&[6.3809]\$,&[13.435]\$,&[12.49]\$,&[4.2891]\$,&[11.399]\$,&[4.2405]\$,&[5.6032]\$  
&[11.145]\$,&[8.4464]\$,&[7.5271]\$,&[4.3766]\$,&[9.1794]\$,&[12.206]\$,&[3.2871]\$,&[9.7442]\$,&[9.1491]\$,&[6.5312]\$

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CH18B001

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.022695

&[5.4735]\$,&[5.0076]\$,&[13.045]\$,&[1.2606]\$,&[4.1649]\$,&[11.343]\$,&[5.1305]\$,&[12.654]\$,&[6.774]\$,&[9.1092]\$  
&[8.0012]\$,&[5.4854]\$,&[8.175]\$,&[2.3248]\$,&[8.8107]\$,&[9.4951]\$,&[2.7114]\$,&[11.976]\$,&[4.1194]\$,&[11.41]\$  
&[9.0254]\$,&[2.5457]\$,&[10.135]\$,&[5.3763]\$,&[9.811]\$,&[7.8553]\$,&[2.9386]\$,&[20.521]\$,&[4.3183]\$,&[10.215]\$  
&[11.806]\$,&[6.2888]\$,&[9.8129]\$,&[7.4605]\$,&[8.0563]\$,&[6.7838]\$,&[3.2146]\$,&[13.328]\$,&[9.74]\$,&[12.735]\$  
&[8.3993]\$,&[4.5698]\$,&[8.3323]\$,&[9.1478]\$,&[3.9109]\$,&[12.995]\$,&[3.1592]\$,&[11.375]\$,&[5.5447]\$,&[13.35]\$  
&[2.2464]\$,&[8.2925]\$,&[9.5803]\$,&[8.7101]\$,&[10.043]\$,&[11.293]\$,&[4.523]\$,&[10.359]\$,&[1.7119]\$,&[13.594]\$  
&[5.0704]\$,&[5.7113]\$,&[7.4485]\$,&[8.018]\$,&[6.018]\$,&[9.1654]\$,&[3.8279]\$,&[13.685]\$,\$,&[5.0919]\$,&[12.94]\$  
&[6.4307]\$,&[5.0404]\$,&[6.7893]\$,&[7.9337]\$,&[7.126]\$,&[12.238]\$,&[3.6017]\$,&[11.231]\$,&[6.4209]\$,&[14.748]\$  
&[9.1753]\$,&[7.2101]\$,&[9.024]\$,&[0.4607]\$,&[5.2086]\$,&[12.136]\$,&[3.345]\$,&[8.8018]\$,\$,&[9.208]\$,&[11.628]\$  
&[9.5245]\$,&[3.8806]\$,&[12.222]\$,&[4.554]\$,&[4.384]\$,&[12.254]\$,&[4.7356]\$,&[16.253]\$,\$,&[5.7188]\$,&[12.785]\$

CH18B005

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.020488

&[14.69]\$,&[13.529]\$,&[2.6265]\$,&[14.072]\$,&[5.2709]\$,&[5.7612]\$,&[11.048]\$,&[-1.934]\$,&[5.7901]\$,&[4.3175]\$  
&[17.711]\$,&[16.265]\$,&[3.8368]\$,&[13.174]\$,&[10.649]\$,&[5.1781]\$,&[13.41]\$,&[3.2124]\$,&[5.7985]\$,&[7.1812]\$  
&[13.511]\$,&[14.812]\$,&[4.0387]\$,&[12.439]\$,&[2.1912]\$,&[9.2541]\$,&[12.962]\$,&[2.5677]\$,\$,&[4.5478]\$,&[6.4572]\$  
&[9.6122]\$,&[12.012]\$,&[3.207]\$,&[13.256]\$,&[2.5689]\$,&[4.0849]\$,&[13.586]\$,&[3.9904]\$,&[7.2718]\$,&[6.5809]\$  
&[18.088]\$,&[13.849]\$,&[2.5742]\$,&[12.809]\$,&[10.353]\$,&[5.3682]\$,&[12.249]\$,&[3.4662]\$,&[5.5587]\$,&[4.0483]\$  
&[11.234]\$,&[13.777]\$,&[2.6529]\$,&[15.918]\$,&[4.7055]\$,&[10.619]\$,&[11.3]\$,&[3.3648]\$,\$,&[4.7993]\$,&[4.4218]\$  
&[10.116]\$,&[14.48]\$,&[2.7899]\$,&[15.322]\$,&[8.955]\$,&[7.3552]\$,&[8.7174]\$,&[3.4279]\$,\$,&[4.6995]\$,&[6.6336]\$  
&[9.0487]\$,&[15.852]\$,&[2.8309]\$,&[13.354]\$,&[4.6651]\$,&[8.48]\$,&[13.92]\$,&[2.9779]\$,\$,&[7.1195]\$,&[8.4443]\$  
&[14.579]\$,&[12.262]\$,&[2.7482]\$,&[12.903]\$,&[4.2797]\$,&[10.374]\$,&[6.6367]\$,&[2.9743]\$,&[5.1038]\$,&[2.7084]\$  
&[15.69]\$,&[17.885]\$,&[3.2942]\$,&[11.717]\$,&[6.376]\$,&[7.2583]\$,&[9.749]\$,&[1.1635]

BT2022\_qiii\_22\_alldata

\$,&[4.3734]\$,&[6.8245]\$

CH18B006

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0023433

&[5.0058]\$,&[15.97]\$,&[4.4664]\$,&[11.09]\$,&[9.7534]\$,&[18.017]\$,&[10.433]\$,&[10.312]\$,&[13.688]\$,&[9.7474]\$  
&[5.9579]\$,&[14.34]\$,&[6.8419]\$,&[15.378]\$,&[11.079]\$,&[8.4414]\$,&[10.733]\$,&[12.127]\$,&[13.884]\$,&[9.0121]\$  
&[5.1839]\$,&[16.61]\$,&[4.0061]\$,&[11.64]\$,&[8.7701]\$,&[9.2664]\$,&[10.761]\$,&[12.722]\$,&[11.836]\$,&[8.3966]\$  
&[3.8315]\$,&[14.976]\$,&[8.4276]\$,&[11.272]\$,&[9.3356]\$,&[12.573]\$,&[10.429]\$,&[11.69]\$,&[11.522]\$,&[8.4801]\$  
&[5.2167]\$,&[14.214]\$,&[8.2102]\$,&[9.2067]\$,&[11.593]\$,&[10.441]\$,&[10.813]\$,&[12.992]\$,&[12.161]\$,&[8.7338]\$  
&[6.2454]\$,&[10.611]\$,&[8.1357]\$,&[10.884]\$,&[12.267]\$,&[6.3816]\$,&[10.776]\$,&[9.7129]\$,&[9.3759]\$,&[11.452]\$  
&[4.027]\$,&[14.136]\$,&[7.3358]\$,&[10.394]\$,&[10.996]\$,&[11.612]\$,&[10.278]\$,&[9.1894]\$,&[11.457]\$,&[10.233]\$  
&[5.9833]\$,&[11.705]\$,&[6.5239]\$,&[11.287]\$,&[7.9845]\$,&[7.5928]\$,&[10.61]\$,&[10.622]\$,&[13.666]\$,&[12.449]\$  
&[5.7484]\$,&[16.279]\$,&[6.6276]\$,&[9.8005]\$,&[10.853]\$,&[9.9015]\$,&[10.59]\$,&[13.922]\$,&[13.548]\$,&[12.576]\$  
&[3.9369]\$,&[10.949]\$,&[12.032]\$,&[8.4934]\$,&[13.627]\$,&[14.302]\$,&[10.557]\$,&[13.219]\$,&[12.165]\$,&[9.1671]\$

CH18B010

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0046411

&[7.2703]\$,&[10.701]\$,&[12.251]\$,&[13.934]\$,&[11.366]\$,&[12.074]\$,&[11.564]\$,&[8.2794]\$,&[3.9156]\$,&[13.979]\$  
&[7.0729]\$,&[11.186]\$,&[15.247]\$,&[14.107]\$,&[13.845]\$,&[10.424]\$,&[14.522]\$,&[11.693]\$,&[-0.44236]\$,&[14.007]\$  
&[8.9361]\$,&[9.8168]\$,&[15.774]\$,&[12.569]\$,&[11.802]\$,&[12.508]\$,&[12.832]\$,&[7.5328]\$,&[-0.3915]\$,&[15.929]\$  
&[6.1002]\$,&[10.658]\$,&[13.802]\$,&[12.69]\$,&[13.291]\$,&[13.303]\$,&[13.287]\$,&[9.0538]\$,&[3.1182]\$,&[13.897]\$  
&[7.0518]\$,&[12.47]\$,&[20.527]\$,&[13.353]\$,&[12.408]\$,&[11.634]\$,&[12.138]\$,&[7.6715]\$,&[2.2132]\$,&[13.849]\$  
&[8.6087]\$,&[10.52]\$,&[11.667]\$,&[13.668]\$,&[9.8205]\$,&[14.624]\$,&[19.578]\$,&[10.205]\$,&[10.101]\$,&[20.015]\$  
&[9.1768]\$,&[9.6081]\$,&[14.981]\$,&[13.531]\$,&[13.808]\$,&[11.101]\$,&[11.437]\$,&[11.091]\$,&[4.5717]\$,&[14.252]\$  
&[8.218]\$,&[10.321]\$,&[16.753]\$,&[11.623]\$,&[12.086]\$,&[11.955]\$,&[15.693]\$,&[12.385]\$,&[3.8316]\$,&[16.772]\$  
&[9.9408]\$,&[11.43]\$,&[8.4111]\$,&[12.871]\$,&[13.567]\$,&[14.253]\$,&[15.105]\$,&[9.627]

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8]\$,&[3.4632]\$,&[15.792]\$  
&[8.826]\$,&[9.5364]\$,&[13.385]\$,&[15.589]\$,&[11.312]\$,&[11.756]\$,&[14.605]\$,&[10.79]  
]\$,&[3.7124]\$,&[16.615]\$

CH18B012

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.011953

&[17.83]\$,&[12.284]\$,&[2.7757]\$,&[6.1623]\$,&[2.6612]\$,&[10.064]\$,&[14.171]\$,&[10.07  
6]\$,&[7.9908]\$,&[11.581]\$  
&[5.8304]\$,&[9.809]\$,&[3.1607]\$,&[3.195]\$,&[4.4502]\$,&[9.7081]\$,&[15.658]\$,&[11.783  
]\$,&[3.7361]\$,&[10.257]\$  
&[11.05]\$,&[9.2466]\$,&[-0.7146]\$,&[3.3539]\$,&[6.1576]\$,&[9.5531]\$,&[14.168]\$,&[8.59  
1]\$,&[0.25775]\$,&[9.1129]\$  
&[10.851]\$,&[10.349]\$,&[7.2008]\$,&[4.2499]\$,&[5.1551]\$,&[9.8067]\$,&[10.596]\$,&[9.73  
93]\$,&[5.7412]\$,&[9.2945]\$  
&[17.851]\$,&[6.7038]\$,&[1.3795]\$,&[6.5301]\$,&[3.0056]\$,&[9.7837]\$,&[9.9723]\$,&[13.4  
42]\$,&[2.8947]\$,&[-0.10903]\$  
&[11.321]\$,&[9.6819]\$,&[1.4583]\$,&[5.1274]\$,&[9.2481]\$,&[10.22]\$,&[12.789]\$,&[10.28  
4]\$,&[10.009]\$,&[8.4334]\$  
&[13.189]\$,&[10.395]\$,&[4.3014]\$,&[3.2145]\$,&[5.3486]\$,&[9.6653]\$,&[16.685]\$,&[8.13  
05]\$,&[6.6439]\$,&[5.5503]\$  
&[12.173]\$,&[9.3872]\$,&[-0.95839]\$,&[4.3443]\$,&[6.9245]\$,&[9.4994]\$,&[12.864]\$,&[9.  
7206]\$,&[4.9203]\$,&[5.9891]\$  
&[14.914]\$,&[9.477]\$,&[8.0196]\$,&[4.8378]\$,&[3.1806]\$,&[8.6033]\$,&[14.633]\$,&[11.76  
1]\$,&[3.6294]\$,&[4.6501]\$  
&[7.2706]\$,&[11.913]\$,&[1.4073]\$,&[4.491]\$,&[4.1401]\$,&[10.942]\$,&[13.292]\$,&[10.47  
4]\$,&[12.362]\$,&[8.3627]\$

CH18B044

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0079792

&[0.78053]\$,&[1.835]\$,&[0.92864]\$,&[0.74755]\$,&[2.5862]\$,&[2.8599]\$,&[3.9593]\$,&[3.  
3213]\$,&[-0.008631]\$,&[2.2197]\$  
&[11.275]\$,&[12.135]\$,&[13.15]\$,&[10.716]\$,&[8.5241]\$,&[11.316]\$,&[13.182]\$,&[9.789  
6]\$,&[12.188]\$,&[11.406]\$  
&[3.7433]\$,&[2.5002]\$,&[5.1307]\$,&[2.8461]\$,&[4.0404]\$,&[3.9673]\$,&[4.963]\$,&[4.467  
9]\$,&[4.1452]\$,&[3.1844]\$  
&[6.7571]\$,&[5.3569]\$,&[1.5931]\$,&[2.0625]\$,&[3.3079]\$,&[5.8043]\$,&[5.801]\$,&[3.633  
1]\$,&[3.922]\$,&[2.8263]\$  
&[2.4141]\$,&[4.345]\$,&[1.3303]\$,&[2.9239]\$,&[2.6285]\$,&[6.9436]\$,&[3.5205]\$,&[4.434  
]\$,&[4.6091]\$,&[7.3205]\$  
&[11.766]\$,&[13.414]\$,&[15.754]\$,&[13.255]\$,&[9.4099]\$,&[13.691]\$,&[11.723]\$,&[13.0  
17]\$,&[15.145]\$,&[13.994]\$  
&[10.664]\$,&[8.6543]\$,&[7.4574]\$,&[7.4335]\$,&[10.098]\$,&[9.8776]\$,&[9.2355]\$,&[11.9  
9]\$,&[12.508]\$,&[11.405]\$  
&[13.915]\$,&[9.6373]\$,&[13.35]\$,&[14.417]\$,&[17.692]\$,&[15.6]\$,&[9.4031]\$,&[14.058]

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\$,&[15.294]\$,&[15.641]\$  
&[11.892]\$,&[11.281]\$,&[13.391]\$,&[8.9433]\$,&[11.566]\$,&[8.0453]\$,&[10.702]\$,&[12.206]\$,&[13.796]\$,&[14.555]\$  
&[3.6463]\$,&[-0.43705]\$,&[5.5569]\$,&[4.1229]\$,&[3.3847]\$,&[3.0853]\$,&[2.8535]\$,&[0.66989]\$,&[4.911]\$,&[-2.019]\$

#### CH18B056

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.006799  
&[14.731]\$,&[9.6666]\$,&[8.137]\$,&[8.6177]\$,&[15.462]\$,&[10.736]\$,&[7.1178]\$,&[11.673]\$,&[6.9632]\$,&[10.658]\$  
&[13.834]\$,&[14.839]\$,&[8.5696]\$,&[7.7802]\$,&[13.282]\$,&[8.2025]\$,&[8.6972]\$,&[5.3237]\$,&[11.099]\$,&[10.627]\$  
&[13.755]\$,&[11.993]\$,&[10.296]\$,&[13.861]\$,&[14.779]\$,&[11]\$,&[7.3527]\$,&[17.287]\$  
,&[10.151]\$,&[8.9766]\$  
&[8.137]\$,&[10.215]\$,&[9.7203]\$,&[9.0496]\$,&[13.913]\$,&[3.3447]\$,&[6.2076]\$,&[10.669]\$,&[7.615]\$,&[10.756]\$  
&[13.086]\$,&[10.183]\$,&[7.5782]\$,&[7.734]\$,&[12.687]\$,&[13.582]\$,&[7.6345]\$,&[10.743]\$,&[6.2397]\$,&[10.165]\$  
&[14.878]\$,&[9.5508]\$,&[7.7951]\$,&[6.5649]\$,&[13.622]\$,&[8.6444]\$,&[6.5659]\$,&[12.44]\$,&[7.9202]\$,&[8.6059]\$  
&[12.438]\$,&[10.903]\$,&[6.9461]\$,&[8.0595]\$,&[12.321]\$,&[10.367]\$,&[7.6392]\$,&[10.195]\$,&[8.6842]\$,&[9.318]\$  
&[16.419]\$,&[9.7625]\$,&[5.9155]\$,&[6.7836]\$,&[14.163]\$,&[10.117]\$,&[7.2351]\$,&[10.742]\$,&[10.357]\$,&[7.861]\$  
&[13.509]\$,&[11.612]\$,&[11.29]\$,&[7.6104]\$,&[15.5]\$,&[6.6741]\$,&[6.942]\$,&[11.598]\$  
,&[4.5731]\$,&[8.3764]\$  
&[13.441]\$,&[11.096]\$,&[13.97]\$,&[6.2453]\$,&[11.963]\$,&[8.5369]\$,&[7.7076]\$,&[18.413]\$,&[7.3409]\$,&[10.223]\$

#### CH18B060

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.014276  
&[2.7894]\$,&[3.2054]\$,&[10.998]\$,&[5.6497]\$,&[8.489]\$,&[5.2007]\$,&[10.125]\$,&[5.0283]\$,&[6.0733]\$,&[4.6419]\$  
&[8.8722]\$,&[9.3991]\$,&[7.1279]\$,&[9.1089]\$,&[5.9203]\$,&[9.7187]\$,&[7.5125]\$,&[7.5876]\$,&[6.3505]\$,&[8.7162]\$  
&[5.8964]\$,&[7.9099]\$,&[4.022]\$,&[5.6865]\$,&[5.2671]\$,&[6.166]\$,&[6.9088]\$,&[5.774]\$,&[6.307]\$,&[6.0948]\$  
&[14.546]\$,&[10.92]\$,&[11.31]\$,&[10.501]\$,&[11.93]\$,&[13.366]\$,&[12.929]\$,&[13.731]\$,&[12.296]\$,&[9.7413]\$  
&[13.422]\$,&[12.996]\$,&[13.642]\$,&[13.573]\$,&[13.809]\$,&[12.492]\$,&[10.359]\$,&[12.376]\$,&[11.899]\$,&[10.477]\$  
&[6.5889]\$,&[4.2173]\$,&[9.9378]\$,&[11.186]\$,&[6.9697]\$,&[7.6839]\$,&[13.732]\$,&[7.525]\$,&[14.099]\$,&[9.7886]\$  
&[7.8445]\$,&[3.4422]\$,&[5.5818]\$,&[6.2197]\$,&[4.7332]\$,&[2.815]\$,&[6.1259]\$,&[3.392]

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7]\$,&[7.678]\$,&[5.5712]\$  
&[12.265]\$,&[10.292]\$,&[13.831]\$,&[14.513]\$,&[7.999]\$,&[14.348]\$,&[10.529]\$,&[9.613  
3]\$,&[11.394]\$,&[10.424]\$  
&[4.0399]\$,&[5.7892]\$,&[7.5394]\$,&[5.4395]\$,&[9.1623]\$,&[8.0409]\$,&[8.6375]\$,&[4.35  
94]\$,&[7.6393]\$,&[7.5798]\$  
&[12.192]\$,&[13.533]\$,&[15.239]\$,&[15.541]\$,&[11.39]\$,&[14.36]\$,&[13.752]\$,&[9.8849  
]\$,&[13.698]\$,&[12.275]\$

CH18B067

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.033928  
&[13.627]\$,&[14.95]\$,&[15.771]\$,&[13.586]\$,&[12.682]\$,&[9.5901]\$,&[10.195]\$,&[14.27  
9]\$,&[12.023]\$,&[10.699]\$  
&[10.957]\$,&[12.804]\$,&[15.448]\$,&[6.6448]\$,&[13.626]\$,&[14.816]\$,&[12.003]\$,&[14.0  
99]\$,&[13.712]\$,&[15.412]\$  
&[16.355]\$,&[15.512]\$,&[13.669]\$,&[16.906]\$,&[17.689]\$,&[15.587]\$,&[19.9]\$,&[15.043  
]\$,&[10.913]\$,&[14.591]\$  
&[7.2791]\$,&[6.4389]\$,&[10.739]\$,&[3.2523]\$,&[5.4737]\$,&[4.6957]\$,&[2.2838]\$,&[2.09  
69]\$,&[4.5878]\$,&[1.5162]\$  
&[9.2745]\$,&[8.8612]\$,&[10.496]\$,&[8.3702]\$,&[11.527]\$,&[8.9866]\$,&[6.5948]\$,&[8.54  
22]\$,&[7.531]\$,&[9.0335]\$  
&[12.768]\$,&[9.3058]\$,&[6.0988]\$,&[5.6158]\$,&[9.1368]\$,&[8.8275]\$,&[6.1476]\$,&[9.01  
94]\$,&[7.7229]\$,&[7.0883]\$  
&[4.723]\$,&[3.2137]\$,&[8.5394]\$,&[-1.0021]\$,&[1.653]\$,&[6.4798]\$,&[7.8278]\$,&[6.254  
2]\$,&[5.418]\$,&[5.1538]\$  
&[7.695]\$,&[7.3698]\$,&[9.1077]\$,&[5.0478]\$,&[7.7446]\$,&[6.0211]\$,&[8.8267]\$,&[8.850  
6]\$,&[4.8299]\$,&[6.9277]\$  
&[12.63]\$,&[10.787]\$,&[8.9242]\$,&[13.139]\$,&[12.971]\$,&[11.317]\$,&[14.082]\$,&[10.69  
1]\$,&[16.827]\$,&[10.055]\$  
&[8.4988]\$,&[7.9755]\$,&[11.642]\$,&[10.311]\$,&[8.1341]\$,&[7.2872]\$,&[6.0275]\$,&[7.05  
6]\$,&[7.543]\$,&[9.3638]\$

CH18B119

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.002849  
&[12.067]\$,&[13.295]\$,&[15.322]\$,&[13.459]\$,&[13.003]\$,&[12.209]\$,&[14.367]\$,&[16.1  
84]\$,&[16.446]\$,&[13.162]\$  
&[11.485]\$,&[10.99]\$,&[7.717]\$,&[11.504]\$,&[6.6445]\$,&[9.1455]\$,&[9.5094]\$,&[10.039  
]\$,&[8.212]\$,&[10.605]\$  
&[11.649]\$,&[10.168]\$,&[11.218]\$,&[11.094]\$,&[12.113]\$,&[13.228]\$,&[12.113]\$,&[12.7  
13]\$,&[12.124]\$,&[12.244]\$  
&[10.669]\$,&[11.646]\$,&[11.428]\$,&[11.857]\$,&[10.699]\$,&[9.4494]\$,&[11.397]\$,&[12.2  
41]\$,&[9.6197]\$,&[11.286]\$  
&[12.626]\$,&[21.241]\$,&[12.85]\$,&[18.431]\$,&[16.79]\$,&[12.146]\$,&[11.684]\$,&[10.328  
]\$,&[18.482]\$,&[11.755]\$  
&[15.885]\$,&[13.129]\$,&[15.444]\$,&[14.63]\$,&[14.265]\$,&[17.2]\$,&[14.891]\$,&[14.039]

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\$,&[15.69]\$,&[13.814]\$  
&[11.904]\$,&[8.2437]\$,&[13.708]\$,&[14.176]\$,&[13.205]\$,&[12.658]\$,&[10.577]\$,&[8.63  
14]\$,&[11.26]\$,&[12.756]\$  
&[8.9646]\$,&[9.0631]\$,&[9.9918]\$,&[5.0468]\$,&[7.2599]\$,&[11.647]\$,&[8.3364]\$,&[8.18  
56]\$,&[11.035]\$,&[6.6883]\$  
&[8.6456]\$,&[13.487]\$,&[10.158]\$,&[11.926]\$,&[4.8749]\$,&[8.7343]\$,&[9.3168]\$,&[9.16  
27]\$,&[9.3923]\$,&[5.9733]\$  
&[5.2354]\$,&[1.8175]\$,&[6.4947]\$,&[6.7817]\$,&[5.7918]\$,&[5.0905]\$,&[6.2946]\$,&[6.61  
16]\$,&[2.3656]\$,&[8.3978]\$

#### CH19B004

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.040264  
&[16.778]\$,&[10.817]\$,&[4.0581]\$,&[15.468]\$,&[8.4943]\$,&[14.462]\$,&[6.3396]\$,&[5.48  
48]\$,&[13.849]\$,&[14.468]\$  
&[10.275]\$,&[9.1319]\$,&[9.3111]\$,&[14.646]\$,&[7.2093]\$,&[6.0295]\$,&[9.4158]\$,&[10.7  
7]\$,&[14.475]\$,&[13.13]\$  
&[13.968]\$,&[11.507]\$,&[4.5601]\$,&[9.8939]\$,&[5.9469]\$,&[2.8496]\$,&[11.291]\$,&[4.25  
25]\$,&[12.067]\$,&[14.626]\$  
&[16.274]\$,&[3.9533]\$,&[7.3696]\$,&[9.4544]\$,&[7.0543]\$,&[9.0768]\$,&[5.2871]\$,&[11.5  
14]\$,&[16.437]\$,&[11.851]\$  
&[14.298]\$,&[10.208]\$,&[7.2424]\$,&[15.386]\$,&[6.8114]\$,&[9.3764]\$,&[7.7623]\$,&[8.39  
71]\$,&[9.1287]\$,&[11.598]\$  
&[11.089]\$,&[9.1736]\$,&[4.2315]\$,&[13.081]\$,&[8.6004]\$,&[11.746]\$,&[8.674]\$,&[10.27  
1]\$,&[14.822]\$,&[13.655]\$  
&[16.369]\$,&[10.851]\$,&[7.8053]\$,&[12.591]\$,&[8.4735]\$,&[8.9374]\$,&[6.9563]\$,&[11.7  
11]\$,&[13.71]\$,&[15.291]\$  
&[14.463]\$,&[8.894]\$,&[6.0024]\$,&[13.518]\$,&[9.1723]\$,&[5.3324]\$,&[7.4802]\$,&[3.065  
1]\$,&[13.885]\$,&[15.347]\$  
&[12.441]\$,&[11.267]\$,&[6.902]\$,&[14.385]\$,&[8.1136]\$,&[5.6397]\$,&[9.9806]\$,&[13.67  
3]\$,&[7.397]\$,&[11.461]\$  
&[16.997]\$,&[8.1661]\$,&[3.2474]\$,&[12.561]\$,&[7.0464]\$,&[7.3032]\$,&[12.894]\$,&[8.02  
27]\$,&[7.9941]\$,&[13.761]\$

#### CH19B007

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.018507  
&[5.8272]\$,&[4.8137]\$,&[5.2362]\$,&[6.7383]\$,&[6.5013]\$,&[7.3305]\$,&[5.3448]\$,&[4.95  
47]\$,&[7.3863]\$,&[3.9045]\$  
&[2.7895]\$,&[2.663]\$,&[7.1899]\$,&[6.519]\$,&[4.9999]\$,&[8.937]\$,&[6.5273]\$,&[4.0451]  
\$,&[5.7722]\$,&[9.0879]\$  
&[3.0506]\$,&[2.1299]\$,&[2.7666]\$,&[4.3007]\$,&[2.4184]\$,&[2.6672]\$,&[1.38]\$,&[3.747]  
\$,&[3.2567]\$,&[1.8012]\$  
&[6.8497]\$,&[3.811]\$,&[7.9332]\$,&[4.5603]\$,&[9.0788]\$,&[7.8463]\$,&[4.9059]\$,&[5.725  
4]\$,&[7.1332]\$,&[7.063]\$  
&[13.632]\$,&[16.686]\$,&[14.381]\$,&[14.349]\$,&[17.98]\$,&[14.178]\$,&[15.176]\$,&[12.55

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2]\$,&[13.381]\$,&[15.207]\$  
&[13.593]\$,&[13.997]\$,&[14.333]\$,&[13.063]\$,&[13.715]\$,&[12.135]\$,&[12.615]\$,&[13.9  
76]\$,&[12.449]\$,&[14.618]\$  
&[16.296]\$,&[9.0486]\$,&[13.27]\$,&[12.808]\$,&[14.99]\$,&[10.242]\$,&[13.4]\$,&[12.786]\$  
,&[16.696]\$,&[10.183]\$  
&[2.7376]\$,&[8.7112]\$,&[7.108]\$,&[5.9269]\$,&[5.3907]\$,&[6.0306]\$,&[4.4147]\$,&[3.791  
7]\$,&[3.0365]\$,&[1.5328]\$  
&[12.242]\$,&[10.312]\$,&[11.368]\$,&[11.787]\$,&[8.3281]\$,&[13.424]\$,&[10.168]\$,&[11.8  
22]\$,&[14.016]\$,&[9.8367]\$  
&[9.3493]\$,&[7.5067]\$,&[6.3471]\$,&[7.9867]\$,&[9.5947]\$,&[5.8812]\$,&[5.0854]\$,&[8.99  
13]\$,&[7.9456]\$,&[9.424]\$

CH19B008

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.015379

&[12.955]\$,&[6.0061]\$,&[8.8927]\$,&[1.674]\$,&[5.8009]\$,&[6.956]\$,&[7.8956]\$,&[11.965  
]\$,&[3.2576]\$,&[2.0277]\$  
&[2.5429]\$,&[5.7174]\$,&[1.1375]\$,&[3.7908]\$,&[0.016611]\$,&[1.7326]\$,&[2.0111]\$,&[3.  
7089]\$,&[2.7655]\$,&[2.6976]\$  
&[8.268]\$,&[1.9648]\$,&[5.1448]\$,&[6.2305]\$,&[1.8707]\$,&[5.3244]\$,&[3.3219]\$,&[4.531  
8]\$,&[6.484]\$,&[3.3456]\$  
&[5.17]\$,&[4.9774]\$,&[5.4615]\$,&[4.9439]\$,&[6.1614]\$,&[5.7493]\$,&[5.2649]\$,&[5.3069  
]\$,&[5.3225]\$,&[5.1753]\$  
&[9.1914]\$,&[7.7992]\$,&[6.4883]\$,&[7.4545]\$,&[5.0313]\$,&[7.7716]\$,&[8.3304]\$,&[8.09  
17]\$,&[7.5938]\$,&[7.9677]\$  
&[10.689]\$,&[14.227]\$,&[12.146]\$,&[7.2033]\$,&[16.742]\$,&[13.883]\$,&[9.8239]\$,&[10.1  
47]\$,&[12.827]\$,&[10.543]\$  
&[10.597]\$,&[12.09]\$,&[14.198]\$,&[12.26]\$,&[15.277]\$,&[11.088]\$,&[13.447]\$,&[15.087  
]\$,&[14.314]\$,&[13.3]\$  
&[0.86962]\$,&[9.6557]\$,&[5.7474]\$,&[-1.7261]\$,&[-1.0323]\$,&[4.569]\$,&[2.6308]\$,&[2.  
2232]\$,&[1.4663]\$,&[4.3162]\$  
&[12.216]\$,&[13.33]\$,&[7.6651]\$,&[13.229]\$,&[10.728]\$,&[10.518]\$,&[10.007]\$,&[13.85  
4]\$,&[10.494]\$,&[11.654]\$  
&[7.7462]\$,&[3.3163]\$,&[9.3368]\$,&[4.2072]\$,&[3.8916]\$,&[2.2852]\$,&[7.154]\$,&[1.670  
7]\$,&[4.707]\$,&[6.3136]\$

CH19B010

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.040007

&[11.793]\$,&[7.0448]\$,&[11.14]\$,&[7.9355]\$,&[11.477]\$,&[11.124]\$,&[11.385]\$,&[11.07  
8]\$,&[11.966]\$,&[11.227]\$  
&[10.181]\$,&[16.646]\$,&[10.312]\$,&[17.779]\$,&[20.826]\$,&[18.003]\$,&[16.284]\$,&[17.8  
23]\$,&[14.409]\$,&[14.386]\$  
&[2.1124]\$,&[1.6003]\$,&[1.951]\$,&[2.1127]\$,&[1.9683]\$,&[1.7309]\$,&[2.3154]\$,&[2.283  
2]\$,&[1.6652]\$,&[2.037]\$  
&[13.239]\$,&[11.441]\$,&[17.376]\$,&[16.701]\$,&[13.009]\$,&[12.704]\$,&[12.217]\$,&[16.4

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42]\$,&[10.757]\$,&[11.878]\$  
&[0.6735]\$,&[0.20107]\$,&[-1.7291]\$,&[4.0906]\$,&[1.6292]\$,&[6.7256]\$,&[-1.1127]\$,&[0  
.84697]\$,&[-1.2352]\$,&[2.8662]\$  
&[5.8253]\$,&[3.6843]\$,&[5.3458]\$,&[7.0897]\$,&[5.5034]\$,&[5.9678]\$,&[5.0451]\$,&[4.29  
52]\$,&[6.9924]\$,&[4.7643]\$  
&[5.0211]\$,&[7.8164]\$,&[6.8024]\$,&[5.3428]\$,&[5.5189]\$,&[6.6072]\$,&[6.8642]\$,&[5.00  
05]\$,&[7.0339]\$,&[7.3428]\$  
&[10.758]\$,&[13.38]\$,&[10.841]\$,&[15.138]\$,&[14.026]\$,&[10.319]\$,&[14.508]\$,&[10.18  
]\$,&[9.0146]\$,&[10.332]\$  
&[11.256]\$,&[10.945]\$,&[10.721]\$,&[10.701]\$,&[10.221]\$,&[10.231]\$,&[10.119]\$,&[10.6  
39]\$,&[8.9432]\$,&[11.258]\$  
&[13.749]\$,&[9.7745]\$,&[14.658]\$,&[15.273]\$,&[9.6861]\$,&[15.254]\$,&[14.434]\$,&[9.23  
28]\$,&[13.585]\$,&[9.9299]\$

CH19B015

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.013401

&[12.079]\$,&[13.474]\$,&[11.979]\$,&[12.03]\$,&[12.9]\$,&[12.151]\$,&[13.091]\$,&[12.282]  
\$,&[13.214]\$,&[12.691]\$  
&[9.4676]\$,&[9.1386]\$,&[8.8793]\$,&[8.5376]\$,&[8.6032]\$,&[8.9566]\$,&[8.9515]\$,&[8.76  
79]\$,&[8.6436]\$,&[9.2203]\$  
&[18.969]\$,&[12.445]\$,&[11.704]\$,&[13.078]\$,&[15.246]\$,&[10.818]\$,&[11.862]\$,&[13.7  
92]\$,&[12.942]\$,&[11.99]\$  
&[13.167]\$,&[13.364]\$,&[13.881]\$,&[10.734]\$,&[11.139]\$,&[9.2587]\$,&[12.074]\$,&[11.6  
24]\$,&[8.9008]\$,&[16.223]\$  
&[12.757]\$,&[13.029]\$,&[10.696]\$,&[13.129]\$,&[11.088]\$,&[7.6515]\$,&[13.02]\$,&[7.141  
4]\$,&[9.0252]\$,&[13.721]\$  
&[6.0129]\$,&[6.2176]\$,&[9.2704]\$,&[9.9424]\$,&[2.3135]\$,&[7.4178]\$,&[0.45822]\$,&[5.4  
588]\$,&[9.1407]\$,&[5.1506]\$  
&[10.398]\$,&[12.007]\$,&[11.016]\$,&[10.851]\$,&[10.787]\$,&[11.551]\$,&[12.057]\$,&[11.7  
11]\$,&[12.003]\$,&[11.211]\$  
&[4.5068]\$,&[5.0668]\$,&[3.6317]\$,&[0.46282]\$,&[3.5426]\$,&[4.4695]\$,&[2.7072]\$,&[2.6  
31]\$,&[5.4197]\$,&[1.9643]\$  
&[7.9844]\$,&[6.7701]\$,&[8.1834]\$,&[6.9717]\$,&[7.0985]\$,&[7.3298]\$,&[7.3177]\$,&[8.07  
88]\$,&[7.17]\$,&[7.3553]\$  
&[10.923]\$,&[7.9082]\$,&[11.255]\$,&[11.674]\$,&[6.6066]\$,&[7.3666]\$,&[13.573]\$,&[8.89  
96]\$,&[7.6589]\$,&[8.259]\$

CH19B019

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.028241

&[11.473]\$,&[2.9647]\$,&[11.303]\$,&[8.2644]\$,&[3.7185]\$,&[4.7518]\$,&[7.7368]\$,&[4.66  
53]\$,&[9.959]\$,&[11.547]\$  
&[10.805]\$,&[9.8697]\$,&[5.3227]\$,&[6.5313]\$,&[3.0931]\$,&[5.1544]\$,&[18.068]\$,&[7.26  
16]\$,&[9.1935]\$,&[13.339]\$  
&[7.9695]\$,&[11.01]\$,&[7.229]\$,&[10.016]\$,&[0.80372]\$,&[4.7355]\$,&[19.371]\$,&[1.816

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2]\$,&[12.698]\$,&[9.2454]\$  
&[8.0357]\$,&[5.4931]\$,&[12.708]\$,&[9.1185]\$,&[2.9786]\$,&[4.9651]\$,&[16.166]\$,&[6.87  
07]\$,&[5.3637]\$,&[13.912]\$  
&[7.9808]\$,&[9.1811]\$,&[11.43]\$,&[7.662]\$,&[0.70896]\$,&[1.8798]\$,&[8.7981]\$,&[1.194  
5]\$,&[9.9036]\$,&[12.718]\$  
&[9.5865]\$,&[6.0737]\$,&[8.6835]\$,&[6.7538]\$,&[2.7406]\$,&[4.602]\$,&[11.458]\$,&[-1.23  
38]\$,&[8.678]\$,&[6.6476]\$  
&[9.4779]\$,&[7.4791]\$,&[2.6064]\$,&[10.763]\$,&[4.9037]\$,&[10.464]\$,&[12.405]\$,&[0.01  
5761]\$,&[9.8034]\$,&[10.393]\$  
&[8.3396]\$,&[6.5741]\$,&[8.8625]\$,&[5.3931]\$,&[4.6681]\$,&[2.7184]\$,&[15.025]\$,&[4.88  
79]\$,&[11.225]\$,&[17.909]\$  
&[10.162]\$,&[10.509]\$,&[8.4327]\$,&[4.7967]\$,&[2.0408]\$,&[4.989]\$,&[12.376]\$,&[5.223  
1]\$,&[11.257]\$,&[12.499]\$  
&[11.807]\$,&[8.7213]\$,&[9.7772]\$,&[6.5469]\$,&[2.4287]\$,&[0.69569]\$,&[18.447]\$,&[3.9  
285]\$,&[10.956]\$,&[12.521]\$

CH19B026

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.028895

&[1.9219]\$,&[1.79]\$,&[0.70164]\$,&[1.0216]\$,&[2.4543]\$,&[3.0448]\$,&[1.7663]\$,&[0.924  
64]\$,&[4.5937]\$,&[0.92099]\$  
&[11.916]\$,&[16.923]\$,&[13.19]\$,&[18.838]\$,&[13.11]\$,&[9.8478]\$,&[9.9712]\$,&[19.62  
]\$,&[15.752]\$,&[15.043]\$  
&[10.944]\$,&[13.24]\$,&[10.079]\$,&[11.272]\$,&[13.406]\$,&[15.278]\$,&[11.066]\$,&[6.286  
7]\$,&[14.053]\$,&[8.4507]\$  
&[3.8864]\$,&[7.556]\$,&[4.0312]\$,&[2.0611]\$,&[2.2477]\$,&[6.3015]\$,&[4.4238]\$,&[2.121  
1]\$,&[3.8239]\$,&[5.206]\$  
&[4.2097]\$,&[1.1945]\$,&[4.6542]\$,&[0.7761]\$,&[5.579]\$,&[-1.2947]\$,&[-0.59719]\$,&[-0  
.39221]\$,&[2.3858]\$,&[0.97996]\$  
&[3.7898]\$,&[2.8633]\$,&[4.4082]\$,&[2.5554]\$,&[3.5356]\$,&[5.0847]\$,&[1.9781]\$,&[5.94  
77]\$,&[8.0523]\$,&[3.1586]\$  
&[4.584]\$,&[5.9616]\$,&[5.0948]\$,&[1.5411]\$,&[11.052]\$,&[6.1316]\$,&[11.293]\$,&[5.972  
3]\$,&[1.4031]\$,&[7.0928]\$  
&[13.313]\$,&[18.226]\$,&[13.233]\$,&[11.006]\$,&[10.83]\$,&[16.916]\$,&[12.822]\$,&[15.70  
7]\$,&[11.35]\$,&[10.371]\$  
&[14.599]\$,&[16.074]\$,&[13.314]\$,&[14.886]\$,&[15.923]\$,&[12.317]\$,&[15.099]\$,&[15.0  
81]\$,&[14.618]\$,&[16.724]\$  
&[4.4692]\$,&[2.8884]\$,&[3.9952]\$,&[3.3821]\$,&[7.0345]\$,&[4.5392]\$,&[3.8495]\$,&[3.55  
43]\$,&[4.6086]\$,&[3.308]\$

CH19B028

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.021312

&[4.026]\$,&[8.0878]\$,&[5.0547]\$,&[17.1]\$,&[13.636]\$,&[11.727]\$,&[8.2245]\$,&[5.0257  
]\$,&[11.221]\$,&[4.0809]\$  
&[1.3074]\$,&[6.565]\$,&[1.245]\$,&[15.425]\$,&[10.041]\$,&[15.605]\$,&[5.878]\$,&[4.0913]

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\$,&[6.4454]\$,&[8.8862]\$  
&[1.3248]\$,&[6.9023]\$,&[0.57391]\$,&[12.214]\$,&[14.976]\$,&[11.138]\$,&[7.6681]\$,&[4.1  
272]\$,&[6.8714]\$,&[7.19]\$  
&[-1.021]\$,&[7.2677]\$,&[5.9699]\$,&[9.1942]\$,&[17.787]\$,&[10.81]\$,&[4.3349]\$,&[4.401  
4]\$,&[3.8571]\$,&[7.5843]\$  
&[3.4851]\$,&[5.0093]\$,&[4.272]\$,&[13.897]\$,&[7.6181]\$,&[13.204]\$,&[6.8656]\$,&[4.503  
6]\$,&[5.0052]\$,&[7.1401]\$  
&[2.0562]\$,&[4.4492]\$,&[6.7315]\$,&[11.614]\$,&[9.2039]\$,&[15.71]\$,&[5.9437]\$,&[4.101  
2]\$,&[5.0267]\$,&[6.5906]\$  
&[2.1233]\$,&[1.5914]\$,&[3.7055]\$,&[13.067]\$,&[15.235]\$,&[8.7575]\$,&[7.0844]\$,&[5.26  
76]\$,&[8.2828]\$,&[5.9661]\$  
&[1.6208]\$,&[6.6685]\$,&[3.3118]\$,&[9.3827]\$,&[14.528]\$,&[9.3197]\$,&[11.766]\$,&[4.61  
99]\$,&[7.8516]\$,&[4.9312]\$  
&[6.3976]\$,&[8.5043]\$,&[4.0612]\$,&[12.475]\$,&[13.62]\$,&[15.892]\$,&[9.0469]\$,&[5.158  
4]\$,&[6.8578]\$,&[4.7687]\$  
&[3.6618]\$,&[4.52]\$,&[2.2612]\$,&[12.739]\$,&[11.792]\$,&[12.672]\$,&[8.23]\$,&[6.2393]\$  
,&[9.1566]\$,&[6.0596]\$

CH19B034

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.02191

&[10.555]\$,&[10.395]\$,&[13.533]\$,&[11.385]\$,&[10.863]\$,&[6.5587]\$,&[13.402]\$,&[7.10  
47]\$,&[12.832]\$,&[8.9628]\$  
&[15.884]\$,&[10.65]\$,&[13.355]\$,&[16.419]\$,&[13.17]\$,&[13.663]\$,&[16.505]\$,&[18.01]  
\$,&[14.942]\$,&[6.6557]\$  
&[2.8367]\$,&[7.5195]\$,&[2.959]\$,&[1.4133]\$,&[6.5051]\$,&[3.1312]\$,&[4.0364]\$,&[0.927  
77]\$,&[3.1206]\$,&[5.5114]\$  
&[12.717]\$,&[9.796]\$,&[13.677]\$,&[13.527]\$,&[13.021]\$,&[11.507]\$,&[13.956]\$,&[13.68  
7]\$,&[10.647]\$,&[11.118]\$  
&[13.743]\$,&[15.488]\$,&[13.488]\$,&[16.001]\$,&[12.214]\$,&[12.329]\$,&[10.771]\$,&[13.0  
62]\$,&[8.6153]\$,&[11.805]\$  
&[9.2062]\$,&[10.44]\$,&[8.7212]\$,&[9.382]\$,&[9.1351]\$,&[7.9363]\$,&[8.8534]\$,&[9.8219  
]\$,&[9.8301]\$,&[11.422]\$  
&[6.9138]\$,&[7.9079]\$,&[8.6656]\$,&[7.6156]\$,&[7.2913]\$,&[7.0921]\$,&[8.2637]\$,&[8.06  
58]\$,&[6.2745]\$,&[6.8127]\$  
&[8.6497]\$,&[8.4596]\$,&[4.4446]\$,&[8.3673]\$,&[2.9115]\$,&[15.918]\$,&[9.5134]\$,&[6.30  
28]\$,&[10.491]\$,&[9.7947]\$  
&[9.1905]\$,&[6.6649]\$,&[5.4958]\$,&[8.4722]\$,&[11.967]\$,&[8.2055]\$,&[7.9936]\$,&[5.15  
37]\$,&[9.681]\$,&[10.725]\$  
&[4.5792]\$,&[5.5137]\$,&[4.0264]\$,&[3.6165]\$,&[5.4791]\$,&[-0.091035]\$,&[8.5294]\$,&[3  
.4795]\$,&[-2.1181]\$,&[2.1645]\$

CH19B049

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.01064

&[11.328]\$,&[8.8079]\$,&[5.4459]\$,&[10.172]\$,&[7.2136]\$,&[9.7811]\$,&[11.448]\$,&[8.97

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79]\$,&[10.836]\$,&[6.117]\$  
&[2.5386]\$,&[3.2834]\$,&[4.3677]\$,&[2.9119]\$,&[5.9393]\$,&[4.2184]\$,&[9.6143]\$,&[4.62  
98]\$,&[1.7924]\$,&[0.8471]\$  
&[11.077]\$,&[6.4657]\$,&[12.648]\$,&[10.02]\$,&[5.8972]\$,&[13.03]\$,&[5.6845]\$,&[7.1966  
]\$,&[5.4074]\$,&[11.072]\$\br/>&[13.372]\$,&[13.036]\$,&[17.192]\$,&[13.398]\$,&[15.448]\$,&[14.268]\$,&[13.019]\$,&[13.1  
09]\$,&[13.989]\$,&[12.851]\$\br/>&[13.094]\$,&[15.265]\$,&[5.659]\$,&[11.633]\$,&[11.748]\$,&[14.937]\$,&[8.4624]\$,&[13.92  
7]\$,&[7.8629]\$,&[4.5648]\$\br/>&[9.6999]\$,&[5.3141]\$,&[10.816]\$,&[8.153]\$,&[9.4355]\$,&[9.8553]\$,&[8.0728]\$,&[7.807  
]\$,&[7.1189]\$,&[9.1027]\$\br/>&[12.032]\$,&[4.2613]\$,&[13.224]\$,&[7.5897]\$,&[8.1091]\$,&[10.098]\$,&[10.091]\$,&[10.6  
3]\$,&[6.04]\$,&[11.634]\$\br/>&[11.172]\$,&[10.13]\$,&[14.236]\$,&[14.229]\$,&[12.448]\$,&[13.375]\$,&[16.293]\$,&[12.58  
3]\$,&[12.542]\$,&[12.069]\$\br/>&[7.0798]\$,&[8.731]\$,&[8.3482]\$,&[7.5276]\$,&[8.4635]\$,&[11.095]\$,&[8.7249]\$,&[8.240  
1]\$,&[4.4078]\$,&[8.7102]\$\br/>&[7.5026]\$,&[6.746]\$,&[8.8314]\$,&[6.0389]\$,&[10.181]\$,&[5.4758]\$,&[7.6915]\$,&[6.171  
9]\$,&[5.764]\$,&[6.2554]\$\br/>

#### CH19B051

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.018905  
&[1.6828]\$,&[8.8937]\$,&[11.53]\$,&[13.766]\$,&[6.0576]\$,&[10.46]\$,&[18.127]\$,&[12.341  
]\$,&[14.716]\$,&[12.308]\$\br/>&[3.3592]\$,&[12.694]\$,&[11.164]\$,&[9.4869]\$,&[7.0517]\$,&[4.2541]\$,&[8.6846]\$,&[11.6  
87]\$,&[12.869]\$,&[10.38]\$\br/>&[2.9652]\$,&[10.171]\$,&[10.832]\$,&[16.289]\$,&[11.424]\$,&[7.6539]\$,&[8.9585]\$,&[13.6  
06]\$,&[13.07]\$,&[11.632]\$\br/>&[3.9693]\$,&[10.38]\$,&[10.935]\$,&[15.392]\$,&[4.807]\$,&[6.027]\$,&[12.799]\$,&[14.056]  
\$,&[15.162]\$,&[12.175]\$\br/>&[3.0916]\$,&[8.9028]\$,&[11.283]\$,&[14.273]\$,&[9.2499]\$,&[9.5415]\$,&[6.7191]\$,&[11.2  
44]\$,&[16.049]\$,&[14.917]\$\br/>&[3.4194]\$,&[10.938]\$,&[10.266]\$,&[10.603]\$,&[8.408]\$,&[4.2295]\$,&[12.438]\$,&[16.11  
3]\$,&[17.18]\$,&[12.709]\$\br/>&[2.6586]\$,&[12.284]\$,&[12.641]\$,&[12.118]\$,&[10.883]\$,&[5.6691]\$,&[11.284]\$,&[9.20  
99]\$,&[15.207]\$,&[11.584]\$\br/>&[2.9102]\$,&[11.845]\$,&[13.496]\$,&[12.406]\$,&[8.3597]\$,&[3.8629]\$,&[9.4787]\$,&[11.2  
9]\$,&[15.53]\$,&[14.339]\$\br/>&[4.1459]\$,&[14.713]\$,&[10.55]\$,&[12.223]\$,&[7.0972]\$,&[4.5841]\$,&[11.178]\$,&[9.574  
]\$,&[13.474]\$,&[13.992]\$\br/>&[3.0288]\$,&[10.571]\$,&[9.7686]\$,&[9.983]\$,&[7.946]\$,&[12.136]\$,&[7.3254]\$,&[11.861  
]\$,&[16.795]\$,&[14.57]\$\br/>

#### CH19B052

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

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alpha = 0.0094492  
&[12.906]\$,&[8.7426]\$,&[-1.1267]\$,&[2.2319]\$,&[11.211]\$,&[11.356]\$,&[14.305]\$,&[3.801]\$,&[5.4002]\$,&[7.191]\$  
&[11.988]\$,&[6.2595]\$,&[4.6945]\$,&[-0.8651]\$,&[8.0145]\$,&[11.877]\$,&[13.957]\$,&[4.9303]\$,&[0.038145]\$,&[5.5248]\$  
&[9.8931]\$,&[8.3886]\$,&[-3.611]\$,&[2.3524]\$,&[12.509]\$,&[12.226]\$,&[9.0453]\$,&[2.3189]\$,&[0.94571]\$,&[5.8074]\$  
&[12.35]\$,&[6.5293]\$,&[-1.2325]\$,&[3.2989]\$,&[14.516]\$,&[11.786]\$,&[12.388]\$,&[4.3406]\$,&[5.0178]\$,&[5.1372]\$  
&[11.469]\$,&[7.6398]\$,&[1.9971]\$,&[1.3558]\$,&[11.646]\$,&[11.545]\$,&[12.143]\$,&[3.0216]\$,&[1.3021]\$,&[6.5656]\$  
&[10.799]\$,&[6.8382]\$,&[-0.6254]\$,&[3.1844]\$,&[10.735]\$,&[12.469]\$,&[14.616]\$,&[0.56659]\$,&[0.83634]\$,&[7.9683]\$  
&[13.835]\$,&[7.6791]\$,&[7.618]\$,&[2.1586]\$,&[13.431]\$,&[12.859]\$,&[12.761]\$,&[3.3302]\$,&[0.86414]\$,&[5.7808]\$  
&[11.337]\$,&[9.4756]\$,&[1.3705]\$,&[0.44008]\$,&[11.868]\$,&[12.588]\$,&[12.571]\$,&[2.9324]\$,&[1.1312]\$,&[6.6191]\$  
&[14.339]\$,&[7.2398]\$,&[2.3783]\$,&[2.6171]\$,&[11.154]\$,&[11.578]\$,&[11.269]\$,&[7.6383]\$,&[6.3287]\$,&[5.1241]\$  
&[9.9744]\$,&[8.268]\$,&[1.6241]\$,&[1.2229]\$,&[11.801]\$,&[11.033]\$,&[11.275]\$,&[-1.6069]\$,&[2.4111]\$,&[4.5285]\$

CH19B053

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.022786  
&[10.586]\$,&[10.267]\$,&[11.759]\$,&[13.542]\$,&[12.219]\$,&[13.698]\$,&[8.1478]\$,&[14.394]\$,&[13.641]\$,&[13.611]\$  
&[13.19]\$,&[13.661]\$,&[12.169]\$,&[13.161]\$,&[14.325]\$,&[12.198]\$,&[14.856]\$,&[16.441]\$,&[17.618]\$,&[17.162]\$  
&[10.412]\$,&[9.3979]\$,&[11.033]\$,&[10.819]\$,&[16.334]\$,&[12.264]\$,&[13.32]\$,&[9.4092]\$,&[11.767]\$,&[11.552]\$  
&[7.2347]\$,&[7.3089]\$,&[5.0985]\$,&[8.6243]\$,&[7.7851]\$,&[8.3861]\$,&[4.8864]\$,&[12.63]\$,&[4.8798]\$,&[12.011]\$  
&[8.4627]\$,&[4.302]\$,&[6.1586]\$,&[6.335]\$,&[5.8001]\$,&[4.7779]\$,&[4.6089]\$,&[4.1772]\$,&[2.656]\$,&[6.7209]\$  
&[11.143]\$,&[17.661]\$,&[15.079]\$,&[13.827]\$,&[10.029]\$,&[9.9464]\$,&[9.7194]\$,&[16.068]\$,&[15.783]\$,&[12.382]\$  
&[12.066]\$,&[13.943]\$,&[12.024]\$,&[10.218]\$,&[9.3487]\$,&[12.604]\$,&[8.8138]\$,&[9.8667]\$,&[8.8434]\$,&[6.3661]\$  
&[6.7813]\$,&[14.482]\$,&[14.578]\$,&[13.804]\$,&[9.4209]\$,&[13.173]\$,&[17.218]\$,&[12.267]\$,&[13.421]\$,&[13.867]\$  
&[11.95]\$,&[12.23]\$,&[10.537]\$,&[12.077]\$,&[11.406]\$,&[8.7481]\$,&[10.678]\$,&[9.9804]\$,&[12.047]\$,&[11.552]\$  
&[11.534]\$,&[6.8822]\$,&[9.0857]\$,&[8.2429]\$,&[8.1816]\$,&[10.013]\$,&[7.4605]\$,&[12.081]\$,&[12.397]\$,&[7.5121]\$

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CH19B055

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.039651

&[11.806]\$,&[9.5502]\$,&[10.77]\$,&[9.6436]\$,&[17.416]\$,&[11.624]\$,&[14.4]\$,&[16.64]\$  
&[11.062]\$,&[10.792]\$  
&[10.254]\$,&[8.2015]\$,&[8.7347]\$,&[7.794]\$,&[9.2764]\$,&[6.0678]\$,&[8.317]\$,&[9.5895]  
]\$,&[4.9583]\$,&[6.2739]\$  
&[2.6576]\$,&[5.5918]\$,&[4.9447]\$,&[7.6818]\$,&[9.5648]\$,&[1.0323]\$,&[7.8577]\$,&[0.84  
507]\$,&[8.2881]\$,&[6.4944]\$  
&[4.6723]\$,&[4.6611]\$,&[4.085]\$,&[4.7724]\$,&[3.7944]\$,&[4.244]\$,&[3.5849]\$,&[4.2966]  
]\$,&[4.3086]\$,&[3.2749]\$  
&[5.7617]\$,&[5.0519]\$,&[11.04]\$,&[6.3011]\$,&[3.5146]\$,&[8.8118]\$,&[6.2438]\$,&[4.296  
6]\$,&[4.2827]\$,&[2.269]\$  
&[9.8057]\$,&[22.317]\$,&[7.1919]\$,&[11.698]\$,&[5.8864]\$,&[12.366]\$,&[14.882]\$,&[13.5  
15]\$,&[17.465]\$,&[13.149]\$  
&[13.446]\$,&[8.3444]\$,&[16.852]\$,&[16.307]\$,&[11.988]\$,&[11.754]\$,&[9.3145]\$,&[7.81  
61]\$,&[11.869]\$,&[12.087]\$  
&[13.413]\$,&[14.317]\$,&[11.774]\$,&[12.661]\$,&[16.539]\$,&[16.283]\$,&[14.244]\$,&[11.9  
64]\$,&[16.421]\$,&[13.4]\$  
&[7.9163]\$,&[6.9494]\$,&[11.039]\$,&[4.0542]\$,&[4.6765]\$,&[10.712]\$,&[8.0053]\$,&[7.96  
37]\$,&[8.9051]\$,&[5.6077]\$  
&[13.618]\$,&[7.4287]\$,&[13.792]\$,&[7.6867]\$,&[11.799]\$,&[14.826]\$,&[13.444]\$,&[15.0  
85]\$,&[9.5399]\$,&[14.857]\$

