Professor Bear :: XML in R

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What is XML?

Extensible Markup Language (XML) is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable.

```xml
<?xml version="1.0"?>
<quiz>
 <qanda seq="1">
  <question>
   Who was the forty-second
   president of the U.S.A.?
  </question>
  <answer>
   William Jefferson Clinton
  </answer>
 </qanda>
 <!-- Note: We need to add
   more questions later.-->
</quiz>
```

XML

XML Doc

XML terminology

Character **-** An XML document is a string of characters. Almost every legal Unicode character may appear **in** an XML document.

* Processor and application **-** The processor analyzes the markup and passes structured information to an application. The specification places requirements on what an XML processor must do and not do, but the application is outside its scope. The **processor** (as the specification calls it) is often referred to colloquially as an XML parser.

* Markup and content**-** The characters making up an XML document are divided

into markup and content, which may be distinguished by the application of simple syntactic rules. Generally, strings that constitute markup either begin with the character < and end with a >, or they begin with the character & and end with a ;. Strings of characters that are not markup are content. However, in a CDATA section, the delimiters <![CDATA[and]]> are classified as markup, while the text between them is classified as content. In addition, whitespace before and after the outermost element is classified as markup.

* Tag - A tag is a markup construct that begins with < and ends with >. Tags come in three flavors:
start-tag, such as <section>;
end-tag, such as </section>;
empty-element tag, such as <line-break />.

* Element - An element is a logical document component that either begins with a start-tag and ends with a matching end-tag or consists only of an empty-element tag. The characters between the start-tag and end-tag, if any, are the element's content, and may contain markup, including other elements, which are called child elements. An example is <greeting>Hello, world!</greeting>. Another is <line-break />.

* Attribute - An attribute is a markup construct consisting of a name–value pair that exists within a start-tag or empty-element tag. An example is , where the name of the attributes are "src" and "alt" and their values are "bear.jpg" and "bear" respectively. Another example is <step number="3">Connect A to B.</step>, where the name of the attribute is "number" and its value is "3". An XML attribute can only have a single value and each attribute can appear at most once on each element. In the common situation where a list of multiple values is desired, this must be done by encoding the list into a well-formed XML attribute[note 1] with some format beyond what XML defines itself. Usually this is either a comma or semi-colon delimited list or, if the individual values are known not to contain spaces,[note 2] a space-delimited list can be used. <div class="inner greeting-box">Welcome!</div>, where the attribute "class" has both the value "inner greeting-box" and also indicates the two CSS class names "inner" and "greeting-box".

* XML declaration - XML documents may begin with an XML declaration that describes some information about themselves. An example is <?xml version="1.0" encoding="UTF-8"?>.

Additional packages needed

To run the code in you may need additional packages.

- If necessary install the following package(s).

```
install.packages("XML");
```

```
library(XML)
```

MLB XML data

mlb.com stores statistical data from baseball games on
http://gd2.mlb.com/components/game/mlb/ in an XML format.

