Multiple Imputation Workshop Summary

There are plenty of resources that will help you make some decisions about an imputation strategy. These are organized by the software we covered at the workshop.

PAPERS

Horton and Kleinman 2007. Much Ado About Nothing: A Comparison of Missing Data Methods and Software to Fit Incomplete Data Regression Models. *The American Statistician, February 2007, Vol. 61, No. 1.*
http://maven.smith.edu/~nhorton/muchado.pdf

Includes an Appendix with coding examples
http://www.math.smith.edu/muchado-appendix.pdf

Acock, Alan 2005. Working With Missing Values. *Journal of Marriage & Family*, Vol. 67 Issue 4, p1012-1028.

WEBSITES

Multiple Imputation FAQ page at Penn State:
http://www.stat.psu.edu/~jls/mifaq.html

and

http://www.multiple-imputation.com/

SAS

The Effect of School on Overweight in Childhood: Gain in Body Mass Index During the School Year and During Summer Vacation. By: von Hippel, Paul T.; Powell, Brian; Downey, Douglas B.; Rowland, Nicholas J.. American Journal of Public Health, Apr2007, Vol. 97 Issue 4, p696-702

Peer and Teacher Effects on the Early Onset of Sexual Intercourse. By: Brendgen, Mara; Wanner, Brigitte; Vitaro, Frank. American Journal of Public Health, Nov2007, Vol. 97 Issue 11, p2070-2075

Differences by Gender, Ethnicity, and Acculturation in the Efficacy of the keepin' it REAL Model Prevention Program. By: Kulis, Stephen; Yabiku, Scott T.; Marsiglia, Flavio F.; Nieri, Tanya; Crossman, Ashley. Journal of Drug Education, 2007, Vol. 37 Issue 2, p123-144

SAS supplied documentation
http://support.sas.com/rnd/app/papers/miv802.pdf

Websites on Proc MI and Proc MIANALYZE that are <u>particularly</u> helpful:

http://www.sociology.ohio-state.edu/people/ptv/faq/mi_mianalyze.htm

http://support.sas.com/rnd/app/papers/multipleimputation.pdf

Stata

Lamb, Kathleen. (2007) "I Want to Be Just Like Their Real Dad": Factors Associated With Stepfather Adoption. Journal of Family Issues, Vol. 28, No. 9, 1162-1188.

Lisa Cubbins, & Daniel Klepinger (2007)Childhood Family, Ethnicity, and Drug Use Over the Life Course Journal of Marriage and Family 69 (3), 810–830.

The best example of Stata ice can be found at UCLA's Academic Computing Services.
http://www.ats.ucla.edu/stat/stata/library/ice.htm

A second example dealing with interaction terms:
http://www.ats.ucla.edu/stat/stata/Library/ice_interactions.htm

Also see Stata Manuals

SAS IVEware

David A. Penn 2007. Estimating Missing Values from the General Social Survey: An Application of Multiple Imputation *Social Science Quarterly*, Volume 88, Number 2, June 2007

Forman-Hoffman VL, et al. 2007. Weight and depressive symptoms in older adults: direction of influence? *The Journals of Gerontology Series B: Psychological Sciences and Social Sciences* Jan;62(1):S43-51.

SAS IVEware has a nicely written user guide.

http://www.isr.umich.edu/src/smp/ive/