CH19B056

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.00086512

&[3.2376]\$,&[5.8695]\$,&[5.8729]\$,&[4.2402]\$,&[9.058]\$,&[9.5618]\$,&[11.941]\$,&[10.16  
6]\$,&[15.794]\$,&[10.027]\$  
&[4.3233]\$,&[8.4235]\$,&[3.7762]\$,&[9.4609]\$,&[9.1728]\$,&[11.857]\$,&[13.181]\$,&[11.3  
22]\$,&[4.7727]\$,&[9.2126]\$  
&[0.14454]\$,&[8.4418]\$,&[5.4388]\$,&[6.5571]\$,&[6.4319]\$,&[9.7056]\$,&[11.144]\$,&[10.  
21]\$,&[10.91]\$,&[5.0962]\$  
&[5.9313]\$,&[11.863]\$,&[2.1661]\$,&[9.6443]\$,&[8.3142]\$,&[11.604]\$,&[13.334]\$,&[11.3  
42]\$,&[10.573]\$,&[8.5046]\$  
&[3.6431]\$,&[6.1779]\$,&[2.7716]\$,&[6.0416]\$,&[8.5159]\$,&[12.513]\$,&[12.334]\$,&[9.05  
65]\$,&[15.767]\$,&[7.4195]\$  
&[6.784]\$,&[6.9093]\$,&[-1.3313]\$,&[9.7417]\$,&[5.3053]\$,&[6.9122]\$,&[10.452]\$,&[11.9  
45]\$,&[15.231]\$,&[6.4513]\$  
&[6.8014]\$,&[4.1905]\$,&[3.5477]\$,&[6.4179]\$,&[6.0402]\$,&[13.85]\$,&[6.6636]\$,&[12.03  
9]\$,&[17.131]\$,&[7.4533]\$  
&[2.153]\$,&[6.6425]\$,&[0.62235]\$,&[5.7842]\$,&[6.3091]\$,&[10.02]\$,&[14.127]\$,&[11.57  
5]\$,&[13.092]\$,&[9.0358]\$  
&[2.3196]\$,&[6.6371]\$,&[5.1961]\$,&[9.0205]\$,&[13.086]\$,&[10.394]\$,&[9.6637]\$,&[13.0  
32]\$,&[9.4366]\$,&[4.0359]\$  
&[4.8742]\$,&[5.675]\$,&[2.0058]\$,&[8.6369]\$,&[6.5063]\$,&[4.2742]\$,&[11.062]\$,&[10.72  
]\$,&[11.931]\$,&[7.1379]\$

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CH19B057

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.048915

&[3.225]\$,&[9.9361]\$,&[4.6536]\$,&[6.8696]\$,&[5.6999]\$,&[5.6031]\$,&[6.5172]\$,&[3.0123]\$,&[6.3908]\$,&[6.7179]\$  
&[12.475]\$,&[12.706]\$,&[12.433]\$,&[12.695]\$,&[10.521]\$,&[12.098]\$,&[7.9059]\$,&[9.2047]\$,&[12.999]\$,&[14.038]\$  
&[8.4773]\$,&[6.507]\$,&[9.2523]\$,&[5.8361]\$,&[7.6993]\$,&[6.0061]\$,&[7.4439]\$,&[4.8064]\$,&[3.688]\$,&[10.109]\$  
&[5.499]\$,&[9.8994]\$,&[4.5123]\$,&[4.9423]\$,&[6.3082]\$,&[5.5428]\$,&[1.0644]\$,&[2.7697]\$,&[8.0383]\$,&[6.5955]\$  
&[0.71864]\$,&[-3.8605]\$,&[2.0405]\$,&[4.271]\$,&[-0.099727]\$,&[3.2008]\$,&[-2.6935]\$,&[-1.534]\$,&[1.7391]\$,&[-3.4431]\$  
&[4.1569]\$,&[11.455]\$,&[6.2843]\$,&[8.7121]\$,&[5.2058]\$,&[1.7299]\$,&[10.307]\$,&[7.7848]\$,&[5.9517]\$,&[8.0632]\$  
&[12.159]\$,&[11.59]\$,&[7.3319]\$,&[13.545]\$,&[11.269]\$,&[6.1994]\$,&[9.6388]\$,&[7.6845]\$,&[6.9047]\$,&[12.279]\$  
&[5.7112]\$,&[4.9881]\$,&[6.1384]\$,&[6.7493]\$,&[4.6298]\$,&[8.4736]\$,&[7.6663]\$,&[5.8623]\$,&[7.7237]\$,&[6.4073]\$  
&[15.788]\$,&[13.556]\$,&[10.266]\$,&[19.339]\$,&[11.596]\$,&[14.882]\$,&[8.357]\$,&[14.387]\$,&[14.748]\$,&[12.636]\$  
&[7.8413]\$,&[9.0955]\$,&[7.6378]\$,&[8.6564]\$,&[7.704]\$,&[7.7073]\$,&[8.7402]\$,&[7.5643]\$,&[8.446]\$,&[8.3779]\$

CH19B059

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.037087

&[6.6737]\$,&[14.608]\$,&[6.1409]\$,&[6.2874]\$,&[6.6955]\$,&[10.901]\$,&[11.569]\$,&[9.9262]\$,&[10.502]\$,&[10.187]\$  
&[13.009]\$,&[12.745]\$,&[12.517]\$,&[12.347]\$,&[12.417]\$,&[14.117]\$,&[13.427]\$,&[14.057]\$,&[13.219]\$,&[12.66]\$  
&[-0.25636]\$,&[3.9263]\$,&[6.5486]\$,&[2.927]\$,&[4.6295]\$,&[5.9445]\$,&[2.3059]\$,&[5.9969]\$,&[3.5947]\$,&[4.6488]\$  
&[13.831]\$,&[12.698]\$,&[15.196]\$,&[14.531]\$,&[12.489]\$,&[14.216]\$,&[13.64]\$,&[14.628]\$,&[13.994]\$,&[14.886]\$  
&[12.708]\$,&[10.073]\$,&[5.5272]\$,&[7.2624]\$,&[12.146]\$,&[11.13]\$,&[13.042]\$,&[8.9117]\$,&[6.4488]\$,&[6.454]\$  
&[14.487]\$,&[15.047]\$,&[14.941]\$,&[14.05]\$,&[15.567]\$,&[13.503]\$,&[15.022]\$,&[14.063]\$,&[13.027]\$,&[13.286]\$  
&[11.003]\$,&[10.671]\$,&[14.474]\$,&[10.242]\$,&[12.094]\$,&[12.561]\$,&[12.397]\$,&[13.397]\$,&[12.168]\$,&[11.389]\$  
&[5.6793]\$,&[5.2254]\$,&[2.0887]\$,&[2.0192]\$,&[6.2899]\$,&[5.0826]\$,&[3.3373]\$,&[-0.48009]\$,&[2.3088]\$,&[-0.3267]\$  
&[6.3708]\$,&[5.3664]\$,&[5.4413]\$,&[5.5159]\$,&[6.1284]\$,&[6.2852]\$,&[5.7951]\$,&[5.6173]\$,&[5.7205]\$,&[5.8543]\$

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|[3.6516]\$,|[4.7084]\$,|[4.8105]\$,|[4.0789]\$,|[4.7642]\$,|[5.5218]\$,|[3.5399]\$,|[4.2288]\$,|[4.0988]\$,|[5.7086]\$

CH19B064

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.02199  
|[8.7158]\$,|[0.023732]\$,|[12.626]\$,|[12.432]\$,|[4.9131]\$,|[3.9639]\$,|[14.202]\$,|[-0.84798]\$,|[10.936]\$,|[7.4243]\$\n|[5.0202]\$,|[-0.73767]\$,|[10.448]\$,|[12.45]\$,|[11.988]\$,|[6.1538]\$,|[15.743]\$,|[7.0812]\$,|[9.4555]\$,|[7.3009]\$\n|[12.432]\$,|[5.9104]\$,|[11.824]\$,|[10.195]\$,|[8.9387]\$,|[2.9871]\$,|[16.888]\$,|[1.9574]\$,|[10.723]\$,|[7.5142]\$\n|[13.144]\$,|[4.3364]\$,|[11.645]\$,|[8.8844]\$,|[6.4693]\$,|[3.0437]\$,|[13.104]\$,|[4.9235]\$,|[9.1814]\$,|[7.1874]\$\n|[9.1397]\$,|[3.4766]\$,|[7.6254]\$,|[12.127]\$,|[3.5005]\$,|[-0.8911]\$,|[15.469]\$,|[2.8558]\$,|[9.0865]\$,|[6.9692]\$\n|[8.0894]\$,|[2.7126]\$,|[10.908]\$,|[9.3554]\$,|[5.1003]\$,|[2.397]\$,|[15.895]\$,|[3.1407]\$,|[10.765]\$,|[8.1426]\$\n|[10.108]\$,|[5.7032]\$,|[10.871]\$,|[9.3246]\$,|[-1.7963]\$,|[6.5026]\$,|[15.025]\$,|[5.0623]\$,|[10.137]\$,|[6.9425]\$\n|[7.0224]\$,|[2.9766]\$,|[10.583]\$,|[9.8093]\$,|[0.59884]\$,|[0.79016]\$,|[17.191]\$,|[4.5015]\$,|[10.209]\$,|[7.2121]\$\n|[4.2929]\$,|[2.7157]\$,|[13.128]\$,|[10.14]\$,|[2.8802]\$,|[6.243]\$,|[17.763]\$,|[1.7626]\$,|[10.772]\$,|[7.1374]\$\n|[9.4671]\$,|[1.8195]\$,|[9.5568]\$,|[11.133]\$,|[7.7784]\$,|[1.6601]\$,|[17.551]\$,|[2.3894]\$,|[12.586]\$,|[7.8787]\$

CH19B068

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.0057095  
|[13.662]\$,|[13.669]\$,|[11.32]\$,|[7.0223]\$,|[9.5075]\$,|[12.034]\$,|[8.2319]\$,|[13.582]\$,|[-0.49331]\$,|[8.8269]\$\n|[12.409]\$,|[9.438]\$,|[14.705]\$,|[0.78572]\$,|[8.5799]\$,|[12.304]\$,|[7.6292]\$,|[16.445]\$,|[-0.16253]\$,|[6.2715]\$\n|[12.772]\$,|[7.5169]\$,|[15.761]\$,|[5.7402]\$,|[9.5565]\$,|[14.478]\$,|[6.2758]\$,|[10.11]\$,|[2.3938]\$,|[11.138]\$\n|[12.007]\$,|[8.5455]\$,|[16.663]\$,|[7.9724]\$,|[8.7456]\$,|[12.974]\$,|[7.3654]\$,|[14.091]\$,|[-2.5657]\$,|[7.6121]\$\n|[13.443]\$,|[4.1693]\$,|[13.98]\$,|[4.3249]\$,|[8.9146]\$,|[14.683]\$,|[3.1758]\$,|[12.866]\$,|[3.0578]\$,|[8.0705]\$\n|[14.468]\$,|[4.6026]\$,|[12.259]\$,|[6.1512]\$,|[10.282]\$,|[12.647]\$,|[7.0459]\$,|[13.699]\$,|[4.0766]\$,|[9.5441]\$\n|[13.561]\$,|[5.4635]\$,|[13.574]\$,|[8.286]\$,|[9.318]\$,|[14.199]\$,|[6.3061]\$,|[14.809]\$,|[2.5488]\$,|[7.3149]\$\n|[14.037]\$,|[4.0887]\$,|[14.954]\$,|[3.908]\$,|[8.5386]\$,|[12.395]\$,|[6.8453]\$,|[13.38]\$,|[0.19419]\$,|[10.393]\$

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&[11.786]\$,&[10.72]\$,&[14.194]\$,&[1.9098]\$,&[9.5427]\$,&[14.325]\$,&[6.0869]\$,&[15.387]\$,&[2.1679]\$,&[9.2469]\$  
&[10.464]\$,&[9.0029]\$,&[15.609]\$,&[6.6193]\$,&[7.8914]\$,&[14.196]\$,&[7.8846]\$,&[12.196]\$,&[3.984]\$,&[11.633]\$

#### CH19B071

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.030483

&[7.0239]\$,&[6.6122]\$,&[6.0498]\$,&[-0.36667]\$,&[2.3268]\$,&[4.5838]\$,&[8.0003]\$,&[16.984]\$,&[2.3395]\$,&[5.1745]\$  
&[8.5244]\$,&[2.0938]\$,&[6.7816]\$,&[3.2646]\$,&[2.8116]\$,&[6.135]\$,&[3.2354]\$,&[13.826]\$,&[-3.2847]\$,&[4.4418]\$  
&[12.279]\$,&[6.7716]\$,&[6.9849]\$,&[2.111]\$,&[2.2174]\$,&[5.2336]\$,&[9.0105]\$,&[12.708]\$,&[4.3002]\$,&[4.8164]\$  
&[9.2365]\$,&[4.2594]\$,&[5.1285]\$,&[1.1279]\$,&[2.5552]\$,&[7.6113]\$,&[7.0841]\$,&[10.31]\$,&[1.5409]\$,&[6.1781]\$  
&[6.9011]\$,&[4.8309]\$,&[5.35]\$,&[3.4652]\$,&[2.1224]\$,&[9.9251]\$,&[5.1826]\$,&[14.299]\$,&[3.5958]\$,&[2.503]\$  
&[3.7291]\$,&[5.7026]\$,&[5.1955]\$,&[0.41282]\$,&[2.7141]\$,&[2.4939]\$,&[7.0201]\$,&[12.787]\$,&[0.81454]\$,&[7.4794]\$  
&[9.4703]\$,&[0.27108]\$,&[4.4269]\$,&[2.7037]\$,&[1.4186]\$,&[6.8298]\$,&[3.1589]\$,&[16.784]\$,&[2.069]\$,&[5.4818]\$  
&[8.1352]\$,&[9.0196]\$,&[5.9948]\$,&[4.1309]\$,&[2.9327]\$,&[8.4257]\$,&[3.943]\$,&[15.24]\$,&[0.81469]\$,&[6.5269]\$  
&[10.963]\$,&[4.0443]\$,&[7.5229]\$,&[6.8706]\$,&[3.0165]\$,&[9.1227]\$,&[4.5057]\$,&[13.201]\$,&[-1.0269]\$,&[7.3394]\$  
&[3.741]\$,&[3.3909]\$,&[6.5011]\$,&[6.3664]\$,&[3.89]\$,&[5.9731]\$,&[6.5695]\$,&[12.103]\$,&[-0.79857]\$,&[3.9846]\$

#### CH19B073

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.0063403

&[2.7529]\$,&[3.0089]\$,&[2.5461]\$,&[3.2412]\$,&[-3.9148]\$,&[3.3458]\$,&[6.826]\$,&[-4.5767]\$,&[0.89781]\$,&[-3.2142]\$  
&[10.817]\$,&[5.1414]\$,&[9.7692]\$,&[8.0685]\$,&[9.004]\$,&[7.9692]\$,&[2.9086]\$,&[9.4194]\$,&[4.2491]\$,&[4.5295]\$  
&[2.8497]\$,&[2.6018]\$,&[3.3905]\$,&[3.9205]\$,&[4.7743]\$,&[5.0432]\$,&[4.587]\$,&[2.9143]\$,&[3.3239]\$,&[1.0878]\$  
&[8.5658]\$,&[5.0535]\$,&[7.445]\$,&[6.568]\$,&[8.4288]\$,&[6.965]\$,&[5.9434]\$,&[1.226]\$,&[3.6938]\$,&[5.7972]\$  
&[12.943]\$,&[13.794]\$,&[13.751]\$,&[16.198]\$,&[13.029]\$,&[14.132]\$,&[16.653]\$,&[15.875]\$,&[12.742]\$,&[13.312]\$  
&[6.8768]\$,&[4.6015]\$,&[12.354]\$,&[4.2363]\$,&[3.2437]\$,&[8.5016]\$,&[6.9482]\$,&[4.3838]\$,&[3.5335]\$,&[7.4662]\$  
&[8.5624]\$,&[4.8366]\$,&[8.5285]\$,&[6.4339]\$,&[13.563]\$,&[3.5762]\$,&[11.241]\$,&[5.9372]\$,&[6.4353]\$,&[12.201]\$

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&[10.037]\$,&[9.9491]\$,&[9.0818]\$,&[8.8145]\$,&[8.9292]\$,&[9.3596]\$,&[9.5153]\$,&[10.1  
29]\$,&[9.9717]\$,&[9.857]\$  
&[12.331]\$,&[14.961]\$,&[7.0572]\$,&[12.026]\$,&[11.244]\$,&[7.4866]\$,&[10.566]\$,&[14.0  
23]\$,&[15.887]\$,&[12.063]\$  
&[1.9943]\$,&[5.2659]\$,&[3.2989]\$,&[2.5575]\$,&[0.23598]\$,&[3.561]\$,&[4.4895]\$,&[3.42  
67]\$,&[0.72708]\$,&[1.3375]\$

#### CH19B074

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.030286

&[11.948]\$,&[12.498]\$,&[6.1384]\$,&[10.219]\$,&[5.3998]\$,&[4.9615]\$,&[13.103]\$,&[9.15  
28]\$,&[2]\$,&[17.364]\$  
&[15.648]\$,&[8.5251]\$,&[6.6108]\$,&[11.333]\$,&[8.6195]\$,&[0.64258]\$,&[11.56]\$,&[7.18  
03]\$,&[3.0009]\$,&[16.98]\$  
&[8.5805]\$,&[12.509]\$,&[5.9411]\$,&[8.4276]\$,&[6.741]\$,&[5.939]\$,&[12.628]\$,&[6.2568  
]\$,&[3.9893]\$,&[16.272]\$  
&[8.8466]\$,&[12.26]\$,&[6.1849]\$,&[16.674]\$,&[6.765]\$,&[1.1299]\$,&[14.991]\$,&[6.674]  
\$,&[2.5468]\$,&[13.887]\$  
&[9.9077]\$,&[7.1082]\$,&[8.0288]\$,&[14.199]\$,&[10.032]\$,&[-1.8626]\$,&[10.835]\$,&[8.1  
498]\$,&[3.17]\$,&[12.554]\$  
&[7.1905]\$,&[10.001]\$,&[4.93]\$,&[11.521]\$,&[3.8538]\$,&[2.7625]\$,&[14.461]\$,&[2.7735  
]\$,&[3.8508]\$,&[12.939]\$  
&[10.955]\$,&[9.0386]\$,&[6.8249]\$,&[10.103]\$,&[4.4567]\$,&[2.8985]\$,&[11.685]\$,&[8.47  
59]\$,&[3.4291]\$,&[11.479]\$  
&[7.0195]\$,&[8.1543]\$,&[6.3077]\$,&[13.014]\$,&[0.41746]\$,&[2.3531]\$,&[11.485]\$,&[7.7  
774]\$,&[3.3034]\$,&[16.444]\$  
&[7.7299]\$,&[11.908]\$,&[6.8358]\$,&[9.6543]\$,&[5.2722]\$,&[4.5166]\$,&[10.957]\$,&[4.55  
06]\$,&[3.8488]\$,&[11.54]\$  
&[15.226]\$,&[7.0374]\$,&[4.7161]\$,&[11.602]\$,&[1.6526]\$,&[11.424]\$,&[14.621]\$,&[8.35  
72]\$,&[2.3728]\$,&[13.666]\$

#### CH19B076

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.024914

&[5.6946]\$,&[4.5974]\$,&[1.5734]\$,&[2.6124]\$,&[1.2806]\$,&[-0.93645]\$,&[2.9311]\$,&[5.  
4222]\$,&[7.8567]\$,&[1.8377]\$  
&[4.3571]\$,&[10.437]\$,&[8.1682]\$,&[5.4929]\$,&[9.1179]\$,&[3.9906]\$,&[6.5595]\$,&[11.7  
3]\$,&[10.964]\$,&[6.7382]\$  
&[8.5857]\$,&[12.612]\$,&[11.574]\$,&[12.142]\$,&[12.491]\$,&[11.917]\$,&[10.754]\$,&[13.5  
22]\$,&[11.805]\$,&[11.657]\$  
&[15.119]\$,&[14.164]\$,&[16.129]\$,&[12.982]\$,&[12.923]\$,&[9.634]\$,&[12.708]\$,&[15.64  
8]\$,&[14.622]\$,&[13.531]\$  
&[11.867]\$,&[13.609]\$,&[10.732]\$,&[12.632]\$,&[12.758]\$,&[14.832]\$,&[11.533]\$,&[12.8  
19]\$,&[11.73]\$,&[9.4723]\$  
&[11.796]\$,&[13.884]\$,&[13.75]\$,&[10.847]\$,&[12.045]\$,&[10.696]\$,&[11.516]\$,&[12.1]  
\$,&[10.389]\$,&[12.868]\$

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|[5.8073]\$,|[5.1535]\$,|[5.1341]\$,|[5.7691]\$,|[5.6944]\$,|[6.3914]\$,|[6.2063]\$,|[3.6746]\$,|[5.5689]\$,|[6.591]\$\n|[10.528]\$,|[11.468]\$,|[11.42]\$,|[9.4054]\$,|[8.8241]\$,|[10.299]\$,|[8.2144]\$,|[10.087]\$,|[9.8764]\$,|[10.487]\$\n|[13.419]\$,|[13.021]\$,|[13.937]\$,|[13.375]\$,|[10.575]\$,|[13.45]\$,|[13.94]\$,|[14.21]\$,|[18.521]\$,|[12.309]\$\n|[4.4673]\$,|[4.2701]\$,|[-0.64909]\$,|[6.7264]\$,|[1.0372]\$,|[4.3314]\$,|[4.6084]\$,|[4.5622]\$,|[0.40682]\$,|[2.1274]\$\n

#### CH19B080

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.049729

|[4.6757]\$,|[6.8296]\$,|[1.1623]\$,|[-0.48439]\$,|[-0.37255]\$,|[1.2091]\$,|[4.2213]\$,|[6.0184]\$,|[1.6035]\$,|[9.5348]\$\n|[7.2628]\$,|[12.433]\$,|[13.077]\$,|[7.8676]\$,|[8.6813]\$,|[9.0543]\$,|[6.563]\$,|[10.905]\$,|[12.152]\$,|[7.9011]\$\n|[11.354]\$,|[11.172]\$,|[11.821]\$,|[12.541]\$,|[8.7258]\$,|[8.379]\$,|[7.7709]\$,|[10.431]\$,|[10.764]\$,|[12.432]\$\n|[9.1401]\$,|[9.4805]\$,|[9.4714]\$,|[11.022]\$,|[9.8977]\$,|[8.9372]\$,|[11.342]\$,|[12.915]\$,|[8.4813]\$,|[9.0555]\$\n|[11.015]\$,|[10.286]\$,|[9.3815]\$,|[10.596]\$,|[6.0585]\$,|[8.4753]\$,|[8.7247]\$,|[9.983]\$,|[15.573]\$,|[8.3957]\$\n|[14.833]\$,|[14.848]\$,|[14.9]\$,|[14.891]\$,|[14.495]\$,|[14.931]\$,|[14.586]\$,|[14.833]\$,|[14.588]\$,|[14.543]\$\n|[10.152]\$,|[11.996]\$,|[9.9399]\$,|[12.01]\$,|[14.545]\$,|[12.678]\$,|[10.859]\$,|[7.9651]\$,|[11.018]\$,|[11.378]\$\n|[6.4947]\$,|[11.481]\$,|[10.72]\$,|[6.9528]\$,|[14.44]\$,|[9.9128]\$,|[13.844]\$,|[7.8855]\$,|[8.8216]\$,|[7.3208]\$\n|[4.0443]\$,|[2.4779]\$,|[2.4772]\$,|[3.5202]\$,|[4.2732]\$,|[3.0023]\$,|[1.8374]\$,|[3.8182]\$,|[2.9445]\$,|[3.8109]\$\n|[5.2673]\$,|[3.8871]\$,|[3.5868]\$,|[3.6732]\$,|[6.0439]\$,|[4.4374]\$,|[3.3011]\$,|[1.3028]\$,|[1.9766]\$,|[-0.013601]\$\n

#### CH19B083

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.045694

|[11.517]\$,|[6.3506]\$,|[9.7852]\$,|[9.2459]\$,|[7.5893]\$,|[9.9384]\$,|[10.669]\$,|[9.6847]\$,|[9.5774]\$,|[8.44]\$\n|[3.441]\$,|[3.1135]\$,|[0.27582]\$,|[4.8935]\$,|[4.7847]\$,|[5.7058]\$,|[4.2233]\$,|[6.5406]\$,|[4.2123]\$,|[5.0012]\$\n|[9.9629]\$,|[11.819]\$,|[9.1567]\$,|[8.4062]\$,|[7.872]\$,|[8.9276]\$,|[7.0626]\$,|[8.838]\$,|[8.9893]\$,|[9.8122]\$\n|[12.293]\$,|[14.982]\$,|[13.64]\$,|[13.051]\$,|[13.309]\$,|[14.271]\$,|[7.5851]\$,|[9.7547]\$,|[14.014]\$,|[10.534]\$\n|[0.7434]\$,|[1.9259]\$,|[4.1842]\$,|[5.3973]\$,|[3.6006]\$,|[0.45235]\$,|[7.5696]\$,|[7.7109]\$,|[12.492]\$,|[8.6855]\$\n

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&[6.8226]\$,&[5.8878]\$,&[5.0927]\$,&[4.2987]\$,&[1.2261]\$,&[1.3463]\$,&[7.6804]\$,&[2.33  
39]\$,&[0.63496]\$,&[4.7677]\$  
&[5.5586]\$,&[6.2744]\$,&[7.5811]\$,&[0.59369]\$,&[7.656]\$,&[0.1787]\$,&[8.6413]\$,&[3.86  
05]\$,&[4.1323]\$,&[5.139]\$  
&[11.532]\$,&[10.825]\$,&[11.539]\$,&[14.197]\$,&[16.725]\$,&[12.986]\$,&[15.954]\$,&[9.58  
3]\$,&[14.633]\$,&[10.884]\$  
&[2.6677]\$,&[-4.2375]\$,&[4.6352]\$,&[3.9223]\$,&[3.5398]\$,&[6.2805]\$,&[-0.69816]\$,&[4  
.253]\$,&[0.49973]\$,&[7.0711]\$  
&[10.99]\$,&[9.6295]\$,&[10.594]\$,&[10.289]\$,&[10.557]\$,&[10.356]\$,&[10.412]\$,&[10.91  
8]\$,&[10.051]\$,&[10.818]\$

#### CH19B084

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.023701

&[7.3938]\$,&[5.8066]\$,&[7.6683]\$,&[7.4267]\$,&[7.8343]\$,&[6.0977]\$,&[4.8571]\$,&[6.70  
3]\$,&[10.649]\$,&[11.259]\$  
&[4.9238]\$,&[4.219]\$,&[4.6433]\$,&[4.6774]\$,&[3.4377]\$,&[6.6269]\$,&[3.5406]\$,&[6.319  
]\$,&[5.7474]\$,&[6.9697]\$  
&[10.264]\$,&[8.3173]\$,&[9.9953]\$,&[3.4638]\$,&[5.9286]\$,&[8.897]\$,&[10.155]\$,&[5.449  
8]\$,&[8.9982]\$,&[6.5273]\$  
&[6.8171]\$,&[7.161]\$,&[14.672]\$,&[10.821]\$,&[8.1324]\$,&[8.3574]\$,&[7.6287]\$,&[6.776  
2]\$,&[9.9831]\$,&[10.163]\$  
&[13.818]\$,&[13.042]\$,&[12.634]\$,&[11.221]\$,&[18.594]\$,&[11.937]\$,&[17.851]\$,&[17.3  
89]\$,&[14.623]\$,&[17.224]\$  
&[6.8771]\$,&[5.5059]\$,&[5.7923]\$,&[5.1922]\$,&[6.9846]\$,&[7.0021]\$,&[5.6439]\$,&[5.14  
58]\$,&[6.7454]\$,&[6.8041]\$  
&[5.8691]\$,&[3.2223]\$,&[4.1688]\$,&[6.2526]\$,&[4.9543]\$,&[4.5638]\$,&[5.65]\$,&[6.1645  
]\$,&[5.1544]\$,&[5.1772]\$  
&[9.1606]\$,&[10.074]\$,&[11.835]\$,&[9.4067]\$,&[8.3336]\$,&[10.206]\$,&[10.015]\$,&[9.24  
6]\$,&[9.2397]\$,&[10.208]\$  
&[14.592]\$,&[14.99]\$,&[12.948]\$,&[13.285]\$,&[13.816]\$,&[14.032]\$,&[13.626]\$,&[16.42  
9]\$,&[10.494]\$,&[9.1555]\$  
&[8.6557]\$,&[6.1812]\$,&[10.571]\$,&[10.74]\$,&[12.005]\$,&[11.971]\$,&[11.664]\$,&[5.887  
3]\$,&[14.938]\$,&[8.0964]\$

#### CH19B088

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.011427

&[10.642]\$,&[9.9812]\$,&[10.666]\$,&[10.032]\$,&[10.845]\$,&[10.016]\$,&[10.183]\$,&[9.79  
64]\$,&[9.1388]\$,&[10.565]\$  
&[12.526]\$,&[15.087]\$,&[16.553]\$,&[10.877]\$,&[17.442]\$,&[15.921]\$,&[16.08]\$,&[14.04  
4]\$,&[16.325]\$,&[12.476]\$  
&[7.4911]\$,&[9.5032]\$,&[10.756]\$,&[6.7146]\$,&[7.5425]\$,&[6.3009]\$,&[8.9484]\$,&[9.78  
65]\$,&[8.2105]\$,&[6.5058]\$  
&[5.9143]\$,&[4.5289]\$,&[6.3535]\$,&[6.0121]\$,&[4.8789]\$,&[5.9357]\$,&[5.2113]\$,&[6.84  
2]\$,&[6.9422]\$,&[6.7476]\$

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&[-3.7597]\$,&[-0.33514]\$,&[6.5468]\$,&[2.0915]\$,&[8.9918]\$,&[9.8943]\$,&[5.0597]\$,&[6.7899]\$,&[-2.7839]\$,&[6.757]\$\&[10.169]\$,&[5.9203]\$,&[3.2175]\$,&[8.4843]\$,&[5.0703]\$,&[8.8899]\$,&[6.2007]\$,&[8.3439]\$,&[6.3416]\$,&[4.8985]\$\&[9.459]\$,&[8.153]\$,&[6.1702]\$,&[8.9443]\$,&[9.1552]\$,&[9.0932]\$,&[9.2797]\$,&[9.4666]\$,&[10.073]\$,&[9.6139]\$\&[7.1408]\$,&[1.0909]\$,&[1.8377]\$,&[8.47]\$,&[4.1974]\$,&[4.9461]\$,&[-3.7796]\$,&[4.2545]\$,&[4.304]\$,&[1.5657]\$\&[18.254]\$,&[15.065]\$,&[14.896]\$,&[13.906]\$,&[17.046]\$,&[14.73]\$,&[15.79]\$,&[18.764]\$,&[11.672]\$,&[12.541]\$\&[4.5429]\$,&[3.4469]\$,&[3.129]\$,&[4.7885]\$,&[3.6049]\$,&[5.326]\$,&[4.37]\$,&[5.5814]\$,&[5.2635]\$,&[6.081]\$\&[6.081]\$\&[6.081]

#### CH19B091

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.030593

&[1.3533]\$,&[-0.26011]\$,&[2.2826]\$,&[5.6244]\$,&[-0.80127]\$,&[2.4452]\$,&[3.5147]\$,&[-0.69573]\$,&[6.3129]\$,&[0.49689]\$\&[7.7729]\$,&[7.9891]\$,&[7.7395]\$,&[7.7716]\$,&[9.1793]\$,&[7.5863]\$,&[7.1602]\$,&[7.44]\$,&[7.4543]\$,&[8.462]\$\&[2.7144]\$,&[2.1524]\$,&[1.9055]\$,&[3.1386]\$,&[1.3626]\$,&[4.9189]\$,&[-0.69136]\$,&[0.66577]\$,&[6.3123]\$,&[7.133]\$\&[9.3542]\$,&[11.509]\$,&[11.711]\$,&[11.154]\$,&[12.793]\$,&[9.9963]\$,&[8.7442]\$,&[12.591]\$,&[12.927]\$,&[13.409]\$\&[16.734]\$,&[17.807]\$,&[14.227]\$,&[13.616]\$,&[12.954]\$,&[18.194]\$,&[14.352]\$,&[16.067]\$,&[13.369]\$,&[15.451]\$\&[8.9219]\$,&[11.95]\$,&[8.4057]\$,&[9.7695]\$,&[8.9218]\$,&[7.6246]\$,&[8.2522]\$,&[13.194]\$,&[7.5955]\$,&[5.7755]\$\&[12.618]\$,&[13.519]\$,&[11.637]\$,&[12.817]\$,&[13.35]\$,&[12.36]\$,&[12.024]\$,&[12.264]\$,&[12.83]\$,&[12.817]\$\&[12.111]\$,&[5.6603]\$,&[6.7522]\$,&[12.194]\$,&[7.0512]\$,&[9.164]\$,&[12.308]\$,&[11.727]\$,&[4.1781]\$,&[7.6424]\$\&[5.8258]\$,&[5.6228]\$,&[10.439]\$,&[4.1382]\$,&[11.03]\$,&[6.7221]\$,&[2.0105]\$,&[4.1417]\$,&[3.2253]\$,&[4.7118]\$\&[2.5803]\$,&[2.1569]\$,&[9.0683]\$,&[4.6738]\$,&[5.55]\$,&[8.9814]\$,&[4.6591]\$,&[3.5505]\$,&[2.9653]\$,&[5.6105]\$\&[5.6105]

#### CH19B092

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.04906

&[3.5963]\$,&[17.235]\$,&[3.3752]\$,&[3.1699]\$,&[13.472]\$,&[10.371]\$,&[9.5492]\$,&[8.4513]\$,&[14.455]\$,&[0.083591]\$\&[5.2012]\$,&[11.898]\$,&[-0.54602]\$,&[1.634]\$,&[9.5301]\$,&[-0.025694]\$,&[9.8384]\$,&[8.7387]\$,&[7.5245]\$,&[1.4022]\$\&[3.9682]\$,&[14.065]\$,&[8.7887]\$,&[3.3948]\$,&[5.652]\$,&[4.6261]\$,&[15.343]\$,&[12.935]\$,&[8.0701]\$,&[2.1213]

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&[3.9686]\$,&[8.9174]\$,&[2.6486]\$,&[6.1793]\$,&[7.6345]\$,&[-0.69076]\$,&[13.639]\$,&[13.594]\$,&[8.2378]\$,&[3.3141]\$  
&[4.783]\$,&[13.783]\$,&[3.1022]\$,&[6.4343]\$,&[5.5521]\$,&[4.4553]\$,&[15.265]\$,&[10.381]\$,&[5.6712]\$,&[2.1104]\$  
&[3.435]\$,&[14.428]\$,&[6.1247]\$,&[4.9645]\$,&[7.304]\$,&[-0.37532]\$,&[13.755]\$,&[11.371]\$,&[10.185]\$,&[3.1269]\$  
&[2.5953]\$,&[12.559]\$,&[6.519]\$,&[4.2413]\$,&[9.6172]\$,&[2.1916]\$,&[9.2718]\$,&[15.588]\$,&[12.073]\$,&[2.6838]\$  
&[3.7377]\$,&[14.328]\$,&[3.0215]\$,&[4.723]\$,&[9.0229]\$,&[4.578]\$,&[9.9284]\$,&[14.462]\$,&[11.168]\$,&[3.1161]\$  
&[4.1769]\$,&[13.239]\$,&[6.7728]\$,&[3.3736]\$,&[10.209]\$,&[2.365]\$,&[10.166]\$,&[15.51]\$,&[7.8304]\$,&[1.5025]\$  
&[3.4945]\$,&[18.277]\$,&[4.9324]\$,&[3.278]\$,&[14.355]\$,&[-1.4162]\$,&[7.9897]\$,&[10.492]\$,&[9.8617]\$,&[3.2325]\$

#### CH19B093

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.032805

&[15.628]\$,&[3.9227]\$,&[2.927]\$,&[16.344]\$,&[5.7396]\$,&[-0.70094]\$,&[5.0411]\$,&[9.8798]\$,&[10.551]\$,&[6.3556]\$  
&[16.809]\$,&[3.5615]\$,&[2.9014]\$,&[18.092]\$,&[5.6907]\$,&[4.5855]\$,&[6.5341]\$,&[7.2452]\$,&[2.5573]\$,&[1.7118]\$  
&[11.571]\$,&[6.4488]\$,&[3.044]\$,&[9.1055]\$,&[3.9721]\$,&[4.7861]\$,&[5.6546]\$,&[13.398]\$,&[6.5132]\$,&[3.7222]\$  
&[17.198]\$,&[2.4452]\$,&[2.643]\$,&[12.257]\$,&[4.3822]\$,&[0.56052]\$,&[3.9044]\$,&[14.051]\$,&[5.4249]\$,&[6.3292]\$  
&[17.611]\$,&[1.9716]\$,&[1.6786]\$,&[12.561]\$,&[6.6761]\$,&[1.5795]\$,&[5.3538]\$,&[11.96]\$,&[11.947]\$,&[5.7129]\$  
&[17.452]\$,&[3.655]\$,&[1.5572]\$,&[10.15]\$,&[-4.4852]\$,&[3.7798]\$,&[5.7612]\$,&[16.473]\$,&[2.9024]\$,&[3.3148]\$  
&[12.808]\$,&[1.5112]\$,&[3.412]\$,&[12.422]\$,&[2.8248]\$,&[4.199]\$,&[5.4252]\$,&[15.53]\$,&[6.6378]\$,&[5.934]\$  
&[15.561]\$,&[6.2897]\$,&[3.0002]\$,&[14.684]\$,&[1.9849]\$,&[4.6104]\$,&[5.1978]\$,&[15.295]\$,&[9.2467]\$,&[2.6173]\$  
&[13.533]\$,&[1.8469]\$,&[3.9486]\$,&[10.411]\$,&[2.1515]\$,&[3.9817]\$,&[5.6356]\$,&[14.323]\$,&[9.7304]\$,&[6.13]\$  
&[19.904]\$,&[4.7982]\$,&[1.3284]\$,&[16.745]\$,&[0.54024]\$,&[2.5974]\$,&[4.8149]\$,&[13.128]\$,&[4.2434]\$,&[4.0514]\$

#### CH19B098

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.022404

&[6.7099]\$,&[5.3486]\$,&[5.1448]\$,&[6.1854]\$,&[-0.24392]\$,&[6.7319]\$,&[-0.55008]\$,&[2.7824]\$,&[9.0939]\$,&[6.0732]\$  
&[1.4968]\$,&[2.9503]\$,&[0.48824]\$,&[7.4232]\$,&[2.3646]\$,&[2.3153]\$,&[0.82129]\$,&[-2.2271]\$,&[0.26447]\$,&[2.7667]\$

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&[4.8998]\$,&[6.6232]\$,&[6.7464]\$,&[6.277]\$,&[6.5516]\$,&[5.2902]\$,&[6.7811]\$,&[6.5364]\$,&[5.3016]\$,&[7.0684]\$  
&[8.5543]\$,&[7.0295]\$,&[6.6778]\$,&[6.1547]\$,&[8.4115]\$,&[9.1882]\$,&[6.0779]\$,&[6.8047]\$,&[5.9914]\$,&[6.8592]\$  
&[11.409]\$,&[10.555]\$,&[12.985]\$,&[17.902]\$,&[13.727]\$,&[11.054]\$,&[10.643]\$,&[13.524]\$,&[13.66]\$,&[14.364]\$  
&[7.2498]\$,&[6.4384]\$,&[7.5456]\$,&[7.4947]\$,&[7.0952]\$,&[8.0007]\$,&[6.7206]\$,&[7.6745]\$,&[7.3827]\$,&[7.4477]\$  
&[4.5777]\$,&[2.5708]\$,&[7.1045]\$,&[4.5977]\$,&[2.7931]\$,&[2.6721]\$,&[2.9876]\$,&[5.0716]\$,&[4.0273]\$,&[4.3924]\$  
&[14.836]\$,&[11.465]\$,&[14.411]\$,&[12.346]\$,&[17.357]\$,&[13.354]\$,&[15.513]\$,&[16.578]\$,&[13.36]\$,&[15.184]\$  
&[13.759]\$,&[12.992]\$,&[13.434]\$,&[15.038]\$,&[15.812]\$,&[13.919]\$,&[14.086]\$,&[14.688]\$,&[14.771]\$,&[13.767]\$  
&[11.646]\$,&[11.474]\$,&[10.561]\$,&[11.004]\$,&[11.607]\$,&[12.928]\$,&[10.506]\$,&[11.502]\$,&[11.242]\$,&[11.993]\$

#### CH20B005

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0092918  
&[2.379]\$,&[3.5181]\$,&[8.5313]\$,&[8.4378]\$,&[4.1747]\$,&[2.3012]\$,&[6.2524]\$,&[6.9689]\$,&[6.6714]\$,&[5.8484]\$  
&[3.0912]\$,&[5.7376]\$,&[3.6248]\$,&[4.8724]\$,&[6.4334]\$,&[4.5589]\$,&[4.3823]\$,&[1.43]\$,&[3.6807]\$,&[4.711]\$  
&[7.893]\$,&[2.5392]\$,&[2.8204]\$,&[3.0185]\$,&[2.9922]\$,&[4.8875]\$,&[4.8459]\$,&[3.5715]\$,&[1.578]\$,&[4.5797]\$  
&[3.7447]\$,&[6.1852]\$,&[3.9761]\$,&[7.8204]\$,&[6.1969]\$,&[6.2499]\$,&[6.8738]\$,&[7.8634]\$,&[3.4797]\$,&[6.8814]\$  
&[14.579]\$,&[9.3191]\$,&[9.2121]\$,&[13.498]\$,&[12.107]\$,&[17.034]\$,&[15.484]\$,&[11.833]\$,&[13.151]\$,&[14.484]\$  
&[0.91674]\$,&[1.7302]\$,&[0.24223]\$,&[2.4492]\$,&[2.5757]\$,&[2.1114]\$,&[2.2753]\$,&[1.9351]\$,&[2.5427]\$,&[0.85949]\$  
&[6.8906]\$,&[3.0924]\$,&[5.3307]\$,&[4.735]\$,&[3.9533]\$,&[3.6935]\$,&[4.2326]\$,&[3.6461]\$,&[4.5255]\$,&[4.3871]\$  
&[2.117]\$,&[1.8124]\$,&[3.4768]\$,&[4.1382]\$,&[1.1827]\$,&[3.0848]\$,&[2.1073]\$,&[1.4729]\$,&[3.7565]\$,&[4.081]\$  
&[8.9324]\$,&[9.6742]\$,&[7.2686]\$,&[9.5329]\$,&[10.01]\$,&[7.9375]\$,&[8.3575]\$,&[6.1213]\$,&[8.02]\$,&[11.301]\$  
&[7.9936]\$,&[12.22]\$,&[10.917]\$,&[13.268]\$,&[12.587]\$,&[10.764]\$,&[12.151]\$,&[7.8671]\$,&[9.9684]\$,&[9.786]\$

#### CH20B013

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.032244  
&[14.004]\$,&[11.495]\$,&[10.67]\$,&[2.3765]\$,&[12.457]\$,&[9.138]\$,&[6.7317]\$,&[11.586]\$,&[7.3645]\$,&[9.3902]\$

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$\&[12.527]\$$ , $\&[12.958]\$$ , $\&[10.871]\$$ , $\&[4.3104]\$$ , $\&[12.585]\$$ , $\&[8.7096]\$$ , $\&[8.3707]\$$ , $\&[8.8276]\$$ , $\&[5.4859]\$$ , $\&[11.342]\$$   
 $\&[12.604]\$$ , $\&[12.437]\$$ , $\&[8.6311]\$$ , $\&[6.4464]\$$ , $\&[15.37]\$$ , $\&[8.4269]\$$ , $\&[8.5966]\$$ , $\&[9.7485]\$$ , $\&[7.0842]\$$ , $\&[9.5165]\$$   
 $\&[12.463]\$$ , $\&[13.554]\$$ , $\&[7.2682]\$$ , $\&[11.315]\$$ , $\&[7.1682]\$$ , $\&[8.1137]\$$ , $\&[8.483]\$$ , $\&[10.504]\$$ , $\&[3.9287]\$$ , $\&[10.463]\$$   
 $\&[11.118]\$$ , $\&[8.7893]\$$ , $\&[8.1035]\$$ , $\&[1.5393]\$$ , $\&[12.477]\$$ , $\&[9.8392]\$$ , $\&[8.805]\$$ , $\&[11.394]\$$ , $\&[6.2213]\$$ , $\&[7.4154]\$$   
 $\&[11.622]\$$ , $\&[12.32]\$$ , $\&[9.0604]\$$ , $\&[4.3581]\$$ , $\&[12.223]\$$ , $\&[9.6411]\$$ , $\&[8.8135]\$$ , $\&[10.967]\$$ , $\&[9.4932]\$$ , $\&[11.57]\$$   
 $\&[12.951]\$$ , $\&[10.254]\$$ , $\&[11.757]\$$ , $\&[7.0621]\$$ , $\&[11.806]\$$ , $\&[8.8699]\$$ , $\&[7.6566]\$$ , $\&[9.9472]\$$ , $\&[5.545]\$$ , $\&[10.869]\$$   
 $\&[14.015]\$$ , $\&[15.445]\$$ , $\&[10.717]\$$ , $\&[6.313]\$$ , $\&[14.631]\$$ , $\&[9.7683]\$$ , $\&[8.9059]\$$ , $\&[9.0366]\$$ , $\&[3.7217]\$$ , $\&[11.458]\$$   
 $\&[13.407]\$$ , $\&[12.946]\$$ , $\&[8.7601]\$$ , $\&[6.3959]\$$ , $\&[11.929]\$$ , $\&[10.055]\$$ , $\&[8.3577]\$$ , $\&[10.71]\$$ , $\&[7.4075]\$$ , $\&[7.5425]\$$   
 $\&[15.762]\$$ , $\&[12.874]\$$ , $\&[9.2792]\$$ , $\&[7.0365]\$$ , $\&[13.789]\$$ , $\&[7.9442]\$$ , $\&[9.8428]\$$ , $\&[7.1072]\$$ , $\&[11.126]\$$ , $\&[11.253]\$$

#### CH20B032

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.044086

$\&[13.69]\$$ , $\&[4.6685]\$$ , $\&[7.8407]\$$ , $\&[-0.082058]\$$ , $\&[4.6261]\$$ , $\&[4.8333]\$$ , $\&[14.038]\$$ , $\&[10.54]\$$ , $\&[10.873]\$$ , $\&[9.1584]\$$   
 $\&[15.515]\$$ , $\&[5.9471]\$$ , $\&[5.8282]\$$ , $\&[3.5007]\$$ , $\&[3.7852]\$$ , $\&[9.2824]\$$ , $\&[10.839]\$$ , $\&[10.55]\$$ , $\&[14.984]\$$ , $\&[13.581]\$$   
 $\&[13.449]\$$ , $\&[4.8993]\$$ , $\&[7.4425]\$$ , $\&[7.7992]\$$ , $\&[3.8213]\$$ , $\&[6.3847]\$$ , $\&[13.472]\$$ , $\&[9.8884]\$$ , $\&[8.7941]\$$ , $\&[15.606]\$$   
 $\&[14.452]\$$ , $\&[4.6449]\$$ , $\&[7.0219]\$$ , $\&[6.9026]\$$ , $\&[7.9527]\$$ , $\&[5.0136]\$$ , $\&[13.373]\$$ , $\&[10.306]\$$ , $\&[8.3708]\$$ , $\&[13.503]\$$   
 $\&[14.791]\$$ , $\&[3.4888]\$$ , $\&[2.2869]\$$ , $\&[5.4088]\$$ , $\&[4.4578]\$$ , $\&[7.5357]\$$ , $\&[9.3134]\$$ , $\&[10.338]\$$ , $\&[10.593]\$$ , $\&[9.5173]\$$   
 $\&[14.506]\$$ , $\&[3.9209]\$$ , $\&[7.0261]\$$ , $\&[5.1638]\$$ , $\&[3.823]\$$ , $\&[7.0236]\$$ , $\&[13.256]\$$ , $\&[11.959]\$$ , $\&[12.355]\$$ , $\&[12.635]\$$   
 $\&[14.766]\$$ , $\&[6.0135]\$$ , $\&[11.277]\$$ , $\&[3.2702]\$$ , $\&[4.2283]\$$ , $\&[3.3246]\$$ , $\&[11.46]\$$ , $\&[7.9237]\$$ , $\&[14.36]\$$ , $\&[11.261]\$$   
 $\&[15.488]\$$ , $\&[5.697]\$$ , $\&[7.6487]\$$ , $\&[1.2327]\$$ , $\&[0.12577]\$$ , $\&[5.7158]\$$ , $\&[14.585]\$$ , $\&[10.846]\$$ , $\&[13.931]\$$ , $\&[11.935]\$$   
 $\&[13.288]\$$ , $\&[1.4124]\$$ , $\&[10.774]\$$ , $\&[3.5901]\$$ , $\&[3.6842]\$$ , $\&[4.8467]\$$ , $\&[8.1558]\$$ , $\&[10.477]\$$ , $\&[7.5259]\$$ , $\&[13.861]\$$   
 $\&[14.517]\$$ , $\&[2.5342]\$$ , $\&[3.5042]\$$ , $\&[6.1535]\$$ , $\&[5.2344]\$$ , $\&[7.6657]\$$ , $\&[11.367]\$$ , $\&[9.4444]\$$ , $\&[10.375]\$$ , $\&[10.848]\$$

#### CH20B046

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.036426

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&[10.634]\$,&[10.672]\$,&[10.715]\$,&[8.2057]\$,&[7.8402]\$,&[3.4274]\$,&[11.108]\$,&[8.65  
17]\$,&[12.286]\$,&[9.2353]\$  
&[9.3056]\$,&[9.8553]\$,&[9.4962]\$,&[8.8718]\$,&[9.6506]\$,&[5.7835]\$,&[11.081]\$,&[10.6  
35]\$,&[8.7]\$,&[7.901]\$  
&[3.3565]\$,&[5.7798]\$,&[1.8897]\$,&[1.4465]\$,&[5.1459]\$,&[6.4878]\$,&[5.7799]\$,&[2.04  
08]\$,&[7.8186]\$,&[6.1438]\$  
&[12.857]\$,&[14.164]\$,&[11.334]\$,&[10.582]\$,&[11.555]\$,&[7.9178]\$,&[5.3497]\$,&[10.8  
68]\$,&[7.4328]\$,&[6.6813]\$  
&[9.0279]\$,&[3.3567]\$,&[11.73]\$,&[3.3116]\$,&[7.0657]\$,&[4.0094]\$,&[12.4]\$,&[6.595]\$  
,&[8.0366]\$,&[12.674]\$  
&[13.135]\$,&[16.435]\$,&[13.83]\$,&[10.984]\$,&[13.263]\$,&[9.4748]\$,&[16.407]\$,&[11.53  
1]\$,&[15.102]\$,&[16.341]\$  
&[10.213]\$,&[9.5228]\$,&[8.3211]\$,&[9.4157]\$,&[9.5491]\$,&[10.728]\$,&[11.433]\$,&[8.55  
63]\$,&[10.971]\$,&[8.5453]\$  
&[2.9069]\$,&[6.363]\$,&[6.1623]\$,&[4.3889]\$,&[5.5006]\$,&[5.8538]\$,&[4.4313]\$,&[5.889  
3]\$,&[6.1927]\$,&[4.9767]\$  
&[10.845]\$,&[13.128]\$,&[15.251]\$,&[13.487]\$,&[8.2543]\$,&[16.7]\$,&[12.693]\$,&[13.52]  
\$,,&[15.782]\$,&[12.711]\$  
&[10.736]\$,&[14.005]\$,&[12.86]\$,&[13.421]\$,&[15.501]\$,&[13.302]\$,&[11.155]\$,&[12.85  
8]\$,&[13.794]\$,&[13.483]\$

#### CH20B070

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.042583

&[7.8211]\$,&[3.5438]\$,&[16.266]\$,&[13.058]\$,&[12.006]\$,&[2.5935]\$,&[6.3795]\$,&[8.26  
27]\$,&[8.0616]\$,&[6.0557]\$  
&[8.0193]\$,&[7.699]\$,&[10.507]\$,&[13.34]\$,&[10.021]\$,&[4.8172]\$,&[10.095]\$,&[9.7493  
]\$,&[9.2332]\$,&[6.0596]\$  
&[7.674]\$,&[7.4798]\$,&[14.027]\$,&[13.304]\$,&[12.451]\$,&[1.9749]\$,&[11.385]\$,&[7.581  
7]\$,&[12.848]\$,&[6.1704]\$  
&[7.0782]\$,&[7.5525]\$,&[16.46]\$,&[15.92]\$,&[11.856]\$,&[-1.7968]\$,&[8.9104]\$,&[9.314  
8]\$,&[17.981]\$,&[6.3765]\$  
&[8.0097]\$,&[6.7115]\$,&[10.197]\$,&[14.112]\$,&[7.7508]\$,&[3.1613]\$,&[8.3168]\$,&[8.08  
62]\$,&[15.173]\$,&[8.2063]\$  
&[8.186]\$,&[7.5771]\$,&[11.263]\$,&[14.97]\$,&[14.019]\$,&[-0.5683]\$,&[10.422]\$,&[9.679  
5]\$,&[14.719]\$,&[10.662]\$  
&[6.5006]\$,&[6.0813]\$,&[17.539]\$,&[16.684]\$,&[13.071]\$,&[-4.7153]\$,&[9.1555]\$,&[7.2  
942]\$,&[12.465]\$,&[6.272]\$  
&[7.5262]\$,&[4.3141]\$,&[16.533]\$,&[15.509]\$,&[12.761]\$,&[-0.18071]\$,&[11.151]\$,&[10  
.884]\$,&[9.7396]\$,&[12.603]\$  
&[8.0407]\$,&[6.4092]\$,&[14.002]\$,&[13.59]\$,&[8.5077]\$,&[2.892]\$,&[9.2512]\$,&[9.5133  
]\$,&[13.425]\$,&[4.0697]\$  
&[7.3897]\$,&[5.541]\$,&[12.782]\$,&[15.421]\$,&[13.576]\$,&[5.1508]\$,&[10.524]\$,&[9.709  
1]\$,&[12.638]\$,&[7.2215]\$

#### CH20B073

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ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.032557

&[10.339]\$,&[6.1431]\$,&[0.86702]\$,&[0.52268]\$,&[2.6925]\$,&[5.2063]\$,&[6.5003]\$,&[0.66614]\$,&[3.2562]\$,&[5.1626]\$  
&[14.963]\$,&[8.8046]\$,&[2.7991]\$,&[5.4934]\$,&[2.7204]\$,&[5.8448]\$,&[6.9051]\$,&[5.0719]\$,&[4.6461]\$,&[6.7602]\$  
&[12.216]\$,&[7.7582]\$,&[2.586]\$,&[8.7924]\$,&[-0.24356]\$,&[4.0997]\$,&[3.7369]\$,&[4.6196]\$,&[2.819]\$,&[7.5994]\$  
&[9.6526]\$,&[7.3151]\$,&[2.1288]\$,&[2.8222]\$,&[4.0125]\$,&[2.8456]\$,&[6.9798]\$,&[4.5163]\$,&[4.6905]\$,&[3.7891]\$  
&[13.54]\$,&[6.9925]\$,&[2.7053]\$,&[2.2951]\$,&[-0.57912]\$,&[4.8064]\$,&[7.7736]\$,&[4.2996]\$,&[5.1408]\$,&[7.013]\$  
&[9.9514]\$,&[5.2147]\$,&[2.3558]\$,&[5.198]\$,&[0.86893]\$,&[2.57]\$,&[6.3953]\$,&[5.6126]\$,&[2.7654]\$,&[4.9607]\$  
&[9.7066]\$,&[9.0637]\$,&[1.891]\$,&[2.1527]\$,&[2.6977]\$,&[-2.192]\$,&[7.6576]\$,&[7.8901]\$,&[3.7333]\$,&[7.9301]\$  
&[17.549]\$,&[1.368]\$,&[2.2303]\$,&[6.4141]\$,&[2.4214]\$,&[2.5431]\$,&[6.8905]\$,&[-0.37516]\$,&[4.1869]\$,&[7.174]\$  
&[13.022]\$,&[8.3211]\$,&[2.5859]\$,&[4.378]\$,&[0.58784]\$,&[4.3103]\$,&[8.1145]\$,&[10.285]\$,&[3.9986]\$,&[8.2322]\$  
&[14.413]\$,&[6.2144]\$,&[2.4603]\$,&[2.543]\$,&[4.5955]\$,&[2.5573]\$,&[8.2839]\$,&[9.0721]\$,&[3.9799]\$,&[4.6376]\$