Let's parse the master scorebord for 09/10/2016
http://gd2.mlb.com/components/game/mlb/year_2016/month_09/day_10/master_score
board.xml

```
xml.url <-
"http://gd2.mlb.com/components/game/mlb/year_2016/month_09/day_10/master_scor
eboard.xml"
# Use the xmlTreePares-function to parse xml file directly from the web
mlb.xml <- xmlTreeParse(xml.url)
class(mlb.xml)

## [1] "XMLDocument"         "XMLAbstractDocument"

xmltop = xmlRoot(mlb.xml) #gives content of root
class(xmltop) #"XMLInternalElementNode" "XMLInternalNode" "XMLAbstractNode"

## [1] "XMLNode"          "RXMLAbstractNode" "XMLAbstractNode"
## [4] "oldClass"

print(xmltop)[1]

## <games year="2016" month="09" day="10" modified_date="2017-02-
24T15:22:15Z" next_day_date="2016-09-11">
##  <game id="2016/09/10/bosmlb-tormlb-1" venue="Rogers Centre"
game_pk="448977" time="1:05" time_date="2016/09/10 1:05"
time_date_aw_lg="2016/09/10 1:05" time_date_hm_lg="2016/09/10 1:05"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="1:05"
away_time_zone="ET" away_ampm="PM" home_time="1:05" home_time_zone="ET"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="1:05" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="1:05"
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="14" scheduled_innings="9"
description="" away_name_abbrev="BOS" home_name_abbrev="TOR" away_code="bos"
away_file_code="bos" away_team_id="111" away_team_city="Boston"
away_team_name="Red Sox" away_division="E" away_league_id="103"
away_sport_code="mlb" home_code="tor" home_file_code="tor" home_team_id="141"
home_team_city="Toronto" home_team_name="Blue Jays" home_division="E"
home_league_id="103" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="-"
home_games_back="4.0" away_games_back_wildcard="" home_games_back_wildcard="-
" venue_w_chan_loc="CAXX0504" location="Toronto, Canada"
gameday="2016_09_10_bosmlb_tormlb_1" away_win="79" away_loss="62"
home_win="78" home_loss="63"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_bosmlb_tormlb_1" league="AA">
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <status status="Final" ind="F" reason="" inning="9" top_inning="Y" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
##   <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <r away="2" home="3" diff="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <h away="4" home="6"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <e away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <hr away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <sb away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <so away="8" home="8"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="425834" last="Upton" first="Melvin"
name_display_roster="Upton Jr." number="7" hr="1" std_hr="20" inning="2"
runners="1" team_code="tor"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <player id="456030" last="Pedroia" first="Dustin"
name_display_roster="Pedroia" number="15" hr="1" std_hr="13" inning="6"
runners="0" team_code="bos"/>
##   </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <winning_pitcher id="457918" last="Happ" first="J.A."
name_display_roster="Happ" number="33" era="3.33" wins="18" losses="4"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <losing_pitcher id="593958" last="Rodriguez" first="Eduardo"
name_display_roster="Rodriguez, E" number="52" era="4.70" wins="2"
losses="7"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <save_pitcher id="532077" last="Osuna" first="Roberto" number="54"
name_display_roster="Osuna" era="2.36" wins="2" losses="2" saves="31"
svo="34"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448977-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_bosmlb_tormlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448977-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448977-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_bosmlb_tormlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_bosmlb_tormlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_bosmlb_tormlb_1&amp;mode=previ
ew&amp;c_id=mlb" tv_station="FOX"/>
##    <broadcast>
##     <home>
##      <tv>FOX</tv>
```

```
##       <radio>SN590</radio>
##     </home>
##     <away>
##      <tv>FOX</tv>
##      <radio>WEEI 93.7, WCCM 1110 AM</radio>
##     </away>
##    </broadcast>
##    <game_media>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <media type="game" calendar_event_id="14-448977-2016-09-10"
start="2016-09-10T13:05:00-0400" title="BOS @ TOR" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <media type="vpp" content_id="1154983783" topic_id="" headline="Upton
Jr.&apos;s two-run home run"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/10/images/mlbf_1154983
783_th_43.jpg"/>
##    </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th
_7_preview.jpg</video_thumbnail>
##    <video_thumbnails>
##     <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th_7_pr
eview.jpg</thumbnail>
##     <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th_37_p
review.jpg</thumbnail>
##    </video_thumbnails>
##   </game>
##   <game id="2016/09/10/chnmlb-houmlb-1" venue="Minute Maid Park"
game_pk="448978" time="1:05" time_date="2016/09/10 1:05"
time_date_aw_lg="2016/09/10 1:05" time_date_hm_lg="2016/09/10 1:05"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="12:05"
away_time_zone="CT" away_ampm="PM" home_time="12:05" home_time_zone="CT"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="1:05" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="1:05"
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="2392" scheduled_innings="9"
description="" away_name_abbrev="CHC" home_name_abbrev="HOU" away_code="chn"
away_file_code="chc" away_team_id="112" away_team_city="Chi Cubs"
```

away_team_name="Cubs" away_division="C" away_league_id="104"
away_sport_code="mlb" home_code="hou" home_file_code="hou" home_team_id="117"
home_team_city="Houston" home_team_name="Astros" home_division="W"
home_league_id="103" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="-"
home_games_back="11.0" away_games_back_wildcard=""
home_games_back_wildcard="5.0" venue_w_chan_loc="USTX0617" location="Houston,
TX" gameday="2016_09_10_chnmlb_houmlb_1" away_win="90" away_loss="51"
home_win="75" home_loss="67"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_chnmlb_houmlb_1" league="NA">

