

# **Professor Dawn VanLeeuwen**

New Mexico State University  
ECONOMICS, APPLIED STATISTICS AND INTERNATIONAL BUSINES  
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## **Education**

Ph D, Oregon State University, 1993.

Major: Statistics

Supporting Areas of Emphasis: Linear Models, probability, advanced statistical theory, statistical inference, advanced experimental design, sampling methods, consulting.

Dissertation Title: Completeness and Sufficiency Under Normality in Mixed Model Designs

Advisors: Justus F. Seely and David S. Birkes

MS, Oregon State University, 1988.

Major: Highest Scholarship, Operations Research

BS, Oregon State University, 1987.

Major: Highest Scholarship, Mathematical Sciences and Mathematics

## **Professional Positions**

Full Professor, Department of Economics, Applied Statistics, and International Business, New Mexico State University. (2008 - Present). Joint appointment with 60% commitment to New Mexico Agricultural Experiment Station (NMAES). Current position activities: Teach A ST 567 and 568 Applied Linear Models I and II; Advise students in Applied Statistics master's program; service on more than 10 graduate student committees annually; provide statistical support as the statistician collaborator and consultant to College of Agricultural, Consumer and Environmental Sciences students, faculty and researchers and NMAES personnel typically resulting in more than 5 published collaborations per year.

Full Professor, Department of Agricultural and Extension Education and Agricultural Biometric Service, New Mexico State University. (2004 - 2008).

Associate Professor, Dept. of Agriculture and Extension Education and Agricultural Biometric Service, New Mexico State University. (1999 - 2004).

Assistant Professor, Dept. of Agriculture and Extension Education and Agricultural Biometric Service, New Mexico State University. (June 1996 - 1999).

Assistant Professor, Department of Experimental Statistics and University Statistics Center, New Mexico State University. (August 1993 - June 1996).

## **Awards and Honors**

ASHS Outstanding Education Publication Award for 2015, American Society for Horticultural Science. (April 20, 2016).

Tenth Most Read ASHS paper April 2010, American Society for Horticultural Science. (2010).

2006 NMSU CAHE (College of Agriculture and Home Economics) Distinguished Service Award.

2005 NMSU Collegiate FFA/ATA Outstanding Teacher Award.

2003 Emerald Management Review Citation of Excellence for practical implications. Co-awardees: K. Mandabach, P. Bloomquist, and W. Rande. (Awarded by I-CHRIE, the International Council on Hotel, Restaurant, and Institutional Education, to top papers published in Emerald Management Reviews Accredited Journal Coverage List.)

2003 Emerald Management Review Citation of Excellence for readability. Co-awardees: K. Mandabach, P. Bloomquist, and W. Rande.

2003 Emerald Management Review Citation of Excellence for practical implications. Co-awardees: K. Mandabach, R. Harrington, and D. Revelas.

2001 College of Health and Social Services Research Award for Best Research Publication in Border Community Research 2000-2001. Co-awardees: M. Barnes and M. Pase.

2000 E. B. Knight Journal Award (Awarded by NACTA, National Association of Colleges and Teachers of Agriculture, for the outstanding article in the NACTA Journal in 1999.). Co-awardees: B. SeEVERS and T. Dormody.

## Selected Published Intellectual Contributions

Heerema, R., VanLeeuwen, D., Thompson, M. Y., Sherman, J. D., Comeau, M. J., Walworth, J. L. (2017). Soil-application of zinc-EDTA increases leaf photosynthesis of immature 'Wichita' pecan trees. *Journal of the American Society for Horticultural Science*, 142(1), 27-35.

Griffin, E., Desmond, M. J., VanLeeuwen, D. (2017). Juvenile burrowing owl movement and survival in a human-altered landscape. *Wildlife Society Bulletin*, 41(4), 649-658.

Archuleta, M., VanLeeuwen, D., Turner, C. (2016). Fit families program improves self-perception in children. *Journal of Nutrition Education and Behavior*, 48(6), 392-396.