#### CH20B080

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.011116

&[14.06]\$,&[9.1701]\$,&[12.53]\$,&[14.435]\$,&[8.7036]\$,&[13.525]\$,&[11.926]\$,&[15.017]\$,&[13.527]\$,&[12.201]\$  
&[19.272]\$,&[14.141]\$,&[22.952]\$,&[9.9677]\$,&[5.9464]\$,&[17.337]\$,&[9.6367]\$,&[10.873]\$,&[15.238]\$,&[15.534]\$  
&[7.1246]\$,&[6.9532]\$,&[6.9807]\$,&[6.1473]\$,&[7.6088]\$,&[5.4979]\$,&[6.3263]\$,&[7.4168]\$,&[8.2549]\$,&[7.0363]\$  
&[13.196]\$,&[9.0249]\$,&[12.563]\$,&[7.7258]\$,&[6.4413]\$,&[13.705]\$,&[6.0287]\$,&[10.001]\$,&[10.587]\$,&[7.7997]\$  
&[6.9289]\$,&[4.1572]\$,&[8.5656]\$,&[-0.12589]\$,&[3.318]\$,&[7.6688]\$,&[7.5009]\$,&[2.0864]\$,&[7.4662]\$,&[4.699]\$  
&[11.55]\$,&[11.441]\$,&[12.899]\$,&[13.6]\$,&[12.113]\$,&[13.228]\$,&[13.021]\$,&[10.504]\$,&[12.89]\$,&[13.377]\$  
&[7.1282]\$,&[4.5449]\$,&[7.7878]\$,&[3.1327]\$,&[5.5464]\$,&[4.9988]\$,&[6.7454]\$,&[7.4521]\$,&[5.5261]\$,&[7.5035]\$  
&[9.9763]\$,&[10.444]\$,&[10.174]\$,&[11.704]\$,&[9.8033]\$,&[8.4287]\$,&[14.366]\$,&[10.166]\$,&[8.6413]\$,&[14.132]\$  
&[5.0247]\$,&[6.5928]\$,&[6.8753]\$,&[3.3803]\$,&[0.37023]\$,&[5.5015]\$,&[6.7344]\$,&[3.9304]\$,&[2.3646]\$,&[5.3159]\$  
&[13.038]\$,&[11.503]\$,&[15.57]\$,&[13.868]\$,&[11.347]\$,&[12.972]\$,&[14.587]\$,&[8.928]\$,&[7.5357]\$,&[11.244]\$

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CH20B116

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.028609

&[5.9875]\$,&[8.4838]\$,&[14.27]\$,&[9.2896]\$,&[4.1997]\$,&[12.456]\$,&[5.1064]\$,&[9.3003]\$,&[9.7173]\$,&[9.4415]\$  
&[11.486]\$,&[14.123]\$,&[11.758]\$,&[14.602]\$,&[13.005]\$,&[12.881]\$,&[13.085]\$,&[13.29]\$,&[14.093]\$,&[14.535]\$  
&[12.78]\$,&[9.1058]\$,&[7.9109]\$,&[10.693]\$,&[13.664]\$,&[7.6908]\$,&[9.587]\$,&[13.749]\$,&[12.01]\$,&[10.187]\$  
&[9.3258]\$,&[10.391]\$,&[10.063]\$,&[10.773]\$,&[10.208]\$,&[6.999]\$,&[3.7247]\$,&[8.215]\$,&[12.286]\$,&[12.55]\$  
&[-0.030937]\$,&[1.6014]\$,&[0.73677]\$,&[0.89991]\$,&[3.3932]\$,&[3.2803]\$,&[0.77324]\$,  
&[4.6613]\$,&[3.5746]\$,&[-0.99632]\$  
&[11.679]\$,&[17.518]\$,&[12.556]\$,&[14.402]\$,&[16.011]\$,&[17.589]\$,&[15.847]\$,&[15.507]\$,&[16.119]\$,&[12.935]\$  
&[7.2311]\$,&[7.7025]\$,&[5.5482]\$,&[6.8191]\$,&[7.9412]\$,&[7.5316]\$,&[0.80709]\$,&[5.4964]\$,&[10.994]\$,&[5.9924]\$  
&[11.242]\$,&[7.2804]\$,&[12.399]\$,&[3.2643]\$,&[9.0992]\$,&[9.1785]\$,&[8.219]\$,&[12.835]\$,&[13.219]\$,&[11.886]\$  
&[13.71]\$,&[13.696]\$,&[13.666]\$,&[13.502]\$,&[12.845]\$,&[14.418]\$,&[14.77]\$,&[13.736]\$,&[14.209]\$,&[14.338]\$  
&[13.057]\$,&[14.502]\$,&[12.008]\$,&[11.817]\$,&[13.32]\$,&[10.016]\$,&[14.773]\$,&[9.4093]\$,&[11.427]\$,&[13.458]\$

CS17B115

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.035869

&[2.7067]\$,&[0.24287]\$,&[6.048]\$,&[3.271]\$,&[4.6082]\$,&[2.6288]\$,&[1.1877]\$,&[4.7733]\$,&[3.0265]\$,&[3.8461]\$  
&[7.6579]\$,&[6.7696]\$,&[4.7836]\$,&[9.0525]\$,&[13.787]\$,&[7.8658]\$,&[12.889]\$,&[8.2807]\$,&[11.664]\$,&[11.615]\$  
&[6.9997]\$,&[5.2155]\$,&[2.3925]\$,&[5.019]\$,&[9.0675]\$,&[6.4721]\$,&[0.43935]\$,&[2.0854]\$,&[3.8252]\$,&[3.3214]\$  
&[12.352]\$,&[10.455]\$,&[7.4825]\$,&[11.651]\$,&[14.027]\$,&[13.785]\$,&[18.578]\$,&[11]\$,  
&[10.563]\$,&[6.4951]\$  
&[4.4429]\$,&[4.3684]\$,&[7.4269]\$,&[2.8457]\$,&[1.4453]\$,&[0.59191]\$,&[3.3478]\$,&[-0.001377]\$,&[3.08]\$,&[-1.3019]\$  
&[11.893]\$,&[11.485]\$,&[12.008]\$,&[12.139]\$,&[12.558]\$,&[11.485]\$,&[12.063]\$,&[11.475]\$,&[11.417]\$,&[12.52]\$  
&[6.5596]\$,&[4.0015]\$,&[4.7909]\$,&[1.9207]\$,&[5.377]\$,&[3.6383]\$,&[2.9472]\$,&[8.1066]\$,&[4.4368]\$,&[7.4875]\$  
&[5.0716]\$,&[9.504]\$,&[8.1269]\$,&[7.2314]\$,&[5.446]\$,&[8.1426]\$,&[3.7875]\$,&[5.0019]\$,&[4.6902]\$,&[5.4642]\$  
&[5.3342]\$,&[3.7066]\$,&[5.1985]\$,&[6.8513]\$,&[7.9679]\$,&[5.5018]\$,&[6.8239]\$,&[5.7187]\$,&[5.9035]\$,&[4.33]\$  
&[8.0487]\$,&[15.588]\$,&[12.336]\$,&[13.452]\$,&[10.401]\$,&[11.689]\$,&[15.314]\$,&[11.8

55]\$,&[13.392]\$,&[12.956]\$

## CS18B027

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.029128

&[5.322]\$,&[0.66355]\$,&[3.0353]\$,&[4.1076]\$,&[13.999]\$,&[16.173]\$,&[2.3453]\$,&[5.2057]\$,&[7.0406]\$,&[11.769]\$  
&[6.5451]\$,&[2.6089]\$,&[5.5214]\$,&[8.303]\$,&[10.181]\$,&[8.5837]\$,&[7.4811]\$,&[3.2776]\$,&[1.3253]\$,&[12.947]\$  
&[5.9521]\$,&[5.5151]\$,&[1.349]\$,&[7.158]\$,&[15.569]\$,&[15.141]\$,&[5.4581]\$,&[8.1232]\$,&[4.7406]\$,&[9.1732]\$  
&[5.5665]\$,&[3.1354]\$,&[6.492]\$,&[7.6421]\$,&[12.995]\$,&[13.536]\$,&[5.3068]\$,&[2.6238]\$,&[2.5984]\$,&[11.124]\$  
&[6.0965]\$,&[1.0564]\$,&[1.2649]\$,&[3.233]\$,&[8.2971]\$,&[12.172]\$,&[6.7534]\$,&[2.6301]\$,&[3.4742]\$,&[10.309]\$  
&[4.7862]\$,&[6.9476]\$,&[2.8008]\$,&[3.6338]\$,&[12.29]\$,&[11.541]\$,&[-0.91562]\$,&[0.90946]\$,&[2.1541]\$,&[12.653]\$  
&[6.2962]\$,&[6.4632]\$,&[1.6774]\$,&[3.4391]\$,&[9.0115]\$,&[10.686]\$,&[4.9061]\$,&[4.0645]\$,&[1.8802]\$,&[12.012]\$  
&[7.1667]\$,&[0.83976]\$,&[1.1874]\$,&[3.419]\$,&[10.323]\$,&[15.497]\$,&[-0.22089]\$,&[11.035]\$,&[3.5372]\$,&[8.9534]\$  
&[6.8355]\$,&[-0.49472]\$,&[4.8069]\$,&[5.3904]\$,&[12.276]\$,&[14.592]\$,&[-2.08]\$,&[0.4458]\$,&[5.0315]\$,&[12.96]\$  
&[6.3854]\$,&[6.5609]\$,&[2.9118]\$,&[9.1404]\$,&[11.709]\$,&[8.7072]\$,&[6.7215]\$,&[7.5734]\$,&[7.9762]\$,&[10.029]\$

## CS18B028

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.043681

&[4.8621]\$,&[5.3108]\$,&[5.8467]\$,&[6.4833]\$,&[3.521]\$,&[3.8506]\$,&[3.1579]\$,&[3.9776]\$,&[4.0475]\$,&[2.6833]\$  
&[8.8226]\$,&[7.9921]\$,&[10.479]\$,&[13.227]\$,&[10.388]\$,&[8.0556]\$,&[9.3596]\$,&[9.8432]\$,&[9.4096]\$,&[13.721]\$  
&[6.5545]\$,&[8.3854]\$,&[5.2596]\$,&[7.4632]\$,&[10.841]\$,&[4.0796]\$,&[4.8434]\$,&[10.521]\$,&[9.4896]\$,&[10.316]\$  
&[4.8564]\$,&[6.6188]\$,&[9.0229]\$,&[11.587]\$,&[13.074]\$,&[7.6294]\$,&[10.573]\$,&[9.6294]\$,&[7.27]\$,&[10.063]\$  
&[5.1973]\$,&[4.8373]\$,&[7.2914]\$,&[6.175]\$,&[9.2545]\$,&[6.2316]\$,&[2.9645]\$,&[9.3679]\$,&[9.6701]\$,&[11.305]\$  
&[6.9048]\$,&[9.4161]\$,&[10.028]\$,&[8.1971]\$,&[14.513]\$,&[11.391]\$,&[12.813]\$,&[10.142]\$,&[6.9041]\$,&[9.3174]\$  
&[1.4156]\$,&[1.8816]\$,&[5.8371]\$,&[2.5894]\$,&[2.5355]\$,&[6.287]\$,&[2.73]\$,&[3.5182]\$,\$&[-0.86797]\$,&[3.29]\$  
&[10.305]\$,&[6.6331]\$,&[13.175]\$,&[12.218]\$,&[13.732]\$,&[8.2011]\$,&[10.306]\$,&[8.6939]\$,&[8.0548]\$,&[9.1888]\$  
&[2.9535]\$,&[1.9424]\$,&[5.9027]\$,&[6.4575]\$,&[2.6451]\$,&[6.122]\$,&[3.5346]\$,&[9.684]

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1]\$,&[-0.14624]\$,&[4.0879]\$  
&[14.452]\$,&[17.549]\$,&[13.992]\$,&[14.931]\$,&[13.75]\$,&[8.3657]\$,&[12.605]\$,&[14.75  
7]\$,&[16.07]\$,&[13.201]\$

#### CS18B038

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.014149

&[5.6332]\$,&[4.6407]\$,&[3.4557]\$,&[6.2471]\$,&[5.1444]\$,&[4.5193]\$,&[4.7909]\$,&[6.61  
94]\$,&[7.4864]\$,&[2.9256]\$  
&[6.9795]\$,&[5.4027]\$,&[1.8515]\$,&[3.5644]\$,&[1.2836]\$,&[3.0823]\$,&[1.9396]\$,&[0.32  
019]\$,&[3.3707]\$,&[5.2751]\$  
&[12.142]\$,&[9.6512]\$,&[11.475]\$,&[10.013]\$,&[9.4508]\$,&[13.757]\$,&[10.757]\$,&[12.1  
74]\$,&[10.191]\$,&[8.5487]\$  
&[3.9949]\$,&[1.2467]\$,&[4.9746]\$,&[7.4827]\$,&[7.1237]\$,&[6.1103]\$,&[6.4886]\$,&[0.90  
957]\$,&[2.6447]\$,&[3.7777]\$  
&[2.5457]\$,&[1.9113]\$,&[5.5507]\$,&[0.97895]\$,&[3.8256]\$,&[5.4919]\$,&[5.4203]\$,&[0.7  
7151]\$,&[3.5447]\$,&[2.2862]\$  
&[3.0882]\$,&[0.18617]\$,&[2.8126]\$,&[2.2282]\$,&[2.3746]\$,&[3.38]\$,&[2.0368]\$,&[4.043  
5]\$,&[2.4368]\$,&[4.2531]\$  
&[14.32]\$,&[12.399]\$,&[13.288]\$,&[11.862]\$,&[12.344]\$,&[14.862]\$,&[15.703]\$,&[17.02  
3]\$,&[14.786]\$,&[15.588]\$  
&[1.8376]\$,&[3.6525]\$,&[7.631]\$,&[7.5887]\$,&[2.1414]\$,&[6.7541]\$,&[5.0393]\$,&[4.296  
2]\$,&[6.4022]\$,&[7.7715]\$  
&[11.908]\$,&[11.802]\$,&[14.671]\$,&[14.334]\$,&[15.076]\$,&[12.116]\$,&[11.759]\$,&[15.1  
29]\$,&[11.583]\$,&[13.178]\$  
&[14.37]\$,&[14.299]\$,&[14.697]\$,&[15.882]\$,&[15.428]\$,&[13.285]\$,&[14.361]\$,&[15.14  
5]\$,&[14.177]\$,&[14.899]\$

#### CS18B043

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.0053421

&[1.9897]\$,&[2.9626]\$,&[2.9691]\$,&[1.4413]\$,&[2.3631]\$,&[0.49864]\$,&[4.5952]\$,&[4.9  
651]\$,&[2.6222]\$,&[4.2479]\$  
&[11.626]\$,&[13.072]\$,&[9.8531]\$,&[9.6825]\$,&[11.978]\$,&[10.769]\$,&[14.128]\$,&[11.9  
57]\$,&[12.562]\$,&[14.411]\$  
&[4.5179]\$,&[4.0164]\$,&[2.4833]\$,&[1.7082]\$,&[2.4058]\$,&[2.0379]\$,&[2.7329]\$,&[5.43  
49]\$,&[1.4513]\$,&[2.2664]\$  
&[8.0118]\$,&[13.849]\$,&[6.8329]\$,&[8.1203]\$,&[8.1248]\$,&[9.8197]\$,&[6.6271]\$,&[8.61  
15]\$,&[8.561]\$,&[9.4241]\$  
&[9.5637]\$,&[3.2994]\$,&[6.8398]\$,&[4.6967]\$,&[9.184]\$,&[1.3569]\$,&[5.3664]\$,&[8.397  
2]\$,&[2.6228]\$,&[9.221]\$  
&[4.781]\$,&[6.9825]\$,&[7.8186]\$,&[8.5815]\$,&[8.293]\$,&[5.7909]\$,&[7.5859]\$,&[5.5974  
]\$,&[5.5912]\$,&[6.8111]\$  
&[8.8508]\$,&[10.286]\$,&[7.7178]\$,&[9.1328]\$,&[8.2723]\$,&[9.4171]\$,&[7.9502]\$,&[4.40  
73]\$,&[5.8553]\$,&[7.8577]\$  
&[7.7424]\$,&[9.5282]\$,&[0.20644]\$,&[2.5282]\$,&[2.9179]\$,&[0.74188]\$,&[2.5105]\$,&[0.

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90125]\$,&[1.6319]\$,&[-0.25914]\$  
&[-0.0164]\$,&[7.384]\$,&[5.3535]\$,&[2.1649]\$,&[3.4172]\$,&[2.2229]\$,&[3.9521]\$,&[4.27  
96]\$,&[4.5205]\$,&[3.7537]\$  
&[2.1108]\$,&[4.6667]\$,&[5.9085]\$,&[4.4838]\$,&[7.8922]\$,&[4.788]\$,&[4.25]\$,&[0.84172  
]\$,&[-0.66663]\$,&[5.2666]\$

#### CS18B046

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.040006

&[14.225]\$,&[14.387]\$,&[16.575]\$,&[15.896]\$,&[13.701]\$,&[13.906]\$,&[16.686]\$,&[14.4  
44]\$,&[13.396]\$,&[16.087]\$  
&[3.2433]\$,&[3.2094]\$,&[3.5262]\$,&[4.5401]\$,&[5.4551]\$,&[4.5811]\$,&[4.4902]\$,&[4.05  
73]\$,&[4.7382]\$,&[5.4029]\$  
&[3.642]\$,&[2.2221]\$,&[3.2568]\$,&[6.4493]\$,&[5.3737]\$,&[9.6517]\$,&[4.3861]\$,&[9.685  
]\$,&[4.1096]\$,&[7.2468]\$  
&[6.0412]\$,&[5.6583]\$,&[8.398]\$,&[6.8079]\$,&[7.5878]\$,&[8.5289]\$,&[3.9908]\$,&[9.932  
6]\$,&[3.9061]\$,&[5.4141]\$  
&[9.118]\$,&[9.2037]\$,&[10.011]\$,&[6.6632]\$,&[6.4128]\$,&[8.9046]\$,&[7.8826]\$,&[8.762  
6]\$,&[8.7756]\$,&[7.2362]\$  
&[9.899]\$,&[4.0358]\$,&[2.5873]\$,&[7.3112]\$,&[3.9715]\$,&[3.131]\$,&[14.299]\$,&[11.015  
]\$,&[2.0034]\$,&[4.9629]\$  
&[3.7721]\$,&[3.0496]\$,&[3.4848]\$,&[2.5507]\$,&[8.905]\$,&[4.6292]\$,&[6.5622]\$,&[0.203  
11]\$,&[5.4702]\$,&[7.651]\$  
&[2.0213]\$,&[1.5574]\$,&[2.9179]\$,&[1.4827]\$,&[3.4407]\$,&[6.9349]\$,&[1.671]\$,&[2.939  
6]\$,&[4.5997]\$,&[3.6217]\$  
&[8.7682]\$,&[4.0399]\$,&[3.784]\$,&[9.7679]\$,&[5.3147]\$,&[5.6249]\$,&[4.8227]\$,&[7.607  
4]\$,&[3.7757]\$,&[4.9914]\$  
&[5.9163]\$,&[3.8781]\$,&[8.1613]\$,&[9.6512]\$,&[3.208]\$,&[6.631]\$,&[6.792]\$,&[4.1651]  
]\$,&[6.3426]\$,&[7.4192]\$

#### CS18B048

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.020682

&[14.206]\$,&[9.731]\$,&[2.9949]\$,&[14.114]\$,&[13.331]\$,&[13.8]\$,&[9.9745]\$,&[0.39927  
]\$,&[17.889]\$,&[13.896]\$  
&[14.281]\$,&[7.5823]\$,&[10.698]\$,&[19.414]\$,&[15.816]\$,&[10.064]\$,&[10.67]\$,&[4.400  
3]\$,&[11.068]\$,&[13.344]\$  
&[15.093]\$,&[10.113]\$,&[9.0196]\$,&[17.5]\$,&[12.751]\$,&[8.9165]\$,&[8.5005]\$,&[6.6392  
]\$,&[11.587]\$,&[13.614]\$  
&[15.514]\$,&[6.6826]\$,&[9.5682]\$,&[14.275]\$,&[14.13]\$,&[13.333]\$,&[11.578]\$,&[3.973  
]\$,&[10.177]\$,&[14.643]\$  
&[14.179]\$,&[12.112]\$,&[13.765]\$,&[15.937]\$,&[16.323]\$,&[11.489]\$,&[11.452]\$,&[2.19  
04]\$,&[18.227]\$,&[13.536]\$  
&[14.74]\$,&[12.654]\$,&[6.2666]\$,&[16.723]\$,&[14.366]\$,&[13.653]\$,&[10.287]\$,&[12.41  
5]\$,&[10.19]\$,&[14.579]\$  
&[15.379]\$,&[6.3974]\$,&[4.9378]\$,&[13.948]\$,&[14.494]\$,&[11.155]\$,&[11.376]\$,&[5.10

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98]\$,&[17.034]\$,&[11.48]\$  
&[14.134]\$,&[17.195]\$,&[9.6282]\$,&[14.114]\$,&[13.952]\$,&[18.84]\$,&[11.565]\$,&[2.415  
4]\$,&[12.392]\$,&[13.921]\$\n&[14.584]\$,&[8.1368]\$,&[4.344]\$,&[14.055]\$,&[12.709]\$,&[8.5975]\$,&[12.735]\$,&[7.671  
2]\$,&[11.465]\$,&[13.929]\$\n&[13.561]\$,&[9.1353]\$,&[5.0758]\$,&[10.162]\$,&[12.39]\$,&[9.7884]\$,&[9.188]\$,&[7.3432  
]\$,&[12.771]\$,&[15.039]\$

CS18B053

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.033602  
&[8.676]\$,&[8.3443]\$,&[7.3925]\$,&[8.7145]\$,&[4.4895]\$,&[6.212]\$,&[6.9313]\$,&[3.8788  
]\$,&[5.3805]\$,&[4.0222]\$\n&[8.3085]\$,&[2.2924]\$,&[3.1961]\$,&[2.9091]\$,&[4.6446]\$,&[4.1427]\$,&[5.2412]\$,&[2.87  
02]\$,&[3.4663]\$,&[7.8639]\$\n&[13.263]\$,&[12.303]\$,&[8.3046]\$,&[8.7968]\$,&[13.109]\$,&[8.8495]\$,&[13.323]\$,&[13.0  
25]\$,&[14.836]\$,&[11.916]\$\n&[13.707]\$,&[13.022]\$,&[12.249]\$,&[15.761]\$,&[12.302]\$,&[12.322]\$,&[13.607]\$,&[12.5  
79]\$,&[14.856]\$,&[13.418]\$\n&[7.4281]\$,&[10.457]\$,&[11.094]\$,&[10.397]\$,&[8.2099]\$,&[8.5042]\$,&[13.019]\$,&[9.65  
36]\$,&[7.7738]\$,&[5.717]\$\n&[7.1097]\$,&[8.6976]\$,&[10.465]\$,&[6.2708]\$,&[10.676]\$,&[6.6568]\$,&[9.7825]\$,&[10.4  
75]\$,&[9.5448]\$,&[2.7355]\$\n&[8.1051]\$,&[10.49]\$,&[8.1842]\$,&[11.62]\$,&[11.085]\$,&[12.312]\$,&[11.027]\$,&[10.551  
]\$,&[10.476]\$,&[7.0907]\$\n&[14.791]\$,&[12.987]\$,&[9.4649]\$,&[17.059]\$,&[13.762]\$,&[11.178]\$,&[15.975]\$,&[11.2  
06]\$,&[14.367]\$,&[19.366]\$\n&[15.832]\$,&[11.705]\$,&[16.067]\$,&[17.536]\$,&[14.895]\$,&[20.579]\$,&[13.119]\$,&[13.6  
34]\$,&[11.471]\$,&[13.268]\$\n&[14.944]\$,&[13.528]\$,&[12.07]\$,&[14.754]\$,&[12.091]\$,&[13.355]\$,&[12.807]\$,&[10.53  
6]\$,&[15.278]\$,&[12.555]\$

CS18B055

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.026617  
&[8.5236]\$,&[7.4147]\$,&[7.628]\$,&[7.926]\$,&[7.4292]\$,&[8.1257]\$,&[8.044]\$,&[7.9943  
]\$,&[8.5663]\$,&[7.4608]\$\n&[13.434]\$,&[11.335]\$,&[15.493]\$,&[14.039]\$,&[15.875]\$,&[13.01]\$,&[11.818]\$,&[11.67  
9]\$,&[11.936]\$,&[10.238]\$\n&[8.7733]\$,&[9.8713]\$,&[11.619]\$,&[10.727]\$,&[11.242]\$,&[9.3479]\$,&[11.829]\$,&[10.2  
32]\$,&[9.1777]\$,&[11.373]\$\n&[6.3001]\$,&[8.8647]\$,&[6.8121]\$,&[5.1793]\$,&[5.2183]\$,&[5.5131]\$,&[6.9264]\$,&[6.89  
14]\$,&[5.0709]\$,&[7.5442]\$\n&[15.764]\$,&[7.8901]\$,&[16.21]\$,&[13.529]\$,&[20.868]\$,&[8.9673]\$,&[17.616]\$,&[17.12  
1]\$,&[15.791]\$,&[16.753]\$\n&[7.331]\$,&[6.22]\$,&[7.4672]\$,&[6.9936]\$,&[6.4449]\$,&[6.7018]\$,&[8.6454]\$,&[6.6689]

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\$, &[7.6581]\$, &[8.283]\$  
&[7.6557]\$, &[3.3513]\$, &[7.8791]\$, &[3.0238]\$, &[10.658]\$, &[10.342]\$, &[-0.53439]\$, &[4.9594]\$, &[5.01]\$, &[6.2454]\$  
&[5.4188]\$, &[4.5116]\$, &[5.8345]\$, &[2.3277]\$, &[5.5877]\$, &[7.9452]\$, &[5.0482]\$, &[7.5274]\$, &[5.1178]\$, &[6.5642]\$  
&[6.1479]\$, &[5.4145]\$, &[7.3345]\$, &[6.2261]\$, &[6.0026]\$, &[5.0238]\$, &[4.6995]\$, &[5.6656]\$, &[5.4134]\$, &[4.9757]\$  
&[7.3506]\$, &[7.1496]\$, &[7.3287]\$, &[7.1603]\$, &[7.2929]\$, &[7.2909]\$, &[7.132]\$, &[7.0793]\$, &[7.3037]\$, &[7.0898]\$

CS19B025

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0061941  
&[8.1916]\$, &[2.858]\$, &[13.731]\$, &[11.671]\$, &[8.2517]\$, &[7.3401]\$, &[2.0163]\$, &[8.8789]\$, &[0.67888]\$, &[5.7782]\$  
&[6.1456]\$, &[0.27309]\$, &[15.121]\$, &[3.5889]\$, &[6.7297]\$, &[6.2592]\$, &[1.405]\$, &[8.7911]\$, &[7.6687]\$, &[0.093433]\$  
&[2.3293]\$, &[4.8852]\$, &[14.905]\$, &[13.064]\$, &[8.2842]\$, &[5.3535]\$, &[3.4246]\$, &[7.6732]\$, &[6.6639]\$, &[3.9714]\$  
&[-0.32423]\$, &[-1.6457]\$, &[10.836]\$, &[11.322]\$, &[5.2399]\$, &[10.972]\$, &[0.78435]\$, &[9.3068]\$, &[6.8751]\$, &[3.0635]\$  
&[5.7114]\$, &[-0.34033]\$, &[10.64]\$, &[5.3514]\$, &[5.393]\$, &[10.029]\$, &[3.392]\$, &[8.8498]\$, &[1.9584]\$, &[0.13954]\$  
&[4.5591]\$, &[6.0994]\$, &[14.599]\$, &[9.7163]\$, &[3.2522]\$, &[6.8522]\$, &[1.8366]\$, &[9.7867]\$, &[4.1286]\$, &[8.6925]\$  
&[6.0854]\$, &[4.4184]\$, &[12.264]\$, &[10.336]\$, &[4.6331]\$, &[8.0343]\$, &[1.673]\$, &[9.1954]\$, &[5.7166]\$, &[-2.7343]\$  
&[2.9839]\$, &[1.4681]\$, &[14.512]\$, &[8.3379]\$, &[12.558]\$, &[7.053]\$, &[2.8586]\$, &[8.5789]\$, &[-0.12398]\$, &[2.9635]\$  
&[3.3608]\$, &[3.5471]\$, &[10.575]\$, &[8.6468]\$, &[6.4553]\$, &[6.8433]\$, &[2.4856]\$, &[10.337]\$, &[6.861]\$, &[2.1223]\$  
&[3.1953]\$, &[5.5463]\$, &[12.92]\$, &[10.681]\$, &[7.7343]\$, &[11.982]\$, &[1.9689]\$, &[7.3765]\$, &[0.85682]\$, &[8.0814]\$

CS19B072

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0020441  
&[12.831]\$, &[11.244]\$, &[-1.4257]\$, &[4.9455]\$, &[0.23399]\$, &[9.1907]\$, &[6.627]\$, &[15.766]\$, &[12.702]\$, &[9.9792]\$  
&[5.9589]\$, &[11.004]\$, &[6.1515]\$, &[3.0283]\$, &[2.011]\$, &[9.7463]\$, &[6.4065]\$, &[12.539]\$, &[10.775]\$, &[10.581]\$  
&[6.1903]\$, &[11.019]\$, &[3.5092]\$, &[2.324]\$, &[4.4074]\$, &[14.766]\$, &[7.1102]\$, &[23.099]\$, &[10.661]\$, &[5.3268]\$  
&[0.90698]\$, &[11.063]\$, &[3.6047]\$, &[2.3814]\$, &[3.1253]\$, &[11.814]\$, &[8.1893]\$, &[13.27]\$, &[10.406]\$, &[7.7731]\$  
&[2.3896]\$, &[11.034]\$, &[0.65876]\$, &[3.5981]\$, &[2.6296]\$, &[7.0032]\$, &[5.0138]\$, &[15.

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751]\$,&[9.5697]\$,&[5.638]\$  
&[4.6824]\$,&[11.137]\$,&[0.3769]\$,&[4.4411]\$,&[5.0498]\$,&[8.952]\$,&[4.2251]\$,&[15.82  
6]\$,&[10.191]\$,&[7.7091]\$  
&[0.61279]\$,&[11.019]\$,&[4.5269]\$,&[2.3894]\$,&[2.2305]\$,&[8.8736]\$,&[9.5546]\$,&[12.  
829]\$,&[12.381]\$,&[7.2518]\$  
&[9.7163]\$,&[11.107]\$,&[-1.7474]\$,&[4.5549]\$,&[2.8312]\$,&[8.2985]\$,&[5.655]\$,&[11.1  
01]\$,&[8.7215]\$,&[9.0697]\$  
&[6.6857]\$,&[11.161]\$,&[1.9892]\$,&[2.5434]\$,&[4.2831]\$,&[10.413]\$,&[7.5763]\$,&[12.0  
31]\$,&[10.813]\$,&[7.6083]\$  
&[2.3136]\$,&[11.012]\$,&[1.2426]\$,&[4.3051]\$,&[1.816]\$,&[10.716]\$,&[7.2036]\$,&[6.156  
3]\$,&[12.679]\$,&[8.6524]\$

ED17B016

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.049417

&[11.211]\$,&[11.78]\$,&[8.7587]\$,&[12.672]\$,&[11.649]\$,&[12.301]\$,&[11.554]\$,&[9.982  
4]\$,&[9.958]\$,&[11.759]\$  
&[3.076]\$,&[9.2401]\$,&[5.0868]\$,&[7.1244]\$,&[4.9761]\$,&[5.8553]\$,&[8.8382]\$,&[5.452  
5]\$,&[7.5285]\$,&[4.2364]\$  
&[8.2072]\$,&[10.593]\$,&[8.2049]\$,&[10.416]\$,&[3.0555]\$,&[5.0433]\$,&[12.602]\$,&[7.76  
02]\$,&[8.6418]\$,&[8.2309]\$  
&[4.7931]\$,&[-0.070166]\$,&[4.7239]\$,&[4.3668]\$,&[3.0135]\$,&[2.2797]\$,&[7.7192]\$,&[3  
.4278]\$,&[7.7037]\$,&[0.11055]\$  
&[17.319]\$,&[14.251]\$,&[14.128]\$,&[16.368]\$,&[15.542]\$,&[14.29]\$,&[13.874]\$,&[11.06  
8]\$,&[9.5254]\$,&[15.282]\$  
&[10.497]\$,&[10.353]\$,&[9.074]\$,&[9.8441]\$,&[10.312]\$,&[13.318]\$,&[14.705]\$,&[9.426  
]\$,&[18.921]\$,&[6.316]\$  
&[4.7933]\$,&[6.845]\$,&[5.9937]\$,&[2.144]\$,&[7.6912]\$,&[5.5049]\$,&[3.3852]\$,&[6.0508  
]\$,&[8.5014]\$,&[6.8129]\$  
&[10.102]\$,&[8.2922]\$,&[6.3899]\$,&[4.9089]\$,&[7.337]\$,&[6.6992]\$,&[7.94]\$,&[9.8864]  
\$,&[6.2335]\$,&[5.4364]\$  
&[11.971]\$,&[12.408]\$,&[11.915]\$,&[12.207]\$,&[13.504]\$,&[11.519]\$,&[13.063]\$,&[14.3  
78]\$,&[13.562]\$,&[11.948]\$  
&[6.8924]\$,&[7.086]\$,&[5.7994]\$,&[5.9287]\$,&[11.014]\$,&[11.693]\$,&[11.042]\$,&[12.91  
6]\$,&[8.9014]\$,&[9.388]\$

ED17B019

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.035266

&[8.0194]\$,&[4.4443]\$,&[6.9739]\$,&[10.505]\$,&[8.0861]\$,&[10.095]\$,&[6.5957]\$,&[10.8  
36]\$,&[8.7261]\$,&[7.887]\$  
&[12.936]\$,&[13.641]\$,&[11.759]\$,&[7.5689]\$,&[10.8]\$,&[5.7922]\$,&[10.2]\$,&[15.436]\$  
,&[11.685]\$,&[14.158]\$  
&[13.29]\$,&[13.074]\$,&[16.116]\$,&[16.034]\$,&[12.92]\$,&[14.062]\$,&[13.782]\$,&[7.966]  
\$,&[9.373]\$,&[14.535]\$  
&[2.3908]\$,&[2.8926]\$,&[4.4558]\$,&[3.5434]\$,&[2.607]\$,&[4.7145]\$,&[3.4839]\$,&[4.112

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5]\$,&[4.2401]\$,&[3.6618]\$  
&[4.6866]\$,&[4.9942]\$,&[5.0081]\$,&[4.9328]\$,&[5.7144]\$,&[5.28]\$,&[4.699]\$,&[4.6691]  
\$,&[4.9439]\$,&[4.9582]\$  
&[5.9695]\$,&[4.0314]\$,&[3.138]\$,&[4.0257]\$,&[2.8947]\$,&[2.4748]\$,&[5.9921]\$,&[7.167  
8]\$,&[1.6729]\$,&[3.8021]\$  
&[7.0347]\$,&[5.4492]\$,&[11.446]\$,&[5.695]\$,&[4.975]\$,&[9.7308]\$,&[9.8506]\$,&[10.36]  
\$,&[5.1585]\$,&[2.6122]\$  
&[11.792]\$,&[7.1162]\$,&[4.2253]\$,&[6.2473]\$,&[9.0732]\$,&[6.9727]\$,&[8.7149]\$,&[6.74]  
]\$,&[4.1575]\$,&[5.3908]\$  
&[5.4121]\$,&[2.2116]\$,&[-1.7955]\$,&[7.3026]\$,&[-3.4371]\$,&[2.9506]\$,&[2.0542]\$,&[-3  
.5418]\$,&[9.4724]\$,&[3.6444]\$  
&[9.1331]\$,&[8.4049]\$,&[6.4911]\$,&[11.075]\$,&[5.4159]\$,&[7.435]\$,&[8.2585]\$,&[6.56]  
\$,&[5.2106]\$,&[9.1719]\$

#### ED17B022

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.013953

&[13.423]\$,&[14.256]\$,&[16.083]\$,&[14.881]\$,&[13.578]\$,&[14.353]\$,&[14.452]\$,&[15.6  
62]\$,&[17.57]\$,&[15.945]\$  
&[4.1011]\$,&[5.9848]\$,&[4.3788]\$,&[5.2626]\$,&[4.0057]\$,&[4.3723]\$,&[5.7174]\$,&[4.18  
24]\$,&[3.8269]\$,&[3.914]\$  
&[15.506]\$,&[7.6771]\$,&[7.8568]\$,&[10.325]\$,&[16.179]\$,&[12.002]\$,&[13.382]\$,&[7.32  
24]\$,&[14.102]\$,&[10.995]\$  
&[11.451]\$,&[10.863]\$,&[13.513]\$,&[14.007]\$,&[9.9718]\$,&[14.186]\$,&[12.245]\$,&[10.8  
7]\$,&[13.874]\$,&[17.23]\$  
&[2.5715]\$,&[2.3215]\$,&[7.9136]\$,&[-1.9526]\$,&[1.6558]\$,&[-0.88838]\$,&[1.7989]\$,&[1  
.2557]\$,&[3.1504]\$,&[0.83062]\$  
&[12.223]\$,&[13.375]\$,&[14.238]\$,&[12.609]\$,&[15.139]\$,&[14.661]\$,&[14.058]\$,&[13.0  
5]\$,&[15.754]\$,&[14.559]\$  
&[5.8958]\$,&[4.6396]\$,&[6.1403]\$,&[2.4986]\$,&[7.6088]\$,&[3.6359]\$,&[7.8189]\$,&[5.21  
92]\$,&[7.1921]\$,&[5.5114]\$  
&[13.132]\$,&[14.067]\$,&[13.674]\$,&[14.557]\$,&[15.619]\$,&[13.8]\$,&[13.131]\$,&[14.876]  
]\$,&[12.605]\$,&[14.306]\$  
&[7.9896]\$,&[6.5196]\$,&[-1.3505]\$,&[6.9233]\$,&[-0.25826]\$,&[7.9779]\$,&[6.3006]\$,&[5  
.177]\$,&[2.4745]\$,&[3.2831]\$  
&[9.8935]\$,&[5.754]\$,&[10.419]\$,&[5.9048]\$,&[8.3959]\$,&[10.078]\$,&[7.5763]\$,&[9.003  
2]\$,&[3.3076]\$,&[6.4804]\$

#### ED17B026

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.010176

&[11.205]\$,&[12.627]\$,&[3.3368]\$,&[5.8994]\$,&[6.9119]\$,&[6.8734]\$,&[9.694]\$,&[8.132]  
]\$,&[3.1429]\$,&[12.917]\$  
&[11.583]\$,&[13.595]\$,&[8.804]\$,&[2.1694]\$,&[-0.40469]\$,&[8.2521]\$,&[5.3686]\$,&[7.8  
535]\$,&[8.3814]\$,&[5.7555]\$  
&[7.1034]\$,&[7.1815]\$,&[5.3358]\$,&[3.6027]\$,&[2.117]\$,&[8.4804]\$,&[7.4547]\$,&[8.828

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9]\$,&[6.3553]\$,&[-0.27172]\$  
&[9.6375]\$,&[13.692]\$,&[7.127]\$,&[4.6755]\$,&[2.1168]\$,&[6.8689]\$,&[5.2868]\$,&[9.350  
2]\$,&[1.5323]\$,&[7.754]\$  
&[12.05]\$,&[8.5788]\$,&[6.8114]\$,&[3.1298]\$,&[1.6719]\$,&[8.7923]\$,&[6.3556]\$,&[7.481  
1]\$,&[0.19856]\$,&[13.434]\$  
&[12.424]\$,&[16.164]\$,&[5.4764]\$,&[2.2255]\$,&[5.8877]\$,&[7.6442]\$,&[7.913]\$,&[9.661  
2]\$,&[2.8633]\$,&[10.697]\$  
&[9.6588]\$,&[10.946]\$,&[5.8515]\$,&[3.4218]\$,&[4.7431]\$,&[6.7436]\$,&[13.147]\$,&[9.90  
43]\$,&[4.7342]\$,&[4.5359]\$  
&[12.103]\$,&[8.1871]\$,&[3.684]\$,&[4.4682]\$,&[3.3464]\$,&[8.2363]\$,&[4.4879]\$,&[7.515  
8]\$,&[4.519]\$,&[7.373]\$  
&[14.887]\$,&[11.142]\$,&[5.2593]\$,&[3.9371]\$,&[4.2336]\$,&[8.8937]\$,&[9.2121]\$,&[8.61  
93]\$,&[4.8239]\$,&[4.01]\$  
&[15.626]\$,&[12.36]\$,&[5.9667]\$,&[4.4973]\$,&[1.9569]\$,&[7.4715]\$,&[12.849]\$,&[8.01]  
\$,&[8.299]\$,&[8.5822]\$

#### ED17B035

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.011452  
&[9.4418]\$,&[8.1873]\$,&[6.2006]\$,&[13.06]\$,&[0.65766]\$,&[12.774]\$,&[9.012]\$,&[8.306  
2]\$,&[8.7682]\$,&[6.6144]\$  
&[9.7349]\$,&[7.9057]\$,&[0.52194]\$,&[12.95]\$,&[3.6641]\$,&[11.97]\$,&[15.167]\$,&[9.101  
]\$,&[7.904]\$,&[7.8882]\$  
&[9.5587]\$,&[8.5468]\$,&[-2.4175]\$,&[15.025]\$,&[2.604]\$,&[11.666]\$,&[10.776]\$,&[0.60  
394]\$,&[10.989]\$,&[6.5163]\$  
&[9.5196]\$,&[7.0702]\$,&[1.7058]\$,&[11.625]\$,&[-0.33195]\$,&[11.454]\$,&[12.983]\$,&[9.  
3626]\$,&[11.623]\$,&[9.4326]\$  
&[9.5237]\$,&[8.4488]\$,&[6.2103]\$,&[12.858]\$,&[2.1977]\$,&[13.78]\$,&[11.951]\$,&[10.61  
9]\$,&[11.285]\$,&[9.2489]\$  
&[10.168]\$,&[4.4761]\$,&[2.4034]\$,&[13.129]\$,&[1.2225]\$,&[14.238]\$,&[12.86]\$,&[4.550  
3]\$,&[11.198]\$,&[10.246]\$  
&[11.863]\$,&[4.304]\$,&[-0.90666]\$,&[12.131]\$,&[-2.172]\$,&[7.4352]\$,&[5.2594]\$,&[4.7  
679]\$,&[10.374]\$,&[9.7933]\$  
&[9.5375]\$,&[6.4432]\$,&[1.5772]\$,&[13.399]\$,&[4.7825]\$,&[9.2316]\$,&[13.659]\$,&[5.02  
96]\$,&[12.117]\$,&[6.3317]\$  
&[9.4202]\$,&[6.7305]\$,&[4.7128]\$,&[13.281]\$,&[-1.4048]\$,&[13.041]\$,&[13.676]\$,&[11.  
88]\$,&[9.0258]\$,&[8.2625]\$  
&[12.16]\$,&[6.1717]\$,&[-3.3344]\$,&[12.509]\$,&[-1.9465]\$,&[7.5275]\$,&[14.946]\$,&[4.6  
434]\$,&[8.3986]\$,&[8.8098]\$

#### ED17B036

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.0031531  
&[7.0405]\$,&[6.258]\$,&[9.2603]\$,&[7.5034]\$,&[6.9489]\$,&[8.1223]\$,&[6.0832]\$,&[8.098  
6]\$,&[10.179]\$,&[9.6003]\$  
&[10.833]\$,&[10.756]\$,&[9.4508]\$,&[9.4136]\$,&[12.168]\$,&[13.71]\$,&[10.564]\$,&[12.67

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3],&[11.119],&[9.2917]\$  
&[4.6724],&[1.0254],&[7.1694],&[7.183],&[4.3643],&[1.8502],&[2.4915],&[7.690  
8],&[2.7888],&[6.0142]\$  
&[18.083],&[9.6208],&[9.2856],&[9.6733],&[9.8569],&[10.078],&[13.923],&[12.7  
73],&[10.917],&[10.125]\$  
&[10.098],&[11.341],&[10.348],&[10.475],&[7.9349],&[10.271],&[11.989],&[10.4  
49],&[10.144],&[9.0886]\$  
&[9.0108],&[5.6615],&[6.8659],&[6.295],&[7.1702],&[6.587],&[7.1374],&[6.8607  
],&[7.8299],&[7.2759]\$  
&[2.7702],&[3.1581],&[9.4442],&[4.3691],&[5.8956],&[6.5571],&[13.669],&[5.22  
73],&[8.3089],&[-1.5333]\$  
&[13.486],&[11.738],&[15.331],&[13.56],&[11.824],&[16.875],&[16.223],&[13.48  
1],&[12.923],&[14.899]\$  
&[6.1073],&[6.818],&[8.567],&[6.2789],&[7.1187],&[6.2194],&[3.5019],&[6.5686  
],&[3.3486],&[6.1182]\$  
&[6.4841],&[7.7893],&[2.9109],&[2.0783],&[6.649],&[7.8566],&[6.0325],&[10.55  
1],&[9.9582],&[8.7204]\$

ED17B039

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.011041

&[8.3436],&[5.2985],&[10.443],&[9.3346],&[12.853],&[5.1991],&[3.413],&[2.646  
9],&[12.088],&[10.386]\$  
&[10.314],&[8.7656],&[6.7601],&[12.27],&[14.368],&[3.1919],&[11.548],&[3.616  
6],&[4.9394],&[9.4446]\$  
&[13.974],&[10.635],&[5.0665],&[8.9196],&[13.048],&[-1.5357],&[8.8056],&[2.8  
191],&[9.4412],&[14.38]\$  
&[9.6097],&[10.375],&[8.1353],&[13.088],&[13.429],&[6.9792],&[10.701],&[4.21  
95],&[12.069],&[14.13]\$  
&[12.525],&[8.8779],&[8.2053],&[9.6537],&[16.102],&[8.0879],&[11.927],&[3.54  
],&[11.406],&[11.026]\$  
&[12.154],&[7.8957],&[7.5874],&[9.8412],&[14.56],&[3.1126],&[13.23],&[2.7499  
],&[12.813],&[9.9587]\$  
&[13.803],&[11.562],&[5.1909],&[9.4566],&[12.62],&[7.7724],&[10.699],&[3.787  
2],&[7.6355],&[12.527]\$  
&[8.4819],&[8.5088],&[9.827],&[12.894],&[16.186],&[1.2514],&[5.4707],&[4.481  
5],&[7.7682],&[10.444]\$  
&[12.654],&[3.5077],&[5.6723],&[11.577],&[14.1],&[6.5371],&[6.149],&[5.632]  
,&[11.234],&[14.763]\$  
&[11.641],&[4.3436],&[7.5395],&[13.665],&[11.707],&[1.3801],&[9.6585],&[4.84  
52],&[12.296],&[13.077]\$

ED17B041

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.046421

&[5.4673],&[5.3063],&[11.855],&[9.2835],&[9.1818],&[3.4274],&[6.5402],&[7.42

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99]\$,&[8.9419]\$,&[6.4994]\$  
&[12.547]\$,&[12.001]\$,&[11.517]\$,&[9.5318]\$,&[17.874]\$,&[9.2301]\$,&[15.552]\$,&[9.97  
52]\$,&[17.407]\$,&[13.902]\$\br/>&[7.5128]\$,&[10.368]\$,&[8.4839]\$,&[7.1788]\$,&[6.2554]\$,&[5.095]\$,&[4.426]\$,&[4.0428  
]\$,&[11.516]\$,&[8.2483]\$\br/>&[8.8118]\$,&[7.9451]\$,&[10.34]\$,&[6.3316]\$,&[6.836]\$,&[9.7699]\$,&[11.87]\$,&[8.8951]  
\$,&[8.1136]\$,&[13.922]\$\br/>&[9.2196]\$,&[9.4525]\$,&[8.2771]\$,&[13.387]\$,&[9.6908]\$,&[11.398]\$,&[6.1073]\$,&[10.6  
61]\$,&[8.2497]\$,&[6.2805]\$\br/>&[1.9553]\$,&[5.7533]\$,&[2.5178]\$,&[0.57099]\$,&[8.1318]\$,&[5.4237]\$,&[3.9063]\$,&[1.7  
177]\$,&[4.346]\$,&[5.5486]\$\br/>&[10.987]\$,&[10.482]\$,&[12.194]\$,&[13.617]\$,&[12.357]\$,&[12.403]\$,&[12.071]\$,&[12.8  
17]\$,&[12.459]\$,&[13.666]\$\br/>&[9.1085]\$,&[6.3543]\$,&[8.8802]\$,&[5.6395]\$,&[8.0423]\$,&[6.484]\$,&[7.8535]\$,&[6.12]  
\$,&[7.1965]\$,&[7.0242]\$\br/>&[9.4481]\$,&[6.5556]\$,&[8.5645]\$,&[10.022]\$,&[13.269]\$,&[10.89]\$,&[13.763]\$,&[10.23  
3]\$,&[9.2534]\$,&[11.193]\$\br/>&[16.475]\$,&[15.224]\$,&[12.708]\$,&[13.198]\$,&[12.437]\$,&[16.42]\$,&[13.399]\$,&[20.48  
5]\$,&[15.778]\$,&[14.963]\$\br/>

ED17B047

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.017158

&[12.86]\$,&[12.374]\$,&[4.8905]\$,&[11.466]\$,&[1.419]\$,&[13.836]\$,&[2.3189]\$,&[4.8766  
]\$,&[2.1498]\$,&[13.82]\$\br/>&[13.127]\$,&[10.702]\$,&[3.4538]\$,&[10.989]\$,&[2.9223]\$,&[10.153]\$,&[6.0548]\$,&[7.86  
14]\$,&[0.30977]\$,&[13.935]\$\br/>&[11.01]\$,&[9.2058]\$,&[3.6127]\$,&[11.721]\$,&[5.1855]\$,&[12.536]\$,&[2.2124]\$,&[10.01  
8]\$,&[5.9691]\$,&[18.638]\$\br/>&[11.989]\$,&[13.32]\$,&[4.2695]\$,&[11.858]\$,&[6.1247]\$,&[15.784]\$,&[4.904]\$,&[10.113  
]\$,&[-1.2971]\$,&[14.775]\$\br/>&[11.691]\$,&[11.47]\$,&[4.2278]\$,&[11.356]\$,&[3.338]\$,&[16.888]\$,&[3.3091]\$,&[6.0648  
]\$,&[3.5799]\$,&[12.49]\$\br/>&[11.362]\$,&[8.7109]\$,&[4.861]\$,&[13.215]\$,&[2.5118]\$,&[9.8175]\$,&[1.1352]\$,&[8.639  
5]\$,&[1.5509]\$,&[16.991]\$\br/>&[11.374]\$,&[11.899]\$,&[5.644]\$,&[10.488]\$,&[3.3969]\$,&[10.142]\$,&[6.2975]\$,&[5.292  
8]\$,&[2.3392]\$,&[14.855]\$\br/>&[11.672]\$,&[11.972]\$,&[5.8077]\$,&[11.049]\$,&[6.2626]\$,&[7.9154]\$,&[6.2794]\$,&[5.22  
]\$,&[8.0426]\$,&[12.889]\$\br/>&[11.574]\$,&[8.4865]\$,&[4.3709]\$,&[12.128]\$,&[4.9173]\$,&[13.272]\$,&[4.8295]\$,&[3.74  
34]\$,&[6.9748]\$,&[11.501]\$\br/>&[12.729]\$,&[9.766]\$,&[3.8366]\$,&[11.214]\$,&[1.5974]\$,&[17.716]\$,&[9.0633]\$,&[3.573  
4]\$,&[1.3043]\$,&[14.723]\$\br/>

ED17B053

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

BT2022\_qiii\_22\_alldata

alpha = 0.023737  
&[2.2439]\$,&[4.8652]\$,&[5.8648]\$,&[3.7029]\$,&[11.874]\$,&[11.042]\$,&[-1.6592]\$,&[2.6216]\$,&[9.7903]\$,&[3.4977]\$  
&[7.0598]\$,&[7.3371]\$,&[5.2579]\$,&[6.9383]\$,&[7.3727]\$,&[8.2225]\$,&[6.3247]\$,&[7.6535]\$,&[7.2942]\$,&[8.1354]\$  
&[3.3595]\$,&[-0.33988]\$,&[4.4352]\$,&[0.47406]\$,&[2.57]\$,&[3.6277]\$,&[2.4586]\$,&[1.1543]\$,&[3.21]\$,&[0.8268]\$  
&[13.807]\$,&[8.6546]\$,&[11.545]\$,&[16.109]\$,&[12.08]\$,&[14.817]\$,&[15.031]\$,&[16.206]\$,&[12.603]\$,&[12.078]\$  
&[3.3264]\$,&[11.542]\$,&[2.4671]\$,&[7.9298]\$,&[7.6034]\$,&[8.2188]\$,&[1.7396]\$,&[9.5707]\$,&[7.63]\$,&[6.4026]\$  
&[5.7383]\$,&[6.6301]\$,&[4.0226]\$,&[7.1371]\$,&[7.3437]\$,&[5.0471]\$,&[4.5381]\$,&[5.2604]\$,&[6.5404]\$,&[6.9547]\$  
&[10.304]\$,&[17.917]\$,&[18.325]\$,&[11.169]\$,&[15.556]\$,&[16.369]\$,&[12.536]\$,&[16.295]\$,&[11.82]\$,&[12.948]\$  
&[10.287]\$,&[10.803]\$,&[10.635]\$,&[11.865]\$,&[10.132]\$,&[12.676]\$,&[13.445]\$,&[10.086]\$,&[13.683]\$,&[8.6471]\$  
&[11.12]\$,&[11.656]\$,&[9.7285]\$,&[12.905]\$,&[15.084]\$,&[11.274]\$,&[10.741]\$,&[14.374]\$,&[12.651]\$,&[12.496]\$  
&[7.6484]\$,&[8.0471]\$,&[7.146]\$,&[11.356]\$,&[9.5961]\$,&[10.103]\$,&[5.1029]\$,&[7.8444]\$,&[4.5629]\$,&[9.9806]\$

ED17B056

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.025286  
&[4.6559]\$,&[4.9517]\$,&[8.4171]\$,&[1.6685]\$,&[2.6871]\$,&[1.7504]\$,&[2.0093]\$,&[4.2996]\$,&[4.1754]\$,&[3.3972]\$  
&[5.5237]\$,&[2.1019]\$,&[3.51]\$,&[3.7123]\$,&[3.1408]\$,&[0.96986]\$,&[1.4081]\$,&[1.2068]\$,&[2.128]\$,&[6.1668]\$  
&[7.6657]\$,&[8.2466]\$,&[8.4593]\$,&[8.7385]\$,&[8.9089]\$,&[9.6568]\$,&[8.4307]\$,&[7.8519]\$,&[7.0034]\$,&[8.4189]\$  
&[7.5319]\$,&[12.647]\$,&[8.6724]\$,&[8.9497]\$,&[6.5226]\$,&[6.4344]\$,&[8.7694]\$,&[7.751]\$,&[10.333]\$,&[11.556]\$  
&[7.1123]\$,&[5.3377]\$,&[6.7976]\$,&[4.492]\$,&[7.235]\$,&[3.6497]\$,&[5.814]\$,&[6.2594]\$,&[3.456]\$,&[2.6615]\$  
&[3.5155]\$,&[12.452]\$,&[4.6118]\$,&[2.9173]\$,&[6.5433]\$,&[11.465]\$,&[5.862]\$,&[6.3963]\$,&[10.343]\$,&[9.2791]\$  
&[3.5594]\$,&[4.5572]\$,&[7.5149]\$,&[3.3641]\$,&[5.1214]\$,&[3.7195]\$,&[3.7707]\$,&[4.6927]\$,&[3.1436]\$,&[1.456]\$  
&[7.8621]\$,&[7.7897]\$,&[5.0358]\$,&[8.3699]\$,&[8.6053]\$,&[9.4524]\$,&[8.4494]\$,&[8.7951]\$,&[4.6966]\$,&[5.5467]\$  
&[14.192]\$,&[13.666]\$,&[16.318]\$,&[10.984]\$,&[10.599]\$,&[13.173]\$,&[16.237]\$,&[14.566]\$,&[9.4712]\$,&[11.305]\$  
&[3.9222]\$,&[5.3564]\$,&[8.1605]\$,&[5.3643]\$,&[4.5715]\$,&[3.2005]\$,&[8.0968]\$,&[5.9319]\$,&[5.468]\$,&[4.7483]\$