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<status status="Final" ind="F" reason="" inning="9" top_inning="Y" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
<linescore>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<inning away="0" home="0"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<inning away="0" home="0"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<inning away="0" home="2"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<inning away="1" home="0"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<inning away="0" home="0"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

```
##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <r away="1" home="2" diff="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <h away="2" home="5"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <e away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <hr away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <sb away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##     <so away="8" home="12"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="608324" last="Bregman" first="Alex"
name_display_roster="Bregman" number="2" hr="1" std_hr="8" inning="3"
runners="0" team_code="hou"/>
##   </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <winning_pitcher id="543521" last="McHugh" first="Collin"
name_display_roster="McHugh" number="31" era="4.86" wins="10" losses="10"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <losing_pitcher id="407793" last="Lackey" first="John"
name_display_roster="Lackey" number="41" era="3.35" wins="9" losses="8"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <save_pitcher id="571704" last="Giles" first="Ken" number="53"
name_display_roster="Giles" era="3.51" wins="2" losses="3" saves="10"
svo="13"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448978-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_chnmlb_houmlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448978-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448978-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_chnmlb_houmlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_chnmlb_houmlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_chnmlb_houmlb_1&amp;mode=previ
ew&amp;c_id=mlb" tv_station="FOX"/>
```

```
##    <broadcast>
##     <home>
##      <tv>FOX</tv>
##      <radio>KBME 790, La Nueva 94.1 FM</radio>
##     </home>
##     <away>
##      <tv>FOX</tv>
##      <radio>670 The Score</radio>
##     </away>
##    </broadcast>
##    <game_media>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <media type="game" calendar_event_id="14-448978-2016-09-10"
start="2016-09-10T13:05:00-0400" title="CHC @ HOU" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/chnhou_448978_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <media type="vpp" content_id="1155125783" topic_id="" headline="Giles
nails down the save"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1155125
783_th_43.jpg"/>
##    </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/chnhou_448978_th
_7_preview.jpg</video_thumbnail>
##    <video_thumbnails>
##     <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/chnhou_448978_th_7_pr
eview.jpg</thumbnail>
##     <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/chnhou_448978_th_37_p
review.jpg</thumbnail>
##    </video_thumbnails>
##   </game>
##   <game id="2016/09/10/seamlb-oakmlb-1" venue="Oakland Coliseum"
game_pk="448988" time="4:05" time_date="2016/09/10 4:05"
time_date_aw_lg="2016/09/10 4:05" time_date_hm_lg="2016/09/10 4:05"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="1:05"
away_time_zone="PT" away_ampm="PM" home_time="1:05" home_time_zone="PT"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="4:05" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="4:05"
```

```
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="10" scheduled_innings="9"
description="" away_name_abbrev="SEA" home_name_abbrev="OAK" away_code="sea"
away_file_code="sea" away_team_id="136" away_team_city="Seattle"
away_team_name="Mariners" away_division="W" away_league_id="103"
away_sport_code="mlb" home_code="oak" home_file_code="oak" home_team_id="133"
home_team_city="Oakland" home_team_name="Athletics" home_division="W"
home_league_id="103" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="9.0"
home_games_back="26.0" away_games_back_wildcard="3.0"
home_games_back_wildcard="20.0" venue_w_chan_loc="USCA0791"
location="Oakland, CA" gameday="2016_09_10_seamlb_oakmlb_1" away_win="74"
away_loss="68" home_win="60" home_loss="81"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_seamlb_oakmlb_1" league="AA">

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <status status="Final" ind="F" reason="" inning="9" top_inning="N" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
##   <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="2" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="4" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <inning away="2" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <inning away="6" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <inning away="0" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <r away="14" home="3" diff="11"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <h away="17" home="9"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <e away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <hr away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <sb away="0" home="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <so away="3" home="6"/>
##    </linescore>
##    <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="592387" last="Healy" first="Ryon"
name_display_roster="Healy, R" number="48" hr="1" std_hr="8" inning="8"
runners="1" team_code="oak"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="572122" last="Seager" first="Kyle"
name_display_roster="Seager, K" number="15" hr="1" std_hr="28" inning="7"
runners="0" team_code="sea"/>
##    </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <winning_pitcher id="433587" last="Hernandez" first="Felix"
name_display_roster="Hernandez, F" number="34" era="3.58" wins="11"
losses="5"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <losing_pitcher id="608665" last="Graveman" first="Kendall"
name_display_roster="Graveman" number="49" era="4.13" wins="10" losses="10"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <save_pitcher id="" last="" first="" number="" name_display_roster=""
era="0" wins="0" losses="0" saves="0" svo="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448988-
2016-09-10&apos;,media_type:&apos;video&apos;})"
```

wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_seamlb_oakmlb_1&mode=wrap&c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:'14-448988-2016-09-10',media_type:'audio'})"
away_audio="bam.media.launchPlayer({calendar_event_id:'14-448988-2016-09-10',media_type:'audio'})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_seamlb_oakmlb_1&mode=preview&c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_seamlb_oakmlb_1&mode=preview&c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_seamlb_oakmlb_1&mode=preview&c_id=mlb" tv_station="CSCA"/>
<broadcast>
<home>
<tv>CSCA</tv>
<radio>95.7 FM The Game, KIQI 1010</radio>
</home>
<away>
<tv>ROOTNW</tv>
<radio>710 ESPN</radio>
</away>
</broadcast>
<game_media>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<media type="game" calendar_event_id="14-448988-2016-09-10"
start="2016-09-10T16:05:00-0400" title="SEA @ OAK" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/seaoak_448988_th_7_preview.jpg"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<media type="vpp" content_id="1155609883" topic_id=""
headline="Mariners' six-run inning"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/10/images/mlbf_1155609883_th_43.jpg"/>
</game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/seaoak_448988_th_7_preview.jpg</video_thumbnail>
<video_thumbnails>
<thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/seaoak_448988_th_7_preview.jpg</thumbnail>
<thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/seaoak_448988_th_37_p

```
review.jpg</thumbnail>
##      </video_thumbnails>
##    </game>
##    <game id="2016/09/10/tbamlb-nyamlb-1" venue="Yankee Stadium"
game_pk="448989" time="4:05" time_date="2016/09/10 4:05"
time_date_aw_lg="2016/09/10 4:05" time_date_hm_lg="2016/09/10 4:05"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="4:05"
away_time_zone="ET" away_ampm="PM" home_time="4:05" home_time_zone="ET"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="4:05" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="4:05"
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="3313" scheduled_innings="9"
description="" away_name_abbrev="TB" home_name_abbrev="NYY" away_code="tba"
away_file_code="tb" away_team_id="139" away_team_city="Tampa Bay"
away_team_name="Rays" away_division="E" away_league_id="103"
away_sport_code="mlb" home_code="nya" home_file_code="nyy" home_team_id="147"
home_team_city="NY Yankees" home_team_name="Yankees" home_division="E"
home_league_id="103" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="25.0"
home_games_back="9.0" away_games_back_wildcard="21.0"
home_games_back_wildcard="5.0" venue_w_chan_loc="USNY0172" location="Bronx,
NY" gameday="2016_09_10_tbamlb_nyamlb_1" away_win="59" away_loss="82"
home_win="76" home_loss="65"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_tbamlb_nyamlb_1" league="AA">

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##    <status status="Final" ind="F" reason="" inning="9" top_inning="Y" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
##    <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <inning away="0" home="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="3"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="1" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##       <r away="1" home="5" diff="4"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##       <h away="6" home="6"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##       <e away="1" home="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <hr away="1" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <sb away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <so away="6" home="11"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="596142" last="Sanchez" first="Gary"
name_display_roster="Sanchez, G" number="24" hr="1" std_hr="13" inning="6"
runners="0" team_code="nya"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="453056" last="Ellsbury" first="Jacoby"
name_display_roster="Ellsbury" number="22" hr="1" std_hr="8" inning="6"
runners="1" team_code="nya"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="435064" last="Wilson" first="Bobby"
name_display_roster="Wilson, B" number="21" hr="1" std_hr="6" inning="8"
runners="0" team_code="tba"/>
##   </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <winning_pitcher id="547888" last="Tanaka" first="Masahiro"
name_display_roster="Tanaka" number="19" era="3.04" wins="13" losses="4"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <losing_pitcher id="502042" last="Archer" first="Chris"