Picchioni, G., Martinez, S., Mexal, J., VanLeeuwen, D. (2016). Vegetative Growth and Leaf Nutrition Status of 'Carpino' Chrysanthemum on a Pecan Wook-Amended Comercial Substrate. *HortScience*, 51(2), 177-185.

Stringam, E. C., Mandabach, K. H., VanLeeuwen, D. (2015). Management Contracts and Home Owners Association Controlled Timeshare Resorts. *Tourism & Hospitality*, 4(3), 9. <http://www.omicsgroup.info/journals/management-contracts-and-home-owners-association-controlled-timeshare-resorts-is-there-a-difference-in-performance-metrics-2167-0269-1000151.pdf>

Uchanski, M. E., Grover, K., VanLeeuwen, D., Goss, R. M. (2015). Integrating Hoop House Construction and Environmental Data Interpretation into an Undergraduate General Education Plant Science Course. *Hort Technology*, 25(2), 247-252.

Skelton, P. D., Stair, K. S., Dormody, T. J., VanLeeuwen, D. (2014). Determining the Science, Agriculture and Natural Resource, and Youth Leadership Outcomes for Students Participating in an Innovative Middle School Agriscience Program. *Journal of Agricultural Education*, 55(4), 53-71.

Heerema, R., VanLeeuwen, D., St Hilaire, R., Gutschick, V., Cook, B. (2014). Leaf Photosynthesis in Nitrogen-starved 'Western' Pecan Is Lower on Fruiting Shoots than Non-fruiting Shoots during Kernel Fill. *Journal of the American Society for Horticultural Science*, 139(3), 267-274.

- VanLeeuwen, D., You, Z., Leinauer, B. (2013). Analyzing Partially Nested Designs with Irregular Nesting: A Cautionary Case Study. *Agronomy Journal*, 105(5), 1298-1306.
- Contreras-Govea, F., VanLeeuwen, D., Angadi, S., Marsalis, M. A. (2013). Enhances in Crude Protein and Effects on Fermentation Profile of Corn and Forage Sorghum Silage with Addition of Cowpea. *Forage and Grazinglands*(Online), 7 p.
- Archuleta, M., VanLeeuwen, D., Halderson, K., Jackson, K., Bock, M. A., Eastman, W., Powell, J., Titone, M., Marr, C., Wells, L. (2012). Cooking schools improve nutrient intake patterns of people with Type 2 diabetes. *Journal of Nutrition Education and Behavior*, 44(4), 319-325.
- Zhou, Y., Falk, C. L., VanLeeuwen, D. (2012). Retail Demand for Natural Dye Plants and Dye Products: A Conjoint Analysis. *Journal of International Food & Agribusiness Marketing*, 24, 66-75.
- Contreras-Govea, F., Marsalis, M., Angadi, S., Smith, G., Lauriault, L. M., VanLeeuwen, D. (2011). Fermentability and nutritive value of corn and forage sorghum when in mixture with lablab bean. *Crop Science*, 51, 1307-1313.
- SeEVERS, B., Hodnett, F., VanLeeuwen, D. (2011). Findings of 4-H impact studies in six western states. *Journal of Extension*, 49(4), 10. <http://www.joe.org/joe/2011august/a4.php>
- Montanez, M., Devall, E., VanLeeuwen, D. (2010). Social capital: Strengthening Mexican-American families through parenting education. *Journal of Family and Consumer Sciences*, 102(3), 27-33.
- Lucero, M. E., Dreesen, D. R., VanLeeuwen, D. (2010). Using hydrogel filled, embedded tubes to sustain grass transplants for arid land restoration. *Journal of Arid Environments*, 74, 987-990.
- VanLeeuwen, D., Birkes, D. S., Seely, J. F. (1999). Balance and Orthogonality in Designs for Mixed Classification Models. *The Annals of Statistics*, 27(6), 1927-1947.
- VanLeeuwen, D., Seely, J. F., Birkes, D. S. (1998). Sufficient Conditions for Orthogonal Designs in Mixed Linear Models. *The Journal of Statistical Planning and Inference*, 73, 373-389.
- VanLeeuwen, D. (1997). A Note on the Covariance Structure in a Linear Model. *The American Statistician*, 51(2), 140-144.