BT2022\_qiii\_22\_alldata

EE17B112

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.027985

&[7.4038]\$,&[9.8739]\$,&[4.0647]\$,&[7.8518]\$,&[9.9886]\$,&[9.1275]\$,&[1.312]\$,&[-5.0299]\$,&[4.1838]\$,&[7.9282]\$\n&[9.6207]\$,&[0.27373]\$,&[3.0308]\$,&[12.537]\$,&[9.1159]\$,&[10.301]\$,&[1.7748]\$,&[2.4534]\$,&[11.454]\$,&[14.719]\$\n&[8.5634]\$,&[9.3012]\$,&[3.402]\$,&[5.2826]\$,&[10.647]\$,&[13.894]\$,&[2.388]\$,&[4.2689]\$,&[0.86111]\$,&[5.5543]\$\n&[13.881]\$,&[0.06169]\$,&[3.1334]\$,&[15.616]\$,&[12.293]\$,&[10.796]\$,&[1.9299]\$,&[1.3183]\$,&[12.437]\$,&[14.512]\$\n&[8.9722]\$,&[2.9558]\$,&[4.4556]\$,&[4.9394]\$,&[16.745]\$,&[11.886]\$,&[3.2534]\$,&[-2.828]\$,&[8.3296]\$,&[13.646]\$\n&[4.0938]\$,&[3.7645]\$,&[3.3841]\$,&[8.6848]\$,&[16.689]\$,&[9.9755]\$,&[1.5215]\$,&[4.8533]\$,&[7.5078]\$,&[4.7705]\$\n&[9.2215]\$,&[4.7063]\$,&[3.8371]\$,&[6.9199]\$,&[15.285]\$,&[9.1525]\$,&[1.8516]\$,&[2.3564]\$,&[4.1005]\$,&[11.172]\$\n&[9.4175]\$,&[4.406]\$,&[3.2553]\$,&[8.783]\$,&[9.4821]\$,&[11.7]\$,&[1.659]\$,&[3.7679]\$,&[10.6]\$,&[9.7908]\$\n&[11.516]\$,&[9.0851]\$,&[2.8583]\$,&[11.331]\$,&[12.744]\$,&[10.468]\$,&[1.7775]\$,&[-0.02403]\$,&[10.076]\$,&[7.2734]\$\n&[7.4997]\$,&[6.2109]\$,&[3.814]\$,&[12.02]\$,&[9.8452]\$,&[10.936]\$,&[2.4604]\$,&[-4.0847]\$,&[8.1964]\$,&[14.32]\$\n

EE17B115

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.026312

&[10.943]\$,&[11.43]\$,&[4.2515]\$,&[9.7213]\$,&[8.0705]\$,&[6.8205]\$,&[9.5588]\$,&[12.464]\$,&[11.071]\$,&[9.8283]\$\n&[11.668]\$,&[7.7479]\$,&[9.1421]\$,&[11.659]\$,&[11.622]\$,&[10.197]\$,&[8.725]\$,&[6.5502]\$,&[11.519]\$,&[10.22]\$\n&[14.077]\$,&[14.438]\$,&[12.368]\$,&[13.234]\$,&[10.156]\$,&[10.109]\$,&[12.305]\$,&[11.552]\$,&[12.635]\$,&[13.128]\$\n&[5.9029]\$,&[4.0852]\$,&[4.6673]\$,&[3.8746]\$,&[0.9237]\$,&[5.2097]\$,&[1.9599]\$,&[9.5897]\$,&[5.5291]\$,&[4.9686]\$\n&[10.811]\$,&[12.393]\$,&[8.1035]\$,&[11.926]\$,&[10.273]\$,&[10.724]\$,&[12.664]\$,&[10.468]\$,&[15.942]\$,&[14.364]\$\n&[7.9807]\$,&[2.1995]\$,&[7.7283]\$,&[7.6282]\$,&[14.412]\$,&[10.215]\$,&[10.825]\$,&[6.1268]\$,&[6.9549]\$,&[11.193]\$\n&[0.36423]\$,&[3.2109]\$,&[5.2616]\$,&[1.9734]\$,&[3.979]\$,&[6.0703]\$,&[-1.0871]\$,&[0.49271]\$,&[5.9778]\$,&[0.7066]\$\n&[4.1753]\$,&[4.4726]\$,&[8.3495]\$,&[3.1887]\$,&[1.3884]\$,&[4.9841]\$,&[4.3439]\$,&[6.1866]\$,&[7.3896]\$,&[2.0178]\$\n&[12.675]\$,&[13.359]\$,&[15.441]\$,&[12.983]\$,&[12.648]\$,&[14.132]\$,&[14.701]\$,&[13.866]\$,&[12.753]\$,&[11.232]\$\n&[3.6629]\$,&[0.45651]\$,&[1.3367]\$,&[3.8768]\$,&[0.66029]\$,&[1.6858]\$,&[1.5408]\$,&[3.0187]\$,&[9.3105]\$,&[2.9707]\$\n

BT2022\_qiii\_22\_alldata

EE17B130

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.040362

&[7.9266]\$,&[12.085]\$,&[9.7839]\$,&[2.3036]\$,&[4.918]\$,&[10.998]\$,&[10.041]\$,&[4.043  
6]\$,&[14.53]\$,&[9.0339]\$  
&[8.1767]\$,&[12.186]\$,&[11.804]\$,&[3.4491]\$,&[5.3819]\$,&[3.0369]\$,&[8.9179]\$,&[-0.1  
9081]\$,&[14.857]\$,&[11.336]\$  
&[10.384]\$,&[8.1688]\$,&[7.3735]\$,&[3.9114]\$,&[3.5913]\$,&[6.183]\$,&[7.7137]\$,&[-2.09  
88]\$,&[8.8329]\$,&[9.4556]\$  
&[11.022]\$,&[12.143]\$,&[10.439]\$,&[3.2865]\$,&[4.3907]\$,&[4.9698]\$,&[5.8487]\$,&[-0.8  
2334]\$,&[14.587]\$,&[10.985]\$  
&[8.1953]\$,&[15.042]\$,&[10.087]\$,&[0.97214]\$,&[5.8699]\$,&[8.4149]\$,&[11.787]\$,&[-0.  
39906]\$,&[13.483]\$,&[7.0598]\$  
&[9.7979]\$,&[8.8544]\$,&[12.399]\$,&[1.0144]\$,&[4.5894]\$,&[5.393]\$,&[10.674]\$,&[0.630  
3]\$,&[19.414]\$,&[6.804]\$  
&[7.6037]\$,&[10.547]\$,&[8.7123]\$,&[4.2445]\$,&[3.1154]\$,&[5.7261]\$,&[9.577]\$,&[-2.11  
01]\$,&[16.624]\$,&[10.836]\$  
&[8.4738]\$,&[16.06]\$,&[8.5746]\$,&[1.4606]\$,&[4.1201]\$,&[8.4638]\$,&[8.0574]\$,&[5.472  
8]\$,&[12.793]\$,&[7.5975]\$  
&[5.9281]\$,&[9.1266]\$,&[8.0338]\$,&[1.5273]\$,&[4.1073]\$,&[4.3143]\$,&[8.0346]\$,&[1.07  
47]\$,&[12.236]\$,&[8.4313]\$  
&[6.9517]\$,&[12.416]\$,&[8.9252]\$,&[3.6657]\$,&[3.0393]\$,&[5.4588]\$,&[9.2778]\$,&[5.93  
04]\$,&[12.739]\$,&[7.9343]\$

EE17B131

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0062969

&[5.8975]\$,&[5.6987]\$,&[10.145]\$,&[8.2504]\$,&[14.248]\$,&[9.7748]\$,&[9.3878]\$,&[2.68  
51]\$,&[6.2082]\$,&[2.5119]\$  
&[6.1232]\$,&[8.1011]\$,&[9.4293]\$,&[7.2658]\$,&[18.017]\$,&[14.203]\$,&[12.67]\$,&[0.653  
43]\$,&[6.91]\$,&[2.5145]\$  
&[6.7794]\$,&[5.5079]\$,&[9.5373]\$,&[3.0183]\$,&[9.7006]\$,&[15.821]\$,&[9.1627]\$,&[3.55  
68]\$,&[4.0263]\$,&[5.0824]\$  
&[6.3747]\$,&[5.1293]\$,&[14.987]\$,&[9.0488]\$,&[15.147]\$,&[13.998]\$,&[11.488]\$,&[8.32  
82]\$,&[2.953]\$,&[0.32525]\$  
&[7.2135]\$,&[7.2573]\$,&[10.408]\$,&[9.2854]\$,&[15.66]\$,&[11.725]\$,&[13.181]\$,&[2.308  
8]\$,&[2.7231]\$,&[-0.32361]\$  
&[5.8541]\$,&[3.9597]\$,&[13.488]\$,&[5.8217]\$,&[14.235]\$,&[16.005]\$,&[12.503]\$,&[0.83  
29]\$,&[2.1308]\$,&[2.8785]\$  
&[6.617]\$,&[7.907]\$,&[9.1178]\$,&[6.9389]\$,&[12.253]\$,&[14.712]\$,&[12.13]\$,&[2.3674]  
\$,&[7.7546]\$,&[-1.1845]\$  
&[6.0138]\$,&[6.4923]\$,&[11.936]\$,&[7.9273]\$,&[16.519]\$,&[13.664]\$,&[14.424]\$,&[2.57  
62]\$,&[5.443]\$,&[8.363]\$  
&[6.1547]\$,&[5.7575]\$,&[11.545]\$,&[3.5139]\$,&[10.408]\$,&[14.52]\$,&[11.284]\$,&[-1.88  
32]\$,&[5.9808]\$,&[1.3899]\$

BT2022\_qiii\_22\_alldata  
|[6.4556]\$,|[7.2686]\$,|[10.353]\$,|[4.7731]\$,|[15.491]\$,|[11.631]\$,|[11.295]\$,|[1.4837]\$,|[4.3972]\$,|[0.03181]|

EE18B017

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.041012  
|[13.721]\$,|[3.3461]\$,|[13.088]\$,|[7.2325]\$,|[10.617]\$,|[16.976]\$,|[5.5968]\$,|[3.4445]\$,|[7.8815]\$,|[11]\$,|[12.699]\$,|[-1.4405]\$,|[14.208]\$,|[4.835]\$,|[8.5388]\$,|[5.3552]\$,|[8.7341]\$,|[3.6811]\$,|[8.4676]\$,|[9.9425]\$,|[10.883]\$,|[5.0947]\$,|[13.668]\$,|[7.8477]\$,|[12.857]\$,|[6.6121]\$,|[1.4047]\$,|[0.97918]\$,|[10.797]\$,|[11.495]\$,|[17.755]\$,|[4.791]\$,|[14.284]\$,|[6.6164]\$,|[11.664]\$,|[7.6286]\$,|[9.4481]\$,|[3.0295]\$,|[10.374]\$,|[9.6708]\$,|[11.729]\$,|[4.7268]\$,|[12.569]\$,|[10.677]\$,|[11.674]\$,|[6.5667]\$,|[4.27]\$,|[4.4369]\$,|[11.255]\$,|[12.093]\$,|[11.134]\$,|[3.1044]\$,|[9.0233]\$,|[8.8902]\$,|[8.8439]\$,|[7.1091]\$,|[15.241]\$,|[2.0945]\$,|[11.603]\$,|[11.758]\$,|[15.265]\$,|[6.9045]\$,|[11.213]\$,|[7.0846]\$,|[12.901]\$,|[6.2319]\$,|[7.0744]\$,|[2.4743]\$,|[7.8767]\$,|[10.374]\$,|[14.862]\$,|[0.963]\$,|[16.565]\$,|[10.15]\$,|[11.197]\$,|[2.967]\$,|[4.9432]\$,|[5.1184]\$,|[8.522]\$,|[9.7224]\$,|[16.198]\$,|[6.3078]\$,|[13.147]\$,|[8.1511]\$,|[10.035]\$,|[5.3618]\$,|[3.222]\$,|[2.2451]\$,|[11.494]\$,|[8.5807]\$,|[16.553]\$,|[4.3129]\$,|[14.038]\$,|[7.4386]\$,|[8.998]\$,|[10.77]\$,|[4.0014]\$,|[2.6127]\$,|[12.092]\$,|[10.043]

EE18B029

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.0026533  
|[4.275]\$,|[4.6022]\$,|[4.7617]\$,|[-1.1188]\$,|[4.6136]\$,|[1.4696]\$,|[3.4905]\$,|[4.514]\$,|[3.6523]\$,|[8.2122]\$,|[14.523]\$,|[14.04]\$,|[13.693]\$,|[13.317]\$,|[14.739]\$,|[13.408]\$,|[13.731]\$,|[14.33]\$,|[13.999]\$,|[14.788]\$,|[16.764]\$,|[15.744]\$,|[15.198]\$,|[13.041]\$,|[14.037]\$,|[16.931]\$,|[14.892]\$,|[15.841]\$,|[15.221]\$,|[14.054]\$,|[13.294]\$,|[8.7143]\$,|[16.253]\$,|[10.186]\$,|[10.318]\$,|[10.88]\$,|[11.829]\$,|[6.9025]\$,|[6.3393]\$,|[14.206]\$,|[10.177]\$,|[11.496]\$,|[9.7948]\$,|[7.7269]\$,|[10.553]\$,|[9.9687]\$,|[10.309]\$,|[8.5362]\$,|[7.7167]\$,|[7.8308]\$,|[6.1694]\$,|[-1.0957]\$,|[4.0665]\$,|[1.4893]\$,|[4.5281]\$,|[5.1397]\$,|[0.41701]\$,|[1.1029]\$,|[4.4793]\$,|[5.6563]\$,|[12.825]\$,|[6.1573]\$,|[5.4441]\$,|[10.937]\$,|[6.3746]\$,|[11.051]\$,|[2.4753]\$,|[6.686]\$,|[8.3501]\$,|[5.9519]\$,|[4.2518]\$,|[6.9601]\$,|[7.4576]\$,|[7.3711]\$,|[4.6184]\$,|[5.3867]\$,|[3.1798]\$,|[7.3955]\$,|[4.4945]\$,|[4.188]

BT2022\_qiii\_22\_alldata  
|[11.821]\$,|[8.0082]\$,|[7.7588]\$,|[4.0368]\$,|[4.4355]\$,|[4.1993]\$,|[12.019]\$,|[6.72  
77]\$,|[5.8589]\$,|[5.5342]\$\n|[-1.9014]\$,|[3.5014]\$,|[6.814]\$,|[6.9336]\$,|[6.7934]\$,|[-0.46466]\$,|[-0.18051]\$,|[  
4.217]\$,|[-0.76779]\$,|[4.6406]\$

#### EE18B031

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.036698  
|[5.7314]\$,|[11.73]\$,|[8.6724]\$,|[9.6641]\$,|[4.4608]\$,|[8.6454]\$,|[10.166]\$,|[8.677  
7]\$,|[8.0628]\$,|[7.8578]\$\n|/[14.103]\$,|[11.335]\$,|[10.465]\$,|[10.964]\$,|[14.35]\$,|[8.0376]\$,|[7.854]\$,|[13.417  
]\$,|[14.267]\$,|[9.1359]\$\n|/[0.78107]\$,|[6.1116]\$,|[6.7774]\$,|[3.5169]\$,|[3.7196]\$,|[2.0619]\$,|[4.4288]\$,|[3.8  
271]\$,|[6.6699]\$,|[4.9448]\$\n|/[7.7382]\$,|[8.2928]\$,|[5.4136]\$,|[4.8066]\$,|[6.1479]\$,|[8.6166]\$,|[5.551]\$,|[5.647  
9]\$,|[6.8926]\$,|[9.8322]\$\n|/[5.8925]\$,|[6.0708]\$,|[6.1839]\$,|[6.0027]\$,|[5.7786]\$,|[5.3871]\$,|[5.5632]\$,|[5.89  
58]\$,|[5.1808]\$,|[6.1917]\$\n|/[10.078]\$,|[9.3344]\$,|[12.348]\$,|[13.099]\$,|[9.5239]\$,|[11.045]\$,|[10.983]\$,|[9.71  
01]\$,|[9.3321]\$,|[8.9075]\$\n|/[2.931]\$,|[6.7194]\$,|[5.3071]\$,|[4.4216]\$,|[9.1005]\$,|[5.7166]\$,|[7.0644]\$,|[6.266  
3]\$,|[3.3945]\$,|[6.28]\$\n|/[8.2247]\$,|[7.3819]\$,|[9.1979]\$,|[10.584]\$,|[9.5676]\$,|[9.9708]\$,|[6.595]\$,|[12.62  
2]\$,|[9.5497]\$,|[10.151]\$\n|/[15.621]\$,|[13.243]\$,|[13.156]\$,|[13.998]\$,|[15.107]\$,|[8.8461]\$,|[12.904]\$,|[12.1  
85]\$,|[11.615]\$,|[12.283]\$\n|/[8.7914]\$,|[4.3971]\$,|[6.1818]\$,|[9.6283]\$,|[10.264]\$,|[7.8561]\$,|[7.6953]\$,|[12.8  
85]\$,|[5.9286]\$,|[12.242]\$

#### EE18B032

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.011945  
|[6.388]\$,|[10.721]\$,|[12.928]\$,|[5.9834]\$,|[0.65579]\$,|[5.0707]\$,|[4.8932]\$,|[13.7  
27]\$,|[7.9168]\$,|[12.447]\$\n|/[5.9017]\$,|[5.0218]\$,|[13.943]\$,|[3.6243]\$,|[4.1212]\$,|[3.961]\$,|[5.3137]\$,|[11.71  
1]\$,|[5.7091]\$,|[11.687]\$\n|/[8.5749]\$,|[10.495]\$,|[15.053]\$,|[3.6863]\$,|[3.6918]\$,|[1.1264]\$,|[3.89]\$,|[15.468  
]\$,|[4.2058]\$,|[11.647]\$\n|/[7.4402]\$,|[11.109]\$,|[12.842]\$,|[6.1628]\$,|[1.9248]\$,|[5.3326]\$,|[3.2333]\$,|[17.5  
94]\$,|[7.7915]\$,|[12.631]\$\n|/[6.9788]\$,|[9.4146]\$,|[17.322]\$,|[4.7156]\$,|[5.4577]\$,|[3.6552]\$,|[3.5483]\$,|[12.7  
34]\$,|[7.2828]\$,|[12.361]\$\n|/[8.4125]\$,|[6.11]\$,|[12.101]\$,|[7.1655]\$,|[4.9156]\$,|[0.97452]\$,|[5.4069]\$,|[13.41  
5]\$,|[7.8092]\$,|[11.296]\$\n|/[9.9763]\$,|[4.0049]\$,|[15.93]\$,|[5.0216]\$,|[4.232]\$,|[3.2529]\$,|[3.0475]\$,|[14.21  
]\$,|[4.3095]\$,|[11.676]\$

BT2022\_qiii\_22\_alldata

&[6.513]\$,&[8.8323]\$,&[15.846]\$,&[5.454]\$,&[5.4177]\$,&[0.19093]\$,&[5.7156]\$,&[13.41  
6]\$,&[5.5229]\$,&[12.082]\$\n&[7.6863]\$,&[6.5239]\$,&[13.79]\$,&[3.8307]\$,&[2.8715]\$,&[4.0766]\$,&[5.1115]\$,&[12.93  
5]\$,&[3.146]\$,&[13.105]\$\n&[5.2412]\$,&[7.0782]\$,&[13.851]\$,&[5.282]\$,&[3.1733]\$,&[2.6966]\$,&[2.4276]\$,&[15.13  
1]\$,&[4.8727]\$,&[11.319]\$

#### EE18B044

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.033688

&[3.5721]\$,&[10.151]\$,&[4.7445]\$,&[9.8834]\$,&[6.6759]\$,&[3.9532]\$,&[6.5871]\$,&[3.39  
07]\$,&[6.3589]\$,&[7.5938]\$\n&[0.28067]\$,&[8.1282]\$,&[1.8398]\$,&[11.009]\$,&[4.9627]\$,&[6.8212]\$,&[6.3358]\$,&[0.8  
8236]\$,&[6.9586]\$,&[6.4049]\$\n&[-3.0618]\$,&[9.1756]\$,&[3.4161]\$,&[10.341]\$,&[6.2246]\$,&[2.9025]\$,&[5.8008]\$,&[1.3  
568]\$,&[6.7353]\$,&[8.7081]\$\n&[0.82902]\$,&[8.9682]\$,&[4.1697]\$,&[10.586]\$,&[8.5425]\$,&[5.3243]\$,&[8.666]\$,&[3.12  
62]\$,&[6.8924]\$,&[6.8108]\$\n&[3.2832]\$,&[7.7401]\$,&[7.5381]\$,&[13.849]\$,&[2.4417]\$,&[7.4262]\$,&[5.9667]\$,&[2.98  
94]\$,&[5.9428]\$,&[9.4854]\$\n&[4.4947]\$,&[9.0088]\$,&[4.3705]\$,&[11.279]\$,&[4.7802]\$,&[3.9181]\$,&[12.011]\$,&[5.49  
]\$,&[5.4057]\$,&[9.491]\$\n&[3.2675]\$,&[9.2216]\$,&[5.3196]\$,&[10.591]\$,&[5.8779]\$,&[2.8703]\$,&[5.0165]\$,&[3.03  
33]\$,&[7.6472]\$,&[10.525]\$\n&[2.1256]\$,&[8.6058]\$,&[1.5404]\$,&[7.0671]\$,&[9.8654]\$,&[5.5335]\$,&[10.329]\$,&[5.30  
35]\$,&[6.5485]\$,&[9.0923]\$\n&[4.1804]\$,&[9.7306]\$,&[7.6705]\$,&[11.215]\$,&[6.4914]\$,&[0.3365]\$,&[6.6524]\$,&[4.22  
45]\$,&[7.3231]\$,&[8.0184]\$\n&[0.02432]\$,&[8.0083]\$,&[5.9228]\$,&[11.706]\$,&[5.6451]\$,&[5.305]\$,&[8.4599]\$,&[3.28  
75]\$,&[7.5171]\$,&[10.156]\$

#### EE18B047

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.017668

&[7.5015]\$,&[3.799]\$,&[6.8911]\$,&[3.6384]\$,&[7.4166]\$,&[8.0561]\$,&[14.406]\$,&[5.401  
3]\$,&[14.499]\$,&[4.4974]\$\n&[8.0577]\$,&[3.1494]\$,&[8.2981]\$,&[2.9486]\$,&[9.2878]\$,&[1.0103]\$,&[16.299]\$,&[1.63  
38]\$,&[14.207]\$,&[10.315]\$\n&[7.4011]\$,&[3.4861]\$,&[3.5769]\$,&[2.6684]\$,&[13.756]\$,&[2.9117]\$,&[11.115]\$,&[5.44  
17]\$,&[15.278]\$,&[2.8596]\$\n&[10.541]\$,&[3.1926]\$,&[7.0912]\$,&[0.56722]\$,&[8.4524]\$,&[6.2861]\$,&[18.553]\$,&[0.6  
9516]\$,&[14.55]\$,&[1.3668]\$\n&[6.3252]\$,&[2.442]\$,&[9.8097]\$,&[-0.67622]\$,&[13.048]\$,&[0.46478]\$,&[11.761]\$,&[5.  
6129]\$,&[13.397]\$,&[4.1018]\$\n&[7.9062]\$,&[3.4819]\$,&[10.143]\$,&[3.3684]\$,&[12.65]\$,&[7.062]\$,&[17.181]\$,&[4.2062  
]\$,&[13.942]\$,&[6.205]\$

BT2022\_qiii\_22\_alldata  
&[6.0078]\$,&[3.6429]\$,&[6.0519]\$,&[2.6203]\$,&[15.769]\$,&[4.1927]\$,&[18.857]\$,&[4.1673]\$,&[13.964]\$,&[7.6256]\$  
&[7.6411]\$,&[2.4357]\$,&[7.5098]\$,&[-2.1456]\$,&[8.5168]\$,&[1.9579]\$,&[15.813]\$,&[7.331]\$,&[14.406]\$,&[4.8206]\$  
&[8.3416]\$,&[2.6276]\$,&[5.5781]\$,&[3.5896]\$,&[12.894]\$,&[6.3918]\$,&[12.314]\$,&[5.5299]\$,&[14.815]\$,&[4.6264]\$  
&[10.1]\$,&[2.4409]\$,&[6.4709]\$,&[3.9829]\$,&[9.4943]\$,&[-1.9999]\$,&[14.988]\$,&[10.7]\$  
&[13.859]\$,&[4.0698]\$

#### EE18B058

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.045389

&[2.1024]\$,&[6.8469]\$,&[0.63723]\$,&[3.7838]\$,&[6.0197]\$,&[7.4734]\$,&[6.3678]\$,&[6.6938]\$,&[2.4369]\$,&[5.5369]\$  
&[9.7327]\$,&[8.9133]\$,&[8.4218]\$,&[9.8911]\$,&[4.5691]\$,&[9.0505]\$,&[9.3889]\$,&[7.8554]\$,&[11.226]\$,&[12.505]\$  
&[10.407]\$,&[8.9899]\$,&[13.313]\$,&[10.642]\$,&[8.4604]\$,&[9.5594]\$,&[9.1128]\$,&[11.007]\$,&[8.7924]\$,&[10.962]\$  
&[9.8969]\$,&[8.7439]\$,&[9.6849]\$,&[9.377]\$,&[9.6353]\$,&[10.297]\$,&[11.758]\$,&[10.313]\$,&[10.494]\$,&[11.234]\$  
&[12.171]\$,&[12.616]\$,&[13.217]\$,&[11.042]\$,&[13.821]\$,&[12.148]\$,&[11.057]\$,&[11.279]\$,&[8.6569]\$,&[8.5113]\$  
&[0.89559]\$,&[4.7652]\$,&[5.0446]\$,&[3.1595]\$,&[5.3442]\$,&[-0.39508]\$,&[3.1394]\$,&[5.1089]\$,&[-0.078148]\$,&[3.9545]\$  
&[13.092]\$,&[12.914]\$,&[19.766]\$,&[14.256]\$,&[19.001]\$,&[17.707]\$,&[14.409]\$,&[13.132]\$,&[16.628]\$,&[22.352]\$  
&[4.5309]\$,&[6.9662]\$,&[2.9321]\$,&[4.4732]\$,&[7.2478]\$,&[-2.3308]\$,&[5.3133]\$,&[6.9052]\$,&[3.1732]\$,&[6.8968]\$  
&[2.9898]\$,&[3.3809]\$,&[6.0427]\$,&[6.394]\$,&[4.9762]\$,&[2.1358]\$,&[2.5591]\$,&[10.762]\$,&[5.9611]\$,&[2.4768]\$  
&[3.6492]\$,&[0.96449]\$,&[-2.3833]\$,&[-0.54874]\$,&[2.4831]\$,&[5.7387]\$,&[1.2895]\$,&[6.8818]\$,&[3.2219]\$,&[2.449]\$

#### EE18B059

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.044377

&[6.7566]\$,&[13.355]\$,&[8.1507]\$,&[6.4326]\$,&[9.6885]\$,&[9.5006]\$,&[9.2777]\$,&[17.497]\$,&[7.0332]\$,&[5.6898]\$  
&[10.553]\$,&[7.0946]\$,&[8.2071]\$,&[8.1304]\$,&[7.7958]\$,&[8.5178]\$,&[7.2846]\$,&[11.488]\$,&[11.136]\$,&[2.5321]\$  
&[11.42]\$,&[10.798]\$,&[16.329]\$,&[5.2727]\$,&[9.588]\$,&[5.5994]\$,&[4.8118]\$,&[11.231]\$,&[9.6023]\$,&[4.5279]\$  
&[11.966]\$,&[9.8227]\$,&[11.859]\$,&[2.637]\$,&[8.7829]\$,&[4.1837]\$,&[13.578]\$,&[16.987]\$,&[10.674]\$,&[5.6196]\$  
&[9.1431]\$,&[7.3783]\$,&[11.399]\$,&[8.8522]\$,&[9.9379]\$,&[-0.3102]\$,&[4.9961]\$,&[14.24]\$,&[12.191]\$,&[3.3431]\$

BT2022\_qiii\_22\_alldata

$\&[10.301]$ , $\&[9.7092]$ , $\&[15.123]$ , $\&[7.6434]$ , $\&[8.7561]$ , $\&[2.4292]$ , $\&[11.609]$ , $\&[11.111]$ , $\&[9.3476]$ , $\&[6.3338]$   
 $\&[7.4693]$ , $\&[13.189]$ , $\&[15.33]$ , $\&[2.2915]$ , $\&[8.2018]$ , $\&[2.7915]$ , $\&[9.0714]$ , $\&[16.192]$ , $\&[14.415]$ , $\&[5.9217]$   
 $\&[2.8145]$ , $\&[10.504]$ , $\&[14.2]$ , $\&[1.2835]$ , $\&[4.8664]$ , $\&[5.4984]$ , $\&[6.9819]$ , $\&[16.202]$ , $\&[11.736]$ , $\&[6.5418]$   
 $\&[10.372]$ , $\&[8.86]$ , $\&[10.547]$ , $\&[2.678]$ , $\&[4.8722]$ , $\&[5.9541]$ , $\&[3.286]$ , $\&[11.665]$ , $\&[11.1]$ , $\&[6.6898]$   
 $\&[5.1392]$ , $\&[9.7018]$ , $\&[5.5287]$ , $\&[5.1647]$ , $\&[4.1001]$ , $\&[4.3918]$ , $\&[5.1185]$ , $\&[14.079]$ , $\&[8.7592]$ , $\&[6.4038]$

#### EE18B065

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.035389

$\&[11.096]$ , $\&[5.6397]$ , $\&[11.347]$ , $\&[4.6206]$ , $\&[14.046]$ , $\&[5.5355]$ , $\&[11.52]$ , $\&[11.091]$ , $\&[2.7497]$ , $\&[1.2009]$   
 $\&[10.071]$ , $\&[5.7839]$ , $\&[3.7735]$ , $\&[4.4978]$ , $\&[8.2947]$ , $\&[6.6573]$ , $\&[8.8131]$ , $\&[10.338]$ , $\&[1.7148]$ , $\&[-0.66378]$   
 $\&[11.705]$ , $\&[5.2445]$ , $\&[12.469]$ , $\&[7.0946]$ , $\&[12.638]$ , $\&[7.8747]$ , $\&[10.58]$ , $\&[10.231]$ , $\&[5.658]$ , $\&[3.1654]$   
 $\&[12.937]$ , $\&[5.7342]$ , $\&[12.364]$ , $\&[3.3683]$ , $\&[11.664]$ , $\&[8.5231]$ , $\&[9.1511]$ , $\&[10.718]$ , $\&[-1.8383]$ , $\&[0.34907]$   
 $\&[11.986]$ , $\&[6.1002]$ , $\&[8.4115]$ , $\&[4.0262]$ , $\&[13.836]$ , $\&[7.8295]$ , $\&[8.9794]$ , $\&[10.631]$ , $\&[7.1346]$ , $\&[4.374]$   
 $\&[13.878]$ , $\&[5.2407]$ , $\&[18.016]$ , $\&[5.258]$ , $\&[12.466]$ , $\&[7.0201]$ , $\&[9.0003]$ , $\&[10.241]$ , $\&[3.8195]$ , $\&[0.57368]$   
 $\&[11.244]$ , $\&[4.4101]$ , $\&[16.787]$ , $\&[6.118]$ , $\&[14.851]$ , $\&[4.6682]$ , $\&[10.07]$ , $\&[10.678]$ , $\&[2.679]$ , $\&[2.3172]$   
 $\&[13.04]$ , $\&[6.5045]$ , $\&[12.216]$ , $\&[0.68763]$ , $\&[12.839]$ , $\&[7.4293]$ , $\&[8.5914]$ , $\&[10.427]$ , $\&[3.402]$ , $\&[1.5786]$   
 $\&[13.416]$ , $\&[6.6137]$ , $\&[15.843]$ , $\&[5.8963]$ , $\&[12.279]$ , $\&[6.5596]$ , $\&[8.7545]$ , $\&[10.587]$ , $\&[0.66908]$ , $\&[1.4053]$   
 $\&[14.981]$ , $\&[4.047]$ , $\&[12.326]$ , $\&[0.67958]$ , $\&[13.91]$ , $\&[8.668]$ , $\&[10.362]$ , $\&[10.296]$ , $\&[3.3862]$ , $\&[1.282]$

#### EE18B071

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.048373

$\&[9.361]$ , $\&[11.374]$ , $\&[14.06]$ , $\&[5.6894]$ , $\&[13.545]$ , $\&[4.8765]$ , $\&[4.3461]$ , $\&[13.685]$ , $\&[16.135]$ , $\&[8.967]$   
 $\&[18.349]$ , $\&[10.589]$ , $\&[14.597]$ , $\&[7.151]$ , $\&[13.44]$ , $\&[6.9917]$ , $\&[1.834]$ , $\&[11.065]$ , $\&[14.422]$ , $\&[6.3288]$   
 $\&[12.24]$ , $\&[13.202]$ , $\&[14.359]$ , $\&[2.3156]$ , $\&[12.765]$ , $\&[1.7915]$ , $\&[7.9622]$ , $\&[10.047]$ , $\&[13.947]$ , $\&[8.8135]$   
 $\&[6.2459]$ , $\&[11.458]$ , $\&[14.518]$ , $\&[6.0476]$ , $\&[13.18]$ , $\&[4.4995]$ , $\&[4.8154]$ , $\&[14.362]$ , $\&[15.429]$ , $\&[7.7569]$

BT2022\_qiii\_22\_alldata  
&[14.545]\$,&[12.27]\$,&[14.603]\$,&[5.7721]\$,&[12.612]\$,&[6.6859]\$,&[7.9773]\$,&[11.403]\$,&[13.579]\$,&[8.9626]\$  
&[11.155]\$,&[11.706]\$,&[14.353]\$,&[3.1751]\$,&[13.444]\$,&[1.5651]\$,&[6.5737]\$,&[14.866]\$,&[14.212]\$,&[6.2945]\$  
&[10.056]\$,&[11.483]\$,&[14.245]\$,&[4.8553]\$,&[12.706]\$,&[5.3493]\$,&[4.5034]\$,&[13.014]\$,&[11.294]\$,&[10.893]\$  
&[8.5109]\$,&[12.336]\$,&[14.299]\$,&[6.6593]\$,&[11.929]\$,&[9.3517]\$,&[4.0469]\$,&[12.993]\$,&[14.18]\$,&[4.7395]\$  
&[14.094]\$,&[11.906]\$,&[14.663]\$,&[4.4151]\$,&[13.07]\$,&[5.3101]\$,&[4.7521]\$,&[14.446]\$,&[13.207]\$,&[11.928]\$  
&[9.5778]\$,&[11.974]\$,&[14.607]\$,&[5.0234]\$,&[13.384]\$,&[4.7389]\$,&[5.1283]\$,&[15.08]\$,&[13.96]\$,&[9.7564]\$

#### EE18B111

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.010555

&[4.4101]\$,&[11.834]\$,&[11.156]\$,&[7.0867]\$,&[6.4063]\$,&[16.192]\$,&[12.837]\$,&[7.627]\$,&[12.693]\$,&[9.1351]\$  
&[9.2276]\$,&[13.537]\$,&[11.26]\$,&[7.3295]\$,&[6.6754]\$,&[14.57]\$,&[15.669]\$,&[8.0798]\$,&[10.37]\$,&[11.66]\$  
&[11.748]\$,&[10.191]\$,&[11.91]\$,&[7.0959]\$,&[5.2389]\$,&[14.481]\$,&[17.436]\$,&[9.3218]\$,&[5.5961]\$,&[10.181]\$  
&[5.905]\$,&[11.12]\$,&[11.138]\$,&[7.7608]\$,&[8.005]\$,&[11.134]\$,&[12.172]\$,&[11.896]\$,&[8.7315]\$,&[9.9671]\$  
&[11.305]\$,&[9.4027]\$,&[12.536]\$,&[7.5522]\$,&[7.1039]\$,&[12.476]\$,&[15.648]\$,&[7.5252]\$,&[12.74]\$,&[10.968]\$  
&[9.513]\$,&[15.977]\$,&[15.061]\$,&[7.4677]\$,&[7.3928]\$,&[13.446]\$,&[11.603]\$,&[6.0032]\$,&[8.4179]\$,&[12.565]\$  
&[7.5017]\$,&[14.42]\$,&[12.677]\$,&[7.8813]\$,&[5.6478]\$,&[12.872]\$,&[14.18]\$,&[9.4445]\$,&[13.839]\$,&[10.281]\$  
&[7.3633]\$,&[9.1757]\$,&[13.039]\$,&[7.2467]\$,&[5.2418]\$,&[14.86]\$,&[14.342]\$,&[8.0715]\$,&[8.6647]\$,&[11.09]\$  
&[7.3145]\$,&[13.598]\$,&[15.037]\$,&[6.363]\$,&[8.1538]\$,&[17.327]\$,&[16.664]\$,&[9.1882]\$,&[12.642]\$,&[8.8005]\$  
&[7.4982]\$,&[9.6508]\$,&[10.914]\$,&[7.6575]\$,&[6.4541]\$,&[15.967]\$,&[14.94]\$,&[11.39]\$,&[10.078]\$,&[11.227]\$

#### EE18B116

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.033874

&[10.689]\$,&[15.992]\$,&[6.6386]\$,&[2.7406]\$,&[13.61]\$,&[11.938]\$,&[16.711]\$,&[6.0587]\$,&[13.946]\$,&[6.4398]\$  
&[10.505]\$,&[13.734]\$,&[6.9772]\$,&[4.0844]\$,&[13.373]\$,&[12.398]\$,&[16.886]\$,&[6.0019]\$,&[11.144]\$,&[10.898]\$  
&[12.271]\$,&[15.128]\$,&[7.0364]\$,&[4.8872]\$,&[14.073]\$,&[13.194]\$,&[14.59]\$,&[4.2894]\$,&[18.339]\$,&[5.9443]\$

BT2022\_qiii\_22\_alldata

&[7.5646]\$,&[13.28]\$,&[7.4914]\$,&[5.227]\$,&[14.038]\$,&[11.449]\$,&[13.075]\$,&[6.5428]\$,&[13.081]\$,&[8.3502]\$  
&[13.37]\$,&[16.079]\$,&[6.9326]\$,&[8.9132]\$,&[13.456]\$,&[12.996]\$,&[12.817]\$,&[7.5092]\$,&[13.155]\$,&[2.4987]\$  
&[9.8344]\$,&[15.846]\$,&[7.1756]\$,&[4.4577]\$,&[10.703]\$,&[13.021]\$,&[13.365]\$,&[7.931]\$,&[11.123]\$,&[11.892]\$  
&[8.4122]\$,&[13.817]\$,&[7.3888]\$,&[0.39957]\$,&[14.834]\$,&[15.16]\$,&[14.365]\$,&[7.439]\$,&[11.015]\$,&[13.449]\$  
&[10.702]\$,&[15.388]\$,&[6.6092]\$,&[3.9821]\$,&[13.966]\$,&[16.53]\$,&[16.311]\$,&[7.4258]\$,&[12.093]\$,&[3.8169]\$  
&[14.659]\$,&[12.24]\$,&[6.7587]\$,&[2.7552]\$,&[15.65]\$,&[13.724]\$,&[15.368]\$,&[8.1202]\$,&[10.844]\$,&[8.407]\$  
&[7.5205]\$,&[18.477]\$,&[7.0553]\$,&[7.4331]\$,&[9.0331]\$,&[10.932]\$,&[18.652]\$,&[7.905]\$,&[10.69]\$,&[8.8038]\$

#### EE18B123

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.040636

&[4.8392]\$,&[5.8381]\$,&[5.0935]\$,&[7.2646]\$,&[6.7837]\$,&[8.556]\$,&[5.6383]\$,&[9.0539]\$,&[4.8832]\$,&[7.9846]\$  
&[17.524]\$,&[7.3144]\$,&[13.087]\$,&[10.733]\$,&[14.316]\$,&[10.974]\$,&[13.283]\$,&[9.4338]\$,&[14.562]\$,&[14.631]\$  
&[13.108]\$,&[9.3431]\$,&[8.9222]\$,&[4.5759]\$,&[7.1476]\$,&[8.2234]\$,&[9.8574]\$,&[9.9598]\$,&[8.6897]\$,&[10.966]\$  
&[8.1767]\$,&[5.3312]\$,&[6.7888]\$,&[8.0104]\$,&[10.307]\$,&[9.6116]\$,&[6.5892]\$,&[9.1777]\$,&[7.6089]\$,&[10.097]\$  
&[9.1525]\$,&[9.2777]\$,&[9.8431]\$,&[6.2309]\$,&[12.68]\$,&[11.385]\$,&[5.8927]\$,&[6.6866]\$,&[9.2063]\$,&[6.5287]\$  
&[18.014]\$,&[14.777]\$,&[12.993]\$,&[12.726]\$,&[10.476]\$,&[11.909]\$,&[16.649]\$,&[12.171]\$,&[12.662]\$,&[13.918]\$  
&[2.758]\$,&[1.3271]\$,&[3.5713]\$,&[1.2985]\$,&[3.1849]\$,&[6.9148]\$,&[10.195]\$,&[-2.0948]\$,&[2.868]\$,&[10.398]\$  
&[8.7373]\$,&[8.3276]\$,&[9.7846]\$,&[9.1209]\$,&[9.2256]\$,&[7.2801]\$,&[11.846]\$,&[8.9703]\$,&[6.7613]\$,&[9.6]\$  
&[17.428]\$,&[12.829]\$,&[12.601]\$,&[17.177]\$,&[10.706]\$,&[11.072]\$,&[14.065]\$,&[16.447]\$,&[19.495]\$,&[15.044]\$  
&[8.8179]\$,&[8.0649]\$,&[6.5672]\$,&[4.841]\$,&[7.4319]\$,&[4.7826]\$,&[8.4682]\$,&[8.4131]\$,&[5.6423]\$,&[7.4136]\$

#### EE18B133

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.03523

&[14.954]\$,&[1.411]\$,&[12.708]\$,&[13.616]\$,&[18.204]\$,&[4.23]\$,&[5.3686]\$,&[3.5542]\$,&[20.027]\$,&[3.7099]\$  
&[13.757]\$,&[5.8204]\$,&[13.1]\$,&[12.346]\$,&[16.883]\$,&[4.2915]\$,&[8.8962]\$,&[3.4916]\$,&[16.504]\$,&[5.4413]\$

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&[12.738]$,&[6.0564]$,&[13.623]$,&[14.908]$,&[8.6798]$,&[5.7444]$,&[0.45702]$,&[5.2
65]$,&[19.722]$,&[3.3519]$
&[16.005]$,&[2.648]$,&[16.072]$,&[11.694]$,&[10.832]$,&[4.9454]$,&[0.59642]$,&[3.78
11]$,&[13.797]$,&[0.57918]$
&[15.727]$,&[3.1451]$,&[15.893]$,&[13.165]$,&[12.316]$,&[4.1571]$,&[8.7681]$,&[4.21
23]$,&[12.17]$,&[2.4555]$
&[14.536]$,&[0.26326]$,&[11.411]$,&[9.0671]$,&[13.861]$,&[5.5778]$,&[6.1571]$,&[4.8
863]$,&[13.966]$,&[1.7122]$
&[15.27]$,&[6.1737]$,&[15.361]$,&[11.927]$,&[12.215]$,&[4.6232]$,&[-1.0267]$,&[6.05
87]$,&[21.574]$,&[1.6879]$
&[14.407]$,&[5.5291]$,&[14.262]$,&[11.132]$,&[10.5]$,&[4.5366]$,&[7.6536]$,&[9.054]
$,&[10.639]$,&[0.10548]$
&[16.902]$,&[3.2734]$,&[14.196]$,&[4.3512]$,&[8.1003]$,&[4.3847]$,&[-2.6082]$,&[4.5
543]$,&[20.872]$,&[5.1514]$
&[16.032]$,&[3.3942]$,&[14.571]$,&[12.009]$,&[12.732]$,&[4.6672]$,&[7.838]$,&[4.592
1]$,&[14.82]$,&[5.9426]$

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#### EE18B144

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

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alpha = 0.011642
&[6.8155]$,&[13.179]$,&[3.7746]$,&[13.178]$,&[6.267]$,&[3.2562]$,&[6.8228]$,&[10.85
6]$,&[10.014]$,&[4.8827]$
&[8.7827]$,&[8.8903]$,&[6.3073]$,&[11.004]$,&[7.2151]$,&[6.1958]$,&[9.1623]$,&[15.9
64]$,&[8.5431]$,&[7.6244]$
&[6.4635]$,&[7.8362]$,&[9.1824]$,&[11.508]$,&[10.592]$,&[2.0908]$,&[10.85]$,&[16.09
9]$,&[11.56]$,&[8.2226]$
&[3.6041]$,&[10.217]$,&[2.8506]$,&[11.986]$,&[5.6143]$,&[3.732]$,&[7.6071]$,&[12.27
9]$,&[10.944]$,&[8.4041]$
&[5.2777]$,&[2.2059]$,&[9.3258]$,&[14.925]$,&[7.2693]$,&[2.4579]$,&[9.6698]$,&[10.7
57]$,&[9.8467]$,&[7.0258]$
&[6.7322]$,&[3.1526]$,&[7.1362]$,&[10.112]$,&[6.6913]$,&[0.66461]$,&[9.7697]$,&[13.
178]$,&[9.7571]$,&[8.3974]$
&[3.2541]$,&[2.3355]$,&[5.913]$,&[13.063]$,&[7.7936]$,&[6.4332]$,&[8.0806]$,&[9.864
2]$,&[12.371]$,&[4.8192]$
&[5.5058]$,&[7.0739]$,&[7.5358]$,&[14.495]$,&[1.0727]$,&[3.9944]$,&[5.4853]$,&[9.49
9]$,&[10.639]$,&[8.1201]$
&[3.7677]$,&[12.587]$,&[4.9834]$,&[15.247]$,&[3.4014]$,&[4.2854]$,&[7.3026]$,&[7.55
82]$,&[8.382]$,&[4.0731]$
&[9.2321]$,&[2.227]$,&[2.7203]$,&[13.385]$,&[5.9453]$,&[4.1587]$,&[6.914]$,&[14.559
]$,&[11.69]$,&[6.366]$

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#### EE18B156

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

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alpha = 0.030731
&[9.3663]$,&[6.0219]$,&[15.603]$,&[12.207]$,&[8.6366]$,&[11.708]$,&[9.0203]$,&[7.58
89]$,&[9.3399]$,&[10.491]$

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&[3.0966]\$,&[2.6318]\$,&[2.5648]\$,&[2.4129]\$,&[2.3807]\$,&[2.9568]\$,&[3.0635]\$,&[3.2514]\$,&[3.7714]\$,&[3.676]\$  
&[1.8269]\$,&[7.8198]\$,&[7.0953]\$,&[4.0701]\$,&[1.1455]\$,&[4.7597]\$,&[3.1197]\$,&[7.6806]\$,&[7.2625]\$,&[8.3435]\$  
&[9.98]\$,&[11.241]\$,&[10.557]\$,&[11.992]\$,&[9.5121]\$,&[11.331]\$,&[12.36]\$,&[12.172]\$,&[11.232]\$,&[11.87]\$  
&[9.5049]\$,&[13.786]\$,&[16.46]\$,&[11.285]\$,&[14.665]\$,&[13.865]\$,&[7.0087]\$,&[9.6968]\$,&[15.166]\$,&[15.342]\$  
&[11.368]\$,&[5.5201]\$,&[8.2999]\$,&[0.35009]\$,&[2.3391]\$,&[4.5602]\$,&[6.8503]\$,&[6.5393]\$,&[3.5002]\$,&[4.9114]\$  
&[11.901]\$,&[16.224]\$,&[8.5448]\$,&[10.498]\$,&[10.695]\$,&[8.0333]\$,&[8.605]\$,&[15.235]\$,&[11.49]\$,&[15.381]\$  
&[7.245]\$,&[3.2917]\$,&[5.588]\$,&[8.954]\$,&[4.5133]\$,&[3.6787]\$,&[8.4339]\$,&[7.6997]\$,&[4.5333]\$,&[2.6706]\$  
&[8.3657]\$,&[7.4005]\$,&[8.4797]\$,&[7.5812]\$,&[8.3158]\$,&[8.7033]\$,&[8.2341]\$,&[7.5919]\$,&[8.3624]\$,&[8.218]\$  
&[13.139]\$,&[14.343]\$,&[14.043]\$,&[13.663]\$,&[12.789]\$,&[14.35]\$,&[13.425]\$,&[14.835]\$,&[13.676]\$,&[15.192]\$

#### EE18B158

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.035982

&[7.6317]\$,&[3.0742]\$,&[5.4306]\$,&[7.6248]\$,&[3.3899]\$,&[3.0117]\$,&[3.8102]\$,&[6.8033]\$,&[5.1474]\$,&[4.0001]\$  
&[6.2522]\$,&[9.3337]\$,&[9.3808]\$,&[13.175]\$,&[7.8383]\$,&[8.2268]\$,&[4.8216]\$,&[8.9106]\$,&[4.0468]\$,&[5.1768]\$  
&[9.6464]\$,&[7.8422]\$,&[8.9926]\$,&[8.5522]\$,&[7.6608]\$,&[9.3248]\$,&[8.0048]\$,&[7.9852]\$,&[9.766]\$,&[8.2884]\$  
&[12.563]\$,&[9.5748]\$,&[11.106]\$,&[12.47]\$,&[8.1303]\$,&[14.052]\$,&[10.637]\$,&[10.447]\$,&[10.797]\$,&[4.4959]\$  
&[7.2877]\$,&[2.2824]\$,&[3.0873]\$,&[5.4902]\$,&[4.1484]\$,&[3.6283]\$,&[1.9625]\$,&[-3.6979]\$,&[4.2967]\$,&[-2.7349]\$  
&[2.3923]\$,&[4.6215]\$,&[2.4]\$,&[4.4743]\$,&[2.5531]\$,&[6.1116]\$,&[3.5268]\$,&[3.0411]\$,&[5.1827]\$,&[3.778]\$  
&[9.4462]\$,&[10.663]\$,&[8.4662]\$,&[12.338]\$,&[5.2598]\$,&[8.072]\$,&[8.6718]\$,&[4.0705]\$,&[10.514]\$,&[6.1328]\$  
&[7.5022]\$,&[6.0065]\$,&[5.6659]\$,&[6.2021]\$,&[2.9651]\$,&[7.5218]\$,&[10.156]\$,&[3.5018]\$,&[5.6972]\$,&[7.7523]\$  
&[2.0667]\$,&[2.0933]\$,&[4.0119]\$,&[1.7499]\$,&[-1.3091]\$,&[3.7139]\$,&[4.5132]\$,&[1.9402]\$,&[4.9743]\$,&[4.44]\$  
&[10.844]\$,&[5.9485]\$,&[9.6372]\$,&[8.1242]\$,&[10.698]\$,&[11.962]\$,&[7.0144]\$,&[10.43]\$,&[14.136]\$,&[7.1975]\$

#### EE19B004

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.022358

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&[13.025]\$,&[6.2242]\$,&[7.482]\$,&[15.611]\$,&[13.298]\$,&[18.423]\$,&[12.288]\$,&[4.191]  
]\$,&[9.1039]\$,&[7.7188]\$  
&[12.633]\$,&[2.6548]\$,&[8.9401]\$,&[12.722]\$,&[14.754]\$,&[13.044]\$,&[12.389]\$,&[1.67  
49]\$,&[5.8688]\$,&[4.6551]\$  
&[10.697]\$,&[11.241]\$,&[7.9965]\$,&[14.843]\$,&[14.971]\$,&[17.056]\$,&[12.589]\$,&[4.50  
34]\$,&[11.947]\$,&[7.7213]\$  
&[13.083]\$,&[4.934]\$,&[7.353]\$,&[8.0303]\$,&[14.511]\$,&[14.27]\$,&[11.785]\$,&[2.3001]  
\$,&[15.746]\$,&[10.948]\$  
&[13.074]\$,&[5.5528]\$,&[9.2583]\$,&[10.779]\$,&[14.723]\$,&[12.618]\$,&[12.008]\$,&[7.00  
49]\$,&[3.2238]\$,&[7.5278]\$  
&[10.407]\$,&[8.3889]\$,&[8.2192]\$,&[5.833]\$,&[15.457]\$,&[16.7]\$,&[12.44]\$,&[3.2715]\$  
,&[10.628]\$,&[5.493]\$  
&[12.544]\$,&[7.3853]\$,&[7.3922]\$,&[9.6724]\$,&[14.517]\$,&[12.222]\$,&[12.019]\$,&[0.63  
467]\$,&[7.9967]\$,&[6.0471]\$  
&[11.257]\$,&[7.427]\$,&[7.1026]\$,&[14.451]\$,&[14.191]\$,&[11.053]\$,&[12.476]\$,&[1.653  
3]\$,&[8.7478]\$,&[8.0754]\$  
&[11.115]\$,&[5.6362]\$,&[8.3692]\$,&[10.452]\$,&[15.783]\$,&[18.299]\$,&[12.49]\$,&[5.239  
1]\$,&[8.4624]\$,&[9.5479]\$  
&[12.542]\$,&[7.7307]\$,&[7.5847]\$,&[9.7053]\$,&[14.037]\$,&[12.654]\$,&[11.322]\$,&[3.39  
22]\$,&[1.4599]\$,&[1.0018]\$

EE19B007

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0024264

&[9.1586]\$,&[2.6475]\$,&[17.712]\$,&[9.8842]\$,&[6.4285]\$,&[6.7642]\$,&[7.6314]\$,&[10.9  
46]\$,&[13.404]\$,&[4.1791]\$  
&[2.094]\$,&[2.1458]\$,&[12.055]\$,&[14.95]\$,&[6.7526]\$,&[6.5426]\$,&[-0.85108]\$,&[9.68  
78]\$,&[14.019]\$,&[0.49849]\$  
&[7.8925]\$,&[2.0445]\$,&[10.961]\$,&[14.581]\$,&[6.721]\$,&[9.1164]\$,&[6.8755]\$,&[6.829  
2]\$,&[12.596]\$,&[2.0697]\$  
&[5.8427]\$,&[4.3219]\$,&[14.831]\$,&[14.568]\$,&[7.2063]\$,&[6.6748]\$,&[3.4746]\$,&[6.77  
34]\$,&[11.554]\$,&[4.4123]\$  
&[2.1772]\$,&[-1.4572]\$,&[11.936]\$,&[13.516]\$,&[7.7489]\$,&[9.3876]\$,&[7.092]\$,&[4.60  
14]\$,&[12.456]\$,&[-0.3782]\$  
&[3.9185]\$,&[5.1878]\$,&[13.031]\$,&[16.566]\$,&[9.037]\$,&[8.735]\$,&[4.6722]\$,&[9.1176  
]\$,&[9.2441]\$,&[3.3581]\$  
&[1.3855]\$,&[5.7659]\$,&[12.014]\$,&[12.482]\$,&[5.5197]\$,&[7.0255]\$,&[4.3463]\$,&[4.39  
05]\$,&[9.9542]\$,&[-0.053604]\$  
&[2.67]\$,&[3.8741]\$,&[10.823]\$,&[11.595]\$,&[5.2918]\$,&[9.6185]\$,&[8.595]\$,&[3.8807]  
\$,&[15.347]\$,&[3.07]\$  
&[6.7532]\$,&[3.8083]\$,&[12.246]\$,&[11.811]\$,&[4.5896]\$,&[6.4405]\$,&[4.3145]\$,&[6.04  
87]\$,&[16.019]\$,&[3.1725]\$  
&[-2.6116]\$,&[5.2567]\$,&[9.1771]\$,&[14.734]\$,&[3.1356]\$,&[7.8011]\$,&[8.8593]\$,&[7.2  
011]\$,&[12.876]\$,&[1.9715]\$

EE19B008

BT2022\_qiii\_22\_alldata

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0010277

&[8.0552]\$,&[5.7581]\$,&[7.4288]\$,&[2.6353]\$,&[6.4782]\$,&[7.3423]\$,&[2.6852]\$,&[3.0311]\$,&[8.3103]\$,&[5.7818]\$  
&[1.1394]\$,&[3.215]\$,&[2.9708]\$,&[2.2989]\$,&[5.5298]\$,&[3.725]\$,&[6.3577]\$,&[-1.2409]\$,&[5.3632]\$,&[4.5821]\$  
&[3.3837]\$,&[3.1323]\$,&[5.6452]\$,&[6.0055]\$,&[5.0914]\$,&[-0.017108]\$,&[6.9593]\$,&[3.304]\$,&[5.9011]\$,&[6.1958]\$  
&[9.5642]\$,&[10.806]\$,&[9.6575]\$,&[8.678]\$,&[13.211]\$,&[7.7144]\$,&[8.2025]\$,&[8.4136]\$,&[16.037]\$,&[7.5663]\$  
&[2.1746]\$,&[2.9189]\$,&[2.8095]\$,&[2.3872]\$,&[1.95]\$,&[2.6507]\$,&[2.942]\$,&[2.4908]\$,&[2.5026]\$,&[3.1229]\$  
&[8.8028]\$,&[9.2455]\$,&[13.828]\$,&[11.893]\$,&[12.866]\$,&[13.865]\$,&[9.289]\$,&[11.598]\$,&[12.482]\$,&[11.082]\$  
&[14.535]\$,&[15.057]\$,&[16.32]\$,&[12.423]\$,&[16.585]\$,&[11.73]\$,&[12.223]\$,&[9.8298]\$,&[14.541]\$,&[10.07]\$  
&[13.874]\$,&[14.315]\$,&[11.297]\$,&[12.01]\$,&[11.065]\$,&[11.951]\$,&[12.71]\$,&[13.771]\$,&[10.738]\$,&[13.68]\$  
&[5.809]\$,&[8.6744]\$,&[6.2078]\$,&[6.9882]\$,&[4.2728]\$,&[4.8851]\$,&[6.8436]\$,&[7.5989]\$,&[5.7776]\$,&[7.7222]\$  
&[5.6931]\$,&[11.3]\$,&[8.5063]\$,&[9.0027]\$,&[12.908]\$,&[9.8981]\$,&[9.9843]\$,&[11.706]\$,&[7.8655]\$,&[10.141]\$