name_display_roster="Archer" number="22" era="4.05" wins="8" losses="18"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <save_pitcher id="" last="" first="" number="" name_display_roster=""
era="0" wins="0" losses="0" saves="0" svo="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448989-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_tbamlb_nyamlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448989-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448989-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_tbamlb_nyamlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_tbamlb_nyamlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_tbamlb_nyamlb_1&amp;mode=previ
ew&amp;c_id=mlb" tv_station="YES, MLBN (out-of-market only)"/>
##    <broadcast>
##     <home>
##      <tv>YES, MLBN (out-of-market only)</tv>
##      <radio>WFAN 660/101.9 FM, WADO 1280</radio>
##     </home>
##     <away>
##      <tv>Sun Sports (Alt.), MLBN (out-of-market only)</tv>
##      <radio>WDAE 620 AM /95.3 FM, WGES 680</radio>
##     </away>
##    </broadcast>
##    <game_media>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <media type="game" calendar_event_id="14-448989-2016-09-10"
start="2016-09-10T16:05:00-0400" title="TB @ NYY" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
```

```
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/tbanya_448989_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <media type="vpp" content_id="1155506883" topic_id="" headline="Yankees
go back-to-back"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1155506
883_th_43.jpg"/>
##     </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/tbanya_448989_th
_7_preview.jpg</video_thumbnail>
##     <video_thumbnails>
##      <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/tbanya_448989_th_7_pr
eview.jpg</thumbnail>
##      <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/tbanya_448989_th_37_p
review.jpg</thumbnail>
##     </video_thumbnails>
##    </game>
##    <game id="2016/09/10/cinmlb-pitmlb-1" venue="PNC Park" game_pk="448979"
time="7:05" time_date="2016/09/10 7:05" time_date_aw_lg="2016/09/10 7:05"
time_date_hm_lg="2016/09/10 7:05" time_zone="ET" ampm="PM" first_pitch_et=""
away_time="7:05" away_time_zone="ET" away_ampm="PM" home_time="7:05"
home_time_zone="ET" home_ampm="PM" game_type="R" tiebreaker_sw="N"
resume_date="" original_date="2016/09/10" time_zone_aw_lg="-4"
time_zone_hm_lg="-4" time_aw_lg="7:05" aw_lg_ampm="PM" tz_aw_lg_gen="ET"
time_hm_lg="7:05" hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="31"
scheduled_innings="9" description="" away_name_abbrev="CIN"
home_name_abbrev="PIT" away_code="cin" away_file_code="cin"
away_team_id="113" away_team_city="Cincinnati" away_team_name="Reds"
away_division="C" away_league_id="104" away_sport_code="mlb" home_code="pit"
home_file_code="pit" home_team_id="134" home_team_city="Pittsburgh"
home_team_name="Pirates" home_division="C" home_league_id="104"
home_sport_code="mlb" day="SAT" gameday_sw="P" double_header_sw="N"
game_nbr="1" tbd_flag="N" away_games_back="35.5" home_games_back="25.0"
away_games_back_wildcard="19.0" home_games_back_wildcard="8.5"
venue_w_chan_loc="USPA1290" location="Pittsburgh, PA"
gameday="2016_09_10_cinmlb_pitmlb_1" away_win="59" away_loss="82"
home_win="69" home_loss="71"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_cinmlb_pitmlb_1" league="NN">

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.
```

```
##    <status status="Final" ind="F" reason="" inning="9" top_inning="N" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
##    <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <inning away="0" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <inning away="0" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <inning away="4" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <inning away="3" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <inning away="0" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <inning away="0" home="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <inning away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <r away="8" home="7" diff="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <h away="15" home="10"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <e away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <hr away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <sb away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <so away="6" home="9"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <player id="458015" last="Votto" first="Joey"
name_display_roster="Votto" number="19" hr="1" std_hr="23" inning="9"
runners="0" team_code="cin"/>
```

