Do Imports Subtract from GDP? Teaching the GDP Expenditures Equation

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Three Teaching Recommendations More Information Active Learning Guide The Standard Textbook Approach is Misleading **1.** Decouple Nx so students see the variables The Textbook Treatment The GDP Expenditures GDP = C + I + G + Nxof Net Exports: Will the Equation: What Is GDP and as independent of each other. Use (X - M). GDP = C + I + G + (X - M)Uninformed Reader How Do We Measure It? Understand? Journal of 2. Teach "-M" as an Accounting Strategy The rational reader assumes: because imports are **Rather Than an Expenditure Variable** Economics Teaching subtracted, the result is a decrease in GDP. he GDP Expenditures Equation Subtracting imports (-M) is a corrective What Is GDP and How Do We Measure I accounting measure since the value has Example: I purchased an imported car for \$30,000. already been added to one of the other GDP = C + I + G + (X - \$30,000)ECONOMICS domestic variables (C, I, or G). Conclusion: GPD is reduced by \$30,000 The Textbook Treatment of Net Exports: Will the Uninformed Reader Understand Example: I purchased an imported car for But if GDP measures domestic production, \$30,000 (added as "C" at purchase, purchasing an import should not reduce GDP. subtracted as "M" for accounting): GDP = **\$30,000** + I + G + (X - **\$30,000**) Textbooks often don't provide enough detail to https://www.stlouisfed.org/education Conclusion: Import has no impact on GDP guide students to a correct understanding. /gdp-expenditures-equation 3. Introduce a Globalized Approach Example: PAGE ONE **Classroom-friendly Article** GDP How Do Imports Affect GDP? Production of "domestic" goods often includes "Note that U.S. imports contribute to the GDP of How Do Imports Affect GDP? imported parts. So, a \$30,000 domestically other nations—the locations where that value was (Page One Economics) produced car that includes \$15,000 in produced—and we don't want them to count imported parts, increases GDP by \$15,000. twice; thus in GDP for the United States, we https://www.stlouisfed.org/education/page-one-Using this nuanced approach can help include U.S. exports but subtract U.S. imports." economics-classroom-edition/imports-gdp students better understand how "global" (Tabarrok and Cowen, 3rd ed., p.499-500) products contribute to GDP.