#### EE19B010

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.036635

&[11.339]\$,&[12.053]\$,&[16.435]\$,&[4.5682]\$,&[11.531]\$,&[5.1927]\$,&[13.407]\$,&[12.133]\$,&[5.0016]\$,&[19.24]\$  
&[12.745]\$,&[13.29]\$,&[14.183]\$,&[3.3758]\$,&[12.779]\$,&[2.9644]\$,&[17.453]\$,&[4.8554]\$,&[6.5771]\$,&[15.315]\$  
&[9.1043]\$,&[8.4202]\$,&[14.397]\$,&[4.7979]\$,&[17.165]\$,&[4.5952]\$,&[16.596]\$,&[11.303]\$,&[6.9093]\$,&[9.1619]\$  
&[6.8047]\$,&[10.013]\$,&[17.02]\$,&[3.2041]\$,&[13.639]\$,&[0.72724]\$,&[17.071]\$,&[8.527]\$,&[5.9039]\$,&[13.426]\$  
&[7.1683]\$,&[12.648]\$,&[12.348]\$,&[5.8042]\$,&[14.95]\$,&[1.0392]\$,&[9.7551]\$,&[6.8599]\$,&[9.5261]\$,&[14.286]\$  
&[10.686]\$,&[11.383]\$,&[12.443]\$,&[6.6547]\$,&[14.664]\$,&[1.5856]\$,&[13.312]\$,&[2.5556]\$,&[9.1087]\$,&[14.409]\$  
&[10.446]\$,&[14.334]\$,&[13.781]\$,&[1.2363]\$,&[14.342]\$,&[0.42207]\$,&[14.422]\$,&[7.4675]\$,&[7.53]\$,&[14.972]\$  
&[5.8422]\$,&[13.628]\$,&[17.744]\$,&[5.0083]\$,&[8.8147]\$,&[0.54944]\$,&[13.817]\$,&[6.6654]\$,&[4.1454]\$,&[14.446]\$  
&[10.742]\$,&[9.5487]\$,&[15.734]\$,&[4.69]\$,&[16.652]\$,&[3.575]\$,&[16.424]\$,&[7.0613]\$,&[8.3564]\$,&[9.8555]\$  
&[5.9715]\$,&[11.537]\$,&[14.187]\$,&[1.7103]\$,&[14.213]\$,&[1.7085]\$,&[19.464]\$,&[7.9615]\$,&[3.9579]\$,&[12.617]\$

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EE19B013

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.020006

&[6.424]\$,&[13.98]\$,&[9.0133]\$,&[9.6666]\$,&[2.561]\$,&[4.9517]\$,&[11.661]\$,&[4.3877]\$,&[1.4229]\$,&[6.9839]\$  
&[2.2279]\$,&[12.048]\$,&[8.6738]\$,&[5.2638]\$,&[4.0464]\$,&[5.5141]\$,&[11.867]\$,&[3.7829]\$,&[6.8251]\$,&[5.6754]\$  
&[5.7138]\$,&[12.148]\$,&[7.5952]\$,&[8.657]\$,&[2.7744]\$,&[3.3918]\$,&[6.3933]\$,&[2.6199]\$,&[3.8972]\$,&[11.478]\$  
&[6.5322]\$,&[10.612]\$,&[7.2595]\$,&[5.2402]\$,&[2.2773]\$,&[4.5297]\$,&[7.1457]\$,&[3.0569]\$,&[4.9329]\$,&[10.607]\$  
&[3.9501]\$,&[11.248]\$,&[10.082]\$,&[4.4845]\$,&[1.3169]\$,&[5.9919]\$,&[8.1884]\$,&[3.3063]\$,&[2.065]\$,&[6.4986]\$  
&[6.7971]\$,&[12.276]\$,&[8.4893]\$,&[6.9252]\$,&[6.9038]\$,&[4.6516]\$,&[10.758]\$,&[4.3411]\$,&[8.433]\$,&[11.935]\$  
&[4.604]\$,&[11.126]\$,&[4.7484]\$,&[4.0117]\$,&[1.6957]\$,&[4.3708]\$,&[12.221]\$,&[2.6856]\$,&[3.3471]\$,&[8.3506]\$  
&[9.1938]\$,&[11.736]\$,&[7.5567]\$,&[3.1409]\$,&[2.364]\$,&[4.0902]\$,&[16.258]\$,&[4.1154]\$,&[7.3444]\$,&[13.893]\$  
&[1.8852]\$,&[14.207]\$,&[9.5362]\$,&[4.3009]\$,&[6.3616]\$,&[6.9008]\$,&[14.375]\$,&[3.889]\$,&[7.3715]\$,&[7.5958]\$  
&[7.6356]\$,&[12.858]\$,&[9.3529]\$,&[3.2583]\$,&[6.9793]\$,&[6.9083]\$,&[7.9422]\$,&[3.0475]\$,&[4.8168]\$,&[8.635]\$

EE19B014

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.042086

&[7.1093]\$,&[8.4629]\$,&[12.804]\$,&[9.3117]\$,&[7.4012]\$,&[12.195]\$,&[6.5451]\$,&[10.764]\$,&[12.107]\$,&[6.9692]\$  
&[3.9518]\$,&[4.2573]\$,&[1.382]\$,&[-0.16246]\$,&[5.9598]\$,&[0.67647]\$,&[0.88318]\$,&[2.816]\$,&[6.2072]\$,&[-2.5454]\$  
&[11.632]\$,&[11.171]\$,&[14.618]\$,&[15.258]\$,&[12.305]\$,&[9.0591]\$,&[14.029]\$,&[13.806]\$,&[12.919]\$,&[13.38]\$  
&[4.81]\$,&[11.114]\$,&[11.715]\$,&[4.9296]\$,&[4.9998]\$,&[5.0271]\$,&[11.249]\$,&[4.7175]\$,&[11.04]\$,&[11.129]\$  
&[3.5662]\$,&[5.9142]\$,&[4.7774]\$,&[5.2819]\$,&[6.3896]\$,&[1.4095]\$,&[3.1988]\$,&[1.7614]\$,&[3.1363]\$,&[3.0914]\$  
&[3.8094]\$,&[5.8548]\$,&[1.8221]\$,&[5.3156]\$,&[4.0613]\$,&[5.8385]\$,&[8.3756]\$,&[5.9208]\$,&[7.9573]\$,&[5.5545]\$  
&[1.9167]\$,&[1.957]\$,&[2.9993]\$,&[2.3945]\$,&[3.8877]\$,&[3.0925]\$,&[1.4857]\$,&[2.887]\$,&[1.3027]\$,&[2.9134]\$  
&[7.725]\$,&[7.5156]\$,&[5.296]\$,&[4.1407]\$,&[3.1481]\$,&[6.336]\$,&[2.622]\$,&[1.9103]\$,&[2.3228]\$,&[3.4738]\$  
&[13.386]\$,&[14.245]\$,&[10.776]\$,&[11.074]\$,&[11.683]\$,&[15.096]\$,&[13.735]\$,&[15.579]\$,&[11.272]\$,&[12.413]\$  
&[16.532]\$,&[10.35]\$,&[11.359]\$,&[10.601]\$,&[13.417]\$,&[15.299]\$,&[16.062]\$,&[15.46

]\$,&amp;[11.171]\$,&amp;[14.219]\$

## EE19B017

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.029017

&[-0.82472]\$,&[0.49795]\$,&[0.8982]\$,&[0.084868]\$,&[2.0454]\$,&[12.697]\$,&[2.0395]\$,&  
 [7.5687]\$,&[4.014]\$,&[8.5908]\$  
 &[7.6946]\$,&[2.2446]\$,&[0.39878]\$,&[4.5799]\$,&[6.6903]\$,&[10.979]\$,&[5.2235]\$,&[6.0  
 888]\$,&[3.3092]\$,&[15.118]\$  
 &[4.9363]\$,&[-1.0861]\$,&[2.6145]\$,&[6.4108]\$,&[-1.4127]\$,&[13.001]\$,&[8.9584]\$,&[6.  
 4219]\$,&[5.2541]\$,&[13.751]\$  
 &[2.1702]\$,&[5.4182]\$,&[3.4136]\$,&[3.3728]\$,&[3.5461]\$,&[8.5048]\$,&[1.882]\$,&[7.011  
 ]\$,&[4.2954]\$,&[10.49]\$  
 &[9.6805]\$,&[1.2047]\$,&[1.8648]\$,&[4.7934]\$,&[2.864]\$,&[10.918]\$,&[3.8332]\$,&[4.706  
 ]\$,&[5.8776]\$,&[8.4221]\$  
 &[9.8417]\$,&[4.659]\$,&[4.0334]\$,&[2.6083]\$,&[3.3336]\$,&[12.315]\$,&[6.0282]\$,&[5.068  
 6]\$,&[4.3812]\$,&[8.1614]\$  
 &[7.496]\$,&[0.23741]\$,&[1.4693]\$,&[1.4378]\$,&[5.4327]\$,&[11.684]\$,&[0.7978]\$,&[5.09  
 12]\$,&[3.5935]\$,&[4.0638]\$  
 &[14.271]\$,&[4.8499]\$,&[3.9145]\$,&[0.94294]\$,&[0.91548]\$,&[12.68]\$,&[3.5469]\$,&[2.4  
 154]\$,&[4.2159]\$,&[2.9806]\$  
 &[7.0716]\$,&[6.3176]\$,&[3.878]\$,&[4.841]\$,&[1.6831]\$,&[15.993]\$,&[4.1103]\$,&[8.2601  
 ]\$,&[5.7255]\$,&[9.0044]\$  
 &[2.7797]\$,&[0.10099]\$,&[-0.25182]\$,&[4.1924]\$,&[0.41354]\$,&[12.187]\$,&[4.8699]\$,&[  
 3.0826]\$,&[2.7183]\$,&[5.3299]\$

## EE19B019

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.034977

&[10.346]\$,&[8.0678]\$,&[14.425]\$,&[11.307]\$,&[3.5567]\$,&[11.837]\$,&[10.508]\$,&[12.2  
 71]\$,&[12.002]\$,&[14.651]\$  
 &[12.112]\$,&[9.0597]\$,&[15.816]\$,&[10.415]\$,&[3.0608]\$,&[10.447]\$,&[13.456]\$,&[11.8  
 26]\$,&[16.086]\$,&[14.268]\$  
 &[9.5287]\$,&[10.886]\$,&[15.147]\$,&[12.353]\$,&[5.8287]\$,&[8.9766]\$,&[13.559]\$,&[12.8  
 2]\$,&[14.502]\$,&[11.492]\$  
 &[11.828]\$,&[11.175]\$,&[18.221]\$,&[11.875]\$,&[2.297]\$,&[10.112]\$,&[14.793]\$,&[11.52  
 6]\$,&[10.267]\$,&[13.766]\$  
 &[10.924]\$,&[9.5098]\$,&[12.133]\$,&[10.487]\$,&[3.6171]\$,&[8.3588]\$,&[10.434]\$,&[12.9  
 21]\$,&[14.561]\$,&[10.968]\$  
 &[14.982]\$,&[7.9646]\$,&[14.541]\$,&[9.3243]\$,&[5.1117]\$,&[8.8398]\$,&[13.6]\$,&[12.231  
 ]\$,&[9.8287]\$,&[15.554]\$  
 &[12.956]\$,&[11.507]\$,&[20.289]\$,&[13.089]\$,&[4.7609]\$,&[10.116]\$,&[12.265]\$,&[12.4  
 95]\$,&[11.693]\$,&[14.89]\$  
 &[8.5302]\$,&[10.532]\$,&[13.291]\$,&[10.76]\$,&[3.6558]\$,&[14.528]\$,&[14.714]\$,&[14.30  
 1]\$,&[12.541]\$,&[10.977]\$  
 &[14.826]\$,&[10.677]\$,&[15.568]\$,&[10.827]\$,&[2.2901]\$,&[13.705]\$,&[11.293]\$,&[11.8

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2],&[12.901],&[15.684]  
&[13.257],&[8.4554],&[13.586],&[12.017],&[5.2086],&[7.3347],&[11.78],&[12.38  
8],&[11.554],&[11.705]

EE19B021

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.016209  
&[14.417],&[4.3359],&[6.5045],&[9.9675],&[4.3139],&[6.9414],&[10.554],&[15.1  
28],&[9.0741],&[2.1218]  
&[8.5509],&[7.4159],&[-0.92841],&[14.78],&[7.0165],&[8.2922],&[4.3274],&[11.  
822],&[10.802],&[2.525]  
&[14.52],&[4.9345],&[5.8049],&[14.474],&[4.2323],&[8.8948],&[6.4074],&[14.42  
5],&[15.594],&[-0.38097]  
&[11.653],&[10.134],&[5.6891],&[13.213],&[6.7417],&[11.824],&[2.7438],&[11.5  
81],&[16.505],&[4.6157]  
&[13.057],&[7.72],&[5.4909],&[12.376],&[6.2739],&[14.296],&[1.7312],&[17.325  
],&[14.991],&[4.6055]  
&[8.1585],&[9.4309],&[3.0791],&[13.255],&[5.5482],&[10.44],&[3.991],&[5.0214  
],&[15.145],&[2.6902]  
&[10.222],&[6.1885],&[5.1603],&[15.409],&[6.6298],&[6.9301],&[6.3819],&[16.9  
01],&[8.0601],&[5.2658]  
&[6.6534],&[6.0069],&[6.2074],&[16.852],&[9.1433],&[11.989],&[6.0288],&[18.0  
75],&[15.474],&[6.368]  
&[10.537],&[8.793],&[0.60608],&[10.707],&[7.6669],&[3.924],&[3.17],&[14.253]  
\$,&[12.948],&[4.8788]  
&[7.8218],&[6.3176],&[5.5115],&[19.4],&[2.2197],&[7.9342],&[3.7067],&[16.592  
],&[8.0975],&[6.0907]

EE19B024

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.043211  
&[6.1375],&[10.703],&[10.023],&[3.3166],&[11.215],&[5.4773],&[7.4793],&[12.9  
27],&[12.074],&[10.438]  
&[6.3389],&[14.12],&[9.2459],&[5.2029],&[11.871],&[5.1617],&[0.23322],&[17.4  
82],&[11.098],&[10.584]  
&[6.5174],&[15.598],&[8.2181],&[4.9963],&[11.015],&[5.1714],&[9.6968],&[12.2  
11],&[13.61],&[11.102]  
&[16.008],&[12.375],&[5.3333],&[5.7539],&[13.821],&[0.67197],&[5.1618],&[11.  
477],&[8.8356],&[10.643]  
&[12.789],&[10.986],&[8.9112],&[8.0561],&[12.456],&[3.2309],&[3.2571],&[9.32  
69],&[15.419],&[11.358]  
&[10.643],&[12.366],&[7.128],&[3.5664],&[12.28],&[1.5021],&[8.3126],&[10.155  
],&[15.387],&[9.7568]  
&[11.828],&[8.7495],&[7.0611],&[7.4907],&[9.7008],&[6.0963],&[5.6454],&[8.39  
6],&[14.838],&[9.8679]  
&[11.425],&[10.623],&[7.9427],&[1.1952],&[11.49],&[4.4568],&[4.4315],&[13.77

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9]\$,&[9.4061]\$,&[10.638]\$  
&[6.5682]\$,&[12.761]\$,&[6.1847]\$,&[4.4417]\$,&[11.15]\$,&[8.0864]\$,&[5.6877]\$,&[12.54  
7]\$,&[11.12]\$,&[10.846]\$  
&[9.8594]\$,&[9.2611]\$,&[7.5727]\$,&[2.734]\$,&[13.143]\$,&[0.1046]\$,&[8.4465]\$,&[11.15  
]\$,&[11.847]\$,&[9.859]\$

#### EE19B029

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.032662  
&[6.4731]\$,&[13.523]\$,&[7.5657]\$,&[15.869]\$,&[12.065]\$,&[17.921]\$,&[-1.1227]\$,&[8.6  
593]\$,&[5.6522]\$,&[8.524]\$  
&[6.2175]\$,&[7.3052]\$,&[3.8137]\$,&[15.711]\$,&[11.093]\$,&[15.206]\$,&[6.0446]\$,&[11.4  
78]\$,&[3.8866]\$,&[9.0013]\$  
&[3.1705]\$,&[7.5719]\$,&[7.3011]\$,&[11.828]\$,&[10.592]\$,&[17.508]\$,&[1.6996]\$,&[6.25  
79]\$,&[9.7355]\$,&[10.88]\$  
&[3.8444]\$,&[7.129]\$,&[8.7322]\$,&[12.292]\$,&[14.215]\$,&[16.032]\$,&[1.1746]\$,&[9.565  
7]\$,&[7.3282]\$,&[11.734]\$  
&[6.6126]\$,&[8.8862]\$,&[8.0967]\$,&[17.239]\$,&[12.861]\$,&[18.29]\$,&[5.7197]\$,&[7.579  
2]\$,&[3.9436]\$,&[8.6864]\$  
&[5.6828]\$,&[6.1549]\$,&[4.0154]\$,&[10.162]\$,&[12.125]\$,&[13.239]\$,&[5.9422]\$,&[12.0  
29]\$,&[4.6567]\$,&[11.699]\$  
&[5.1796]\$,&[5.8838]\$,&[6.8507]\$,&[15.158]\$,&[10.683]\$,&[14.029]\$,&[4.7322]\$,&[9.54  
13]\$,&[7.6864]\$,&[9.9024]\$  
&[7.6756]\$,&[3.501]\$,&[9.1051]\$,&[10.667]\$,&[14.068]\$,&[13.896]\$,&[4.3052]\$,&[8.965  
5]\$,&[6.9008]\$,&[7.3505]\$  
&[6.0087]\$,&[10.75]\$,&[11.366]\$,&[13.867]\$,&[13.669]\$,&[17.419]\$,&[3.8987]\$,&[8.763  
5]\$,&[7.379]\$,&[7.8036]\$  
&[4.7494]\$,&[13.097]\$,&[10.023]\$,&[16.203]\$,&[10.501]\$,&[14.926]\$,&[4.0867]\$,&[10.0  
09]\$,&[6.6171]\$,&[10.798]\$

#### EE19B030

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.034377  
&[0.54684]\$,&[4.4206]\$,&[5.932]\$,&[15.511]\$,&[8.6509]\$,&[8.393]\$,&[12.84]\$,&[11.525  
]\$,&[9.1065]\$,&[-0.037498]\$  
&[0.96564]\$,&[6.8704]\$,&[7.587]\$,&[9.9239]\$,&[9.6554]\$,&[8.9595]\$,&[11.816]\$,&[11.2  
23]\$,&[8.926]\$,&[2.8522]\$  
&[0.81585]\$,&[4.6075]\$,&[6.9621]\$,&[10.554]\$,&[9.1984]\$,&[9.2645]\$,&[11.763]\$,&[15.  
6]\$,&[9.1582]\$,&[-1.2714]\$  
&[1.3059]\$,&[-0.89211]\$,&[6.3742]\$,&[13.457]\$,&[8.8448]\$,&[4.5823]\$,&[10.333]\$,&[14  
.794]\$,&[8.8245]\$,&[2.4297]\$  
&[4.1325]\$,&[5.8585]\$,&[7.1177]\$,&[8.8729]\$,&[7.9467]\$,&[7.5588]\$,&[11.48]\$,&[11.13  
8]\$,&[9.032]\$,&[0.69113]\$  
&[2.566]\$,&[0.31121]\$,&[7.255]\$,&[4.9314]\$,&[8.0475]\$,&[7.086]\$,&[10.694]\$,&[16.358  
]\$,&[8.7]\$,&[9.3663]\$  
&[6.1238]\$,&[2.7078]\$,&[9.6332]\$,&[14.001]\$,&[8.6075]\$,&[6.2355]\$,&[12.014]\$,&[8.73

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07]\$,&[9.1131]\$,&[6.6549]\$  
&[2.0168]\$,&[3.6997]\$,&[5.378]\$,&[9.3654]\$,&[8.5741]\$,&[5.4332]\$,&[12.669]\$,&[12.76  
5]\$,&[8.8005]\$,&[2.7595]\$  
&[2.3323]\$,&[3.0396]\$,&[7.943]\$,&[9.7655]\$,&[8.7758]\$,&[7.2185]\$,&[12.875]\$,&[11.02  
1]\$,&[8.9103]\$,&[0.48044]\$  
&[1.8125]\$,&[6.5604]\$,&[4.3232]\$,&[17.299]\$,&[8.2506]\$,&[7.0878]\$,&[14.076]\$,&[12.7  
85]\$,&[8.7019]\$,&[3.3568]\$

EE19B033

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.025475  
&[12.165]\$,&[14.02]\$,&[8.2187]\$,&[7.7609]\$,&[17.75]\$,&[12.1]\$,&[12.095]\$,&[13.064]\$  
,&[10.13]\$,&[11.606]\$  
&[5.1616]\$,&[9.7321]\$,&[6.8351]\$,&[10.451]\$,&[9.6515]\$,&[10.155]\$,&[11.78]\$,&[13.69  
3]\$,&[11.954]\$,&[10.907]\$  
&[12.924]\$,&[5.9814]\$,&[6.6988]\$,&[0.93786]\$,&[14.448]\$,&[11.78]\$,&[12.022]\$,&[14.5  
32]\$,&[13.738]\$,&[10.412]\$  
&[9.4132]\$,&[5.9051]\$,&[12.205]\$,&[11.649]\$,&[11.791]\$,&[15.208]\$,&[11.778]\$,&[14.2  
73]\$,&[9.9935]\$,&[9.3787]\$  
&[13.81]\$,&[7.6126]\$,&[11.245]\$,&[4.5187]\$,&[11.315]\$,&[13.926]\$,&[12.184]\$,&[11.52  
8]\$,&[12.965]\$,&[6.6894]\$  
&[10.97]\$,&[6.4774]\$,&[7.2997]\$,&[10.305]\$,&[15.404]\$,&[9.4485]\$,&[12.193]\$,&[13.32  
2]\$,&[13.505]\$,&[14.225]\$  
&[10.89]\$,&[5.306]\$,&[8.5321]\$,&[11.742]\$,&[10.412]\$,&[13.749]\$,&[12.277]\$,&[14.866  
]\$,&[11.125]\$,&[10.138]\$  
&[10.264]\$,&[5.7514]\$,&[12.016]\$,&[11.954]\$,&[11.3]\$,&[12.153]\$,&[12.067]\$,&[12.427  
]\$,&[12.116]\$,&[10.281]\$  
&[13.953]\$,&[8.9254]\$,&[9.8682]\$,&[10.65]\$,&[17.846]\$,&[9.5451]\$,&[11.986]\$,&[14.74  
4]\$,&[13.443]\$,&[11.533]\$  
&[9.7914]\$,&[9.5541]\$,&[10.64]\$,&[9.6055]\$,&[10.096]\$,&[15.886]\$,&[11.999]\$,&[13.02  
3]\$,&[13.38]\$,&[9.3192]\$

EE19B036

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.032924  
&[13.222]\$,&[8.1608]\$,&[9.3573]\$,&[14.825]\$,&[9.1441]\$,&[12.642]\$,&[7.2995]\$,&[10.9  
69]\$,&[11.984]\$,&[9.9855]\$  
&[10.792]\$,&[12.679]\$,&[12.667]\$,&[14.037]\$,&[11.181]\$,&[13.239]\$,&[11.359]\$,&[14.1  
71]\$,&[15.054]\$,&[8.2484]\$  
&[3.8349]\$,&[3.8047]\$,&[4.4552]\$,&[3.3186]\$,&[3.2783]\$,&[4.0489]\$,&[3.225]\$,&[3.934  
5]\$,&[3.733]\$,&[3.3737]\$  
&[10.308]\$,&[7.5228]\$,&[8.5173]\$,&[8.6508]\$,&[10.218]\$,&[7.7496]\$,&[5.9797]\$,&[13.0  
67]\$,&[12.745]\$,&[11.399]\$  
&[11.599]\$,&[12.17]\$,&[9.7082]\$,&[6.5439]\$,&[14.003]\$,&[7.9488]\$,&[6.2837]\$,&[8.703  
4]\$,&[6.8616]\$,&[7.9]\$  
&[8.607]\$,&[12.693]\$,&[9.0925]\$,&[10.135]\$,&[9.6205]\$,&[7.2966]\$,&[8.879]\$,&[8.3205]

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]\$,&[10.213]\$,&[7.0342]\$  
&[7.6811]\$,&[12.711]\$,&[13.189]\$,&[13.192]\$,&[8.2128]\$,&[12.346]\$,&[8.0974]\$,&[13.1  
8]\$,&[5.9068]\$,&[8.9859]\$  
&[0.5999]\$,&[2.453]\$,&[0.83961]\$,&[3.9595]\$,&[3.3875]\$,&[1.5843]\$,&[2.3017]\$,&[0.39  
116]\$,&[2.0561]\$,&[4.0973]\$  
&[2.6883]\$,&[-0.40398]\$,&[2.979]\$,&[0.29395]\$,&[2.0052]\$,&[1.4038]\$,&[2.3024]\$,&[4.  
1818]\$,&[3.1575]\$,&[4.4506]\$  
&[11.184]\$,&[6.9301]\$,&[7.2673]\$,&[12.859]\$,&[2.3659]\$,&[6.8815]\$,&[8.9849]\$,&[7.35  
4]\$,&[6.0103]\$,&[5.9]\$

EE19B039

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.038742  
&[2.5659]\$,&[2.3555]\$,&[0.046298]\$,&[4.1139]\$,&[2.179]\$,&[3.5422]\$,&[1.3832]\$,&[2.8  
101]\$,&[1.2929]\$,&[3.0564]\$  
&[12.99]\$,&[12.847]\$,&[10.941]\$,&[10.739]\$,&[12.84]\$,&[13.285]\$,&[11.035]\$,&[13.313  
]\$,&[7.8567]\$,&[10.987]\$  
&[13.936]\$,&[10.3]\$,&[7.212]\$,&[12.351]\$,&[2.0537]\$,&[5.3817]\$,&[7.9762]\$,&[5.1921]  
\$,&[10.552]\$,&[11.927]\$  
&[6.2527]\$,&[12.435]\$,&[5.6202]\$,&[10.295]\$,&[4.1771]\$,&[1.6613]\$,&[10.135]\$,&[9.16  
79]\$,&[13.364]\$,&[7.2549]\$  
&[14.984]\$,&[12.518]\$,&[15.517]\$,&[14.664]\$,&[14.89]\$,&[12.638]\$,&[17.997]\$,&[13.50  
9]\$,&[11.266]\$,&[17.886]\$  
&[6.0757]\$,&[5.8856]\$,&[5.7795]\$,&[7.2195]\$,&[7.9618]\$,&[4.4713]\$,&[6.093]\$,&[7.684  
1]\$,&[6.0751]\$,&[6.9387]\$  
&[8.0907]\$,&[8.3593]\$,&[5.1497]\$,&[3.8607]\$,&[6.8894]\$,&[5.0701]\$,&[4.7775]\$,&[5.1]  
\$,&[4.6563]\$,&[5.8553]\$  
&[13.996]\$,&[17.163]\$,&[11.869]\$,&[12.434]\$,&[11.398]\$,&[10.649]\$,&[10.203]\$,&[20.8  
98]\$,&[13.306]\$,&[10.714]\$  
&[14.007]\$,&[7.9782]\$,&[8.3362]\$,&[7.6909]\$,&[8.9054]\$,&[11.622]\$,&[8.3751]\$,&[3.55  
55]\$,&[5.422]\$,&[8.8451]\$  
&[13.717]\$,&[13.591]\$,&[14.8]\$,&[14.544]\$,&[16.194]\$,&[14.114]\$,&[13.772]\$,&[13.899  
]\$,&[14.933]\$,&[12.984]\$

EE19B040

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.01142  
&[0.80935]\$,&[2.8905]\$,&[-2.0899]\$,&[-0.65956]\$,&[3.2722]\$,&[2.8029]\$,&[8.8368]\$,&[  
5.0979]\$,&[0.52984]\$,&[3.0258]\$  
&[11.231]\$,&[10.757]\$,&[9.1503]\$,&[12.196]\$,&[6.3825]\$,&[9.7509]\$,&[9.8943]\$,&[10.0  
15]\$,&[10.541]\$,&[10.23]\$  
&[13.542]\$,&[8.1843]\$,&[9.8581]\$,&[11.032]\$,&[8.693]\$,&[6.7921]\$,&[9.4848]\$,&[9.528  
9]\$,&[15.033]\$,&[10.215]\$  
&[14.352]\$,&[12.969]\$,&[9.0874]\$,&[11.315]\$,&[6.6872]\$,&[10.211]\$,&[11.968]\$,&[12.9  
]\$,&[9.4405]\$,&[8.5857]\$  
&[8.8144]\$,&[1.6783]\$,&[12.33]\$,&[10.179]\$,&[7.5562]\$,&[8.8009]\$,&[9.6822]\$,&[7.480

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4]\$,&[15.596]\$,&[12.041]\$  
&[-2.9128]\$,&[2.0687]\$,&[-0.089841]\$,&[2.8921]\$,&[6.4921]\$,&[-1.792]\$,&[-0.62696]\$,  
&[-0.69958]\$,&[7.0795]\$,&[4.1974]\$  
&[13.939]\$,&[9.0633]\$,&[11.315]\$,&[11.615]\$,&[8.9836]\$,&[9.631]\$,&[12.823]\$,&[14.86  
7]\$,&[17.231]\$,&[11.604]\$  
&[9.3696]\$,&[9.8956]\$,&[9.8513]\$,&[9.3376]\$,&[10.488]\$,&[10.161]\$,&[10.019]\$,&[8.44  
86]\$,&[8.9197]\$,&[10.074]\$  
&[18.001]\$,&[8.6337]\$,&[13.724]\$,&[11.253]\$,&[13.043]\$,&[9.7207]\$,&[11.871]\$,&[11.5  
88]\$,&[12.177]\$,&[10.179]\$  
&[11.281]\$,&[9.8812]\$,&[9.2136]\$,&[9.1241]\$,&[10.062]\$,&[11.084]\$,&[9.1725]\$,&[8.01  
81]\$,&[10.244]\$,&[10.955]\$

EE19B042

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.018527

&[6.2004]\$,&[7.0163]\$,&[11.734]\$,&[9.4992]\$,&[13.695]\$,&[5.7508]\$,&[4.8243]\$,&[3.43  
8]\$,&[14.552]\$,&[8.2836]\$  
&[10.842]\$,&[7.4725]\$,&[11.893]\$,&[8.6679]\$,&[15.396]\$,&[8.6483]\$,&[5.3733]\$,&[2.03  
61]\$,&[12.701]\$,&[9.3514]\$  
&[8.2013]\$,&[7.7209]\$,&[10.626]\$,&[6.7555]\$,&[10.292]\$,&[6.7977]\$,&[5.1566]\$,&[2.07  
31]\$,&[14.384]\$,&[10.701]\$  
&[6.3186]\$,&[8.2863]\$,&[17.315]\$,&[8.371]\$,&[7.2574]\$,&[6.0332]\$,&[7.8431]\$,&[2.603  
5]\$,&[13.742]\$,&[11.686]\$  
&[4.2118]\$,&[7.8686]\$,&[13.064]\$,&[8.8566]\$,&[15.188]\$,&[9.7711]\$,&[4.7697]\$,&[8.59  
78]\$,&[12.662]\$,&[10.146]\$  
&[4.9515]\$,&[7.2303]\$,&[13.606]\$,&[7.3052]\$,&[13.139]\$,&[8.2881]\$,&[3.3085]\$,&[3.23  
]\$,&[13.875]\$,&[10.84]\$  
&[3.8401]\$,&[8.2928]\$,&[12.301]\$,&[10.665]\$,&[10.912]\$,&[14.167]\$,&[3.7677]\$,&[5.09  
97]\$,&[13.18]\$,&[6.4448]\$  
&[4.3354]\$,&[6.9025]\$,&[17.072]\$,&[8.7199]\$,&[9.1922]\$,&[7.886]\$,&[4.2283]\$,&[4.467  
1]\$,&[12.421]\$,&[8.7186]\$  
&[5.7791]\$,&[8.5108]\$,&[12.446]\$,&[7.982]\$,&[11.316]\$,&[8.8771]\$,&[-2.9435]\$,&[2.15  
19]\$,&[7.3551]\$,&[7.7714]\$  
&[5.351]\$,&[7.592]\$,&[14.504]\$,&[8.0428]\$,&[10.569]\$,&[12.988]\$,&[9.0566]\$,&[0.6748  
7]\$,&[12.093]\$,&[8.5984]\$

EE19B044

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.029078

&[4.2022]\$,&[5.0531]\$,&[3.6111]\$,&[5.0431]\$,&[7.5037]\$,&[3.4318]\$,&[2.6904]\$,&[6.96  
77]\$,&[8.1902]\$,&[4.2384]\$  
&[8.7954]\$,&[12.374]\$,&[4.3158]\$,&[6.4468]\$,&[9.5127]\$,&[9.1957]\$,&[8.7116]\$,&[9.63  
85]\$,&[8.741]\$,&[5.1465]\$  
&[17.595]\$,&[17.777]\$,&[12.428]\$,&[11.411]\$,&[17.11]\$,&[8.235]\$,&[13.353]\$,&[7.384  
]\$,&[11.824]\$,&[11.177]\$  
&[12.686]\$,&[9.0326]\$,&[9.6329]\$,&[11.735]\$,&[9.3059]\$,&[8.538]\$,&[10.032]\$,&[8.704

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5],&[8.0374],&[10.111]  
&[13.055],&[12.002],&[6.8916],&[11.613],&[4.7302],&[8.9601],&[8.5446],&[11.1  
31],&[7.2476],&[7.2851]  
&[2.1087],&[5.7965],&[3.7481],&[9.7278],&[6.3311],&[3.048],&[5.5189],&[2.973  
5],&[4.6638],&[4.3834]  
&[8.9845],&[7.6954],&[9.6103],&[11.21],&[8.6316],&[10.342],&[7.2848],&[6.476  
3],&[8.7786],&[7.551]  
&[7.3216],&[8.8373],&[2.0617],&[5.0218],&[6.7807],&[4.9078],&[7.7767],&[6.51  
95],&[7.5705],&[7.8257]  
&[14.904],&[12.666],&[15.959],&[9.9975],&[8.5361],&[8.415],&[9.6137],&[9.384  
],&[12.428],&[20.109]  
&[8.5342],&[9.0124],&[10.767],&[10.913],&[9.5479],&[12.567],&[12.368],&[9.81  
04],&[12.596],&[14.79]

EE19B061

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.020992

&[7.4888],&[8.7309],&[9.8659],&[6.9437],&[8.5309],&[4.8507],&[10.016],&[2.60  
71],&[8.7143],&[12.706]  
&[10.243],&[11.886],&[9.8882],&[12.806],&[14.328],&[4.9178],&[14.758],&[2.29  
64],&[10.443],&[15.456]  
&[6.2574],&[14.752],&[10.596],&[5.385],&[14.813],&[4.8328],&[14.838],&[2.885  
5],&[7.7808],&[12.369]  
&[8.5073],&[12.756],&[10.993],&[12.939],&[14.882],&[4.6967],&[10.982],&[2.43  
13],&[9.7741],&[14.233]  
&[7.9111],&[11.5],&[9.4836],&[4.8184],&[16.149],&[5.185],&[17.803],&[1.7554]  
\$,&[7.0937],&[11.582]  
&[7.7836],&[12.699],&[8.494],&[12.283],&[13.342],&[4.9072],&[14.47],&[2.4748  
],&[8.184],&[11.984]  
&[8.8442],&[10.489],&[13.37],&[8.0463],&[16.339],&[4.7164],&[15.883],&[2.847  
],&[10.223],&[13.404]  
&[9.6153],&[10.613],&[7.557],&[10.618],&[15.844],&[4.6394],&[13.603],&[2.306  
2],&[9.3317],&[10.513]  
&[6.4664],&[13.545],&[9.4002],&[11.967],&[14.455],&[4.854],&[12.307],&[1.654  
9],&[10.006],&[12.693]  
&[7.8673],&[14.015],&[9.1698],&[11.8],&[14.548],&[4.991],&[14.554],&[2.4645]  
\$,&[9.2122],&[12.495]

EE19B063

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.009859

&[-2.4084],&[3.246],&[6.1251],&[10.752],&[-2.3343],&[10.591],&[14.074],&[2.3  
553],&[4.3579],&[0.71127]  
&[1.0026],&[5.4246],&[4.5839],&[8.6995],&[-0.26838],&[9.0014],&[13.064],&[-1  
.5824],&[4.0545],&[7.0382]  
&[8.3423],&[0.80882],&[4.3314],&[10.384],&[3.45],&[7.5818],&[14.166],&[2.900

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4]\$,&[5.9592]\$,&[2.5712]\$  
&[5.797]\$,&[6.3553]\$,&[6.5592]\$,&[9.5179]\$,&[3.3824]\$,&[12.156]\$,&[15.17]\$,&[2.0694]  
]\$,&[4.5898]\$,&[7.7789]\$  
&[7.5071]\$,&[9.8513]\$,&[3.2266]\$,&[10.704]\$,&[6.919]\$,&[6.9617]\$,&[12.214]\$,&[4.148  
6]\$,&[1.6484]\$,&[3.0866]\$  
&[4.1275]\$,&[4.3223]\$,&[4.2839]\$,&[8.7985]\$,&[2.9603]\$,&[10.464]\$,&[14.396]\$,&[2.01  
1]\$,&[4.3751]\$,&[7.2526]\$  
&[0.72593]\$,&[-2.1785]\$,&[2.1156]\$,&[8.8573]\$,&[3.0732]\$,&[8.8844]\$,&[14.078]\$,&[1.  
6345]\$,&[4.9998]\$,&[2.6076]\$  
&[9.2022]\$,&[4.6637]\$,&[3.7501]\$,&[8.0791]\$,&[7.1]\$,&[12.729]\$,&[12.123]\$,&[3.5476]  
\$,&[3.1972]\$,&[8.7393]\$  
&[4.0901]\$,&[5.666]\$,&[2.0004]\$,&[10.77]\$,&[4.7524]\$,&[9.1496]\$,&[13.263]\$,&[3.7395]  
]\$,&[4.5811]\$,&[3.8354]\$  
&[6.002]\$,&[3.1676]\$,&[3.1914]\$,&[9.1113]\$,&[5.2597]\$,&[8.7357]\$,&[14.37]\$,&[2.8685]  
]\$,&[5.1037]\$,&[12.998]\$

#### EE19B065

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.041902

&[10.801]\$,&[10.003]\$,&[5.7546]\$,&[13.232]\$,&[10.051]\$,&[13.753]\$,&[18.24]\$,&[3.733  
8]\$,&[11.618]\$,&[3.0783]\$  
&[10.767]\$,&[11.741]\$,&[2.6157]\$,&[8.4129]\$,&[12.26]\$,&[14.456]\$,&[11.724]\$,&[8.453  
7]\$,&[14.456]\$,&[2.8058]\$  
&[9.8317]\$,&[10.105]\$,&[6.4384]\$,&[7.0666]\$,&[8.6183]\$,&[14.716]\$,&[13.23]\$,&[6.617  
1]\$,&[12.126]\$,&[4.4362]\$  
&[7.4601]\$,&[8.4178]\$,&[3.5369]\$,&[4.359]\$,&[10.968]\$,&[13.979]\$,&[17.376]\$,&[1.409  
]\$,&[10.32]\$,&[6.4661]\$  
&[11.812]\$,&[8.8242]\$,&[-0.5822]\$,&[8.2203]\$,&[11.493]\$,&[14.419]\$,&[12.355]\$,&[5.7  
981]\$,&[11.528]\$,&[2.6146]\$  
&[8.281]\$,&[11.24]\$,&[2.95]\$,&[7.321]\$,&[11.937]\$,&[14.021]\$,&[9.2876]\$,&[7.8987]\$,  
&[10.57]\$,&[8.6986]\$  
&[5.5897]\$,&[10.132]\$,&[4.971]\$,&[6.2092]\$,&[15.753]\$,&[14.133]\$,&[14.878]\$,&[8.319  
4]\$,&[10.172]\$,&[-0.57368]\$  
&[7.3893]\$,&[12.487]\$,&[7.1981]\$,&[12.792]\$,&[17.564]\$,&[14.923]\$,&[11.743]\$,&[7.71  
16]\$,&[13.291]\$,&[0.75698]\$  
&[9.6645]\$,&[9.8501]\$,&[4.4421]\$,&[7.9669]\$,&[12.408]\$,&[14.946]\$,&[11.432]\$,&[9.62  
47]\$,&[12.148]\$,&[6.0926]\$  
&[9.3611]\$,&[10.859]\$,&[4.0717]\$,&[12.193]\$,&[5.6035]\$,&[14.472]\$,&[11.466]\$,&[5.16  
8]\$,&[11.926]\$,&[-5.6586]\$

#### EE19B066

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.023799

&[13.477]\$,&[12.923]\$,&[9.6244]\$,&[13.347]\$,&[15.624]\$,&[15.296]\$,&[11.314]\$,&[16.6  
47]\$,&[12.957]\$,&[18.719]\$  
&[16.383]\$,&[14.673]\$,&[12.19]\$,&[14.781]\$,&[10.561]\$,&[19.891]\$,&[14.696]\$,&[14.86

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3],&[12.286]\$,&[13.179]\$  
&[9.2551]\$,&[11.039]\$,&[6.6935]\$,&[6.3657]\$,&[16.837]\$,&[8.8383]\$,&[13.769]\$,&[8.00  
44]\$,&[14.606]\$,&[20.768]\$  
&[6.3116]\$,&[8.2847]\$,&[3.7204]\$,&[4.1699]\$,&[6.411]\$,&[8.0551]\$,&[-0.13232]\$,&[6.0  
208]\$,&[3.5803]\$,&[1.7014]\$  
&[7.5653]\$,&[7.9782]\$,&[8.5533]\$,&[8.3085]\$,&[8.6867]\$,&[8.2702]\$,&[8.8592]\$,&[7.96  
22]\$,&[8.2844]\$,&[7.6912]\$  
&[8.1384]\$,&[11.034]\$,&[12.936]\$,&[6.1292]\$,&[7.9466]\$,&[9.9332]\$,&[14.415]\$,&[9.08  
73]\$,&[11.39]\$,&[8.7818]\$  
&[2.3421]\$,&[4.9645]\$,&[5.2901]\$,&[1.9368]\$,&[3.9702]\$,&[6.5918]\$,&[7.3781]\$,&[3.19  
92]\$,&[6.6074]\$,&[1.1878]\$  
&[14.094]\$,&[10.883]\$,&[15.884]\$,&[15.101]\$,&[16.035]\$,&[14.071]\$,&[20.273]\$,&[12.0  
12]\$,&[14.493]\$,&[15.528]\$  
&[8.4775]\$,&[7.4478]\$,&[8.6582]\$,&[10.099]\$,&[9.403]\$,&[8.6079]\$,&[7.9338]\$,&[10.20  
5]\$,&[9.8743]\$,&[5.2708]\$  
&[11.767]\$,&[9.291]\$,&[6.3252]\$,&[8.6402]\$,&[10.164]\$,&[8.4243]\$,&[10.868]\$,&[11.48  
]\$,&[10.493]\$,&[11.261]\$

EE19B068

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.019115

&[-0.13529]\$,&[4.9994]\$,&[1.5827]\$,&[4.5139]\$,&[11.548]\$,&[-2.5696]\$,&[5.0616]\$,&[8  
.2482]\$,&[-1.3743]\$,&[6.7825]\$  
&[2.8277]\$,&[8.1261]\$,&[3.3043]\$,&[5.0568]\$,&[16.384]\$,&[6.3598]\$,&[4.2747]\$,&[9.09  
93]\$,&[4.534]\$,&[7.2015]\$  
&[4.5687]\$,&[8.1872]\$,&[-0.30667]\$,&[3.6161]\$,&[12.984]\$,&[1.1122]\$,&[7.7941]\$,&[9.  
7644]\$,&[4.5972]\$,&[7.971]\$  
&[4.6747]\$,&[8.4788]\$,&[5.3019]\$,&[6.0985]\$,&[12.344]\$,&[-0.84073]\$,&[1.5009]\$,&[8.  
8145]\$,&[6.313]\$,&[8.9748]\$  
&[4.6913]\$,&[7.0946]\$,&[1.3259]\$,&[6.3255]\$,&[11.012]\$,&[3.6551]\$,&[3.5691]\$,&[9.74  
79]\$,&[-0.67778]\$,&[6.8085]\$  
&[6.8333]\$,&[6.3578]\$,&[0.56564]\$,&[6.1573]\$,&[11.003]\$,&[4.4939]\$,&[3.0223]\$,&[7.5  
958]\$,&[5.0517]\$,&[8.2294]\$  
&[7.5377]\$,&[2.5494]\$,&[6.2319]\$,&[7.8414]\$,&[7.4096]\$,&[7.4403]\$,&[5.4403]\$,&[8.87  
03]\$,&[4.9254]\$,&[8.4002]\$  
&[0.99577]\$,&[6.4006]\$,&[7.1405]\$,&[8.6682]\$,&[9.1175]\$,&[6.6158]\$,&[1.1573]\$,&[9.3  
653]\$,&[0.83156]\$,&[8.7817]\$  
&[5.7555]\$,&[5.6572]\$,&[6.1593]\$,&[6.2989]\$,&[12.996]\$,&[4.1707]\$,&[3.0678]\$,&[8.83  
29]\$,&[4.7395]\$,&[8.2667]\$  
&[2.6907]\$,&[6.2442]\$,&[-0.32815]\$,&[6.1394]\$,&[11.04]\$,&[5.9644]\$,&[5.158]\$,&[10.2  
26]\$,&[9.7387]\$,&[10.096]\$

EE19B073

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.00098417

&[15.996]\$,&[13.42]\$,&[12.877]\$,&[15.959]\$,&[14.197]\$,&[13.259]\$,&[9.9106]\$,&[12.91

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2]\$,&[17.944]\$,&[15.389]\$  
&[9.6875]\$,&[8.0743]\$,&[7.2067]\$,&[5.6304]\$,&[7.4863]\$,&[9.2632]\$,&[7.3292]\$,&[9.75  
36]\$,&[5.0648]\$,&[8.1122]\$  
&[14.761]\$,&[7.5004]\$,&[9.9869]\$,&[8.8669]\$,&[11.364]\$,&[8.4867]\$,&[10.276]\$,&[11.9  
14]\$,&[12.45]\$,&[13.835]\$  
&[5.5701]\$,&[5.2543]\$,&[5.5563]\$,&[3.682]\$,&[6.7165]\$,&[3.3171]\$,&[2.8967]\$,&[2.958  
1]\$,&[6.7252]\$,&[6.6883]\$  
&[6.5522]\$,&[9.4338]\$,&[4.5879]\$,&[1.943]\$,&[1.5634]\$,&[5.8511]\$,&[4.1239]\$,&[2.326  
2]\$,&[8.022]\$,&[4.5372]\$  
&[12.403]\$,&[14.51]\$,&[11.793]\$,&[16.552]\$,&[14.261]\$,&[13.617]\$,&[9.5677]\$,&[12.95  
8]\$,&[10.561]\$,&[11.388]\$  
&[5.5521]\$,&[5.1488]\$,&[4.3603]\$,&[4.8852]\$,&[4.7947]\$,&[2.3717]\$,&[4.1336]\$,&[3.72  
3]\$,&[4.7377]\$,&[5.614]\$  
&[2.5703]\$,&[7.3672]\$,&[0.37761]\$,&[7.8316]\$,&[5.5294]\$,&[3.8275]\$,&[6.4228]\$,&[7.0  
907]\$,&[4.8703]\$,&[8.7921]\$  
&[9.2259]\$,&[6.3794]\$,&[9.1866]\$,&[10.753]\$,&[9.3594]\$,&[10.395]\$,&[7.9155]\$,&[7.76  
06]\$,&[11.014]\$,&[9.5218]\$  
&[2.3307]\$,&[3.3483]\$,&[2.1422]\$,&[2.5243]\$,&[4.7111]\$,&[0.86093]\$,&[7.1244]\$,&[4.7  
633]\$,&[-3.5476]\$,&[3.6981]\$

EE19B076

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.026151

&[9.5751]\$,&[11.467]\$,&[5.6688]\$,&[12.458]\$,&[9.4705]\$,&[8.4138]\$,&[2.7148]\$,&[8.82  
58]\$,&[6.9381]\$,&[8.4848]\$  
&[8.012]\$,&[9.1599]\$,&[7.8026]\$,&[12.357]\$,&[5.9851]\$,&[9.4818]\$,&[2.769]\$,&[11.326  
]\$,&[11.332]\$,&[12.538]\$  
&[11.36]\$,&[15.787]\$,&[6.0559]\$,&[12.339]\$,&[8.7199]\$,&[8.0167]\$,&[1.3518]\$,&[5.079  
4]\$,&[4.2432]\$,&[9.5221]\$  
&[4.2605]\$,&[19.455]\$,&[0.83305]\$,&[12.324]\$,&[8.6544]\$,&[7.3127]\$,&[5.8475]\$,&[6.8  
249]\$,&[6.5789]\$,&[9.735]\$  
&[7.3424]\$,&[11.976]\$,&[9.5184]\$,&[13.457]\$,&[5.6908]\$,&[9.4705]\$,&[2.3383]\$,&[8.75  
8]\$,&[9.1304]\$,&[9.788]\$  
&[5.5227]\$,&[17.673]\$,&[4.1501]\$,&[12.381]\$,&[6.572]\$,&[8.7048]\$,&[-0.37839]\$,&[7.4  
408]\$,&[9.7966]\$,&[13.606]\$  
&[8.3295]\$,&[11.492]\$,&[9.5987]\$,&[12.162]\$,&[6.8181]\$,&[10.72]\$,&[3.9074]\$,&[6.978  
4]\$,&[7.2673]\$,&[11.763]\$  
&[5.8185]\$,&[9.2552]\$,&[6.7506]\$,&[13.049]\$,&[7.1936]\$,&[5.3762]\$,&[7.6526]\$,&[7.35  
63]\$,&[8.2115]\$,&[10.313]\$  
&[8.8584]\$,&[11.632]\$,&[5.0706]\$,&[11.048]\$,&[8.4389]\$,&[3.4244]\$,&[2.5488]\$,&[5.08  
49]\$,&[7.0442]\$,&[5.3412]\$  
&[10.997]\$,&[15.011]\$,&[5.8846]\$,&[12.735]\$,&[8.4454]\$,&[8.8734]\$,&[3.9467]\$,&[7.65  
29]\$,&[6.1541]\$,&[12.196]\$

EE19B079

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

BT2022\_qiii\_22\_alldata

alpha = 0.038304  
&[10.461]\$,&[10.943]\$,&[10.138]\$,&[15.425]\$,&[11.181]\$,&[15.824]\$,&[12.917]\$,&[11.187]\$,&[10.735]\$,&[10.742]\$  
&[5.3582]\$,&[5.2903]\$,&[8.039]\$,&[7.6029]\$,&[5.969]\$,&[10.626]\$,&[2.3419]\$,&[5.9305]\$,&[3.4238]\$,&[3.5377]\$  
&[14.14]\$,&[16.467]\$,&[12.046]\$,&[12.774]\$,&[15.742]\$,&[18.321]\$,&[8.6058]\$,&[15.883]\$,&[19.409]\$,&[17.411]\$  
&[16.486]\$,&[12.542]\$,&[15.843]\$,&[11.615]\$,&[14.904]\$,&[6.6521]\$,&[10.468]\$,&[12.426]\$,&[11.072]\$,&[16.303]\$  
&[13.152]\$,&[15.381]\$,&[13.587]\$,&[13.902]\$,&[13.364]\$,&[12.429]\$,&[15.771]\$,&[14.607]\$,&[16.374]\$,&[12.754]\$  
&[9.9886]\$,&[10.453]\$,&[11.296]\$,&[9.1183]\$,&[12.395]\$,&[8.0474]\$,&[9.1451]\$,&[5.9884]\$,&[10.795]\$,&[7.9374]\$  
&[10.311]\$,&[6.7007]\$,&[6.9917]\$,&[11.394]\$,&[12.389]\$,&[4.1671]\$,&[4.6383]\$,&[6.4974]\$,&[6.9976]\$,&[9.7021]\$  
&[2.8715]\$,&[3.683]\$,&[4.1674]\$,&[5.7902]\$,&[2.0503]\$,&[4.9026]\$,&[3.3529]\$,&[6.4342]\$,&[5.5951]\$,&[1.7928]\$  
&[6.0969]\$,&[7.3728]\$,&[6.1348]\$,&[4.8069]\$,&[7.291]\$,&[6.6335]\$,&[6.0706]\$,&[8.0729]\$,&[6.8994]\$,&[7.6306]\$  
&[2.3502]\$,&[5.0531]\$,&[4.8886]\$,&[1.6198]\$,&[2.7977]\$,&[2.6365]\$,&[-0.91606]\$,&[3.4319]\$,&[0.8171]\$,&[1.0199]\$

EE19B080

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.03243  
&[6.4824]\$,&[6.1842]\$,&[15.923]\$,&[13.699]\$,&[11.276]\$,&[8.2959]\$,&[11.131]\$,&[11.721]\$,&[11.955]\$,&[3.6452]\$  
&[9.0569]\$,&[7.8015]\$,&[14.047]\$,&[10.783]\$,&[11.504]\$,&[10.531]\$,&[14.802]\$,&[11.556]\$,&[5.4313]\$,&[3.8442]\$  
&[5.0712]\$,&[5.1257]\$,&[19.48]\$,&[11.331]\$,&[11.181]\$,&[1.4463]\$,&[12.951]\$,&[13.91]\$,&[9.8354]\$,&[3.7915]\$  
&[3.8383]\$,&[13.593]\$,&[12.836]\$,&[9.6686]\$,&[10.748]\$,&[4.5063]\$,&[16.436]\$,&[12.802]\$,&[7.2023]\$,&[3.5522]\$  
&[5.3375]\$,&[9.6049]\$,&[14.899]\$,&[9.5689]\$,&[11.091]\$,&[7.5571]\$,&[16.216]\$,&[12.065]\$,&[6.5367]\$,&[3.7159]\$  
&[3.1192]\$,&[8.146]\$,&[17.426]\$,&[5.4058]\$,&[11.06]\$,&[3.8024]\$,&[15.298]\$,&[9.9834]\$,&[6.8396]\$,&[3.7785]\$  
&[5.611]\$,&[12.374]\$,&[15.497]\$,&[13.387]\$,&[11.374]\$,&[7.188]\$,&[14.852]\$,&[13.903]\$,&[9.1241]\$,&[3.5995]\$  
&[5.8204]\$,&[10.475]\$,&[9.5518]\$,&[10.111]\$,&[11.478]\$,&[8.9177]\$,&[13.535]\$,&[14.347]\$,&[12.29]\$,&[3.662]\$  
&[5.1348]\$,&[7.6594]\$,&[13.284]\$,&[11.068]\$,&[11.241]\$,&[7.1613]\$,&[12.379]\$,&[15.272]\$,&[9.8241]\$,&[3.7245]\$  
&[0.48955]\$,&[10.119]\$,&[14.735]\$,&[8.6885]\$,&[11.733]\$,&[2.2968]\$,&[16.389]\$,&[13.761]\$,&[10.75]\$,&[3.8136]\$

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EE19B091

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.048795

&[3.9115]\$,&[12.968]\$,&[13.079]\$,&[12.572]\$,&[15.325]\$,&[14.835]\$,&[10.27]\$,&[9.060  
9]\$,&[11.462]\$,&[9.6275]\$  
&[7.927]\$,&[6.8298]\$,&[9.4612]\$,&[8.443]\$,&[9.5717]\$,&[9.7971]\$,&[5.2568]\$,&[2.6801  
]\$,&[7.0532]\$,&[6.0926]\$  
&[11.786]\$,&[8.5828]\$,&[10.094]\$,&[13.78]\$,&[13.208]\$,&[12.878]\$,&[13.938]\$,&[11.85  
7]\$,&[13.207]\$,&[11.325]\$  
&[9.3979]\$,&[6.9045]\$,&[10.358]\$,&[8.8242]\$,&[9.2518]\$,&[5.0598]\$,&[5.0933]\$,&[5.03  
47]\$,&[6.6238]\$,&[6.6546]\$  
&[4.6748]\$,&[-0.15812]\$,&[4.5087]\$,&[0.48804]\$,&[3.8855]\$,&[2.296]\$,&[1.7061]\$,&[2.  
2269]\$,&[-0.10559]\$,&[5.1146]\$  
&[7.2544]\$,&[5.8745]\$,&[7.9976]\$,&[6.4667]\$,&[7.6174]\$,&[4.7436]\$,&[6.0619]\$,&[6.94  
73]\$,&[6.466]\$,&[6.0193]\$  
&[5.0362]\$,&[5.3324]\$,&[4.9933]\$,&[5.9346]\$,&[6.1099]\$,&[4.4657]\$,&[6.357]\$,&[5.063  
2]\$,&[5.4206]\$,&[4.0305]\$  
&[14.047]\$,&[11.078]\$,&[9.4376]\$,&[9.449]\$,&[12.467]\$,&[9.3033]\$,&[4.2013]\$,&[10.59  
1]\$,&[9.5667]\$,&[10.631]\$  
&[5.6075]\$,&[4.8077]\$,&[-0.45475]\$,&[-2.3686]\$,&[-0.63299]\$,&[1.3573]\$,&[3.7702]\$,&  
[8.0912]\$,&[5.4943]\$,&[-0.09526]\$  
&[4.6168]\$,&[4.8746]\$,&[6.7676]\$,&[8.8738]\$,&[8.6132]\$,&[4.1046]\$,&[5.5452]\$,&[3.69  
56]\$,&[9.8775]\$,&[5.1011]\$

