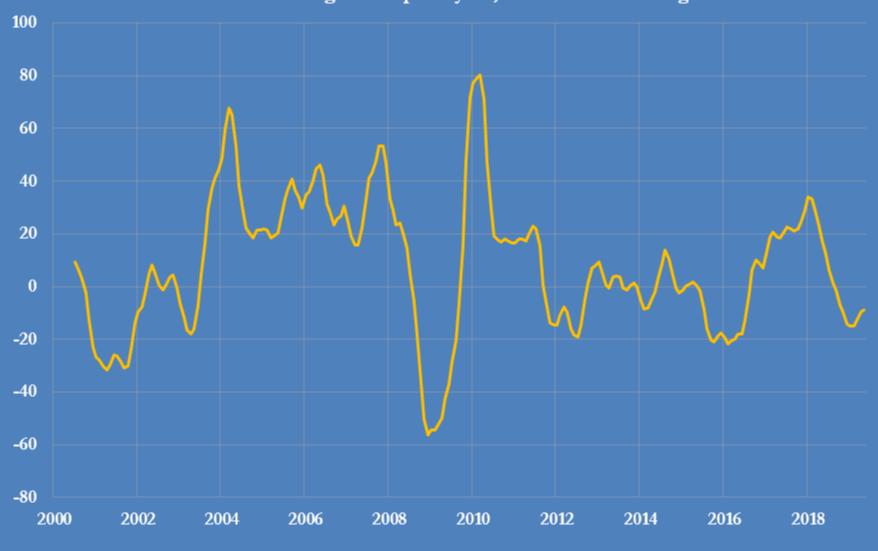
Emerging markets and oil consumption Selected indicators

JOHN KEMP REUTERS 15 May 2019

MSCI equity market indices, 2000-2019

Emerging markets
Percent change from prior year, three-month average



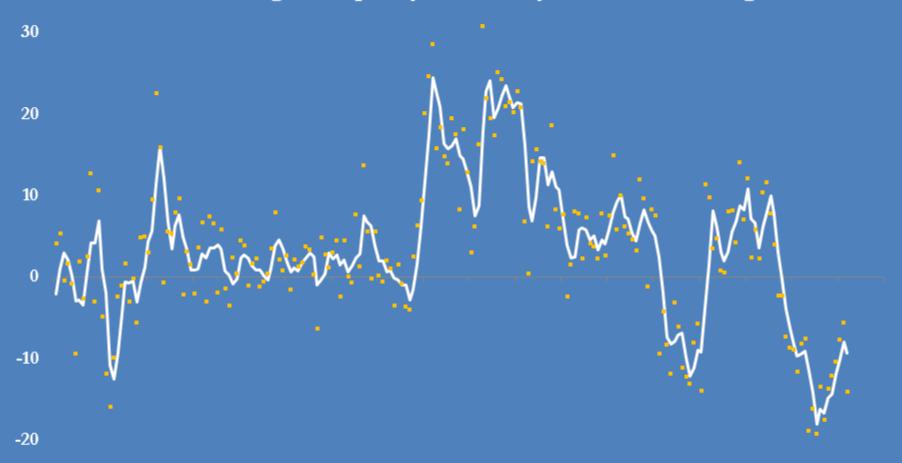
Source: Refinitiv

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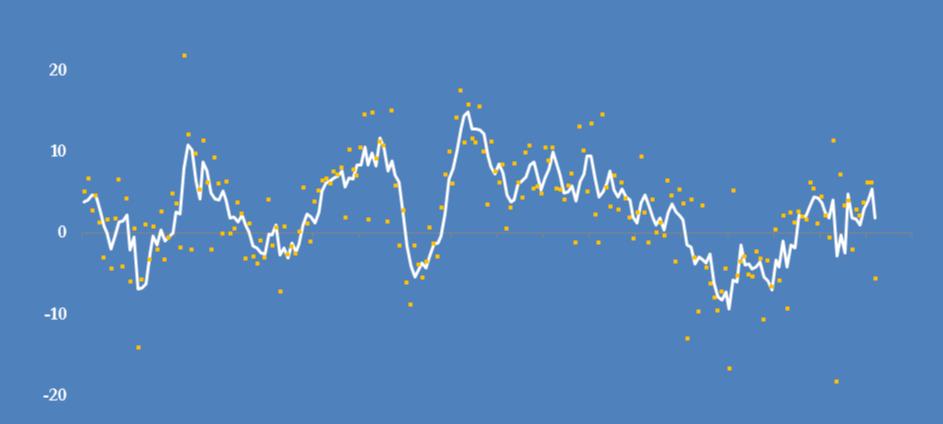
Brazil gasoline sales
Percent change from prior year, monthly and 3-month average



-30 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2<u>015 2016 2017 2018 2019</u>

Source: Agencia Nacional do Petroleo, Gas Natural e Biocombustiveis @JKempEnergy

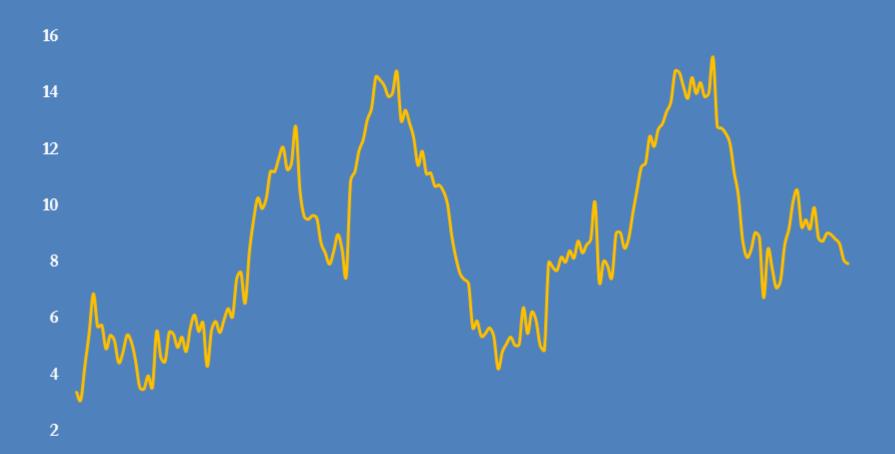




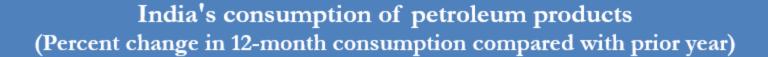
-30 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019

Source: Agencia Nacional do Petroleo, Gas Natural e Biocombustiveis @JKempEnergy





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2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020
Source: Petroleum Planning and Analysis Cell, Ministry of Petroleum and Natural Gas,
@JKempEnergy





Source: Petroleum Planning and Analysis Cell, Ministry of Petroleum and Natural Gas, @JKempEnergy