data EX;

input A B C D;

cards;

422 521 437 582

431 545 422 639

784 600 473 735

711 406 478 800

641 563 397 853

709 361 944 748

344 387 394 622

599 700 890 514

511 348 488 714

381 944 521 627

349 545 387 548

387 337 633 644

394 427 627 736

621 771 444 528

328 752 1467 595

636 810 828 572

388 406 644 627

901 537 1154 546

394 816 430 701

350 369 508 664

Run;

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proc print EX;

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proc print data=EX;

Run;

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data one; set EX;

method="A"; Y=A;output;

method="B"; Y=B;output;

method="C"; Y=C;output;

method="D"; Y=D;output;

keep Y method;

Run;

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proc glm data=ONE;

class method; /\*to show your variable is not categorical, its numerical \*/

model Y=method;

run;

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proc glm data=one;

class method;

model Y=method;

means method / lsd; /\*compare treatment means\*/

Run;

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proc glm data=one; /\*check residuals \*/

class method;

model Y=method;

output out= resids r=res;

Run;

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proc univariate normal plot;

var res;

Run;

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proc glm data=one;

class method;

model Y=method;

means method/hovtest=levene;

run;