EE19B093

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0081035

&[8.7419]\$,&[5.5505]\$,&[6.74]\$,&[12.668]\$,&[8.6564]\$,&[8.7682]\$,&[10.309]\$,&[9.5581  
]\$,&[7.7779]\$,&[7.2975]\$  
&[9.8733]\$,&[15.869]\$,&[14.475]\$,&[14.699]\$,&[11.527]\$,&[11.964]\$,&[16.003]\$,&[15.1  
69]\$,&[15.984]\$,&[10.878]\$  
&[7.818]\$,&[8.8369]\$,&[1.9942]\$,&[11.702]\$,&[5.4347]\$,&[9.2302]\$,&[6.6836]\$,&[2.674  
5]\$,&[9.6397]\$,&[13.596]\$  
&[4.7089]\$,&[4.0707]\$,&[4.5698]\$,&[5.6112]\$,&[5.7151]\$,&[4.3202]\$,&[4.7309]\$,&[4.54  
67]\$,&[4.2662]\$,&[4.5914]\$  
&[14.607]\$,&[15.602]\$,&[12.398]\$,&[12.963]\$,&[13.177]\$,&[11.429]\$,&[12.061]\$,&[9.70  
57]\$,&[17.205]\$,&[14.772]\$  
&[5.1311]\$,&[5.4107]\$,&[10.15]\$,&[9.7071]\$,&[9.6502]\$,&[12.872]\$,&[10.63]\$,&[10.939  
]\$,&[6.1257]\$,&[14.258]\$  
&[15.987]\$,&[14.778]\$,&[14.575]\$,&[13.171]\$,&[15.659]\$,&[14.414]\$,&[13.85]\$,&[14.32  
9]\$,&[14.815]\$,&[13.056]\$  
&[1.512]\$,&[1.5942]\$,&[1.8898]\$,&[3.4456]\$,&[1.8357]\$,&[1.2946]\$,&[-0.07547]\$,&[1.7  
89]\$,&[2.1615]\$,&[-0.52324]\$  
&[15.796]\$,&[11.288]\$,&[14.92]\$,&[12.006]\$,&[14.71]\$,&[15.361]\$,&[14.641]\$,&[12.905  
]\$,&[10.9]\$,&[13.137]\$  
&[15.333]\$,&[13.918]\$,&[14.297]\$,&[14.571]\$,&[12.373]\$,&[13.49]\$,&[14.538]\$,&[12.80  
9]\$,&[12.406]\$,&[15.694]\$

BT2022\_qiii\_22\_alldata

EE19B095

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.033167

&[7.2525]\$,&[7.2237]\$,&[6.8569]\$,&[6.8431]\$,&[8.9911]\$,&[7.1953]\$,&[8.1584]\$,&[5.2002]\$,&[8.5964]\$,&[7.3282]\$  
&[12.908]\$,&[8.7503]\$,&[6.6731]\$,&[9.7868]\$,&[7.5437]\$,&[11.755]\$,&[10.716]\$,&[8.6572]\$,&[7.5535]\$,&[5.1885]\$  
&[15.833]\$,&[16.034]\$,&[14.606]\$,&[16.202]\$,&[14.382]\$,&[14.773]\$,&[11.882]\$,&[17.57]\$,&[11.948]\$,&[18.109]\$  
&[9.9797]\$,&[10.267]\$,&[8.2478]\$,&[8.2033]\$,&[9.3247]\$,&[9.5821]\$,&[8.6556]\$,&[9.3701]\$,&[7.9524]\$,&[8.8494]\$  
&[9.4143]\$,&[4.756]\$,&[7.0596]\$,&[2.7415]\$,&[4.6693]\$,&[6.0386]\$,&[5.613]\$,&[5.2313]\$,&[11.741]\$,&[6.8726]\$  
&[9.7732]\$,&[9.4111]\$,&[10.755]\$,&[12.149]\$,&[13.242]\$,&[9.3385]\$,&[11.966]\$,&[10.812]\$,&[13.312]\$,&[10.8]\$  
&[11.064]\$,&[11.198]\$,&[10.51]\$,&[9.6564]\$,&[7.2096]\$,&[9.2529]\$,&[11.739]\$,&[11.107]\$,&[10.59]\$,&[10.441]\$  
&[13.528]\$,&[12.676]\$,&[15.507]\$,&[12.651]\$,&[15.233]\$,&[13.174]\$,&[15.239]\$,&[14.767]\$,&[14.522]\$,&[13.307]\$  
&[6.1228]\$,&[8.6204]\$,&[3.739]\$,&[8.7503]\$,&[10.286]\$,&[7.8342]\$,&[13.47]\$,&[8.5828]\$,&[14.671]\$,&[9.8011]\$  
&[16.556]\$,&[14.609]\$,&[14.091]\$,&[10.549]\$,&[17.649]\$,&[14.5]\$,&[14.387]\$,&[11.169]\$,&[13.967]\$,&[15.209]\$

EE19B113

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.047042

&[10.444]\$,&[5.6685]\$,&[7.3399]\$,&[14.714]\$,&[8.86]\$,&[2.2747]\$,&[16.929]\$,&[11.598]\$,&[9.7426]\$,&[4.7707]\$  
&[11.518]\$,&[3.6245]\$,&[7.8847]\$,&[14.955]\$,&[6.5108]\$,&[0.85364]\$,&[14.205]\$,&[15.031]\$,&[6.5008]\$,&[5.6005]\$  
&[12.388]\$,&[7.1552]\$,&[8.5039]\$,&[13.233]\$,&[5.6663]\$,&[1.516]\$,&[15.527]\$,&[9.5887]\$,&[9.1718]\$,&[-0.2117]\$  
&[10.419]\$,&[5.1626]\$,&[8.2379]\$,&[17.018]\$,&[12.415]\$,&[2.3213]\$,&[13.735]\$,&[12.163]\$,&[8.1333]\$,&[0.67397]\$  
&[10.834]\$,&[1.8485]\$,&[1.7148]\$,&[12.923]\$,&[8.5901]\$,&[0.0042977]\$,&[10.999]\$,&[9.099]\$,&[8.0831]\$,&[0.82453]\$  
&[13.764]\$,&[5.6484]\$,&[8.1561]\$,&[11.486]\$,&[5.1576]\$,&[0.23891]\$,&[17.341]\$,&[6.2913]\$,&[8.4577]\$,&[4.5197]\$  
&[11.151]\$,&[3.5003]\$,&[5.7716]\$,&[16.511]\$,&[6.7574]\$,&[2.2055]\$,&[16.461]\$,&[16.319]\$,&[6.7593]\$,&[2.8935]\$  
&[9.185]\$,&[4.0332]\$,&[6.8876]\$,&[17.227]\$,&[6.5836]\$,&[3.7009]\$,&[15.276]\$,&[12.372]\$,&[6.946]\$,&[6.2785]\$  
&[11.354]\$,&[3.6849]\$,&[2.7652]\$,&[16.282]\$,&[9.8224]\$,&[1.3851]\$,&[13.986]\$,&[13.107]\$,&[5.5255]\$,&[7.9754]\$

BT2022\_qiii\_22\_alldata  
|[12.099]\$,&[3.4897]\$,&[2.6546]\$,&[15.586]\$,&[5.9545]\$,&[7.0567]\$,&[14.746]\$,&[14.245]\$,&[8.8961]\$,&[2.7706]\$

EE19B115

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.02949

&[7.4582]\$,&[10.916]\$,&[5.6954]\$,&[6.926]\$,&[5.0594]\$,&[7.3253]\$,&[7.7677]\$,&[5.2897]\$,&[6.0447]\$,&[5.1982]\$  
&[7.7246]\$,&[6.5679]\$,&[11.21]\$,&[6.716]\$,&[9.8519]\$,&[5.5104]\$,&[6.585]\$,&[7.0742]\$,&[6.4865]\$,&[4.4111]\$  
&[8.1295]\$,&[8.4334]\$,&[1.3686]\$,&[9.9015]\$,&[12.501]\$,&[15.558]\$,&[7.9131]\$,&[8.9394]\$,&[12.645]\$,&[11.491]\$  
&[8.2482]\$,&[9.8864]\$,&[10.831]\$,&[5.4635]\$,&[12.247]\$,&[13.888]\$,&[8.1122]\$,&[7.8256]\$,&[10.169]\$,&[7.594]\$  
&[11.472]\$,&[12.439]\$,&[11.288]\$,&[11.816]\$,&[14.859]\$,&[14.363]\$,&[14.902]\$,&[11.772]\$,&[13.433]\$,&[10.41]\$  
&[13.863]\$,&[17.913]\$,&[15.305]\$,&[16.74]\$,&[17.264]\$,&[17.818]\$,&[14.264]\$,&[13.432]\$,&[15.314]\$,&[17.106]\$  
&[7.8387]\$,&[8.5204]\$,&[9.2454]\$,&[6.2169]\$,&[10.858]\$,&[12.313]\$,&[11.173]\$,&[9.0171]\$,&[6.9792]\$,&[11.547]\$  
&[13.447]\$,&[11.575]\$,&[12.729]\$,&[14.022]\$,&[10.074]\$,&[17.74]\$,&[11.209]\$,&[13.285]\$,&[11.369]\$,&[8.4984]\$  
&[6.6077]\$,&[10.927]\$,&[5.7501]\$,&[6.2808]\$,&[8.5545]\$,&[8.8776]\$,&[9.7826]\$,&[6.8552]\$,&[7.734]\$,&[8.357]\$  
&[17.475]\$,&[12.621]\$,&[14.525]\$,&[10.131]\$,&[13.236]\$,&[21.021]\$,&[11.229]\$,&[16.93]\$,&[12.535]\$,&[15.925]\$

EE19B119

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.02322

&[7.5409]\$,&[4.4249]\$,&[3.7588]\$,&[-0.14207]\$,&[8.4985]\$,&[15.109]\$,&[9.6379]\$,&[8.956]\$,&[14.897]\$,&[13.362]\$  
&[8.0098]\$,&[9.1818]\$,&[5.6328]\$,&[2.8017]\$,&[10.014]\$,&[14.332]\$,&[13.194]\$,&[9.4564]\$,&[15.039]\$,&[14.394]\$  
&[5.2112]\$,&[6.7344]\$,&[3.8134]\$,&[7.7718]\$,&[7.8474]\$,&[13.081]\$,&[15.433]\$,&[9.6048]\$,&[14.355]\$,&[14.686]\$  
&[5.7903]\$,&[5.4938]\$,&[4.1552]\$,&[0.93251]\$,&[7.4916]\$,&[12.76]\$,&[9.3701]\$,&[2.6637]\$,&[14.707]\$,&[16.835]\$  
&[4.1913]\$,&[4.5609]\$,&[3.804]\$,&[1.2815]\$,&[8.0549]\$,&[16.427]\$,&[13.481]\$,&[5.9005]\$,&[15.089]\$,&[13.938]\$  
&[3.877]\$,&[8.3713]\$,&[4.0978]\$,&[0.39384]\$,&[11.104]\$,&[13.414]\$,&[14.346]\$,&[11.906]\$,&[14.514]\$,&[16.024]\$  
&[5.4545]\$,&[7.4973]\$,&[5.1704]\$,&[0.65049]\$,&[9.5204]\$,&[14.09]\$,&[8.7737]\$,&[6.9926]\$,&[14.673]\$,&[15.582]\$  
&[3.5398]\$,&[8.6715]\$,&[3.0448]\$,&[3.1902]\$,&[7.5882]\$,&[15.908]\$,&[8.1245]\$,&[4.5198]\$,&[14.389]\$,&[14.372]\$

BT2022\_qiii\_22\_alldata  
|[5.8653]\$,|[3.9267]\$,|[3.1457]\$,|[8.1468]\$,|[8.5003]\$,|[15.042]\$,|[13.782]\$,|[7.6363]\$,|[14.589]\$,|[15.6]\$  
|[5.5763]\$,|[9.4567]\$,|[4.4321]\$,|[-2.147]\$,|[3.8684]\$,|[12.026]\$,|[12.117]\$,|[3.7248]\$,|[14.821]\$,|[16.88]\$

#### EE19B120

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0038834  
|[2.8649]\$,|[2.8148]\$,|[3.5717]\$,|[4.7092]\$,|[4.6901]\$,|[2.9698]\$,|[1.4771]\$,|[2.0967]\$,|[1.215]\$,|[2.7882]\$  
|[9.0554]\$,|[4.154]\$,|[0.45265]\$,|[4.0591]\$,|[3.874]\$,|[7.9554]\$,|[2.9847]\$,|[0.46549]\$,|[4.7715]\$,|[10.194]\$  
|[7.0461]\$,|[6.1208]\$,|[4.5296]\$,|[6.5367]\$,|[6.7701]\$,|[6.4526]\$,|[4.682]\$,|[5.8446]\$,|[4.3472]\$,|[5.6512]\$  
|[6.6438]\$,|[7.5324]\$,|[5.662]\$,|[6.1377]\$,|[3.4348]\$,|[6.8314]\$,|[4.8216]\$,|[5.2858]\$,|[3.7165]\$,|[5.5359]\$  
|[12.565]\$,|[11.961]\$,|[13.727]\$,|[12.281]\$,|[13.502]\$,|[9.813]\$,|[11.188]\$,|[12.676]\$,|[13.02]\$,|[11.018]\$  
|[-0.20535]\$,|[0.93371]\$,|[4.2616]\$,|[2.5712]\$,|[2.9662]\$,|[3.7051]\$,|[3.6824]\$,|[-0.98156]\$,|[3.9258]\$,|[2.0062]\$  
|[0.20809]\$,|[2.5033]\$,|[1.7277]\$,|[5.2404]\$,|[5.4084]\$,|[4.978]\$,|[-0.6211]\$,|[3.3566]\$,|[4.9871]\$,|[-4.1273]\$  
|[9.3671]\$,|[9.2992]\$,|[8.6061]\$,|[6.8049]\$,|[4.4254]\$,|[5.2963]\$,|[2.7333]\$,|[4.6477]\$,|[3.2274]\$,|[7.7525]\$  
|[8.1005]\$,|[9.0067]\$,|[8.5674]\$,|[10.524]\$,|[10.691]\$,|[8.5117]\$,|[9.3879]\$,|[6.308]\$,|[12.099]\$,|[11.585]\$  
|[12.218]\$,|[17.697]\$,|[17.354]\$,|[14.394]\$,|[12.991]\$,|[10.453]\$,|[17.533]\$,|[15.499]\$,|[12.373]\$,|[12.034]\$

#### EE19B122

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.038243  
|[4.239]\$,|[5.5393]\$,|[8.6421]\$,|[1.7645]\$,|[5.4953]\$,|[13.109]\$,|[11.733]\$,|[3.7824]\$,|[14.734]\$,|[10.52]\$  
|[8.6699]\$,|[8.0288]\$,|[12.234]\$,|[-1.0113]\$,|[5.8566]\$,|[7.9077]\$,|[9.7842]\$,|[4.1592]\$,|[9.4301]\$,|[8.9098]\$  
|[0.13249]\$,|[-0.41082]\$,|[14.165]\$,|[-0.31045]\$,|[6.9474]\$,|[9.6907]\$,|[11.428]\$,|[0.59328]\$,|[15.258]\$,|[10.976]\$  
|[6.6243]\$,|[8.9202]\$,|[8.7655]\$,|[11.299]\$,|[2.2809]\$,|[12.224]\$,|[9.1395]\$,|[1.8408]\$,|[16.599]\$,|[7.7314]\$  
|[4.7395]\$,|[7.625]\$,|[12.56]\$,|[3.6093]\$,|[-1.4847]\$,|[11.081]\$,|[8.3278]\$,|[2.6673]\$,|[13.213]\$,|[10.452]\$  
|[2.6988]\$,|[4.0172]\$,|[8.7329]\$,|[0.58337]\$,|[9.033]\$,|[11.735]\$,|[9.7732]\$,|[3.2564]\$,|[11.967]\$,|[7.3511]\$  
|[2.1056]\$,|[5.8651]\$,|[6.4463]\$,|[0.87951]\$,|[9.3805]\$,|[12.546]\$,|[9.2297]\$,|[4.8527]\$,|[11.964]\$,|[8.4188]\$

BT2022\_qiii\_22\_alldata  
&[-0.13023]\$,&[4.2879]\$,&[11.341]\$,&[4.4797]\$,&[9.4684]\$,&[10.638]\$,&[11.815]\$,&[2.3376]\$,&[15.592]\$,&[6.0625]\$  
&[2.7632]\$,&[3.0159]\$,&[10.708]\$,&[5.4751]\$,&[8.5535]\$,&[10.814]\$,&[10.361]\$,&[5.355]\$,&[12.421]\$,&[8.5663]\$  
&[-0.78423]\$,&[3.5815]\$,&[10.819]\$,&[2.1729]\$,&[5.185]\$,&[8.4305]\$,&[12.106]\$,&[7.0706]\$,&[12.189]\$,&[9.5312]\$

#### EE19B125

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0029577  
&[12.384]\$,&[5.6843]\$,&[6.6944]\$,&[6.961]\$,&[7.3201]\$,&[7.1709]\$,&[4.6778]\$,&[12.231]\$,&[5.2108]\$,&[12.34]\$  
&[15.649]\$,&[5.8393]\$,&[2.6534]\$,&[7.8263]\$,&[13.427]\$,&[9.9111]\$,&[4.1367]\$,&[10.419]\$,&[5.3039]\$,&[15.356]\$  
&[12.95]\$,&[11.793]\$,&[-3.1284]\$,&[7.8532]\$,&[12.135]\$,&[10.315]\$,&[4.1173]\$,&[11.791]\$,&[5.9582]\$,&[13.357]\$  
&[11.782]\$,&[4.7999]\$,&[2.5857]\$,&[8.4235]\$,&[10.413]\$,&[8.5364]\$,&[-0.16816]\$,&[10.231]\$,&[5.2897]\$,&[12.324]\$  
&[12.006]\$,&[8.69]\$,&[2.0795]\$,&[7.2283]\$,&[11.122]\$,&[8.7913]\$,&[1.1352]\$,&[9.1006]\$  
&[4.5485]\$,&[12.733]\$  
&[12.539]\$,&[6.6274]\$,&[2.7664]\$,&[9.4195]\$,&[14.732]\$,&[10.036]\$,&[-0.71937]\$,&[10.299]\$,&[6.5247]\$,&[13.734]\$  
&[12.17]\$,&[9.6773]\$,&[-0.25032]\$,&[9.2233]\$,&[16.691]\$,&[8.6238]\$,&[1.9551]\$,&[7.3366]\$,&[5.6465]\$,&[13.73]\$  
&[15.603]\$,&[8.7755]\$,&[1.7311]\$,&[9.2636]\$,&[14.694]\$,&[6.5122]\$,&[-0.02766]\$,&[11.95]\$,&[5.4244]\$,&[11.987]\$  
&[13.394]\$,&[6.9367]\$,&[1.7617]\$,&[9.4308]\$,&[13.74]\$,&[8.4332]\$,&[-1.1724]\$,&[12.131]\$,&[5.0768]\$,&[13.383]\$  
&[15.282]\$,&[10.549]\$,&[3.9047]\$,&[6.2114]\$,&[12.267]\$,&[7.8287]\$,&[4.5166]\$,&[9.0413]\$,&[3.8379]\$,&[15.669]\$

#### EE19B126

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0011156  
&[14.4]\$,&[10.705]\$,&[9.7167]\$,&[3.765]\$,&[7.2891]\$,&[13.75]\$,&[10.878]\$,&[6.9488]\$  
,&[11.354]\$,&[11.361]\$  
&[12.553]\$,&[14.249]\$,&[1.3104]\$,&[8.9064]\$,&[9.0749]\$,&[12.269]\$,&[9.4407]\$,&[6.965]\$,&[9.6975]\$,&[11.362]\$  
&[11.921]\$,&[13.167]\$,&[7.9943]\$,&[7.8519]\$,&[8.4276]\$,&[12.025]\$,&[10.003]\$,&[8.9701]\$,&[9.9567]\$,&[11.182]\$  
&[10.718]\$,&[13.327]\$,&[2.058]\$,&[6.2505]\$,&[8.6097]\$,&[11.264]\$,&[9.2863]\$,&[-0.71417]\$,&[8.1343]\$,&[13.014]\$  
&[12.407]\$,&[12.544]\$,&[4.4365]\$,&[8.4347]\$,&[5.5434]\$,&[6.7722]\$,&[7.8719]\$,&[10.776]\$,&[9.4842]\$,&[9.8493]\$  
&[14.928]\$,&[13.653]\$,&[6.369]\$,&[7.71]\$,&[6.7078]\$,&[10.833]\$,&[7.5754]\$,&[6.982]\$  
,&[10.407]\$,&[9.9157]\$

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&[10.981]\$,&[14.895]\$,&[4.7099]\$,&[9.0186]\$,&[8.263]\$,&[12.955]\$,&[9.3663]\$,&[7.937  
9]\$,&[7.6432]\$,&[9.5498]\$  
&[10.41]\$,&[13.698]\$,&[5.9388]\$,&[5.4025]\$,&[9.2914]\$,&[6.4629]\$,&[10.937]\$,&[5.292  
6]\$,&[11.824]\$,&[11.967]\$  
&[14.841]\$,&[9.6995]\$,&[1.7034]\$,&[3.8969]\$,&[8.6989]\$,&[12.537]\$,&[10.888]\$,&[8.95  
75]\$,&[9.6579]\$,&[11.24]\$  
&[10.876]\$,&[10.696]\$,&[6.8904]\$,&[4.5926]\$,&[8.298]\$,&[12.016]\$,&[9.9114]\$,&[6.030  
8]\$,&[7.9017]\$,&[12.119]\$

#### EP18B003

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0078219

&[9.9264]\$,&[3.9669]\$,&[1.2832]\$,&[-3.5769]\$,&[9.5559]\$,&[3.0469]\$,&[2.8988]\$,&[4.6  
717]\$,&[7.1085]\$,&[7.9933]\$  
&[11.083]\$,&[5.3715]\$,&[1.5373]\$,&[1.6516]\$,&[8.6542]\$,&[1.334]\$,&[-0.052415]\$,&[3.  
7781]\$,&[6.3796]\$,&[10.948]\$  
&[4.416]\$,&[6.9646]\$,&[3.1274]\$,&[3.2551]\$,&[12.092]\$,&[0.56144]\$,&[1.7987]\$,&[2.94  
62]\$,&[7.9466]\$,&[9.3554]\$  
&[6.4306]\$,&[5.3864]\$,&[3.5276]\$,&[1.3736]\$,&[10.834]\$,&[3.7834]\$,&[1.2868]\$,&[1.98  
15]\$,&[6.3812]\$,&[10.02]\$  
&[3.1433]\$,&[3.2973]\$,&[4.0615]\$,&[5.3419]\$,&[4.2476]\$,&[0.55186]\$,&[7.479]\$,&[2.42  
62]\$,&[6.0541]\$,&[11.851]\$  
&[5.2462]\$,&[0.64275]\$,&[2.4525]\$,&[-0.028562]\$,&[5.6543]\$,&[-3.9756]\$,&[5.1104]\$,&  
[7.1058]\$,&[8.7677]\$,&[11.136]\$  
&[8.9887]\$,&[4.5814]\$,&[3.6276]\$,&[3.9067]\$,&[12.02]\$,&[1.8748]\$,&[-0.37327]\$,&[5.6  
954]\$,&[6.5056]\$,&[7.2387]\$  
&[9.289]\$,&[5.951]\$,&[1.317]\$,&[3.2081]\$,&[6.9222]\$,&[5.248]\$,&[5.6278]\$,&[5.8226]\$  
,&[7.5755]\$,&[12.901]\$  
&[0.33799]\$,&[0.43492]\$,&[2.3613]\$,&[6.0788]\$,&[13.83]\$,&[2.2413]\$,&[0.95598]\$,&[3.  
6968]\$,&[5.669]\$,&[13.813]\$  
&[2.3826]\$,&[4.1521]\$,&[3.2029]\$,&[6.979]\$,&[9.8031]\$,&[1.9853]\$,&[0.44717]\$,&[4.83  
26]\$,&[7.4901]\$,&[11.045]\$

#### EP18B013

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.021782

&[8.4407]\$,&[9.7602]\$,&[10.4]\$,&[12.061]\$,&[10.8]\$,&[8.8658]\$,&[15.245]\$,&[11.264]\$  
,&[9.3896]\$,&[7.05]\$  
&[7.4784]\$,&[11.446]\$,&[0.44482]\$,&[5.3547]\$,&[8.0869]\$,&[8.6922]\$,&[12.405]\$,&[7.9  
136]\$,&[11.352]\$,&[7.8436]\$  
&[14.173]\$,&[14.627]\$,&[11.497]\$,&[14.873]\$,&[17.081]\$,&[9.4277]\$,&[16.245]\$,&[7.36  
54]\$,&[14.046]\$,&[13.085]\$  
&[5.1974]\$,&[5.4126]\$,&[11.133]\$,&[6.2072]\$,&[8.2129]\$,&[7.5037]\$,&[7.7684]\$,&[7.14  
85]\$,&[5.8078]\$,&[2.9099]\$  
&[5.1516]\$,&[5.4645]\$,&[7.9458]\$,&[0.89826]\$,&[5.8809]\$,&[0.51496]\$,&[1.8096]\$,&[4.  
7684]\$,&[0.10415]\$,&[3.2926]\$

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&[3.5604]\$,&[1.2884]\$,&[6.2429]\$,&[5.5667]\$,&[6.6047]\$,&[8.1698]\$,&[4.0233]\$,&[3.20  
66]\$,&[2.5329]\$,&[3.6007]\$  
&[1.2972]\$,&[2.5391]\$,&[3.9297]\$,&[4.7756]\$,&[3.0702]\$,&[3.9872]\$,&[1.5865]\$,&[0.01  
4167]\$,&[0.67181]\$,&[0.69124]\$  
&[8.5926]\$,&[11.797]\$,&[5.0431]\$,&[7.847]\$,&[7.9638]\$,&[13.567]\$,&[8.268]\$,&[6.4947  
]\$,&[8.0478]\$,&[3.4583]\$  
&[14.797]\$,&[14.105]\$,&[12.425]\$,&[10.583]\$,&[6.9009]\$,&[8.2381]\$,&[11.634]\$,&[14.6  
84]\$,&[12.815]\$,&[13.247]\$  
&[11.786]\$,&[11.602]\$,&[13.044]\$,&[12.449]\$,&[13.08]\$,&[12.125]\$,&[12.494]\$,&[12.41  
9]\$,&[12.557]\$,&[12.487]\$

#### EP18B015

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.049643

&[1.287]\$,&[14.132]\$,&[3.5499]\$,&[11.328]\$,&[4.7519]\$,&[12.855]\$,&[6.1148]\$,&[2.644  
]\$,&[8.5218]\$,&[8.6067]\$  
&[7.0305]\$,&[13.031]\$,&[5.5834]\$,&[12.101]\$,&[6.979]\$,&[16.273]\$,&[5.3791]\$,&[3.098  
1]\$,&[8.8745]\$,&[9.145]\$  
&[4.2676]\$,&[15.171]\$,&[4.4526]\$,&[12.627]\$,&[6.7481]\$,&[8.189]\$,&[6.3892]\$,&[3.701  
8]\$,&[9.3093]\$,&[7.0131]\$  
&[3.7711]\$,&[15.441]\$,&[-1.1761]\$,&[12.56]\$,&[6.6347]\$,&[8.0523]\$,&[9.4904]\$,&[4.11  
56]\$,&[7.8345]\$,&[7.0224]\$  
&[4.3945]\$,&[11.891]\$,&[0.98196]\$,&[13.552]\$,&[3.3217]\$,&[13.437]\$,&[8.8415]\$,&[3.4  
232]\$,&[8.2219]\$,&[6.1356]\$  
&[9.0697]\$,&[14.075]\$,&[4.5569]\$,&[9.3486]\$,&[9.0003]\$,&[6.9897]\$,&[4.646]\$,&[3.511  
8]\$,&[13.351]\$,&[5.6805]\$  
&[0.4036]\$,&[13.929]\$,&[3.6307]\$,&[11.855]\$,&[6.7336]\$,&[5.0565]\$,&[4.7451]\$,&[3.93  
62]\$,&[11.967]\$,&[7.0587]\$  
&[1.7839]\$,&[14.072]\$,&[8.7061]\$,&[12.152]\$,&[6.691]\$,&[8.3342]\$,&[3.7228]\$,&[1.678  
5]\$,&[8.0625]\$,&[9.4409]\$  
&[4.3637]\$,&[11.196]\$,&[-0.74602]\$,&[14.519]\$,&[4.8612]\$,&[9.7845]\$,&[2.7437]\$,&[2.  
518]\$,&[5.7905]\$,&[4.8875]\$  
&[5.4206]\$,&[12.442]\$,&[3.4894]\$,&[11.812]\$,&[9.1106]\$,&[12.563]\$,&[9.3752]\$,&[3.84  
57]\$,&[8.0966]\$,&[5.7065]\$

#### EP18B016

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.029345

&[4.7266]\$,&[0.79682]\$,&[1.0082]\$,&[-1.9413]\$,&[-1.5547]\$,&[3.5849]\$,&[3.8961]\$,&[2  
.8843]\$,&[5.0902]\$,&[4.548]\$  
&[8.4016]\$,&[8.205]\$,&[5.8881]\$,&[6.7595]\$,&[4.8654]\$,&[7.8029]\$,&[6.6507]\$,&[5.522  
3]\$,&[7.1416]\$,&[8.666]\$  
&[12.107]\$,&[10.872]\$,&[9.5298]\$,&[10.356]\$,&[11.871]\$,&[7.9386]\$,&[10.213]\$,&[9.33  
91]\$,&[7.8107]\$,&[11.205]\$  
&[3.2783]\$,&[6.235]\$,&[3.5679]\$,&[4.9638]\$,&[2.3101]\$,&[2.6602]\$,&[4.0344]\$,&[2.611  
4]\$,&[1.7667]\$,&[4.5063]\$

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 &[12.128]\$,&[12.816]\$,&[14.375]\$,&[10.548]\$,&[6.8102]\$,&[11.228]\$,&[10.894]\$,&[6.4389]\$,&[9.9272]\$,&[7.9492]\$  
 &[3.944]\$,&[4.6744]\$,&[2.3663]\$,&[4.1773]\$,&[4.222]\$,&[9.7552]\$,&[6.198]\$,&[6.0123]\$  
 \$,&[4.6524]\$,&[8.4077]\$  
 &[0.86427]\$,&[2.6046]\$,&[1.99]\$,&[1.4658]\$,&[2.1155]\$,&[2.4932]\$,&[2.5586]\$,&[3.0953]\$,&[0.7518]\$,&[2.8427]\$  
 &[10.377]\$,&[8.6635]\$,&[8.7657]\$,&[9.9013]\$,&[7.5234]\$,&[11.684]\$,&[9.2415]\$,&[8.8858]\$,&[11.951]\$,&[14.583]\$  
 &[14.326]\$,&[14.5]\$,&[13.248]\$,&[14.053]\$,&[13.5]\$,&[13.788]\$,&[13.968]\$,&[15.351]\$  
 ,&[14.738]\$,&[13.446]\$  
 &[6.8402]\$,&[6.7714]\$,&[6.6674]\$,&[6.1397]\$,&[6.5373]\$,&[9.9385]\$,&[7.8618]\$,&[9.2076]\$,&[6.8706]\$,&[6.3369]\$

#### EP18B031

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.019528

&[11.393]\$,&[10.116]\$,&[16.488]\$,&[14.571]\$,&[12.334]\$,&[18.824]\$,&[13.122]\$,&[12.406]\$,&[9.1241]\$,&[10.326]\$  
 &[6.3872]\$,&[13.507]\$,&[6.5285]\$,&[12.641]\$,&[9.5923]\$,&[12.04]\$,&[10.669]\$,&[9.0966]\$,&[6.5464]\$,&[13.144]\$  
 &[6.836]\$,&[5.5834]\$,&[4.9109]\$,&[7.9412]\$,&[6.4193]\$,&[1.3713]\$,&[3.2387]\$,&[10.17]\$,&[5.3863]\$,&[9.3937]\$  
 &[5.8643]\$,&[8.2304]\$,&[4.9785]\$,&[7.7691]\$,&[8.2494]\$,&[4.7953]\$,&[5.0032]\$,&[5.5158]\$,&[7.275]\$,&[5.5542]\$  
 &[10.84]\$,&[7.0887]\$,&[5.412]\$,&[6.95]\$,&[6.8485]\$,&[3.1355]\$,&[5.5223]\$,&[6.6002]\$  
,&[8.3035]\$,&[8.629]\$  
 &[2.8018]\$,&[5.5761]\$,&[5.0046]\$,&[1.0716]\$,&[4.1312]\$,&[5.6678]\$,&[5.5556]\$,&[3.9454]\$,&[2.7973]\$,&[5.1181]\$  
 &[2.1917]\$,&[3.5143]\$,&[5.4188]\$,&[3.1571]\$,&[2.1245]\$,&[7.8477]\$,&[7.0272]\$,&[3.9928]\$,&[1.4109]\$,&[2.7608]\$  
 &[14.609]\$,&[15.951]\$,&[11.045]\$,&[14.195]\$,&[14.705]\$,&[15.711]\$,&[17.244]\$,&[14.164]\$,&[15.258]\$,&[12.973]\$  
 &[9.1971]\$,&[0.14858]\$,&[5.5917]\$,&[2.8628]\$,&[9.3985]\$,&[6.284]\$,&[3.5906]\$,&[1.3233]\$,&[7.7622]\$,&[6.7168]\$  
 &[6.4053]\$,&[4.4529]\$,&[5.9314]\$,&[8.2003]\$,&[7.7574]\$,&[8.5825]\$,&[8.6225]\$,&[6.8504]\$,&[8.1439]\$,&[6.5664]\$

#### ME17B113

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0043233

&[14.286]\$,&[3.8043]\$,&[0.77023]\$,&[7.8723]\$,&[3.5004]\$,&[8.4601]\$,&[9.7535]\$,&[6.6803]\$,&[9.3185]\$,&[4.6059]\$  
 &[12.334]\$,&[1.2733]\$,&[0.62366]\$,&[13.925]\$,&[5.2562]\$,&[8.3966]\$,&[6.3965]\$,&[4.6901]\$,&[15.638]\$,&[4.6885]\$  
 &[12.441]\$,&[2.0769]\$,&[8.0385]\$,&[9.5464]\$,&[6.7108]\$,&[8.8684]\$,&[9.3246]\$,&[4.282]\$,&[12.062]\$,&[4.7107]\$

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&[11.845]\$,&[2.1286]\$,&[-0.26525]\$,&[9.0058]\$,&[10.752]\$,&[8.0151]\$,&[9.2841]\$,&[2.5641]\$,&[10.54]\$,&[7.3974]\$  
&[11.461]\$,&[2.7643]\$,&[3.9252]\$,&[10.623]\$,&[12.912]\$,&[8.544]\$,&[12.141]\$,&[5.3714]\$,&[9.4454]\$,&[4.5421]\$  
&[12.608]\$,&[1.9756]\$,&[3.0495]\$,&[6.718]\$,&[10.923]\$,&[8.9732]\$,&[11.249]\$,&[8.5502]\$,&[18.389]\$,&[5.1512]\$  
&[14.521]\$,&[0.28169]\$,&[4.6587]\$,&[9.4397]\$,&[7.8416]\$,&[9.1523]\$,&[11.342]\$,&[5.0874]\$,&[7.0337]\$,&[6.201]\$  
&[13.316]\$,&[1.7993]\$,&[2.8309]\$,&[9.8646]\$,&[11.053]\$,&[8.667]\$,&[8.9567]\$,&[8.926]\$,&[13.405]\$,&[3.6584]\$  
&[13.746]\$,&[2.1514]\$,&[2.9073]\$,&[7.4839]\$,&[11.726]\$,&[8.0203]\$,&[11.219]\$,&[10.851]\$,&[14.735]\$,&[1.1378]\$  
&[15.253]\$,&[4.2242]\$,&[1.4333]\$,&[12.702]\$,&[10.022]\$,&[8.2134]\$,&[9.3987]\$,&[-1.2274]\$,&[10.528]\$,&[2.6906]\$

#### ME17B120

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.012224  
&[8.1288]\$,&[13.144]\$,&[12.082]\$,&[8.362]\$,&[13.498]\$,&[11.987]\$,&[12.348]\$,&[9.3943]\$,&[11.381]\$,&[14.877]\$  
&[5.6826]\$,&[9.4892]\$,&[8.5615]\$,&[7.9255]\$,&[8.7767]\$,&[9.0482]\$,&[9.8382]\$,&[3.9807]\$,&[3.5531]\$,&[4.6913]\$  
&[7.4847]\$,&[8.2208]\$,&[4.0945]\$,&[4.2274]\$,&[5.7567]\$,&[5.0019]\$,&[5.1128]\$,&[6.143]\$,&[2.1893]\$,&[5.8562]\$  
&[5.6402]\$,&[0.28022]\$,&[4.3723]\$,&[2.5254]\$,&[4.3271]\$,&[1.7875]\$,&[2.5699]\$,&[1.3931]\$,&[3.4223]\$,&[2.2262]\$  
&[5.2842]\$,&[5.7144]\$,&[6.5976]\$,&[13.575]\$,&[8.0234]\$,&[5.1719]\$,&[10.938]\$,&[8.4297]\$,&[6.3422]\$,&[4.6438]\$  
&[10.177]\$,&[12.806]\$,&[10.857]\$,&[11.287]\$,&[9.7287]\$,&[10.865]\$,&[11.636]\$,&[14.038]\$,&[13.208]\$,&[11.463]\$  
&[14.164]\$,&[12.654]\$,&[10.136]\$,&[14.323]\$,&[13.473]\$,&[12.593]\$,&[14.448]\$,&[11.682]\$,&[14.736]\$,&[13.271]\$  
&[13.44]\$,&[17.741]\$,&[24.158]\$,&[20.917]\$,&[8.9445]\$,&[13.523]\$,&[13.909]\$,&[13.409]\$,&[17.783]\$,&[12.499]\$  
&[7.8779]\$,&[4.9071]\$,&[4.7368]\$,&[5.0612]\$,&[4.8414]\$,&[5.3939]\$,&[9.1285]\$,&[8.8515]\$,&[7.1208]\$,&[8.1528]\$  
&[17.683]\$,&[12.124]\$,&[11.477]\$,&[12.793]\$,&[14.552]\$,&[14.537]\$,&[12.616]\$,&[11.599]\$,&[14.728]\$,&[15.759]\$

#### ME17B137

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.039965  
&[0.48547]\$,&[7.7728]\$,&[12.157]\$,&[4.6733]\$,&[10.121]\$,&[9.5509]\$,&[-0.35774]\$,&[9.3426]\$,&[9.7943]\$,&[6.3544]\$  
&[6.6639]\$,&[0.21843]\$,&[11.274]\$,&[6.2286]\$,&[12.453]\$,&[9.5067]\$,&[6.1635]\$,&[8.9921]\$,&[9.6378]\$,&[10.409]\$

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&[2.2789]\$,&[1.9128]\$,&[17.624]\$,&[3.6931]\$,&[6.0924]\$,&[13.052]\$,&[5.6266]\$,&[11.471]\$,&[8.5144]\$,&[10.437]\$  
&[2.4847]\$,&[6.0875]\$,&[9.7421]\$,&[3.3169]\$,&[9.9193]\$,&[3.8563]\$,&[6.9808]\$,&[12.46]\$,&[8.673]\$,&[10.683]\$  
&[-0.40902]\$,&[7.5201]\$,&[15.952]\$,&[5.8925]\$,&[12.41]\$,&[13.714]\$,&[6.6215]\$,&[12.991]\$,&[10.26]\$,&[7.3128]\$  
&[2.4588]\$,&[-1.4253]\$,&[16.855]\$,&[4.9096]\$,&[14.977]\$,&[8.9166]\$,&[8.9225]\$,&[11.211]\$,&[11.347]\$,&[12.426]\$  
&[2.4357]\$,&[1.8449]\$,&[11.88]\$,&[3.7603]\$,&[13.379]\$,&[6.0023]\$,&[4.3272]\$,&[6.8881]\$,&[9.0965]\$,&[10.353]\$  
&[5.8207]\$,&[3.5069]\$,&[14.123]\$,&[3.7279]\$,&[3.6376]\$,&[9.9293]\$,&[7.4452]\$,&[9.3663]\$,&[10.216]\$,&[9.7341]\$  
&[0.66342]\$,&[9.2105]\$,&[13.355]\$,&[4.7341]\$,&[13.071]\$,&[10.982]\$,&[7.0284]\$,&[13.01]\$,&[9.8694]\$,&[7.7783]\$  
&[4.7431]\$,&[10.38]\$,&[14.562]\$,&[5.5649]\$,&[13.442]\$,&[9.7913]\$,&[4.5075]\$,&[16.147]\$,&[8.1162]\$,&[9.8374]\$

#### ME17B140

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0090624  
&[11.535]\$,&[11.128]\$,&[11.897]\$,&[14.602]\$,&[15.765]\$,&[14.897]\$,&[16.237]\$,&[11.931]\$,&[11.873]\$,&[13.341]\$  
&[1.4658]\$,&[4.1226]\$,&[4.7713]\$,&[4.8732]\$,&[1.4715]\$,&[1.9012]\$,&[4.6213]\$,&[1.2356]\$,&[1.9789]\$,&[-1.5]\$  
&[4.9491]\$,&[4.3]\$,&[6.1007]\$,&[6.3939]\$,&[5.8465]\$,&[6.3253]\$,&[4.4122]\$,&[5.0804]\$  
,&[4.2818]\$,&[4.9014]\$  
&[12.815]\$,&[13.496]\$,&[13.507]\$,&[12.885]\$,&[13.301]\$,&[13.836]\$,&[13.447]\$,&[12.855]\$,&[12.7]\$,&[13.127]\$  
&[6.473]\$,&[10.54]\$,&[9.4858]\$,&[3.9926]\$,&[4.8684]\$,&[4.0956]\$,&[4.9946]\$,&[6.2369]\$  
,&[9.5059]\$,&[10.055]\$  
&[15.166]\$,&[10.008]\$,&[10.592]\$,&[7.4442]\$,&[10.23]\$,&[9.0451]\$,&[10.593]\$,&[12.652]\$,&[12.792]\$,&[8.6544]\$  
&[0.91408]\$,&[0.90308]\$,&[4.3528]\$,&[3.4047]\$,&[1.1175]\$,&[0.26226]\$,&[2.5788]\$,&[7.2922]\$,&[1.9479]\$,&[4.4585]\$  
&[5.7283]\$,&[4.2023]\$,&[4.1998]\$,&[6.2619]\$,&[5.1201]\$,&[2.6489]\$,&[4.9494]\$,&[4.734]\$  
,&[5.6803]\$,&[4.3842]\$  
&[11.355]\$,&[5.3518]\$,&[7.1319]\$,&[7.5827]\$,&[3.1696]\$,&[8.0984]\$,&[8.3872]\$,&[10.606]\$,&[13.764]\$,&[10.872]\$  
&[7.6495]\$,&[7.6927]\$,&[12.751]\$,&[8.4401]\$,&[10.456]\$,&[8.7507]\$,&[9.1543]\$,&[8.0513]\$,&[4.1282]\$,&[8.169]\$

#### ME17B141

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.037613  
&[12.783]\$,&[13.74]\$,&[10.237]\$,&[11.127]\$,&[17.212]\$,&[12.615]\$,&[5.2329]\$,&[15.811]\$,&[13.43]\$,&[4.599]\$

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&[11.47]\$,&[9.4303]\$,&[12.253]\$,&[13.362]\$,&[12.87]\$,&[6.1035]\$,&[12.971]\$,&[11.138]  
]\$,&[12.994]\$,&[4.3347]\$  
&[8.948]\$,&[13.879]\$,&[11.004]\$,&[10.321]\$,&[11.922]\$,&[7.9043]\$,&[5.7469]\$,&[10.30  
6]\$,&[13.248]\$,&[7.4808]\$  
&[11.977]\$,&[8.6688]\$,&[14.316]\$,&[16.223]\$,&[11.27]\$,&[1.2709]\$,&[-1.7358]\$,&[6.91  
79]\$,&[13.243]\$,&[8.2871]\$  
&[13.414]\$,&[15.346]\$,&[13.538]\$,&[10.362]\$,&[12.879]\$,&[10.242]\$,&[10.067]\$,&[14.5  
77]\$,&[12.593]\$,&[3.4712]\$  
&[8.5859]\$,&[9.6535]\$,&[14.169]\$,&[13.444]\$,&[10.754]\$,&[7.5147]\$,&[3.0022]\$,&[14.1  
19]\$,&[12.489]\$,&[3.4088]\$  
&[7.4559]\$,&[7.1104]\$,&[13.598]\$,&[13.867]\$,&[12.733]\$,&[6.4071]\$,&[6.1322]\$,&[9.86  
44]\$,&[13.46]\$,&[4.7209]\$  
&[3.9084]\$,&[15.188]\$,&[13.005]\$,&[12.163]\$,&[10.678]\$,&[9.6039]\$,&[7.6068]\$,&[10.1  
42]\$,&[12.315]\$,&[4.7762]\$  
&[10.946]\$,&[10.819]\$,&[11.39]\$,&[13.309]\$,&[8.8159]\$,&[9.1247]\$,&[5.7743]\$,&[9.586  
9]\$,&[12.441]\$,&[5.5453]\$  
&[9.3953]\$,&[11.713]\$,&[13.631]\$,&[10.413]\$,&[13.765]\$,&[7.5401]\$,&[5.5044]\$,&[13.7  
02]\$,&[13.105]\$,&[4.6875]\$

#### ME17B146

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.011187

&[5.7503]\$,&[4.9431]\$,&[4.0395]\$,&[4.4612]\$,&[4.4426]\$,&[4.1597]\$,&[5.1862]\$,&[4.27  
62]\$,&[4.0881]\$,&[5.6717]\$  
&[9.8013]\$,&[10.009]\$,&[5.7644]\$,&[7.8353]\$,&[10.236]\$,&[9.6492]\$,&[4.2541]\$,&[3.19  
86]\$,&[7.8664]\$,&[9.9657]\$  
&[2.9272]\$,&[-3.2466]\$,&[-0.9536]\$,&[-0.12632]\$,&[1.0627]\$,&[4.6742]\$,&[4.1717]\$,&[  
8.6403]\$,&[6.5555]\$,&[6.586]\$  
&[12.046]\$,&[14.587]\$,&[12.778]\$,&[18.608]\$,&[17.33]\$,&[13.563]\$,&[14.296]\$,&[12.69  
7]\$,&[16.065]\$,&[17.543]\$  
&[4.8078]\$,&[7.1696]\$,&[6.5983]\$,&[7.3784]\$,&[3.7762]\$,&[5.8794]\$,&[7.8046]\$,&[7.96  
87]\$,&[6.216]\$,&[8.5823]\$  
&[4.4694]\$,&[2.1765]\$,&[3.4396]\$,&[2.2287]\$,&[1.0071]\$,&[1.8674]\$,&[-0.024207]\$,&[3  
.6448]\$,&[7.2877]\$,&[5.7351]\$  
&[15.197]\$,&[12.144]\$,&[13.828]\$,&[10.932]\$,&[12.21]\$,&[12.747]\$,&[10.023]\$,&[10.33  
3]\$,&[10.981]\$,&[12.49]\$  
&[8.972]\$,&[14.26]\$,&[13.629]\$,&[16.268]\$,&[10.902]\$,&[13.873]\$,&[14.658]\$,&[11.175  
]\$,&[13.879]\$,&[9.0499]\$  
&[11.95]\$,&[6.8191]\$,&[7.19]\$,&[5.4666]\$,&[9.1011]\$,&[12.487]\$,&[4.3465]\$,&[5.5657]  
\$,&[3.9649]\$,&[2.9478]\$  
&[8.2567]\$,&[7.5948]\$,&[9.833]\$,&[9.3947]\$,&[7.4199]\$,&[8.928]\$,&[11.304]\$,&[7.3845  
]\$,&[8.279]\$,&[6.7148]\$

#### ME17B184

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0022494

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&[3.6518]\$,&[12.847]\$,&[9.3273]\$,&[5.9802]\$,&[12.028]\$,&[5.3075]\$,&[2.1793]\$,&[2.68  
79]\$,&[18.022]\$,&[4.5018]\$\n&[2.5175]\$,&[14.877]\$,&[11.906]\$,&[6.5439]\$,&[14.213]\$,&[6.9079]\$,&[7.1568]\$,&[2.02  
12]\$,&[13.114]\$,&[4.5583]\$\n&[4.3962]\$,&[14.311]\$,&[7.3091]\$,&[7.1377]\$,&[15.013]\$,&[1.9676]\$,&[5.9163]\$,&[1.77  
06]\$,&[8.986]\$,&[6.4287]\$\n&[3.0408]\$,&[14.263]\$,&[10.03]\$,&[7.8195]\$,&[14.401]\$,&[1.6997]\$,&[5.2673]\$,&[2.313  
1]\$,&[12.128]\$,&[4.2658]\$\n&[3.0641]\$,&[10.788]\$,&[6.7871]\$,&[7.6981]\$,&[14.546]\$,&[6.5494]\$,&[1.6553]\$,&[0.53  
697]\$,&[10.453]\$,&[9.8901]\$\n&[2.8779]\$,&[8.4901]\$,&[10.506]\$,&[7.47]\$,&[15.6]\$,&[5.1702]\$,&[3.3257]\$,&[1.4091]\$\n,&[14.3]\$,&[6.6446]\$\n&[2.7646]\$,&[11.784]\$,&[11.87]\$,&[10.223]\$,&[12.978]\$,&[3.144]\$,&[1.7709]\$,&[0.9135  
2]\$,&[10.639]\$,&[3.9945]\$\n&[3.3452]\$,&[15.048]\$,&[10.181]\$,&[5.9781]\$,&[15.533]\$,&[1.1256]\$,&[2.4133]\$,&[0.02  
6306]\$,&[15.376]\$,&[8.8989]\$\n&[3.2584]\$,&[10.718]\$,&[11.523]\$,&[8.4819]\$,&[12.155]\$,&[3.7732]\$,&[5.0844]\$,&[1.26  
35]\$,&[14.297]\$,&[11.339]\$\n&[2.4778]\$,&[14.055]\$,&[9.1108]\$,&[8.6317]\$,&[16.379]\$,&[6.8037]\$,&[6.4407]\$,&[4.39  
98]\$,&[18.197]\$,&[7.653]\$\n

#### ME18B013

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.030973

&[12.931]\$,&[14.532]\$,&[10.853]\$,&[14.186]\$,&[13.76]\$,&[10.707]\$,&[13.353]\$,&[14.91  
7]\$,&[12.269]\$,&[15.726]\$\n&[5.5014]\$,&[6.3302]\$,&[7.0826]\$,&[5.1853]\$,&[6.0581]\$,&[5.6485]\$,&[6.7032]\$,&[6.92  
12]\$,&[7.5334]\$,&[7.1202]\$\n&[5.0852]\$,&[3.4549]\$,&[3.6789]\$,&[1.3153]\$,&[4.0609]\$,&[6.627]\$,&[2.8467]\$,&[8.664  
7]\$,&[4.3662]\$,&[3.2478]\$\n&[2.0977]\$,&[2.1688]\$,&[2.0884]\$,&[2.0645]\$,&[2.1714]\$,&[2.2284]\$,&[2.2036]\$,&[2.10  
31]\$,&[2.1335]\$,&[2.15]\$\n&[15.323]\$,&[13.177]\$,&[13.259]\$,&[15.869]\$,&[17.92]\$,&[10.808]\$,&[13.345]\$,&[18.28  
6]\$,&[16.347]\$,&[9.858]\$\n&[14.784]\$,&[16.313]\$,&[15.764]\$,&[13.721]\$,&[15.396]\$,&[15.341]\$,&[18.945]\$,&[16.1  
8]\$,&[18.723]\$,&[17.266]\$\n&[13.798]\$,&[12.669]\$,&[11.924]\$,&[16.616]\$,&[14.338]\$,&[13.234]\$,&[12.82]\$,&[13.10  
2]\$,&[13.786]\$,&[14.29]\$\n&[7.778]\$,&[5.2123]\$,&[10.179]\$,&[8.0663]\$,&[12.647]\$,&[11.351]\$,&[8.3472]\$,&[9.134  
7]\$,&[14.909]\$,&[5.4729]\$\n&[11.601]\$,&[17.301]\$,&[17.048]\$,&[20.759]\$,&[8.8992]\$,&[18.494]\$,&[14.164]\$,&[18.3  
67]\$,&[14.577]\$,&[16.74]\$\n&[5.1083]\$,&[5.6221]\$,&[4.5065]\$,&[3.1938]\$,&[8.5942]\$,&[3.8113]\$,&[3.6446]\$,&[3.41  
29]\$,&[-1.7918]\$,&[1.4048]\$\n

#### ME18B021

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ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.012995

&[12.958]\$,&[12.08]\$,&[10.756]\$,&[8.5522]\$,&[16.295]\$,&[15.663]\$,&[13.006]\$,&[6.9657]\$,&[12.517]\$,&[-0.28563]\$  
&[11.584]\$,&[9.1832]\$,&[10.92]\$,&[6.3854]\$,&[14.603]\$,&[14.13]\$,&[14.406]\$,&[5.7709]\$,&[17.485]\$,&[4.2654]\$  
&[11.622]\$,&[13.157]\$,&[8.9766]\$,&[8.5787]\$,&[13.017]\$,&[10.503]\$,&[17.43]\$,&[5.666]\$,&[8.8957]\$,&[3.9591]\$  
&[6.677]\$,&[13.765]\$,&[10.193]\$,&[12.037]\$,&[13.223]\$,&[11.017]\$,&[13.958]\$,&[8.8689]\$,&[9.3308]\$,&[2.9073]\$  
&[18.314]\$,&[12.722]\$,&[10.169]\$,&[4.9265]\$,&[13.892]\$,&[9.6679]\$,&[13.137]\$,&[6.692]\$,&[14.12]\$,&[0.51745]\$  
&[11.643]\$,&[13.109]\$,&[9.0406]\$,&[7.8246]\$,&[18.406]\$,&[11.721]\$,&[15.473]\$,&[11.111]\$,&[10.325]\$,&[2.6564]\$  
&[14.82]\$,&[11.568]\$,&[10.619]\$,&[7.6372]\$,&[19.112]\$,&[13.469]\$,&[14.825]\$,&[6.6933]\$,&[15.08]\$,&[2.9532]\$  
&[13.214]\$,&[14.385]\$,&[10.793]\$,&[9.6288]\$,&[16.861]\$,&[14.36]\$,&[16.479]\$,&[7.8099]\$,&[11.543]\$,&[7.5729]\$  
&[17.879]\$,&[8.9138]\$,&[9.9091]\$,&[6.3975]\$,&[14.968]\$,&[13.322]\$,&[12.662]\$,&[10.756]\$,&[15.336]\$,&[7.13]\$  
&[11.209]\$,&[10.744]\$,&[9.6984]\$,&[8.3673]\$,&[14.863]\$,&[15.267]\$,&[13.816]\$,&[8.9216]\$,&[12.087]\$,&[-0.81721]\$

#### ME18B023

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.036234

&[15.773]\$,&[12.053]\$,&[14.14]\$,&[13.186]\$,&[12.182]\$,&[14.435]\$,&[13.842]\$,&[13.238]\$,&[13.035]\$,&[14.928]\$  
&[8.8943]\$,&[7.2147]\$,&[8.1907]\$,&[7.6259]\$,&[7.5872]\$,&[8.1614]\$,&[7.402]\$,&[12.03]\$,&[10.174]\$,&[8.9738]\$  
&[-3.9127]\$,&[5.3156]\$,&[7.7159]\$,&[2.7665]\$,&[-1.8581]\$,&[3.1828]\$,&[4.0192]\$,&[3.2234]\$,&[6.7103]\$,&[1.8535]\$  
&[3.4589]\$,&[3.0125]\$,&[3.7129]\$,&[7.5718]\$,&[1.2854]\$,&[1.692]\$,&[4.0989]\$,&[-0.70658]\$,&[1.6962]\$,&[0.75451]\$  
&[5.6414]\$,&[5.7379]\$,&[6.621]\$,&[3.1453]\$,&[6.9484]\$,&[8.1651]\$,&[8.0766]\$,&[0.41385]\$,&[9.8273]\$,&[3.265]\$  
&[-1.5428]\$,&[1.8473]\$,&[0.58839]\$,&[2.1221]\$,&[4.2642]\$,&[1.6134]\$,&[1.3887]\$,&[4.5872]\$,&[1.9008]\$,&[3.0485]\$  
&[16.549]\$,&[13.957]\$,&[14.15]\$,&[16.002]\$,&[9.7096]\$,&[14.593]\$,&[11.983]\$,&[12.837]\$,&[14.292]\$,&[12.597]\$  
&[5.2473]\$,&[7.3436]\$,&[7.8954]\$,&[4.1402]\$,&[3.9446]\$,&[7.4677]\$,&[12.922]\$,&[9.3702]\$,&[4.9439]\$,&[7.2277]\$  
&[4.2525]\$,&[6.0713]\$,&[3.8913]\$,&[5.9884]\$,&[3.0674]\$,&[-0.4111]\$,&[4.1977]\$,&[5.8341]\$,&[2.8598]\$,&[4.8394]\$  
&[10.9]\$,&[11.855]\$,&[9.6407]\$,&[10.043]\$,&[9.9025]\$,&[13.026]\$,&[14.381]\$,&[9.8937]\$,&[11.406]\$,&[13.176]\$

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ME18B024

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.016793

&[13.942]\$,&[7.761]\$,&[7.6137]\$,&[6.7583]\$,&[11.062]\$,&[12.163]\$,&[9.6423]\$,&[11.639]\$,&[13.218]\$,&[12.549]\$  
&[9.3112]\$,&[4.8633]\$,&[7.5964]\$,&[4.9938]\$,&[13.339]\$,&[9.7131]\$,&[11.835]\$,&[9.7783]\$,&[15.2]\$,&[12.481]\$  
&[13.376]\$,&[8.0999]\$,&[13.94]\$,&[9.8089]\$,&[11.1]\$,&[12.935]\$,&[8.7171]\$,&[10.583]\$  
&[17.567]\$,&[16.203]\$  
&[11.113]\$,&[11.921]\$,&[9.7404]\$,&[8.999]\$,&[11.284]\$,&[10.925]\$,&[8.6316]\$,&[9.6484]\$  
&[9.0503]\$,&[10.786]\$  
&[14.362]\$,&[6.7377]\$,&[10.336]\$,&[11.228]\$,&[10.884]\$,&[9.3177]\$,&[8.1056]\$,&[14.44]\$  
&[17.48]\$,&[10.557]\$  
&[10.605]\$,&[10.971]\$,&[8.658]\$,&[12.408]\$,&[12.591]\$,&[9.6549]\$,&[11.962]\$,&[12.868]\$  
&[16.444]\$,&[11.832]\$  
&[13.54]\$,&[6.9934]\$,&[6.1637]\$,&[8.8002]\$,&[10.878]\$,&[13.491]\$,&[12.532]\$,&[12.943]\$  
&[13.565]\$,&[14.614]\$  
&[9.7686]\$,&[8.9311]\$,&[9.3897]\$,&[7.7328]\$,&[11.708]\$,&[13.463]\$,&[13.794]\$,&[16.809]\$  
&[8.3392]\$,&[11.86]\$  
&[14.088]\$,&[13.162]\$,&[11.212]\$,&[10.981]\$,&[11.219]\$,&[10.126]\$,&[10.088]\$,&[10]\$  
,&[13.855]\$,&[11.963]\$  
&[13.678]\$,&[6.6694]\$,&[12.301]\$,&[7.2766]\$,&[12.9]\$,&[8.6303]\$,&[8.4137]\$,&[15.802]\$  
&[19.461]\$,&[14.063]\$

ME18B040

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0033136

&[6.3984]\$,&[7.9297]\$,&[11.462]\$,&[14.159]\$,&[1.2488]\$,&[8.0461]\$,&[3.2465]\$,&[8.8228]\$,&[7.0081]\$,&[5.9605]\$  
&[2.8846]\$,&[5.5293]\$,&[15.672]\$,&[9.7324]\$,&[3.498]\$,&[8.1805]\$,&[3.2045]\$,&[11.379]\$  
&[5.2754]\$,&[5.9685]\$  
&[6.7019]\$,&[9.1147]\$,&[7.9129]\$,&[11.487]\$,&[3.6456]\$,&[8.178]\$,&[3.4167]\$,&[9.9548]\$  
&[3.187]\$,&[5.82]\$  
&[9.8043]\$,&[7.86]\$,&[6.1014]\$,&[11.85]\$,&[4.6161]\$,&[8.1669]\$,&[7.2302]\$,&[12.638]\$  
&[10.687]\$,&[2.5047]\$  
&[6.9646]\$,&[5.7668]\$,&[8.1984]\$,&[10.484]\$,&[5.1328]\$,&[8.6015]\$,&[0.003591]\$,&[11.906]\$  
&[12.126]\$,&[5.9612]\$  
&[7.8139]\$,&[6.6617]\$,&[10.663]\$,&[11.089]\$,&[2.9865]\$,&[8.2079]\$,&[2.3355]\$,&[5.5861]\$  
&[8.6217]\$,&[5.8864]\$  
&[7.046]\$,&[6.7545]\$,&[11.794]\$,&[11.652]\$,&[2.3564]\$,&[8.5219]\$,&[2.3797]\$,&[10.452]\$  
&[4.8317]\$,&[6.0606]\$  
&[5.9555]\$,&[10.239]\$,&[7.5847]\$,&[7.2865]\$,&[4.775]\$,&[8.2743]\$,&[6.1468]\$,&[9.9032]\$  
&[6.9224]\$,&[5.8745]\$  
&[5.248]\$,&[10.344]\$,&[12.324]\$,&[12.574]\$,&[1.6825]\$,&[8.4151]\$,&[4.9569]\$,&[11.77]\$  
&[5.9065]\$,&[7.1749]\$  
&[6.0604]\$,&[6.8042]\$,&[11.921]\$,&[12.186]\$,&[2.8962]\$,&[8.3741]\$,&[10.456]\$,&[13.2

BT2022\_qiii\_22\_alldata

91]\$,&[5.495]\$,&[7.0678]\$

ME18B042

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.039573

&[8.3067]\$,&[5.9843]\$,&[3.3814]\$,&[8.6453]\$,&[7.5887]\$,&[5.0561]\$,&[6.5292]\$,&[6.10  
08]\$,&[7.9693]\$,&[8.1523]  
&[12.946]\$,&[14.324]\$,&[13.734]\$,&[16.085]\$,&[14.347]\$,&[12.885]\$,&[11.179]\$,&[16.1  
65]\$,&[20.588]\$,&[15.441]  
&[9.5179]\$,&[15]\$,&[11.694]\$,&[5.8625]\$,&[11.31]\$,&[10.237]\$,&[9.345]\$,&[9.9192]\$,&  
[9.553]\$,&[11.51]  
&[8.508]\$,&[6.6528]\$,&[8.2056]\$,&[11.088]\$,&[8.5123]\$,&[9.1228]\$,&[6.5834]\$,&[6.633  
8]\$,&[0.98069]\$,&[6.9444]  
&[10.544]\$,&[9.7207]\$,&[9.1761]\$,&[4.4157]\$,&[9.9706]\$,&[10.38]\$,&[3.3322]\$,&[8.257  
3]\$,&[8.6733]\$,&[6.4357]  
&[13.963]\$,&[12.04]\$,&[17.199]\$,&[13.457]\$,&[14.334]\$,&[13.945]\$,&[13.864]\$,&[14.75  
7]\$,&[14.751]\$,&[12.758]  
&[12.251]\$,&[11.603]\$,&[12.743]\$,&[12.678]\$,&[11.644]\$,&[12.291]\$,&[11.882]\$,&[12.1  
77]\$,&[12.319]\$,&[11.917]  
&[7.4606]\$,&[9.5335]\$,&[5.1558]\$,&[7.5443]\$,&[-0.13569]\$,&[4.3178]\$,&[9.3142]\$,&[6.  
1261]\$,&[4.2989]\$,&[6.1772]  
&[2.2133]\$,&[2.3205]\$,&[2.0771]\$,&[2.2085]\$,&[2.332]\$,&[1.9694]\$,&[2.3231]\$,&[2.076  
4]\$,&[2.2113]\$,&[2.2686]  
&[6.6359]\$,&[5.5121]\$,&[5.3353]\$,&[5.6243]\$,&[2.8433]\$,&[7.4539]\$,&[6.5411]\$,&[3.07  
47]\$,&[6.8399]\$,&[5.6126]

ME18B055

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.043108

&[5.766]\$,&[3.7635]\$,&[6.6953]\$,&[7.2626]\$,&[0.017851]\$,&[13.593]\$,&[7.1292]\$,&[2.6  
689]\$,&[-0.054441]\$,&[6.0966]  
&[6.5066]\$,&[5.6905]\$,&[6.646]\$,&[8.3623]\$,&[1.9153]\$,&[11.109]\$,&[5.3133]\$,&[4.340  
2]\$,&[5.595]\$,&[5.4238]  
&[4.3239]\$,&[-0.37306]\$,&[7.2138]\$,&[8.2097]\$,&[4.2605]\$,&[8.7311]\$,&[9.3661]\$,&[4.  
93]\$,&[3.4455]\$,&[3.281]  
&[6.2997]\$,&[0.085783]\$,&[7.4074]\$,&[7.4309]\$,&[-0.8021]\$,&[7.2965]\$,&[7.4176]\$,&[1  
.6909]\$,&[2.6604]\$,&[5.2715]  
&[4.6001]\$,&[3.1935]\$,&[6.9975]\$,&[7.591]\$,&[4.4132]\$,&[2.9273]\$,&[6.3458]\$,&[0.841  
1]\$,&[7.064]\$,&[4.3627]  
&[7.5357]\$,&[4.1024]\$,&[6.9294]\$,&[7.4183]\$,&[2.2296]\$,&[2.3744]\$,&[5.372]\$,&[0.573  
91]\$,&[5.9246]\$,&[5.3079]  
&[4.5576]\$,&[3.3807]\$,&[6.3146]\$,&[8.3448]\$,&[2.0728]\$,&[6.0025]\$,&[8.3704]\$,&[7.80  
69]\$,&[1.7595]\$,&[5.1192]  
&[7.2103]\$,&[7.454]\$,&[7.3251]\$,&[7.5236]\$,&[-1.5315]\$,&[4.2232]\$,&[5.9117]\$,&[1.42  
91]\$,&[1.3507]\$,&[6.8882]  
&[10.693]\$,&[3.7013]\$,&[7.1944]\$,&[6.6894]\$,&[3.9804]\$,&[10.343]\$,&[6.73]\$,&[4.2612]

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]\$,&[1.8826]\$,&[3.7887]\$  
&[8.019]\$,&[0.28983]\$,&[6.9159]\$,&[7.6614]\$,&[5.4536]\$,&[13.265]\$,&[8.6054]\$,&[2.08  
11]\$,&[2.1888]\$,&[6.9208]\$

ME18B079

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0039468

&[2.6237]\$,&[15.378]\$,&[13.171]\$,&[7.7388]\$,&[9.8872]\$,&[8.4545]\$,&[6.5759]\$,&[0.99  
164]\$,&[2.7713]\$,&[10.353]\$  
&[5.6159]\$,&[14.325]\$,&[9.1228]\$,&[6.6095]\$,&[8.7842]\$,&[11.473]\$,&[4.741]\$,&[2.087  
2]\$,&[4.3403]\$,&[10.222]\$  
&[8.6023]\$,&[13.622]\$,&[11.46]\$,&[3.6632]\$,&[7.3803]\$,&[8.9846]\$,&[6.1267]\$,&[2.477  
6]\$,&[-0.80677]\$,&[10.057]\$  
&[4.582]\$,&[12.986]\$,&[13.836]\$,&[8.3134]\$,&[5.7648]\$,&[6.7706]\$,&[0.68112]\$,&[7.69  
88]\$,&[1.9666]\$,&[10.701]\$  
&[1.9387]\$,&[12.75]\$,&[9.6037]\$,&[2.817]\$,&[7.9627]\$,&[9.779]\$,&[2.5631]\$,&[3.7398]  
\$,&[3.3635]\$,&[10.428]\$  
&[7.9648]\$,&[10.762]\$,&[5.7812]\$,&[4.6159]\$,&[9.6461]\$,&[9.8302]\$,&[4.0809]\$,&[5.37  
54]\$,&[0.3859]\$,&[10.123]\$  
&[4.2585]\$,&[13.114]\$,&[8.2335]\$,&[8.0632]\$,&[7.8729]\$,&[8.1066]\$,&[6.6686]\$,&[-2.0  
657]\$,&[2.7043]\$,&[9.4668]\$  
&[4.4725]\$,&[12.817]\$,&[13.192]\$,&[9.0522]\$,&[7.3621]\$,&[5.1152]\$,&[3.93]\$,&[-2.826  
4]\$,&[2.9666]\$,&[9.6331]\$  
&[1.0419]\$,&[9.6531]\$,&[12.714]\$,&[9.5371]\$,&[11.368]\$,&[11.904]\$,&[4.1013]\$,&[5.45  
93]\$,&[0.55238]\$,&[9.8679]\$  
&[3.363]\$,&[11.824]\$,&[14.492]\$,&[7.6994]\$,&[9.7018]\$,&[5.7384]\$,&[2.6767]\$,&[-0.16  
95]\$,&[2.752]\$,&[10.412]\$

ME18B087

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.03449

&[6.6241]\$,&[4.2088]\$,&[9.3931]\$,&[6.3764]\$,&[7.8221]\$,&[8.0971]\$,&[8.9168]\$,&[7.68  
12]\$,&[10.066]\$,&[8.2066]\$  
&[2.0311]\$,&[2.4015]\$,&[1.4367]\$,&[2.6956]\$,&[2.5604]\$,&[5.3518]\$,&[0.74704]\$,&[2.9  
637]\$,&[2.8594]\$,&[2.7884]\$  
&[11.023]\$,&[15.064]\$,&[13.948]\$,&[12.319]\$,&[12.426]\$,&[13.747]\$,&[13.224]\$,&[14.2  
71]\$,&[10.759]\$,&[13.392]\$  
&[4.7198]\$,&[10.192]\$,&[5.4898]\$,&[12.046]\$,&[9.004]\$,&[10.393]\$,&[11.441]\$,&[7.875  
3]\$,&[6.9938]\$,&[13.368]\$  
&[6.2312]\$,&[2.6051]\$,&[4.4354]\$,&[4.277]\$,&[3.5347]\$,&[6.6861]\$,&[4.1233]\$,&[2.596  
6]\$,&[4.9944]\$,&[7.1679]\$  
&[10.046]\$,&[9.7808]\$,&[6.8764]\$,&[11.952]\$,&[5.7752]\$,&[9.7419]\$,&[6.3052]\$,&[7.87  
05]\$,&[9.0757]\$,&[9.7941]\$  
&[4.5566]\$,&[5.4725]\$,&[2.6155]\$,&[6.0958]\$,&[4.1536]\$,&[4.9714]\$,&[3.8938]\$,&[4.02  
52]\$,&[4.6513]\$,&[5.9837]\$  
&[2.1221]\$,&[4.0818]\$,&[0.38275]\$,&[3.4861]\$,&[0.92879]\$,&[2.5379]\$,&[2.536]\$,&[3.6

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701]\$,&[4.7842]\$,&[3.7295]\$  
&[8.0322]\$,&[6.9569]\$,&[1.5329]\$,&[8.4802]\$,&[7.1972]\$,&[7.2761]\$,&[8.2557]\$,&[7.94  
01]\$,&[3.0857]\$,&[6.4664]\$  
&[9.0855]\$,&[9.0041]\$,&[8.9417]\$,&[7.7936]\$,&[10.763]\$,&[6.3488]\$,&[8.8182]\$,&[9.91  
88]\$,&[5.9563]\$,&[8.0176]\$

#### ME18B102

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.025655  
&[14.412]\$,&[5.6766]\$,&[6.9979]\$,&[12.166]\$,&[3.6766]\$,&[5.5114]\$,&[3.6751]\$,&[10.4  
7]\$,&[10.829]\$,&[8.7418]\$  
&[13.049]\$,&[1.7325]\$,&[3.0088]\$,&[11.784]\$,&[6.6801]\$,&[7.8345]\$,&[5.3313]\$,&[13.9  
42]\$,&[10.467]\$,&[7.8457]\$  
&[12.879]\$,&[3.1642]\$,&[5.598]\$,&[13.371]\$,&[4.6575]\$,&[6.3358]\$,&[4.5617]\$,&[12.87  
7]\$,&[7.9249]\$,&[8.4907]\$  
&[7.4933]\$,&[5.2075]\$,&[3.0262]\$,&[12.385]\$,&[7.5435]\$,&[7.2989]\$,&[7.9793]\$,&[12.3  
12]\$,&[13.524]\$,&[9.9963]\$  
&[11.234]\$,&[5.4037]\$,&[7.5243]\$,&[15.243]\$,&[4.6121]\$,&[8.8394]\$,&[2.9958]\$,&[7.88  
06]\$,&[6.8696]\$,&[7.5815]\$  
&[11.375]\$,&[5.3847]\$,&[4.8317]\$,&[12.529]\$,&[6.7153]\$,&[7.5045]\$,&[0.4326]\$,&[11.2  
24]\$,&[9.3409]\$,&[5.99]\$  
&[5.3119]\$,&[4.7845]\$,&[1.4027]\$,&[14.602]\$,&[4.5726]\$,&[5.9039]\$,&[4.7872]\$,&[15.0  
74]\$,&[9.7639]\$,&[6.9485]\$  
&[8.2486]\$,&[4.0206]\$,&[8.8566]\$,&[11.02]\$,&[-1.7843]\$,&[8.5575]\$,&[2.8432]\$,&[17.8  
73]\$,&[9.2782]\$,&[6.4885]\$  
&[11.522]\$,&[1.5899]\$,&[5.6737]\$,&[10.831]\$,&[1.6813]\$,&[6.2717]\$,&[9.4407]\$,&[5.91  
67]\$,&[12.297]\$,&[5.6048]\$  
&[12.935]\$,&[6.787]\$,&[5.8546]\$,&[14.567]\$,&[3.9418]\$,&[8.6798]\$,&[6.4009]\$,&[7.230  
9]\$,&[13.217]\$,&[7.5725]\$

#### ME18B103

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.0059173  
&[7.5594]\$,&[4.2685]\$,&[10.545]\$,&[3.577]\$,&[10.802]\$,&[4.4279]\$,&[6.6481]\$,&[6.962  
7]\$,&[5.2495]\$,&[14.172]\$  
&[16.827]\$,&[15.008]\$,&[12.738]\$,&[9.7942]\$,&[12.854]\$,&[8.2593]\$,&[14.163]\$,&[14.4  
75]\$,&[12.627]\$,&[13.885]\$  
&[12.907]\$,&[10.389]\$,&[10.697]\$,&[8.3891]\$,&[11.49]\$,&[16.225]\$,&[14.32]\$,&[12.735  
]\$,&[13.176]\$,&[10.952]\$  
&[9.8109]\$,&[11.619]\$,&[7.0812]\$,&[9.3425]\$,&[10.008]\$,&[13.998]\$,&[11.83]\$,&[10.76  
6]\$,&[8.374]\$,&[9.2196]\$  
&[7.7473]\$,&[12.217]\$,&[19.777]\$,&[10.943]\$,&[8.4351]\$,&[17.894]\$,&[14.326]\$,&[13.0  
78]\$,&[16.852]\$,&[10.028]\$  
&[15.119]\$,&[17.58]\$,&[12.714]\$,&[15.625]\$,&[13.428]\$,&[18.262]\$,&[11.773]\$,&[11.43  
5]\$,&[18.059]\$,&[11.793]\$  
&[18.084]\$,&[13.573]\$,&[16.151]\$,&[12.207]\$,&[11.718]\$,&[13.491]\$,&[10.529]\$,&[12.7

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48]\$,&[13.613]\$,&[16.812]\$  
&[3.3725]\$,&[0.76963]\$,&[-2.5411]\$,&[2.5577]\$,&[4.3154]\$,&[-2.8827]\$,&[2.8874]\$,&[2  
.0582]\$,&[3.5462]\$,&[8.0435]\$  
&[2.2254]\$,&[3.65]\$,&[-0.31444]\$,&[3.9199]\$,&[-0.23279]\$,&[0.30258]\$,&[3.2493]\$,&[1  
.6432]\$,&[1.7951]\$,&[2.3501]\$  
&[11.342]\$,&[10.477]\$,&[5.8528]\$,&[6.6994]\$,&[6.227]\$,&[7.6184]\$,&[11.21]\$,&[8.9318  
]\$,&[7.5809]\$,&[8.0076]\$

ME18B105

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.013754  
&[6.1108]\$,&[6.803]\$,&[8.9839]\$,&[10.006]\$,&[17.369]\$,&[10.754]\$,&[0.34342]\$,&[2.48  
62]\$,&[8.0655]\$,&[6.0834]\$  
&[7.1759]\$,&[7.2506]\$,&[6.4827]\$,&[9.0354]\$,&[12.44]\$,&[9.8174]\$,&[7.3679]\$,&[-0.42  
302]\$,&[7.7183]\$,&[3.1412]\$  
&[1.6564]\$,&[10.336]\$,&[7.9276]\$,&[11.615]\$,&[13.475]\$,&[9.0152]\$,&[6.0966]\$,&[2.04  
]\$,&[7.5119]\$,&[4.9538]\$  
&[3.5293]\$,&[4.1766]\$,&[1.7192]\$,&[12.183]\$,&[13.8]\$,&[8.9423]\$,&[6.0187]\$,&[1.0312  
]\$,&[6.3578]\$,&[7.3688]\$  
&[10.924]\$,&[5.1287]\$,&[4.891]\$,&[10.956]\$,&[16.642]\$,&[11.301]\$,&[1.0831]\$,&[5.194  
1]\$,&[7.3119]\$,&[6.7151]\$  
&[8.7468]\$,&[10.978]\$,&[3.4586]\$,&[8.3336]\$,&[14.027]\$,&[14.767]\$,&[2.8871]\$,&[3.45  
9]\$,&[7.2438]\$,&[4.2367]\$  
&[5.698]\$,&[8.7842]\$,&[2.4403]\$,&[10.408]\$,&[11.058]\$,&[9.9249]\$,&[2.3999]\$,&[3.603  
8]\$,&[8.0301]\$,&[8.2423]\$  
&[7.7151]\$,&[8.4369]\$,&[5.473]\$,&[12.159]\$,&[13.804]\$,&[11.334]\$,&[5.778]\$,&[0.0561  
1]\$,&[9.1231]\$,&[4.3758]\$  
&[6.3801]\$,&[12.077]\$,&[3.6045]\$,&[8.7175]\$,&[16.041]\$,&[11.289]\$,&[0.48347]\$,&[0.7  
6051]\$,&[7.5569]\$,&[2.7322]\$  
&[3.4771]\$,&[6.2829]\$,&[5.2205]\$,&[8.2881]\$,&[16.01]\$,&[5.341]\$,&[1.3767]\$,&[1.4385  
]\$,&[7.5504]\$,&[9.5626]\$

ME18B106

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.011088  
&[8.722]\$,&[9.4719]\$,&[9.0774]\$,&[6.9962]\$,&[7.2036]\$,&[8.9374]\$,&[10.844]\$,&[11.17  
6]\$,&[10.64]\$,&[11.28]\$  
&[8.0436]\$,&[4.7822]\$,&[5.0615]\$,&[12.816]\$,&[7.5924]\$,&[2.3105]\$,&[5.7106]\$,&[8.79  
]\$,&[1.4947]\$,&[4.238]\$  
&[15.531]\$,&[12.922]\$,&[15.035]\$,&[16.689]\$,&[11.442]\$,&[14.708]\$,&[13.904]\$,&[14.4  
49]\$,&[15.419]\$,&[15.611]\$  
&[3.8173]\$,&[5.8991]\$,&[9.3481]\$,&[6.629]\$,&[7.6864]\$,&[3.439]\$,&[9.3396]\$,&[5.6943  
]\$,&[11.469]\$,&[6.3703]\$  
&[4.8674]\$,&[6.4895]\$,&[4.6492]\$,&[3.0078]\$,&[2.9097]\$,&[2.3199]\$,&[5.7846]\$,&[3.45  
65]\$,&[6.7976]\$,&[3.3192]\$  
&[13.368]\$,&[12.209]\$,&[13.474]\$,&[13.992]\$,&[13.575]\$,&[12.492]\$,&[13.162]\$,&[14.6

BT2022\_qiii\_22\_alldata

12]\$,&[13.281]\$,&[13.668]\$  
&[11.715]\$,&[11.394]\$,&[5.5637]\$,&[9.2149]\$,&[9.85]\$,&[14.675]\$,&[12.511]\$,&[12.857]  
]\$,&[13.881]\$,&[8.3791]\$  
&[7.1257]\$,&[8.0245]\$,&[7.5393]\$,&[12.035]\$,&[9.5716]\$,&[11.265]\$,&[9.4995]\$,&[10.2  
23]\$,&[6.7925]\$,&[8.2904]\$  
&[1.7987]\$,&[-1.5593]\$,&[4.1387]\$,&[2.2413]\$,&[4.6212]\$,&[9.448]\$,&[4.1476]\$,&[4.38  
21]\$,&[3.3978]\$,&[3.0663]\$  
&[2.0157]\$,&[4.7167]\$,&[3.1713]\$,&[3.0926]\$,&[5.3909]\$,&[4.1824]\$,&[2.1387]\$,&[5.51  
12]\$,&[5.8965]\$,&[3.1236]\$

#### ME18B108

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.024387  
&[9.0961]\$,&[8.2925]\$,&[3.2684]\$,&[1.9551]\$,&[5.4843]\$,&[4.1897]\$,&[10.561]\$,&[1.99  
89]\$,&[9.732]\$,&[7.1093]\$  
&[7.207]\$,&[13.674]\$,&[3.4749]\$,&[6.2907]\$,&[5.1812]\$,&[10.364]\$,&[13.909]\$,&[1.301  
9]\$,&[8.7567]\$,&[3.9321]\$  
&[6.7178]\$,&[14.782]\$,&[3.9429]\$,&[5.6018]\$,&[6.0193]\$,&[8.4958]\$,&[8.8919]\$,&[1.70  
69]\$,&[8.127]\$,&[10.57]\$  
&[8.9705]\$,&[10.1]\$,&[3.8054]\$,&[1.3342]\$,&[5.3533]\$,&[14.766]\$,&[13.872]\$,&[1.5305  
]\$,&[13.187]\$,&[7.6979]\$  
&[9.1695]\$,&[17.584]\$,&[3.9068]\$,&[8.2264]\$,&[6.0154]\$,&[7.8538]\$,&[14.306]\$,&[3.01  
14]\$,&[8.0144]\$,&[14.124]\$  
&[6.8294]\$,&[9.2533]\$,&[3.5782]\$,&[1.9132]\$,&[6.4684]\$,&[12.23]\$,&[17.229]\$,&[1.977  
5]\$,&[8.2908]\$,&[8.8663]\$  
&[8.3867]\$,&[12.002]\$,&[8.2731]\$,&[9.45]\$,&[5.1262]\$,&[10.418]\$,&[12.024]\$,&[2.7263  
]\$,&[10.408]\$,&[9.8518]\$  
&[6.1864]\$,&[13.008]\$,&[4.6657]\$,&[6.2648]\$,&[6.8611]\$,&[7.8284]\$,&[12.859]\$,&[1.77  
99]\$,&[12.338]\$,&[11.085]\$  
&[9.2218]\$,&[10.887]\$,&[2.5078]\$,&[9.3827]\$,&[5.148]\$,&[6.9825]\$,&[13.093]\$,&[2.131  
4]\$,&[15.296]\$,&[9.6755]\$  
&[7.8571]\$,&[11.117]\$,&[5.8121]\$,&[6.4899]\$,&[5.8095]\$,&[9.454]\$,&[10.324]\$,&[2.958  
6]\$,&[11.891]\$,&[10.666]\$

#### ME18B109

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.032794  
&[9.1834]\$,&[11.433]\$,&[13.693]\$,&[9.9255]\$,&[8.6525]\$,&[10.758]\$,&[13.421]\$,&[11.4  
21]\$,&[9.752]\$,&[16.564]\$  
&[8.1474]\$,&[13.377]\$,&[13.249]\$,&[8.7302]\$,&[11.993]\$,&[13.304]\$,&[10.884]\$,&[6.12  
67]\$,&[13.493]\$,&[14.106]\$  
&[7.1546]\$,&[13.654]\$,&[11.067]\$,&[6.6094]\$,&[8.1259]\$,&[13.688]\$,&[4.6948]\$,&[11.1  
2]\$,&[11.059]\$,&[14.025]\$  
&[8.5888]\$,&[8.0557]\$,&[12.622]\$,&[9.6864]\$,&[10.919]\$,&[14.368]\$,&[10.975]\$,&[10.6  
75]\$,&[13.458]\$,&[16.185]\$  
&[9.7424]\$,&[10.373]\$,&[11.758]\$,&[12.066]\$,&[11.623]\$,&[13.65]\$,&[12.543]\$,&[7.702

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1]\$,&[7.7969]\$,&[15.167]\$  
&[8.4057]\$,&[10.194]\$,&[13.106]\$,&[7.6583]\$,&[9.8451]\$,&[12.598]\$,&[10.125]\$,&[9.24  
62]\$,&[9.664]\$,&[15.407]\$  
&[9.6871]\$,&[15.152]\$,&[11.266]\$,&[8.991]\$,&[9.5648]\$,&[15.74]\$,&[10.499]\$,&[9.8696  
]\$,&[11.558]\$,&[15.188]\$  
&[10.396]\$,&[13.669]\$,&[13.507]\$,&[7.8159]\$,&[10.476]\$,&[11.578]\$,&[12.716]\$,&[8.83  
35]\$,&[13.54]\$,&[15.848]\$  
&[11.472]\$,&[11.912]\$,&[9.9658]\$,&[5.8078]\$,&[9.9186]\$,&[11.327]\$,&[11.664]\$,&[8.52  
79]\$,&[11.323]\$,&[14.941]\$  
&[10.2]\$,&[11.174]\$,&[13.622]\$,&[9.6678]\$,&[8.5716]\$,&[11.467]\$,&[10.287]\$,&[10.281  
]\$,&[8.9313]\$,&[13.784]\$

#### ME18B112

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.03766

&[2.3468]\$,&[3.4662]\$,&[14.142]\$,&[14.83]\$,&[0.1413]\$,&[14.043]\$,&[11.2]\$,&[10.001]  
\$,&[5.1453]\$,&[9.1251]\$  
&[9.7883]\$,&[2.8167]\$,&[11.037]\$,&[15.078]\$,&[1.9331]\$,&[17.951]\$,&[12.269]\$,&[16.5  
07]\$,&[5.6717]\$,&[7.3307]\$  
&[9.0941]\$,&[7.9907]\$,&[15.216]\$,&[18.649]\$,&[3.7816]\$,&[15.017]\$,&[11.569]\$,&[12.8  
8]\$,&[7.174]\$,&[7.9014]\$  
&[9.4082]\$,&[2.4778]\$,&[8.8693]\$,&[14.816]\$,&[-0.8118]\$,&[13.162]\$,&[9.1687]\$,&[16.  
738]\$,&[5.4276]\$,&[12.156]\$  
&[5.9261]\$,&[7.7458]\$,&[13.958]\$,&[16.498]\$,&[3.1294]\$,&[13.626]\$,&[11.217]\$,&[14.8  
05]\$,&[6.8731]\$,&[10.955]\$  
&[10.314]\$,&[1.5575]\$,&[8.5509]\$,&[14.291]\$,&[0.96198]\$,&[16.765]\$,&[14.352]\$,&[16.  
403]\$,&[6.3754]\$,&[7.9986]\$  
&[10.997]\$,&[1.9662]\$,&[12.508]\$,&[16.889]\$,&[3.3845]\$,&[13.07]\$,&[10.755]\$,&[12.72  
7]\$,&[4.2679]\$,&[13.03]\$  
&[11.652]\$,&[5.4816]\$,&[5.6576]\$,&[10.083]\$,&[3.5762]\$,&[14.97]\$,&[10.792]\$,&[14.05  
4]\$,&[4.5835]\$,&[6.7975]\$  
&[12.761]\$,&[1.5999]\$,&[4.8559]\$,&[14.546]\$,&[8.3375]\$,&[15.318]\$,&[10.058]\$,&[8.35  
54]\$,&[4.8761]\$,&[5.6704]\$  
&[12.756]\$,&[1.7033]\$,&[13.464]\$,&[14.146]\$,&[5.335]\$,&[14.787]\$,&[10.37]\$,&[7.9354  
]\$,&[6.4309]\$,&[12.04]\$

#### ME18B122

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.038155

&[8.6525]\$,&[9.3636]\$,&[9.2634]\$,&[10.714]\$,&[10.435]\$,&[8.4379]\$,&[9.3061]\$,&[9.18  
08]\$,&[10.2]\$,&[8.1147]\$  
&[12.587]\$,&[14.498]\$,&[12.295]\$,&[12.152]\$,&[13.176]\$,&[12.446]\$,&[10.82]\$,&[12.23  
3]\$,&[11.967]\$,&[12.816]\$  
&[6.3281]\$,&[5.1995]\$,&[7.27]\$,&[8.8427]\$,&[3.4778]\$,&[1.372]\$,&[7.5668]\$,&[-0.4623  
]\$,&[5.2747]\$,&[-1.6359]\$  
&[8.4911]\$,&[12.027]\$,&[9.3051]\$,&[10.671]\$,&[7.6759]\$,&[12.011]\$,&[13.04]\$,&[10.06

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5],&[10.966],&[10.811]  
&[10.095],&[10.808],&[11.994],&[11.555],&[13.934],&[14.629],&[15.036],&[13.4  
96],&[13.2],&[14.21]  
&[10.253],&[10.884],&[11.391],&[10.473],&[11.177],&[12.044],&[10.087],&[11.9  
46],&[10.888],&[14.217]  
&[14.361],&[16.459],&[13.717],&[12.723],&[16.373],&[15.478],&[15.867],&[14.3  
26],&[17.801],&[16.725]  
&[3.8391],&[8.9593],&[7.7876],&[11.961],&[9.4605],&[10.869],&[6.5949],&[6.25  
99],&[13.646],&[3.8419]  
&[8.3383],&[4.3645],&[0.13086],&[6.7622],&[-0.13867],&[-0.21327],&[8.1121],&  
[5.0731],&[1.7338],&[3.6616]  
&[6.3813],&[6.8684],&[8.2254],&[4.1663],&[6.2302],&[2.1092],&[5.5069],&[5.05  
89],&[5.9408],&[8.9682]

ME18B123

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.044909

&[10.548],&[5.4356],&[6.7121],&[10.376],&[9.3594],&[9.2459],&[11.843],&[6.83  
24],&[10.533],&[6.2404]  
&[9.6941],&[7.2743],&[8.8086],&[4.1393],&[5.2775],&[2.928],&[5.4403],&[4.277  
7],&[6.5377],&[4.0996]  
&[8.0266],&[9.001],&[8.6511],&[9.6368],&[9.4648],&[10.677],&[11.423],&[10.15  
6],&[9.4272],&[8.6223]  
&[8.7872],&[8.9101],&[8.7245],&[8.6715],&[9.3048],&[12.091],&[12.73],&[8.545  
7],&[14.703],&[10.996]  
&[2.0101],&[7.3976],&[6.2077],&[1.584],&[-2.3908],&[6.6927],&[1.6972],&[0.31  
46],&[7.7909],&[6.1443]  
&[8.8028],&[7.2927],&[3.1412],&[4.2677],&[4.2248],&[4.5301],&[3.0528],&[5.43  
07],&[5.3702],&[3.4033]  
&[13.626],&[14.531],&[14.576],&[15.544],&[15.501],&[17.798],&[15.932],&[9.23  
64],&[12.837],&[14.003]  
&[5.296],&[5.5027],&[7.1632],&[6.055],&[5.7146],&[7.1879],&[6.8869],&[5.5468  
],&[5.9908],&[3.2115]  
&[12.883],&[13.614],&[9.9721],&[14.578],&[7.6774],&[16.81],&[10.852],&[18.41  
5],&[17.353],&[13.589]  
&[4.6166],&[-1.3369],&[4.9127],&[3.4341],&[2.5668],&[-0.10326],&[2.1442],&[2  
.1902],&[3.6368],&[5.5024]

ME18B126

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.027775

&[15.123],&[14.118],&[12.214],&[12.379],&[13.248],&[14.94],&[11.96],&[15.913  
],&[18.903],&[14.907]  
&[-0.61634],&[4.7284],&[-1.2945],&[4.8399],&[1.5662],&[4.9992],&[3.9073],&[4  
.3899],&[0.61706],&[3.0783]  
&[10.936],&[12.099],&[7.4303],&[16.734],&[11.324],&[14.209],&[12.016],&[15.8

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39]\$,&[9.5582]\$,&[17.593]\$  
&[12.705]\$,&[13.061]\$,&[13.961]\$,&[13.455]\$,&[10.523]\$,&[9.2817]\$,&[8.9695]\$,&[13.052]\$,&[14.802]\$,&[10.502]\$  
&[7.244]\$,&[3.6228]\$,&[4.6794]\$,&[6.6771]\$,&[4.4319]\$,&[3.5937]\$,&[2.9119]\$,&[3.2193]\$,&[3.3673]\$,&[3.7237]\$  
&[8.9308]\$,&[9.5555]\$,&[9.7781]\$,&[12.61]\$,&[8.9779]\$,&[11.529]\$,&[12.819]\$,&[9.7671]\$,&[7.0767]\$,&[14.974]\$  
&[3.8103]\$,&[4.6683]\$,&[3.701]\$,&[3.9449]\$,&[3.0364]\$,&[2.8205]\$,&[3.2387]\$,&[2.7808]\$,&[3.5549]\$,&[2.7627]\$  
&[2.2219]\$,&[6.2553]\$,&[3.5227]\$,&[0.67371]\$,&[5.8466]\$,&[4.1627]\$,&[6.3815]\$,&[0.9004]\$,&[5.4032]\$,&[2.1004]\$  
&[14.473]\$,&[9.6003]\$,&[14.625]\$,&[15.946]\$,&[12.273]\$,&[15.953]\$,&[9.1714]\$,&[17.546]\$,&[12.568]\$,&[10.813]\$  
&[6.3484]\$,&[14.393]\$,&[8.262]\$,&[10.716]\$,&[12.692]\$,&[12.863]\$,&[11.542]\$,&[15.516]\$,&[11.023]\$,&[9.4775]\$

ME18B129

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.017272

&[7.8257]\$,&[8.5419]\$,&[15.302]\$,&[12.749]\$,&[12.179]\$,&[9.9538]\$,&[8.6871]\$,&[9.3778]\$,&[8.9491]\$,&[9.7651]\$  
&[6.8624]\$,&[12.564]\$,&[5.191]\$,&[11.934]\$,&[8.7373]\$,&[7.9551]\$,&[4.3114]\$,&[12.905]\$,&[12.845]\$,&[10.817]\$  
&[3.6306]\$,&[1.1767]\$,&[2.933]\$,&[5.4928]\$,&[0.67871]\$,&[2.3292]\$,&[3.0782]\$,&[3.1649]\$,&[1.8249]\$,&[4.8769]\$  
&[9.7126]\$,&[8.2909]\$,&[7.9146]\$,&[8.8309]\$,&[12.952]\$,&[11.16]\$,&[14.294]\$,&[11.814]\$,&[10.429]\$,&[9.7106]\$  
&[12.896]\$,&[8.9192]\$,&[8.0001]\$,&[6.0437]\$,&[8.2175]\$,&[6.5261]\$,&[4.4849]\$,&[4.3207]\$,&[7.8163]\$,&[8.2728]\$  
&[7.6847]\$,&[5.4656]\$,&[4.469]\$,&[4.6399]\$,&[7.1338]\$,&[8.3998]\$,&[11.539]\$,&[10.845]\$,&[4.1994]\$,&[1.6426]\$  
&[-1.7955]\$,&[6.5747]\$,&[7.4848]\$,&[4.3394]\$,&[2.9813]\$,&[-0.63792]\$,&[6.2074]\$,&[3.7264]\$,&[6.3599]\$,&[3.7831]\$  
&[17.139]\$,&[14.267]\$,&[16.962]\$,&[10.635]\$,&[13.363]\$,&[12.85]\$,&[11.769]\$,&[11.871]\$,&[13.173]\$,&[11.384]\$  
&[11.418]\$,&[12.938]\$,&[10.705]\$,&[12.597]\$,&[10.54]\$,&[12.554]\$,&[11.373]\$,&[11.736]\$,&[12.984]\$,&[12.339]\$  
&[6.6201]\$,&[5.0993]\$,&[3.4599]\$,&[6.3523]\$,&[4.5126]\$,&[1.1142]\$,&[6.8869]\$,&[3.8093]\$,&[0.8721]\$,&[-2.3266]\$

ME18B134

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0077828

&[12.765]\$,&[11.432]\$,&[9.6461]\$,&[13.983]\$,&[11.717]\$,&[14.69]\$,&[11.952]\$,&[11.192]\$,&[10.216]\$,&[10.756]\$  
&[13.185]\$,&[14.913]\$,&[15.299]\$,&[16.28]\$,&[11.607]\$,&[11.652]\$,&[15.818]\$,&[13.53

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6],&[13.496],&[14.055]  
&[11.89],&[12.862],&[12.584],&[16.071],&[10.797],&[9.5775],&[13.443],&[15.60  
9],&[14.128],&[12.996]  
&[6.416],&[4.7773],&[9.9894],&[10.857],&[8.516],&[10.832],&[9.4115],&[10.895  
],&[12.152],&[7.023]  
&[5.0659],&[3.9756],&[4.0943],&[4.4507],&[3.9496],&[4.2447],&[3.4761],&[3.79  
04],&[4.4958],&[4.3856]  
&[3.4119],&[10.117],&[8.328],&[4.0796],&[12.905],&[5.8879],&[9.6167],&[10.79  
8],&[8.0167],&[5.8888]  
&[9.894],&[9.1178],&[12.31],&[11.071],&[14.788],&[13.558],&[15.095],&[14.75  
],&[13.373],&[13.783]  
&[10.7],&[8.2433],&[10.196],&[8.2793],&[9.7576],&[8.5398],&[8.3885],&[7.3602  
],&[9.3178],&[10.195]  
&[9.4309],&[9.0225],&[9.6123],&[8.4206],&[12.968],&[9.5077],&[7.8128],&[8.32  
58],&[7.3639],&[8.3534]  
&[3.6283],&[2.211],&[2.9872],&[1.7979],&[0.79945],&[2.2413],&[-2.2217],&[2.8  
367],&[2.9815],&[-0.65661]

ME18B136

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0432

&[7.8772],&[9.7089],&[9.3188],&[3.8053],&[6.3603],&[9.0249],&[4.3994],&[9.85  
41],&[8.7128],&[10.501]  
&[12.096],&[7.9235],&[4.3194],&[6.5865],&[-0.6128],&[4.9191],&[9.1553],&[3.7  
933],&[2.3974],&[1.5865]  
&[9.1816],&[6.5938],&[4.7813],&[9.1409],&[8.403],&[5.857],&[8.3812],&[7.1409  
],&[6.1406],&[7.9977]  
&[11.928],&[13.068],&[10.803],&[15.118],&[10.682],&[10.254],&[11.71],&[12.09  
9],&[9.5468],&[11.632]  
&[3.9251],&[2.7499],&[2.3273],&[1.8539],&[6.3596],&[2.9523],&[6.1911],&[4.27  
69],&[3.6627],&[2.2215]  
&[9.2415],&[9.8862],&[8.6461],&[8.1884],&[9.133],&[5.9313],&[9.8673],&[3.494  
],&[11.635],&[5.9926]  
&[10.215],&[14.906],&[13.35],&[14.428],&[11.497],&[12.146],&[11.645],&[14.67  
6],&[6.841],&[14.541]  
&[8.6647],&[4.2314],&[1.5303],&[9.7604],&[7.141],&[8.4518],&[3.7909],&[11.94  
1],&[5.101],&[8.4422]  
&[0.74363],&[3.9079],&[1.9473],&[3.378],&[6.1496],&[2.8928],&[0.60512],&[3.2  
869],&[0.62321],&[2.3375]  
&[6.9153],&[3.7882],&[3.3978],&[5.644],&[3.437],&[5.0388],&[6.3194],&[6.3401  
],&[5.333],&[5.8299]

ME18B137

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.01291

&[-0.88599],&[11.194],&[13.026],&[8.4559],&[8.3192],&[2.2111],&[4.9138],&[4.

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2378]\$,&[7.6815]\$,&[6.051]\$  
&[3.134]\$,&[3.1606]\$,&[3.0432]\$,&[2.3473]\$,&[4.7969]\$,&[3.8254]\$,&[3.3592]\$,&[3.472  
4]\$,&[3.2176]\$,&[2.6519]\$  
&[17.475]\$,&[12.716]\$,&[11.924]\$,&[16.322]\$,&[15.196]\$,&[14.365]\$,&[13.596]\$,&[17.0  
17]\$,&[15.956]\$,&[17.382]\$  
&[11.497]\$,&[14.168]\$,&[12.524]\$,&[8.2432]\$,&[13.275]\$,&[16.374]\$,&[16.203]\$,&[12.4  
85]\$,&[13.239]\$,&[10.131]\$  
&[10.264]\$,&[11.236]\$,&[11.422]\$,&[11.116]\$,&[11.01]\$,&[11.097]\$,&[11.561]\$,&[11.46  
5]\$,&[9.8833]\$,&[10.94]\$  
&[12.445]\$,&[13.291]\$,&[10.931]\$,&[11.211]\$,&[13.15]\$,&[10.996]\$,&[7.3284]\$,&[10.84  
1]\$,&[12.5]\$,&[12.414]\$  
&[12.471]\$,&[14.489]\$,&[13.659]\$,&[13.566]\$,&[13.26]\$,&[14.092]\$,&[14.578]\$,&[11.49  
8]\$,&[16.236]\$,&[11.294]\$  
&[0.66824]\$,&[6.8302]\$,&[5.7756]\$,&[1.0336]\$,&[2.2043]\$,&[2.6713]\$,&[3.2699]\$,&[3.1  
555]\$,&[8.9328]\$,&[4.0556]\$  
&[12.472]\$,&[7.698]\$,&[10.34]\$,&[9.4681]\$,&[11.037]\$,&[7.85]\$,&[10.252]\$,&[9.9709]\$  
,&[10.152]\$,&[10.795]\$  
&[12.155]\$,&[10.424]\$,&[11.344]\$,&[10.904]\$,&[12.221]\$,&[11.067]\$,&[11.194]\$,&[11.3  
46]\$,&[11.578]\$,&[10.759]\$

ME18B139

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.03026

&[16.818]\$,&[-1.9108]\$,&[8.3631]\$,&[7.5519]\$,&[7.2606]\$,&[12.621]\$,&[4.3225]\$,&[5.6  
897]\$,&[10.697]\$,&[14.2]\$  
&[15.456]\$,&[2.0935]\$,&[6.5561]\$,&[8.3788]\$,&[3.6616]\$,&[14.229]\$,&[6.6015]\$,&[2.80  
67]\$,&[18.461]\$,&[11.235]\$  
&[14.136]\$,&[0.85608]\$,&[6.3777]\$,&[10.048]\$,&[1.8489]\$,&[9.7214]\$,&[6.9181]\$,&[4.0  
919]\$,&[14.272]\$,&[7.3202]\$  
&[13.424]\$,&[1.0785]\$,&[6.1229]\$,&[9.0815]\$,&[-0.51796]\$,&[11.519]\$,&[7.7523]\$,&[-0  
.68188]\$,&[10.614]\$,&[12.005]\$  
&[13.039]\$,&[4.2701]\$,&[7.0548]\$,&[8.2242]\$,&[5.2454]\$,&[9.5376]\$,&[5.2961]\$,&[4.38  
82]\$,&[9.5962]\$,&[11.75]\$  
&[15.104]\$,&[3.5972]\$,&[8.7043]\$,&[7.6477]\$,&[5.3288]\$,&[11.684]\$,&[7.4555]\$,&[0.42  
651]\$,&[13.541]\$,&[14.668]\$  
&[12.352]\$,&[1.1291]\$,&[4.4563]\$,&[8.9647]\$,&[1.2658]\$,&[12.687]\$,&[8.4371]\$,&[3.45  
28]\$,&[8.9801]\$,&[11.794]\$  
&[15.666]\$,&[-0.16714]\$,&[5.4837]\$,&[6.4377]\$,&[4.73]\$,&[7.7451]\$,&[6.7577]\$,&[-0.2  
0684]\$,&[12.282]\$,&[10.563]\$  
&[10.995]\$,&[5.6582]\$,&[7.1976]\$,&[5.7347]\$,&[5.0044]\$,&[8.0828]\$,&[6.7806]\$,&[4.58  
64]\$,&[18.721]\$,&[11.073]\$  
&[13.56]\$,&[2.7076]\$,&[5.3577]\$,&[6.4899]\$,&[2.3873]\$,&[5.8838]\$,&[5.3521]\$,&[5.467  
1]\$,&[9.8774]\$,&[10.973]\$

ME18B140

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

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alpha = 0.010396  
&[9.8625]\$,&[7.5878]\$,&[13.952]\$,&[12.057]\$,&[1.4437]\$,&[1.1607]\$,&[18.259]\$,&[5.3633]\$,&[6.5337]\$,&[6.2224]\$  
&[7.5317]\$,&[12.093]\$,&[10.621]\$,&[12.756]\$,&[1.2568]\$,&[1.4012]\$,&[14.719]\$,&[10.809]\$,&[6.2666]\$,&[10.201]\$  
&[13.097]\$,&[10.518]\$,&[17.425]\$,&[12.699]\$,&[6.4788]\$,&[3.6994]\$,&[13.781]\$,&[6.0776]\$,&[4.7782]\$,&[11.13]\$  
&[10.948]\$,&[6.8486]\$,&[12.287]\$,&[13.693]\$,&[2.8441]\$,&[2.7209]\$,&[9.7323]\$,&[12.046]\$,&[10.612]\$,&[12.232]\$  
&[12.022]\$,&[7.909]\$,&[11.083]\$,&[13.01]\$,&[5.5114]\$,&[1.5318]\$,&[13.502]\$,&[11.53]\$,&[11.513]\$,&[10.979]\$  
&[12.855]\$,&[8.5566]\$,&[12.639]\$,&[13.561]\$,&[4.0378]\$,&[4.0623]\$,&[15.161]\$,&[6.4799]\$,&[7.7755]\$,&[10.516]\$  
&[4.5985]\$,&[5.2951]\$,&[18.513]\$,&[12.745]\$,&[5.0452]\$,&[3.5104]\$,&[8.8965]\$,&[9.2295]\$,&[3.785]\$,&[7.5965]\$  
&[9.4513]\$,&[7.4862]\$,&[19.618]\$,&[12.879]\$,&[3.359]\$,&[1.6885]\$,&[22.453]\$,&[8.1588]\$,&[5.1137]\$,&[11.944]\$  
&[7.7272]\$,&[6.9323]\$,&[18.414]\$,&[13.339]\$,&[7.4725]\$,&[5.5836]\$,&[12.66]\$,&[8.3472]\$,&[7.4936]\$,&[12.001]\$  
&[12.925]\$,&[9.0109]\$,&[8.6503]\$,&[13.294]\$,&[3.3478]\$,&[2.808]\$,&[15.258]\$,&[4.2711]\$,&[9.7508]\$,&[8.2937]\$

ME18B143

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0038514  
&[9.2402]\$,&[11.582]\$,&[5.5726]\$,&[11.399]\$,&[3.8435]\$,&[8.0776]\$,&[0.75828]\$,&[16.415]\$,&[5.4196]\$,&[11.158]\$  
&[8.656]\$,&[8.221]\$,&[4.3082]\$,&[10.672]\$,&[5.2153]\$,&[9.4184]\$,&[2.9275]\$,&[13.859]\$,&[-2.4619]\$,&[12.278]\$  
&[10.098]\$,&[6.2095]\$,&[3.8536]\$,&[9.655]\$,&[4.9778]\$,&[7.8478]\$,&[8.0157]\$,&[20.899]\$,&[-1.1665]\$,&[12.951]\$  
&[9.0809]\$,&[3.5568]\$,&[6.0707]\$,&[11.379]\$,&[2.598]\$,&[4.4584]\$,&[5.1807]\$,&[16.8]\$,&[-1.8682]\$,&[12.003]\$  
&[8.7573]\$,&[12.279]\$,&[4.3725]\$,&[11.733]\$,&[-0.2437]\$,&[6.5877]\$,&[1.7502]\$,&[15.889]\$,&[1.4177]\$,&[6.9782]\$  
&[8.8763]\$,&[6.2425]\$,&[3.9845]\$,&[11.374]\$,&[0.96553]\$,&[9.7372]\$,&[-0.28339]\$,&[10.06]\$,&[-0.096905]\$,&[11.243]\$  
&[8.8329]\$,&[8.391]\$,&[5.2494]\$,&[10.358]\$,&[3.2285]\$,&[3.2829]\$,&[-0.18514]\$,&[18.363]\$,&[1.9654]\$,&[12.891]\$  
&[8.0295]\$,&[8.2439]\$,&[3.9235]\$,&[11.15]\$,&[6.1834]\$,&[7.3324]\$,&[5.9014]\$,&[13.698]\$,&[1.6151]\$,&[13.016]\$  
&[8.6956]\$,&[6.4745]\$,&[4.9882]\$,&[9.524]\$,&[6.6317]\$,&[7.8156]\$,&[1.9052]\$,&[7.6528]\$,&[5.5177]\$,&[8.7663]\$  
&[8.211]\$,&[7.4872]\$,&[5.4248]\$,&[10.304]\$,&[5.8474]\$,&[10.578]\$,&[8.2223]\$,&[23.594]\$,&[4.9553]\$,&[11.579]\$

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ME18B151

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.03346

&[2.7167]\$,&[13.196]\$,&[6.9995]\$,&[11.374]\$,&[0.29348]\$,&[7.3412]\$,&[4.705]\$,&[0.37  
231]\$,&[14.659]\$,&[4.9383]\$  
&[3.4034]\$,&[14.279]\$,&[7.7069]\$,&[11.172]\$,&[4.4127]\$,&[7.5614]\$,&[5.5085]\$,&[1.73  
16]\$,&[12.124]\$,&[7.6734]\$  
&[0.23796]\$,&[12.167]\$,&[6.1589]\$,&[13.717]\$,&[5.9039]\$,&[4.1953]\$,&[5.2152]\$,&[7.1  
463]\$,&[10.552]\$,&[7.9026]\$  
&[1.8534]\$,&[12.189]\$,&[6.8971]\$,&[10.349]\$,&[-0.69651]\$,&[8.4664]\$,&[3.8516]\$,&[3.  
2704]\$,&[12.849]\$,&[8.3557]\$  
&[3.4552]\$,&[12.523]\$,&[6.7131]\$,&[12.122]\$,&[5.2578]\$,&[5.0877]\$,&[4.4511]\$,&[-1.4  
464]\$,&[10.461]\$,&[5.2102]\$  
&[0.9657]\$,&[14.103]\$,&[8.5724]\$,&[12.415]\$,&[3.5704]\$,&[7.0603]\$,&[2.9106]\$,&[-1.0  
412]\$,&[13.396]\$,&[8.0817]\$  
&[4.2872]\$,&[13.244]\$,&[6.8535]\$,&[10.415]\$,&[5.5324]\$,&[6.6251]\$,&[6.0445]\$,&[-0.3  
7655]\$,&[14.085]\$,&[5.1953]\$  
&[1.6082]\$,&[14.591]\$,&[5.7721]\$,&[11.992]\$,&[6.3344]\$,&[-0.17061]\$,&[3.5566]\$,&[3.  
748]\$,&[17.622]\$,&[8.1176]\$  
&[3.9633]\$,&[13.432]\$,&[7.9585]\$,&[13.028]\$,&[3.7164]\$,&[3.0606]\$,&[3.1346]\$,&[1.28  
43]\$,&[15.019]\$,&[8.6786]\$  
&[3.4986]\$,&[14.601]\$,&[7.5145]\$,&[12.191]\$,&[4.213]\$,&[7.8148]\$,&[5.3627]\$,&[3.942  
9]\$,&[9.1365]\$,&[5.9938]\$

ME18B153

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.044831

&[3.4185]\$,&[11.126]\$,&[1.4085]\$,&[12.978]\$,&[9.5071]\$,&[8.7833]\$,&[5.9394]\$,&[6.40  
98]\$,&[8.9657]\$,&[7.4503]\$  
&[6.8564]\$,&[10.33]\$,&[3.2399]\$,&[13.161]\$,&[2.4804]\$,&[13.528]\$,&[5.849]\$,&[10.714  
]\$,&[14.995]\$,&[7.6831]\$  
&[8.3911]\$,&[7.8298]\$,&[2.7376]\$,&[13.513]\$,&[6.4511]\$,&[8.9686]\$,&[6.2945]\$,&[7.00  
26]\$,&[10.82]\$,&[9.9659]\$  
&[8.015]\$,&[10.046]\$,&[1.2138]\$,&[12.316]\$,&[7.3836]\$,&[9.401]\$,&[4.4847]\$,&[8.6436  
]\$,&[7.0861]\$,&[7.6629]\$  
&[11.63]\$,&[9.1737]\$,&[2.7524]\$,&[13.489]\$,&[6.8565]\$,&[7.7572]\$,&[8.8672]\$,&[5.204  
6]\$,&[7.5262]\$,&[11.898]\$  
&[6.1883]\$,&[10.694]\$,&[5.0078]\$,&[13.673]\$,&[7.8564]\$,&[9.8869]\$,&[5.9352]\$,&[9.77  
65]\$,&[14.927]\$,&[13.894]\$  
&[6.9229]\$,&[5.1987]\$,&[2.3516]\$,&[13.535]\$,&[7.4741]\$,&[14.258]\$,&[6.9858]\$,&[9.96  
76]\$,&[4.8541]\$,&[5.9499]\$  
&[5.7192]\$,&[4.4937]\$,&[0.72519]\$,&[15.648]\$,&[7.4058]\$,&[17.865]\$,&[7.0015]\$,&[6.4  
102]\$,&[14.263]\$,&[7.2563]\$  
&[6.0091]\$,&[7.6647]\$,&[0.49749]\$,&[12.597]\$,&[4.8621]\$,&[14.684]\$,&[6.9356]\$,&[14.  
943]\$,&[3.7315]\$,&[6.7725]\$  
&[5.0665]\$,&[4.7571]\$,&[0.017349]\$,&[15.639]\$,&[5.0916]\$,&[11.726]\$,&[7.6715]\$,&[6.  
8405]\$,&[10.452]\$,&[4.4604]\$

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ME18B154

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.040971  
&[9.8232]\$,&[8.1726]\$,&[6.8692]\$,&[6.9725]\$,&[8.356]\$,&[8.6157]\$,&[10.156]\$,&[7.5154]\$,&[4.228]\$,&[6.6251]\$  
&[6.0021]\$,&[12.422]\$,&[5.7138]\$,&[2.624]\$,&[6.6552]\$,&[1.8367]\$,&[8.2905]\$,&[5.858]\$,&[5.7287]\$,&[3.357]\$  
&[6.8985]\$,&[14.098]\$,&[11.985]\$,&[9.8525]\$,&[6.3323]\$,&[6.1704]\$,&[9.1693]\$,&[13.367]\$,&[7.7031]\$,&[11.657]\$  
&[5.6158]\$,&[14.099]\$,&[8.4995]\$,&[8.0709]\$,&[7.3601]\$,&[11.548]\$,&[7.8522]\$,&[15.826]\$,&[12.531]\$,&[6.8214]\$  
&[15.145]\$,&[13.29]\$,&[12.865]\$,&[15.226]\$,&[14.378]\$,&[13.15]\$,&[17.358]\$,&[14.592]\$,&[11.32]\$,&[12.355]\$  
&[8.3908]\$,&[5.9506]\$,&[7.9422]\$,&[10.429]\$,&[9.5356]\$,&[10.076]\$,&[12.135]\$,&[12.633]\$,&[4.4261]\$,&[12.89]\$  
&[8.4363]\$,&[6.6414]\$,&[10.113]\$,&[5.157]\$,&[6.1467]\$,&[8.4111]\$,&[11.707]\$,&[13.419]\$,&[9.9619]\$,&[5.6758]\$  
&[5.9478]\$,&[7.4449]\$,&[5.7604]\$,&[8.4593]\$,&[10.378]\$,&[8.6126]\$,&[9.5014]\$,&[6.6046]\$,&[5.6974]\$,&[5.7618]\$  
&[5.6158]\$,&[4.6789]\$,&[5.8447]\$,&[5.513]\$,&[5.267]\$,&[4.5455]\$,&[4.4464]\$,&[6.0402]\$,&[7.3459]\$,&[5.458]\$  
&[16.197]\$,&[10.725]\$,&[8.3005]\$,&[8.9954]\$,&[2.2387]\$,&[14.539]\$,&[11.764]\$,&[14.222]\$,&[8.2634]\$,&[15.566]\$

ME18B158

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.041305  
&[11.196]\$,&[11.01]\$,&[10.23]\$,&[11.236]\$,&[10.776]\$,&[9.7813]\$,&[9.9578]\$,&[9.407]\$,&[11.388]\$,&[8.9904]\$  
&[16.32]\$,&[14.425]\$,&[15.685]\$,&[16.126]\$,&[13.833]\$,&[14.84]\$,&[16.618]\$,&[15.466]\$,&[16.193]\$,&[14.932]\$  
&[13.791]\$,&[15.118]\$,&[13.427]\$,&[15.661]\$,&[13.421]\$,&[14.421]\$,&[14.996]\$,&[14.444]\$,&[13.855]\$,&[14.809]\$  
&[5.3915]\$,&[8.7964]\$,&[7.6729]\$,&[4.625]\$,&[10.425]\$,&[7.3269]\$,&[1.4502]\$,&[8.1991]\$,&[4.4934]\$,&[6.5279]\$  
&[3.6198]\$,&[0.34616]\$,&[3.6502]\$,&[1.1455]\$,&[7.1814]\$,&[3.2255]\$,&[-0.43925]\$,&[-1.0118]\$,&[-0.96475]\$,&[3.6456]\$  
&[11.842]\$,&[10.513]\$,&[14.682]\$,&[13.803]\$,&[5.2578]\$,&[9.9837]\$,&[4.9378]\$,&[11.324]\$,&[12.974]\$,&[12.306]\$  
&[-0.45443]\$,&[1.0009]\$,&[8.6313]\$,&[6.0502]\$,&[6.7876]\$,&[3.2993]\$,&[1.6198]\$,&[-2.7983]\$,&[8.3791]\$,&[2.5481]\$  
&[11.543]\$,&[9.1181]\$,&[7.1183]\$,&[12.635]\$,&[9.4367]\$,&[10.149]\$,&[-0.99245]\$,&[5.7511]\$,&[8.9229]\$,&[6.838]\$  
&[8.5069]\$,&[11.353]\$,&[12.047]\$,&[12.576]\$,&[9.0093]\$,&[10.439]\$,&[11.461]\$,&[16.236]\$,&[12.72]\$,&[12.49]\$

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|[6.2814]\$,|[2.8015]\$,|[8.2462]\$,|[13.987]\$,|[7.4509]\$,|[9.3155]\$,|[13.117]\$,|[6.3679]\$,|[10.578]\$,|[6.0564]\$

ME18B159

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.0059634  
|[2.7854]\$,|[2.2443]\$,|[4.2083]\$,|[0.62682]\$,|[1.0573]\$,|[2.5287]\$,|[5.7407]\$,|[7.9237]\$,|[2.0782]\$,|[1.2871]\$  
|[2.3109]\$,|[0.38641]\$,|[ -0.12723]\$,|[1.4377]\$,|[1.6881]\$,|[5.7776]\$,|[0.46518]\$,|[5.9288]\$,|[3.0496]\$,|[2.8335]\$  
|[14.688]\$,|[17.958]\$,|[14.638]\$,|[20.035]\$,|[13.702]\$,|[13.267]\$,|[17.261]\$,|[20.297]\$,|[23.233]\$,|[11.11]\$  
|[5.0586]\$,|[13.619]\$,|[7.766]\$,|[4.6572]\$,|[4.2891]\$,|[9.207]\$,|[-0.89821]\$,|[8.4343]\$,|[3.888]\$,|[11.077]\$  
|[13.173]\$,|[11.688]\$,|[9.2135]\$,|[10.879]\$,|[15.351]\$,|[9.2608]\$,|[7.7206]\$,|[12.717]\$,|[10.671]\$,|[12.39]\$  
|[6.8777]\$,|[7.3171]\$,|[6.0272]\$,|[4.9007]\$,|[5.6688]\$,|[5.8643]\$,|[8.8751]\$,|[9.1404]\$,|[5.8928]\$,|[8.2272]\$  
|[10.916]\$,|[10.984]\$,|[12.732]\$,|[9.595]\$,|[10.518]\$,|[9.6249]\$,|[9.2137]\$,|[11.772]\$,|[9.8888]\$,|[9.1586]\$  
|[4.9017]\$,|[0.79243]\$,|[3.1446]\$,|[2.4456]\$,|[-0.90432]\$,|[2.6105]\$,|[4.0629]\$,|[1.4169]\$,|[-0.0055897]\$,|[4.9865]\$  
|[15.628]\$,|[15.097]\$,|[13.285]\$,|[16.411]\$,|[12.6]\$,|[13.35]\$,|[13.562]\$,|[11.691]\$  
|[5.3757]\$,|[7.4867]\$,|[7.4497]\$,|[4.8797]\$,|[8.5465]\$,|[2.1588]\$,|[1.2008]\$,|[4.3568]\$,|[4.5984]\$,|[3.4948]\$

ME18B160

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10  
alpha = 0.04414  
|[16.681]\$,|[8.8581]\$,|[16.475]\$,|[13.717]\$,|[13.519]\$,|[12.308]\$,|[12.887]\$,|[6.6412]\$,|[9.5799]\$,|[11.292]\$  
|[12.308]\$,|[8.9204]\$,|[18.623]\$,|[11.843]\$,|[9.6335]\$,|[11.658]\$,|[14.648]\$,|[8.4901]\$,|[12.443]\$,|[13.128]\$  
|[9.8238]\$,|[9.9491]\$,|[11.49]\$,|[11.608]\$,|[10.98]\$,|[11.325]\$,|[11.906]\$,|[7.125]\$  
|[10.775]\$,|[12.326]\$  
|[12.117]\$,|[8.8275]\$,|[15.427]\$,|[11.626]\$,|[12.115]\$,|[11.137]\$,|[13.117]\$,|[8.0529]\$,|[10.51]\$,|[11.697]\$  
|[12.647]\$,|[9.3994]\$,|[10.589]\$,|[15.591]\$,|[7.937]\$,|[10.324]\$,|[14.549]\$,|[6.0607]\$,|[5.3021]\$,|[9.5959]\$  
|[10.05]\$,|[9.333]\$,|[15.703]\$,|[12.448]\$,|[10.713]\$,|[12.362]\$,|[15.223]\$,|[5.0002]\$  
|[12.898]\$,|[12.775]\$  
|[14.972]\$,|[8.6939]\$,|[14.559]\$,|[9.9384]\$,|[12.48]\$,|[8.9527]\$,|[14.746]\$,|[9.9937]\$,|[9.0176]\$,|[9.8251]\$  
|[14.379]\$,|[8.078]\$,|[15.568]\$,|[12.052]\$,|[10.266]\$,|[10.459]\$,|[14.223]\$,|[8.3798]\$,|[11.024]\$,|[11.176]\$

BT2022\_qiii\_22\_alldata  
|[9.5408]\$,|[6.7567]\$,|[12.681]\$,|[13.252]\$,|[11.235]\$,|[10.779]\$,|[12.613]\$,|[10.55]\$,|[12.152]\$,|[10.154]\$\n|[16.754]\$,|[8.2996]\$,|[15.493]\$,|[15.769]\$,|[7.2182]\$,|[10.556]\$,|[13.735]\$,|[9.4268]\$,|[9.6689]\$,|[11.685]\$

ME18B165

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.014556  
|[9.091]\$,|[5.7245]\$,|[8.8092]\$,|[8.9706]\$,|[6.9734]\$,|[10.85]\$,|[9.4221]\$,|[5.6599]\$,|[9.3473]\$,|[4.8144]\$\n|[8.0605]\$,|[8.5855]\$,|[8.649]\$,|[7.4976]\$,|[8.3237]\$,|[8.6371]\$,|[7.7867]\$,|[8.7786]\$,|[9.187]\$,|[9.0436]\$\n|[3.2968]\$,|[2.9448]\$,|[-1.7601]\$,|[1.3643]\$,|[0.066187]\$,|[2.818]\$,|[3.2701]\$,|[4.1482]\$,|[6.3922]\$,|[6.4071]\$\n|[13.263]\$,|[12.836]\$,|[12.646]\$,|[13.167]\$,|[12.729]\$,|[13.247]\$,|[12.864]\$,|[13.251]\$,|[13.279]\$,|[13.052]\$\n|[9.9904]\$,|[11.323]\$,|[15.899]\$,|[11.533]\$,|[12.944]\$,|[14.586]\$,|[11.414]\$,|[13.097]\$,|[11.266]\$,|[11.597]\$\n|[17.128]\$,|[9.9295]\$,|[13.88]\$,|[12.631]\$,|[10.09]\$,|[12.639]\$,|[16.675]\$,|[11.668]\$,|[10.307]\$,|[12.328]\$\n|[7.4876]\$,|[7.4042]\$,|[11.226]\$,|[10.058]\$,|[4.1835]\$,|[3.1562]\$,|[15.091]\$,|[6.529]\$,|[11.633]\$,|[11.73]\$\n|[7.4316]\$,|[5.802]\$,|[6.7]\$,|[6.5867]\$,|[5.7281]\$,|[6.0952]\$,|[5.2596]\$,|[3.8392]\$,|[5.5088]\$,|[7.4233]\$\n|[9.4445]\$,|[6.0121]\$,|[6.3289]\$,|[7.8191]\$,|[5.5178]\$,|[9.8775]\$,|[9.0333]\$,|[5.5512]\$,|[8.6287]\$,|[5.667]\$\n|[7.4496]\$,|[1.3768]\$,|[4.5553]\$,|[5.2494]\$,|[-1.3718]\$,|[2.879]\$,|[6.5338]\$,|[7.3601]\$,|[5.7702]\$,|[8.9339]\$

ME18B167

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.037152  
|[1.6162]\$,|[7.0516]\$,|[2.0065]\$,|[5.07]\$,|[1.2822]\$,|[5.5238]\$,|[2.8933]\$,|[7.9961]\$,|[-1.5506]\$,|[0.09744]\$\n|[5.2057]\$,|[5.7585]\$,|[1.2771]\$,|[8.3875]\$,|[1.7305]\$,|[7.4279]\$,|[2.9812]\$,|[1.9011]\$,|[3.8514]\$,|[3.743]\$\n|[9.0955]\$,|[7.4182]\$,|[10.547]\$,|[10.966]\$,|[8.6686]\$,|[8.4191]\$,|[7.7673]\$,|[7.9686]\$,|[9.9929]\$,|[9.1201]\$\n|[6.1052]\$,|[8.115]\$,|[8.377]\$,|[2.8543]\$,|[6.336]\$,|[2.6156]\$,|[7.4458]\$,|[5.768]\$,|[9.9886]\$,|[9.0864]\$\n|[2.8414]\$,|[3.3404]\$,|[2.4679]\$,|[0.60036]\$,|[6.3885]\$,|[1.957]\$,|[10.488]\$,|[2.6111]\$,|[1.681]\$,|[6.2517]\$\n|[16.19]\$,|[9.971]\$,|[8.4679]\$,|[11.968]\$,|[12.713]\$,|[13.933]\$,|[15.069]\$,|[15.199]\$,|[13.007]\$,|[9.553]\$\n|[16.239]\$,|[14.532]\$,|[19.867]\$,|[10.497]\$,|[13.171]\$,|[10.57]\$,|[11.419]\$,|[11.589]\$,|[12.332]\$,|[12.425]\$

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&[8.31]\$,&[12.793]\$,&[8.5961]\$,&[8.5757]\$,&[11.673]\$,&[12.257]\$,&[9.6936]\$,&[7.3564]  
],&[13.9]\$,&[12.791]\$  
&[15.09]\$,&[11.295]\$,&[7.9263]\$,&[19.2]\$,&[17.308]\$,&[12.728]\$,&[16.388]\$,&[18.338]  
\$,&[16.781]\$,&[16.7]\$  
&[11.208]\$,&[15.846]\$,&[10.059]\$,&[9.5398]\$,&[13.627]\$,&[8.3875]\$,&[10.5]\$,&[13.412]  
],&[10.574]\$,&[13.402]\$

#### ME18B174

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.044215  
&[6.872]\$,&[6.1663]\$,&[7.0963]\$,&[6.1541]\$,&[5.9425]\$,&[6.328]\$,&[5.68]\$,&[6.3542]\$  
,&[6.2804]\$,&[6.4875]\$  
&[6.9047]\$,&[4.9864]\$,&[4.4236]\$,&[7.743]\$,&[3.552]\$,&[6.5104]\$,&[3.8987]\$,&[2.7807]  
],&[4.995]\$,&[8.6089]\$  
&[14.055]\$,&[15.068]\$,&[7.4467]\$,&[11.634]\$,&[13.683]\$,&[15.087]\$,&[10.654]\$,&[9.89  
45]\$,&[14.619]\$,&[13.122]\$  
&[3.9689]\$,&[5.2017]\$,&[4.7275]\$,&[7.9368]\$,&[5.0708]\$,&[1.9122]\$,&[2.6108]\$,&[7.79  
58]\$,&[5.5442]\$,&[4.2891]\$  
&[2.1039]\$,&[1.9701]\$,&[3.3896]\$,&[9.7459]\$,&[8.6215]\$,&[1.9441]\$,&[3.9593]\$,&[6.36  
15]\$,&[8.9528]\$,&[6.8386]\$  
&[8.6151]\$,&[12.635]\$,&[17.036]\$,&[8.1299]\$,&[11.525]\$,&[12.444]\$,&[15.894]\$,&[11.3  
6]\$,&[14.583]\$,&[11.166]\$  
&[2.7241]\$,&[3.1889]\$,&[3.1451]\$,&[3.4842]\$,&[3.4197]\$,&[5.4421]\$,&[1.9432]\$,&[3.35  
41]\$,&[5.6757]\$,&[4.0039]\$  
&[0.9798]\$,&[0.6374]\$,&[0.1991]\$,&[5.1463]\$,&[2.6095]\$,&[5.6805]\$,&[5.3303]\$,&[1.19  
1]\$,&[3.9088]\$,&[-2.6897]\$  
&[10.837]\$,&[12.398]\$,&[12.216]\$,&[13.178]\$,&[10.85]\$,&[9.8669]\$,&[13.189]\$,&[11.37  
]\$,&[10.625]\$,&[10.966]\$  
&[13.34]\$,&[14.175]\$,&[13.895]\$,&[11.117]\$,&[14.42]\$,&[9.3601]\$,&[12.154]\$,&[16.007]  
],&[18.094]\$,&[14.333]\$

#### MM16B102

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.040279  
&[14.014]\$,&[2.9862]\$,&[15.459]\$,&[-2.4843]\$,&[6.2842]\$,&[3.3354]\$,&[10.49]\$,&[8.83]  
],&[7.628]\$,&[12.664]\$  
&[13.113]\$,&[0.96116]\$,&[11.768]\$,&[4.9544]\$,&[5.363]\$,&[4.4149]\$,&[11.205]\$,&[12.8  
77]\$,&[6.7484]\$,&[9.5493]\$  
&[9.921]\$,&[4.6021]\$,&[13.653]\$,&[4.3237]\$,&[5.1614]\$,&[7.432]\$,&[11.228]\$,&[8.4658]  
],&[8.446]\$,&[12.129]\$  
&[5.9566]\$,&[3.8014]\$,&[16.725]\$,&[6.9001]\$,&[12.7]\$,&[5.2444]\$,&[11.826]\$,&[9.9191]  
],&[9.5134]\$,&[10.883]\$  
&[12.514]\$,&[1.3437]\$,&[10.598]\$,&[-1.4147]\$,&[2.9281]\$,&[2.7884]\$,&[8.2783]\$,&[11.  
301]\$,&[4.5252]\$,&[11.351]\$  
&[15.093]\$,&[7.2392]\$,&[12.228]\$,&[3.7117]\$,&[6.4369]\$,&[7.1163]\$,&[10.982]\$,&[9.35  
5]\$,&[12.743]\$,&[11.472]\$

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&[12.97]\$,&[4.0245]\$,&[12.022]\$,&[7.5898]\$,&[1.8783]\$,&[10.05]\$,&[9.7565]\$,&[9.1191]  
]\$,&[7.2005]\$,&[10.658]\$  
&[10.79]\$,&[5.0034]\$,&[17.402]\$,&[8.5238]\$,&[7.7428]\$,&[1.4962]\$,&[13.638]\$,&[9.483  
2]\$,&[6.9972]\$,&[11.91]\$  
&[13.156]\$,&[0.63657]\$,&[13.421]\$,&[8.1893]\$,&[5.4236]\$,&[3.2448]\$,&[11.647]\$,&[8.1  
685]\$,&[4.6541]\$,&[11.178]\$  
&[10.12]\$,&[3.2628]\$,&[21.008]\$,&[4.9868]\$,&[7.4687]\$,&[6.3555]\$,&[13.268]\$,&[10.91  
2]\$,&[3.9408]\$,&[11.426]\$

#### MM17B105

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.038243

&[6.8703]\$,&[7.8427]\$,&[6.6605]\$,&[10.518]\$,&[9.2805]\$,&[12.243]\$,&[8.1986]\$,&[12.0  
4]\$,&[2.2229]\$,&[7.9454]\$  
&[6.2935]\$,&[4.9699]\$,&[7.9792]\$,&[9.2536]\$,&[6.1446]\$,&[12.212]\$,&[11.878]\$,&[12.9  
87]\$,&[3.0833]\$,&[6.861]\$  
&[10.099]\$,&[10.453]\$,&[6.6037]\$,&[7.8625]\$,&[7.2523]\$,&[10.882]\$,&[7.5697]\$,&[11.9  
85]\$,&[1.2899]\$,&[2.05]\$  
&[11.007]\$,&[7.1497]\$,&[7.2206]\$,&[5.3472]\$,&[9.9885]\$,&[12.628]\$,&[10.547]\$,&[12.4  
51]\$,&[4.5516]\$,&[9.5968]\$  
&[7.9239]\$,&[8.2951]\$,&[7.1482]\$,&[9.7403]\$,&[6.1468]\$,&[10.304]\$,&[8.4062]\$,&[9.06  
14]\$,&[4.2034]\$,&[5.6108]\$  
&[7.2656]\$,&[9.2108]\$,&[7.7886]\$,&[4.6949]\$,&[5.5411]\$,&[10.347]\$,&[11.332]\$,&[14.5  
4]\$,&[0.26233]\$,&[3.9844]\$  
&[9.5687]\$,&[7.6774]\$,&[4.6436]\$,&[11.342]\$,&[7.9395]\$,&[8.9679]\$,&[7.7572]\$,&[13.6  
89]\$,&[1.9047]\$,&[6.0255]\$  
&[8.5927]\$,&[8.8937]\$,&[6.3187]\$,&[12.318]\$,&[7.3454]\$,&[11.698]\$,&[7.1613]\$,&[14.1  
28]\$,&[0.97286]\$,&[5.215]\$  
&[10.404]\$,&[5.8898]\$,&[6.8566]\$,&[9.297]\$,&[5.1553]\$,&[9.7472]\$,&[12.418]\$,&[15.07  
8]\$,&[2.3766]\$,&[7.0551]\$  
&[12.731]\$,&[9.5447]\$,&[7.0997]\$,&[6.6635]\$,&[7.7762]\$,&[11.715]\$,&[9.2039]\$,&[11.5  
04]\$,&[0.5898]\$,&[1.1813]\$

#### MM17B106

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0084169

&[13.227]\$,&[14.001]\$,&[13.181]\$,&[7.5706]\$,&[4.2888]\$,&[13.847]\$,&[12.941]\$,&[9.89  
28]\$,&[3.8143]\$,&[3.0743]\$  
&[13.604]\$,&[11.867]\$,&[3.7782]\$,&[10.528]\$,&[6.8306]\$,&[15.775]\$,&[8.8675]\$,&[7.64  
12]\$,&[5.847]\$,&[0.078335]\$  
&[11.368]\$,&[12.96]\$,&[7.5118]\$,&[9.857]\$,&[-0.33472]\$,&[8.4951]\$,&[8.4888]\$,&[10.7  
19]\$,&[5.9244]\$,&[5.2072]\$  
&[16.161]\$,&[17.044]\$,&[8.6196]\$,&[8.4404]\$,&[5.9443]\$,&[16.266]\$,&[4.6446]\$,&[7.62  
44]\$,&[3.0355]\$,&[0.23381]\$  
&[14.003]\$,&[16.401]\$,&[6.6104]\$,&[9.3587]\$,&[6.4859]\$,&[15.932]\$,&[3.0048]\$,&[14.3  
99]\$,&[3.8381]\$,&[2.1953]\$

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&[19.647]\$,&[13.056]\$,&[7.278]\$,&[9.6831]\$,&[4.0829]\$,&[12.384]\$,&[7.3324]\$,&[12.415]\$,&[4.5368]\$,&[-2.0049]\$  
&[13.369]\$,&[5.8202]\$,&[7.922]\$,&[8.1554]\$,&[6.9047]\$,&[17.068]\$,&[12.492]\$,&[5.2843]\$,&[5.3942]\$,&[2.8098]\$  
&[14.617]\$,&[11.205]\$,&[6.096]\$,&[7.5451]\$,&[7.782]\$,&[15.431]\$,&[7.8797]\$,&[6.4538]\$,&[4.005]\$,&[4.4801]\$  
&[12.702]\$,&[14.574]\$,&[6.1536]\$,&[9.8812]\$,&[1.8279]\$,&[14.439]\$,&[5.975]\$,&[13.038]\$,&[5.0628]\$,&[3.4308]\$  
&[15.11]\$,&[12.621]\$,&[7.0946]\$,&[8.5466]\$,&[10.936]\$,&[8.4161]\$,&[4.0637]\$,&[9.6441]\$,&[5.0169]\$,&[2.5001]\$

MM18B002

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0026826

&[11.78]\$,&[14.727]\$,&[7.3142]\$,&[8.4288]\$,&[5.9275]\$,&[7.2204]\$,&[13.07]\$,&[5.1067]\$,&[2.1755]\$,&[8.9567]\$  
&[10.269]\$,&[13.928]\$,&[4.7034]\$,&[6.9205]\$,&[2.7513]\$,&[6.2374]\$,&[10.063]\$,&[5.4917]\$,&[3.2355]\$,&[4.6825]\$  
&[8.7566]\$,&[13.839]\$,&[10.182]\$,&[5.9772]\$,&[5.6242]\$,&[5.8442]\$,&[15.35]\$,&[4.519]\$,&[2.5182]\$,&[7.8581]\$  
&[13.282]\$,&[10.065]\$,&[6.3377]\$,&[7.9148]\$,&[4.2722]\$,&[8.9166]\$,&[7.1137]\$,&[6.471]\$,&[5.6733]\$,&[9.8388]\$  
&[14.131]\$,&[11.797]\$,&[7.0098]\$,&[7.0741]\$,&[7.6198]\$,&[6.1805]\$,&[12.597]\$,&[5.7256]\$,&[1.4658]\$,&[9.1977]\$  
&[11.237]\$,&[11.69]\$,&[5.047]\$,&[5.0752]\$,&[7.3824]\$,&[8.1692]\$,&[9.7574]\$,&[8.2149]\$,&[0.96933]\$,&[8.3838]\$  
&[11.651]\$,&[10.271]\$,&[6.4152]\$,&[8.4636]\$,&[13.636]\$,&[6.1018]\$,&[13.868]\$,&[4.4138]\$,&[-0.3658]\$,&[5.8246]\$  
&[12.088]\$,&[8.0604]\$,&[11.394]\$,&[4.0914]\$,&[1.7154]\$,&[9.1659]\$,&[14.889]\$,&[-0.45541]\$,&[4.2447]\$,&[10.003]\$  
&[11.218]\$,&[11.537]\$,&[10.699]\$,&[8.4853]\$,&[7.0401]\$,&[8.9367]\$,&[5.6729]\$,&[5.5643]\$,&[4.4349]\$,&[5.7913]\$  
&[12.397]\$,&[13.807]\$,&[6.48]\$,&[7.3749]\$,&[7.0433]\$,&[5.3514]\$,&[11.59]\$,&[5.579]\$,&[1.0866]\$,&[-0.86775]\$

MM18B003

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.020778

&[6.0042]\$,&[7.9342]\$,&[7.9502]\$,&[6.1716]\$,&[9.2797]\$,&[3.4379]\$,&[9.4774]\$,&[8.3158]\$,&[5.3583]\$,&[9.953]\$  
&[4.2688]\$,&[2.1926]\$,&[1.9486]\$,&[6.1296]\$,&[4.1599]\$,&[4.5898]\$,&[-0.84843]\$,&[7.1259]\$,&[4.7476]\$,&[7.5941]\$  
&[13.582]\$,&[9.6987]\$,&[10.775]\$,&[11.677]\$,&[10.947]\$,&[12.693]\$,&[11.793]\$,&[12.189]\$,&[13.153]\$,&[8.1878]\$  
&[1.3601]\$,&[4.0373]\$,&[2.5444]\$,&[1.2353]\$,&[1.2214]\$,&[2.0703]\$,&[0.17271]\$,&[1.2852]\$,&[1.4699]\$,&[5.1088]\$

BT2022\_qiii\_22\_alldata  
&[3.1856]\$,&[5.4046]\$,&[5.868]\$,&[2.6236]\$,&[4.035]\$,&[6.3346]\$,&[2.8435]\$,&[6.355]  
\$,&[4.6623]\$,&[-0.2521]\$  
&[1.9794]\$,&[3.0153]\$,&[2.1768]\$,&[1.5353]\$,&[4.7116]\$,&[1.6176]\$,&[2.4339]\$,&[1.63  
02]\$,&[2.9786]\$,&[2.722]\$  
&[5.8759]\$,&[7.2575]\$,&[7.2597]\$,&[6.3291]\$,&[6.8818]\$,&[4.3949]\$,&[7.8649]\$,&[4.30  
71]\$,&[7.9002]\$,&[5.4143]\$  
&[3.1308]\$,&[3.9393]\$,&[2.8503]\$,&[2.8614]\$,&[4.6221]\$,&[3.1519]\$,&[3.9085]\$,&[1.68  
42]\$,&[4.596]\$,&[2.6652]\$  
&[7.4635]\$,&[9.0494]\$,&[3.111]\$,&[3.392]\$,&[3.9408]\$,&[6.0905]\$,&[-1.3665]\$,&[1.996  
3]\$,&[3.1655]\$,&[-2.3725]\$  
&[17.644]\$,&[13.998]\$,&[17.538]\$,&[15.562]\$,&[14.802]\$,&[18.961]\$,&[14.328]\$,&[16.2  
05]\$,&[16.72]\$,&[12.999]\$

#### MM18B009

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.028263

&[6.6697]\$,&[7.8454]\$,&[5.7515]\$,&[6.2432]\$,&[7.575]\$,&[7.0996]\$,&[6.6598]\$,&[6.552  
4]\$,&[8.4865]\$,&[7.7357]\$  
&[2.1534]\$,&[8.5353]\$,&[4.3614]\$,&[3.7258]\$,&[7.336]\$,&[8.6746]\$,&[2.3087]\$,&[5.348  
]\$,&[7.468]\$,&[2.5531]\$  
&[4.109]\$,&[6.9877]\$,&[6.0063]\$,&[6.1793]\$,&[3.1323]\$,&[4.4639]\$,&[5.8359]\$,&[3.671  
4]\$,&[2.7406]\$,&[4.1241]\$  
&[12.355]\$,&[13.258]\$,&[15.307]\$,&[15.16]\$,&[13.768]\$,&[14.222]\$,&[15.881]\$,&[15.60  
3]\$,&[11.643]\$,&[14.713]\$  
&[10.485]\$,&[7.0222]\$,&[9.6137]\$,&[8.8973]\$,&[9.7011]\$,&[13.646]\$,&[14.803]\$,&[14.9  
39]\$,&[6.7787]\$,&[8.0715]\$  
&[9.2647]\$,&[9.5028]\$,&[11.764]\$,&[11.868]\$,&[4.4175]\$,&[12.68]\$,&[5.7043]\$,&[7.58]  
\$,&[9.1158]\$,&[2.8468]\$  
&[1.9725]\$,&[3.0495]\$,&[2.7338]\$,&[3.9333]\$,&[3.1967]\$,&[4.118]\$,&[2.181]\$,&[2.9463  
]\$,&[0.41201]\$,&[3.0864]\$  
&[3.736]\$,&[2.1373]\$,&[1.4357]\$,&[0.38877]\$,&[-0.17976]\$,&[2.9106]\$,&[4.1627]\$,&[4.  
1568]\$,&[6.153]\$,&[-0.39924]\$  
&[16.057]\$,&[14.345]\$,&[16.536]\$,&[11]\$,&[15.849]\$,&[9.435]\$,&[8.8353]\$,&[12.151]\$,  
&[14.644]\$,&[12.485]\$  
&[8.2551]\$,&[8.9962]\$,&[6.1639]\$,&[9.1663]\$,&[11.987]\$,&[13.077]\$,&[8.5298]\$,&[10.4  
39]\$,&[8.8307]\$,&[9.2168]\$

#### MM18B018

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0079685

&[17.385]\$,&[13.18]\$,&[14.142]\$,&[7.0138]\$,&[9.8151]\$,&[7.0921]\$,&[2.5854]\$,&[7.849  
1]\$,&[8.9954]\$,&[12.553]\$  
&[15.289]\$,&[15.845]\$,&[15.058]\$,&[6.3975]\$,&[7.9888]\$,&[7.8093]\$,&[3.0927]\$,&[7.29  
31]\$,&[12.506]\$,&[12.501]\$  
&[14.587]\$,&[13.568]\$,&[14.779]\$,&[8.9635]\$,&[7.2206]\$,&[7.282]\$,&[4.9279]\$,&[6.784  
7]\$,&[10.991]\$,&[13.082]\$

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&[12.499]\$,&[14.539]\$,&[14.211]\$,&[4.3767]\$,&[7.0746]\$,&[5.4393]\$,&[5.7851]\$,&[5.63  
26]\$,&[9.9992]\$,&[13.136]\$  
&[12.29]\$,&[15.176]\$,&[13.961]\$,&[5.3422]\$,&[8.3002]\$,&[6.7634]\$,&[6.1642]\$,&[5.733  
4]\$,&[6.899]\$,&[12.189]\$  
&[19.215]\$,&[11.628]\$,&[13.193]\$,&[7.318]\$,&[9.898]\$,&[6.2329]\$,&[4.4664]\$,&[6.8457  
]\$,&[6.8071]\$,&[13.599]\$  
&[8.5108]\$,&[13.448]\$,&[13.766]\$,&[6.4135]\$,&[10.036]\$,&[7.1926]\$,&[4.3752]\$,&[6.89  
07]\$,&[8.2696]\$,&[13.114]\$  
&[18.514]\$,&[11.381]\$,&[14.117]\$,&[5.4268]\$,&[8.7394]\$,&[7.6528]\$,&[3.6628]\$,&[6.74  
19]\$,&[11.772]\$,&[12.876]\$  
&[16.781]\$,&[12.132]\$,&[15.323]\$,&[6.6385]\$,&[10.554]\$,&[4.9297]\$,&[4.5109]\$,&[6.28  
26]\$,&[9.1662]\$,&[12.639]\$  
&[17.693]\$,&[13.047]\$,&[13.639]\$,&[3.0063]\$,&[9.3241]\$,&[5.4864]\$,&[5.7531]\$,&[8.97  
51]\$,&[9.4511]\$,&[13.78]\$

MM18B019

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.039075

&[10.359]\$,&[6.8711]\$,&[15.74]\$,&[10.859]\$,&[6.6597]\$,&[6.443]\$,&[10.028]\$,&[3.6914  
]\$,&[10.177]\$,&[3.841]\$  
&[9.8979]\$,&[7.5862]\$,&[10.269]\$,&[10.492]\$,&[7.0859]\$,&[7.0142]\$,&[3.8466]\$,&[4.35  
78]\$,&[7.881]\$,&[7.4104]\$  
&[10.742]\$,&[8.6514]\$,&[14.055]\$,&[12.435]\$,&[6.1824]\$,&[7.3942]\$,&[2.7283]\$,&[4.54  
82]\$,&[5.9645]\$,&[6.9153]\$  
&[9.1129]\$,&[5.7053]\$,&[13.938]\$,&[10.425]\$,&[6.5106]\$,&[7.2239]\$,&[7.0241]\$,&[3.88  
44]\$,&[14.696]\$,&[4.3552]\$  
&[8.1493]\$,&[7.1179]\$,&[15.186]\$,&[7.074]\$,&[7.8556]\$,&[4.6201]\$,&[8.2893]\$,&[2.525  
2]\$,&[5.691]\$,&[0.91693]\$  
&[9.5891]\$,&[5.6682]\$,&[14.572]\$,&[11.265]\$,&[7.9662]\$,&[6.1809]\$,&[-2.3561]\$,&[3.3  
358]\$,&[9.3197]\$,&[4.2829]\$  
&[9.1732]\$,&[6.4579]\$,&[9.1555]\$,&[13.03]\$,&[3.3431]\$,&[5.8552]\$,&[1.657]\$,&[3.5218  
]\$,&[6.6498]\$,&[3.1316]\$  
&[8.7862]\$,&[5.1202]\$,&[12.651]\$,&[10.926]\$,&[5.793]\$,&[4.524]\$,&[1.8106]\$,&[4.0461  
]\$,&[10.657]\$,&[6.8479]\$  
&[13.344]\$,&[8.4533]\$,&[9.8434]\$,&[12.971]\$,&[7.3564]\$,&[2.518]\$,&[7.9962]\$,&[3.973  
1]\$,&[9.6915]\$,&[6.421]\$  
&[8.6653]\$,&[7.7361]\$,&[16.593]\$,&[8.8023]\$,&[6.1082]\$,&[3.8167]\$,&[2.7105]\$,&[3.61  
03]\$,&[9.5647]\$,&[4.1602]\$

MM18B026

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.033533

&[16.631]\$,&[11.502]\$,&[9.5712]\$,&[8.8578]\$,&[13.123]\$,&[13.452]\$,&[15.834]\$,&[9.64  
18]\$,&[16.134]\$,&[13.575]\$  
&[3.8702]\$,&[4.9649]\$,&[-0.11857]\$,&[1.3764]\$,&[3.7643]\$,&[8.863]\$,&[4.358]\$,&[4.02  
43]\$,&[4.2538]\$,&[2.4849]\$

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&[4.8085]\$,&[3.8966]\$,&[7.2577]\$,&[7.8556]\$,&[7.0348]\$,&[6.343]\$,&[0.83396]\$,&[5.1405]\$,&[2.9409]\$,&[7.5494]\$  
&[8.6518]\$,&[11.423]\$,&[4.6064]\$,&[6.738]\$,&[7.3424]\$,&[7.759]\$,&[5.5296]\$,&[8.0284]\$,&[9.0189]\$,&[8.7084]\$  
&[12.729]\$,&[13.255]\$,&[9.0383]\$,&[11.209]\$,&[14.193]\$,&[9.9606]\$,&[11.78]\$,&[6.1306]\$,&[13.065]\$,&[8.5648]\$  
&[6.0734]\$,&[6.7808]\$,&[8.0578]\$,&[4.7771]\$,&[4.4635]\$,&[5.9548]\$,&[5.0778]\$,&[3.4736]\$,&[4.2413]\$,&[4.9355]\$  
&[7.5711]\$,&[7.7015]\$,&[9.5607]\$,&[8.1636]\$,&[8.9765]\$,&[6.8745]\$,&[9.5418]\$,&[8.0626]\$,&[8.4288]\$,&[8.974]\$  
&[13.568]\$,&[17.27]\$,&[9.5765]\$,&[13.548]\$,&[10.899]\$,&[12.59]\$,&[14.925]\$,&[13.599]\$,&[14.461]\$,&[17.598]\$  
&[14.301]\$,&[12.532]\$,&[12.369]\$,&[13.253]\$,&[16.069]\$,&[15.393]\$,&[15.108]\$,&[15.181]\$,&[12.465]\$,&[17.838]\$  
&[13.143]\$,&[13.281]\$,&[11.354]\$,&[13.22]\$,&[12.16]\$,&[12.894]\$,&[11.743]\$,&[12.393]\$,&[12.337]\$,&[13.42]\$

#### MM18B029

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.019984

&[3.7244]\$,&[2.8477]\$,&[3.1389]\$,&[4.7766]\$,&[3.2676]\$,&[5.7041]\$,&[2.9688]\$,&[3.104]\$,&[3.2899]\$,&[1.8557]\$  
&[6.2229]\$,&[6.4321]\$,&[4.4543]\$,&[6.2272]\$,&[3.7381]\$,&[7.5842]\$,&[5.1907]\$,&[5.9487]\$,&[8.8748]\$,&[4.9564]\$  
&[10.833]\$,&[12.87]\$,&[7.5421]\$,&[6.3234]\$,&[7.6942]\$,&[8.4156]\$,&[10.51]\$,&[9.4261]\$,&[9.5071]\$,&[9.5136]\$  
&[15.432]\$,&[13.845]\$,&[11.426]\$,&[12.547]\$,&[12.204]\$,&[13.772]\$,&[14.618]\$,&[14.818]\$,&[11.746]\$,&[15.089]\$  
&[10.96]\$,&[9.8195]\$,&[9.6709]\$,&[7.606]\$,&[9.6083]\$,&[9.1999]\$,&[9.0797]\$,&[8.1466]\$,&[7.1801]\$,&[12.243]\$  
&[2.2661]\$,&[3.7742]\$,&[5.0319]\$,&[5.2813]\$,&[0.79538]\$,&[3.3529]\$,&[3.1083]\$,&[1.409]\$,&[1.157]\$,&[4.0115]\$  
&[9.486]\$,&[4.8806]\$,&[3.7259]\$,&[7.4722]\$,&[0.17267]\$,&[1.7236]\$,&[4.9743]\$,&[3.5921]\$,&[5.034]\$,&[4.7702]\$  
&[14.104]\$,&[17.584]\$,&[12.719]\$,&[14.724]\$,&[14.588]\$,&[14.621]\$,&[13.481]\$,&[13.028]\$,&[14.578]\$,&[14.602]\$  
&[10.838]\$,&[9.0407]\$,&[9.7173]\$,&[3.7243]\$,&[8.8156]\$,&[7.3669]\$,&[9.4335]\$,&[8.1376]\$,&[6.0959]\$,&[10.668]\$  
&[5.1755]\$,&[10.024]\$,&[4.7118]\$,&[8.4339]\$,&[8.2748]\$,&[8.107]\$,&[8.7513]\$,&[4.9626]\$,&[5.9451]\$,&[8.6807]\$

#### MM18B032

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.039809

&[5.6594]\$,&[7.2943]\$,&[7.1318]\$,&[7.4551]\$,&[4.2712]\$,&[6.2002]\$,&[0.90627]\$,&[2.5023]\$,&[5.9702]\$,&[5.0338]\$

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&[11.734]\$,&[14.335]\$,&[15.334]\$,&[12.792]\$,&[12.103]\$,&[11.314]\$,&[13.546]\$,&[14.278]\$,&[14.567]\$,&[13.549]\$  
&[12.123]\$,&[12.935]\$,&[11.809]\$,&[13.884]\$,&[14.011]\$,&[13.351]\$,&[13.285]\$,&[14.047]\$,&[12.594]\$,&[11.434]\$  
&[6.9751]\$,&[4.393]\$,&[6.2732]\$,&[7.1353]\$,&[4.4543]\$,&[7.2167]\$,&[4.8551]\$,&[9.2055]\$,&[6.7914]\$,&[6.5829]\$  
&[10.047]\$,&[6.8847]\$,&[6.7132]\$,&[9.2677]\$,&[8.628]\$,&[10.914]\$,&[9.5568]\$,&[11.45]\$,&[12.29]\$,&[10.626]\$  
&[6.6574]\$,&[9.4132]\$,&[4.5468]\$,&[5.3835]\$,&[9.0658]\$,&[8.1725]\$,&[6.3231]\$,&[9.6774]\$,&[7.2639]\$,&[7.4528]\$  
&[14.796]\$,&[10.009]\$,&[11.622]\$,&[11.228]\$,&[15.213]\$,&[16.891]\$,&[6.4085]\$,&[14.872]\$,&[9.1473]\$,&[18.494]\$  
&[13.958]\$,&[14.668]\$,&[12.639]\$,&[12.946]\$,&[11.637]\$,&[11.174]\$,&[13.962]\$,&[11.94]\$,&[12.989]\$,&[8.2043]\$  
&[4.174]\$,&[11.052]\$,&[7.8005]\$,&[6.0058]\$,&[8.6932]\$,&[12.849]\$,&[9.149]\$,&[4.0364]\$,&[3.9078]\$,&[7.6058]\$  
&[7.2568]\$,&[6.6439]\$,&[8.5237]\$,&[9.0144]\$,&[8.9522]\$,&[6.7215]\$,&[8.5803]\$,&[5.9017]\$,&[6.7521]\$,&[9.2485]\$

#### MM18B104

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.023573

&[13.105]\$,&[1.7598]\$,&[5.2451]\$,&[8.6458]\$,&[8.3735]\$,&[12.995]\$,&[3.2838]\$,&[14.335]\$,&[13.179]\$,&[3.1185]\$  
&[7.1583]\$,&[3.3234]\$,&[4.5908]\$,&[9.8327]\$,&[0.27102]\$,&[13.687]\$,&[3.0021]\$,&[15.774]\$,&[11.905]\$,&[7.3404]\$  
&[12.677]\$,&[3.3338]\$,&[7.6417]\$,&[12.615]\$,&[4.3119]\$,&[13.131]\$,&[1.9075]\$,&[14.234]\$,&[13.451]\$,&[7.3122]\$  
&[14.917]\$,&[1.2962]\$,&[7.1293]\$,&[16.644]\$,&[8.024]\$,&[12.514]\$,&[1.3477]\$,&[16.643]\$,&[13.052]\$,&[4.2619]\$  
&[9.1318]\$,&[-0.69443]\$,&[7.5161]\$,&[10.161]\$,&[7.3466]\$,&[13.234]\$,&[6.0402]\$,&[15.175]\$,&[13.706]\$,&[6.347]\$  
&[9.8972]\$,&[3.5293]\$,&[0.8143]\$,&[11.121]\$,&[1.8946]\$,&[13.199]\$,&[2.4779]\$,&[15.171]\$,&[11.444]\$,&[6.3306]\$  
&[6.7944]\$,&[2.6457]\$,&[4.2973]\$,&[10.527]\$,&[2.3686]\$,&[13.922]\$,&[5.0156]\$,&[15.285]\$,&[12.891]\$,&[10.868]\$  
&[12.686]\$,&[2.128]\$,&[5.8899]\$,&[16.424]\$,&[0.88695]\$,&[13.006]\$,&[2.617]\$,&[14.175]\$,&[13.509]\$,&[7.5361]\$  
&[14.393]\$,&[4.1811]\$,&[6.7577]\$,&[13.985]\$,&[0.31905]\$,&[12.661]\$,&[0.67474]\$,&[14.741]\$,&[12.16]\$,&[9.4381]\$  
&[10.039]\$,&[2.2791]\$,&[4.2709]\$,&[11.651]\$,&[7.6003]\$,&[13.079]\$,&[3.5608]\$,&[16.984]\$,&[13.669]\$,&[6.161]\$

#### MM18B108

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.035202

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&[6.1112]\$,&[6.2556]\$,&[8.4057]\$,&[6.8745]\$,&[7.4803]\$,&[10.233]\$,&[6.5418]\$,&[5.73  
55]\$,&[5.7347]\$,&[5.716]\$  
&[12.009]\$,&[13.611]\$,&[12.984]\$,&[12.188]\$,&[11.852]\$,&[12.609]\$,&[13.149]\$,&[11.9  
23]\$,&[10.881]\$,&[12.963]\$  
&[8.0457]\$,&[8.47]\$,&[8.9904]\$,&[13.235]\$,&[9.9292]\$,&[5.8563]\$,&[10.757]\$,&[7.4835  
]\$,&[14.693]\$,&[9.1147]\$  
&[1.8443]\$,&[6.3438]\$,&[5.3339]\$,&[6.2568]\$,&[6.4889]\$,&[4.4949]\$,&[6.6461]\$,&[5.79  
34]\$,&[1.8434]\$,&[8.3914]\$  
&[1.5333]\$,&[3.3865]\$,&[5.0835]\$,&[0.69738]\$,&[2.3958]\$,&[3.412]\$,&[2.1149]\$,&[1.61  
73]\$,&[-0.013589]\$,&[3.7246]\$  
&[14.761]\$,&[14.934]\$,&[15.064]\$,&[15.041]\$,&[13.297]\$,&[14.487]\$,&[14.84]\$,&[15.85  
5]\$,&[13.332]\$,&[12.45]\$  
&[11.266]\$,&[10.748]\$,&[8.6906]\$,&[8.5728]\$,&[9.6511]\$,&[5.32]\$,&[7.1194]\$,&[7.6845  
]\$,&[11.853]\$,&[11.9]\$  
&[1.571]\$,&[1.3741]\$,&[-0.57661]\$,&[3.7147]\$,&[0.79383]\$,&[0.57515]\$,&[2.5099]\$,&[3  
.9079]\$,&[2.7961]\$,&[3.794]\$  
&[2.663]\$,&[3.809]\$,&[2.166]\$,&[2.9431]\$,&[4.9231]\$,&[3.0923]\$,&[2.0645]\$,&[4.8083]  
\$,&[2.5043]\$,&[1.9675]\$  
&[4.9724]\$,&[4.3675]\$,&[6.1487]\$,&[4.6469]\$,&[5.7179]\$,&[3.7809]\$,&[6.6554]\$,&[1.39  
73]\$,&[4.7466]\$,&[7.5754]\$

#### MM20B041

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.0205

&[8.4698]\$,&[10.183]\$,&[10.107]\$,&[7.8097]\$,&[9.4218]\$,&[11.503]\$,&[7.3776]\$,&[8.41  
26]\$,&[11.148]\$,&[5.4498]\$  
&[1.5466]\$,&[-0.17412]\$,&[-0.14598]\$,&[2.6154]\$,&[3.3669]\$,&[4.7971]\$,&[4.9794]\$,&[  
3.2743]\$,&[2.8385]\$,&[0.83688]\$  
&[15.523]\$,&[12.51]\$,&[7.8895]\$,&[12]\$,&[13.064]\$,&[8.8464]\$,&[10.53]\$,&[14.326]\$,&  
[10.771]\$,&[14.264]\$  
&[14.323]\$,&[14.941]\$,&[13.854]\$,&[9.5898]\$,&[14.377]\$,&[12.249]\$,&[13.079]\$,&[11.3  
79]\$,&[9.8776]\$,&[12.511]\$  
&[6.2649]\$,&[0.032759]\$,&[6.1073]\$,&[0.62912]\$,&[2.831]\$,&[0.74765]\$,&[0.58216]\$,&  
[0.23014]\$,&[3.2332]\$,&[3.2876]\$  
&[14.356]\$,&[18.306]\$,&[13.11]\$,&[13.167]\$,&[15.755]\$,&[20.141]\$,&[13.033]\$,&[16.61  
5]\$,&[13.772]\$,&[15.493]\$  
&[7.304]\$,&[1.8334]\$,&[6.2348]\$,&[8.2385]\$,&[6.2715]\$,&[4.2487]\$,&[10.55]\$,&[5.3594  
]\$,&[6.621]\$,&[5.9832]\$  
&[5.7802]\$,&[2.8598]\$,&[4.0197]\$,&[4.8596]\$,&[2.2122]\$,&[1.2597]\$,&[1.9795]\$,&[4.29  
47]\$,&[4.5177]\$,&[2.9197]\$  
&[16.098]\$,&[14.1]\$,&[13.878]\$,&[11.538]\$,&[15.842]\$,&[14.626]\$,&[16.731]\$,&[15.439  
]\$,&[13.839]\$,&[13.184]\$  
&[10.634]\$,&[5.8727]\$,&[12.926]\$,&[6.2216]\$,&[9.4549]\$,&[6.8373]\$,&[10.187]\$,&[7.48  
14]\$,&[6.7284]\$,&[10.257]\$

#### NA18B012

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ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.047201

&[12.342]\$,&[4.8506]\$,&[1.632]\$,&[2.2542]\$,&[13.078]\$,&[8.22]\$,&[5.1005]\$,&[6.0133]\$,&[4.703]\$,&[5.2351]\$  
&[12.044]\$,&[6.8897]\$,&[2.4642]\$,&[2.3372]\$,&[9.0747]\$,&[7.1391]\$,&[6.1263]\$,&[5.1711]\$,&[11.751]\$,&[5.3845]\$  
&[12.959]\$,&[5.1487]\$,&[1.1198]\$,&[6.2895]\$,&[8.7526]\$,&[6.0885]\$,&[4.8]\$,&[7.6768]\$,&[5.1055]\$,&[8.4847]\$  
&[12.128]\$,&[2.5889]\$,&[3.2093]\$,&[6.0724]\$,&[7.4691]\$,&[3.8493]\$,&[4.8916]\$,&[4.0387]\$,&[8.2558]\$,&[7.3]\$  
&[10.785]\$,&[9.4706]\$,&[2.9577]\$,&[6.0783]\$,&[10.727]\$,&[8.3176]\$,&[5.9062]\$,&[6.5873]\$,&[9.6263]\$,&[6.2565]\$  
&[9.4738]\$,&[7.7344]\$,&[1.1196]\$,&[3.3292]\$,&[8.1578]\$,&[7.8127]\$,&[3.9917]\$,&[4.5619]\$,&[9.1235]\$,&[5.4692]\$  
&[13.429]\$,&[1.4177]\$,&[1.5128]\$,&[1.1094]\$,&[6.8847]\$,&[6.1667]\$,&[4.6357]\$,&[1.8616]\$,&[4.6371]\$,&[1.4771]\$  
&[10.558]\$,&[5.9966]\$,&[1.5888]\$,&[5.9376]\$,&[7.4773]\$,&[7.8739]\$,&[5.4195]\$,&[4.8272]\$,&[7.8145]\$,&[5.5862]\$  
&[11.024]\$,&[7.7972]\$,&[2.4546]\$,&[4.3066]\$,&[8.1593]\$,&[5.4755]\$,&[3.7689]\$,&[1.697]\$,&[7.5622]\$,&[3.3235]\$  
&[15.394]\$,&[4.7145]\$,&[1.9977]\$,&[-0.16739]\$,&[12.43]\$,&[5.91]\$,&[6.3055]\$,&[6.1003]\$,&[17.444]\$,&[5.9423]\$

#### NA18B019

ROWS TREATMENT T1 TO T10 | COLUMNS REPLICATION R1 TO R10

alpha = 0.036505

&[3.3013]\$,&[2.5156]\$,&[3.2542]\$,&[3.6075]\$,&[2.23]\$,&[5.1175]\$,&[5.1703]\$,&[1.3315]\$,&[1.5111]\$,&[3.7105]\$  
&[7.6776]\$,&[7.204]\$,&[6.9048]\$,&[7.2643]\$,&[8.0944]\$,&[9.724]\$,&[8.2214]\$,&[8.3427]\$,&[9.8275]\$,&[8.7666]\$  
&[4.0306]\$,&[6.4952]\$,&[9.7257]\$,&[1.3964]\$,&[6.6756]\$,&[8.081]\$,&[8.0913]\$,&[5.6572]\$,&[5.1878]\$,&[3.0319]\$  
&[4.8924]\$,&[7.831]\$,&[10.638]\$,&[10.219]\$,&[9.4782]\$,&[6.343]\$,&[11.426]\$,&[9.2542]\$,&[8.5832]\$,&[9.4083]\$  
&[14.974]\$,&[11.36]\$,&[14.155]\$,&[11.906]\$,&[13.171]\$,&[10.484]\$,&[10.985]\$,&[16.45]\$,&[13.549]\$,&[11.55]\$  
&[13.417]\$,&[16.282]\$,&[15.795]\$,&[13.227]\$,&[13.258]\$,&[13.669]\$,&[13.466]\$,&[14.85]\$,&[15.251]\$,&[12.415]\$  
&[5.4653]\$,&[11.064]\$,&[5.5462]\$,&[9.0824]\$,&[13.961]\$,&[11.673]\$,&[4.6528]\$,&[6.6498]\$,&[6.0935]\$,&[5.4271]\$  
&[3.6136]\$,&[7.95]\$,&[3.6547]\$,&[5.4587]\$,&[7.2163]\$,&[6.0078]\$,&[2.1876]\$,&[6.762]\$,&[5.9855]\$,&[7.2943]\$  
&[4.2855]\$,&[2.246]\$,&[5.4434]\$,&[3.2035]\$,&[5.8478]\$,&[5.3221]\$,&[3.7667]\$,&[2.7062]\$,&[4.6413]\$,&[2.4604]\$  
&[5.6162]\$,&[4.6838]\$,&[2.0266]\$,&[5.1239]\$,&[3.202]\$,&[0.45159]\$,&[2.0672]\$,&[-1.928]\$,&[1.822]\$,&[-2.0817]\$

**BT2022\_qiii\_22\_alldata**