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<player id="628356" last="Kang" first="Jung Ho"
name_display_roster="Kang" number="27" hr="1" std_hr="18" inning="3"
runners="1" team_code="pit"/>
</home_runs>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<winning_pitcher id="595001" last="Smith" first="Josh"
name_display_roster="Smith, J" number="73" era="5.21" wins="3" losses="1"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<losing_pitcher id="592866" last="Williams" first="Trevor"
name_display_roster="Williams, T" number="57" era="6.75" wins="1"
losses="1"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<save_pitcher id="571561" last="Cingrani" first="Tony" number="52"
name_display_roster="Cingrani" era="3.61" wins="2" losses="4" saves="17"
svo="22"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<links mlbtv="bam.media.launchPlayer({calendar_event_id:'14-448979-
2016-09-10',media_type:'video'})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_cinmlb_pitmlb_1&mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:'14-
448979-2016-09-10',media_type:'audio'})"
away_audio="bam.media.launchPlayer({calendar_event_id:'14-448979-2016-
09-10',media_type:'audio'})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_cinmlb_pitmlb_1&mode=
preview&c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_cinmlb_pitmlb_1&mode=
preview&c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_cinmlb_pitmlb_1&mode=previ
ew&c_id=mlb" tv_station="ROOTPIT"/>
<broadcast>
<home>
<tv>ROOTPIT</tv>

```
##        <radio>KDKA-FM 93.7</radio>
##      </home>
##      <away>
##        <tv>FS-O</tv>
##        <radio>WLW 700</radio>
##      </away>
##    </broadcast>
##    <game_media>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <media type="game" calendar_event_id="14-448979-2016-09-10"
start="2016-09-10T19:05:00-0400" title="CIN @ PIT" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/cinpit_448979_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <media type="vpp" content_id="1156584183" topic_id=""
headline="Votto&apos;s solo homer"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1156584
183_th_43.jpg"/>
##    </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/cinpit_448979_th
_7_preview.jpg</video_thumbnail>
##    <video_thumbnails>
##      <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/cinpit_448979_th_7_pr
eview.jpg</thumbnail>
##      <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/cinpit_448979_th_37_p
review.jpg</thumbnail>
##    </video_thumbnails>
##  </game>
##  <game id="2016/09/10/phimlb-wasmlb-1" venue="Nationals Park"
game_pk="448986" time="7:05" time_date="2016/09/10 7:05"
time_date_aw_lg="2016/09/10 7:05" time_date_hm_lg="2016/09/10 7:05"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="7:05"
away_time_zone="ET" away_ampm="PM" home_time="7:05" home_time_zone="ET"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="7:05" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="7:05"
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="3309" scheduled_innings="9"
description="" away_name_abbrev="PHI" home_name_abbrev="WSH" away_code="phi"
away_file_code="phi" away_team_id="143" away_team_city="Philadelphia"
```

```
away_team_name="Phillies" away_division="E" away_league_id="104"
away_sport_code="mlb" home_code="was" home_file_code="was" home_team_id="120"
home_team_city="Washington" home_team_name="Nationals" home_division="E"
home_league_id="104" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="24.0"
home_games_back="-" away_games_back_wildcard="16.0"
home_games_back_wildcard="" venue_w_chan_loc="USDC0001" location="Washington,
DC" gameday="2016_09_10_phimlb_wasmlb_1" away_win="63" away_loss="79"
home_win="84" home_loss="58"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_phimlb_wasmlb_1" league="NN">

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <status status="Final" ind="F" reason="" inning="9" top_inning="Y" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
##   <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="3"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <r away="0" home="3" diff="3"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <h away="5" home="7"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <e away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <hr away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <sb away="2" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##     <so away="8" home="10"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="547180" last="Harper" first="Bryce"
name_display_roster="Harper" number="34" hr="1" std_hr="24" inning="8"
runners="2" team_code="was"/>
##   </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <winning_pitcher id="518875" last="Kelley" first="Shawn"
name_display_roster="Kelley" number="27" era="3.04" wins="2" losses="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <losing_pitcher id="472610" last="Garcia" first="Luis"
name_display_roster="Garcia, Lu" number="57" era="7.20" wins="1" losses="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <save_pitcher id="453343" last="Melancon" first="Mark" number="43"
name_display_roster="Melancon" era="1.64" wins="2" losses="1" saves="40"
svo="43"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448986-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_phimlb_wasmlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448986-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448986-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_phimlb_wasmlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_phimlb_wasmlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_phimlb_wasmlb_1&amp;mode=previ
ew&amp;c_id=mlb" tv_station="MASN"/>
```

```
##     <broadcast>
##      <home>
##       <tv>MASN</tv>
##       <radio>106.7 The Fan</radio>
##      </home>
##      <away>
##       <tv>CSN-P</tv>
##       <radio>94 WIP</radio>
##      </away>
##     </broadcast>
##     <game_media>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <media type="game" calendar_event_id="14-448986-2016-09-10"
start="2016-09-10T19:05:00-0400" title="PHI @ WSH" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/phiwas_448986_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <media type="vpp" content_id="1156467183" topic_id=""
headline="Harper&apos;s three-run home run"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1156467
183_th_43.jpg"/>
##     </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/phiwas_448986_th
_7_preview.jpg</video_thumbnail>
##     <video_thumbnails>
##      <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/phiwas_448986_th_7_pr
eview.jpg</thumbnail>
##      <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/phiwas_448986_th_37_p
review.jpg</thumbnail>
##     </video_thumbnails>
##    </game>
##    <game id="2016/09/10/balmlb-detmlb-1" venue="Comerica Park"
game_pk="448976" time="7:10" time_date="2016/09/10 7:10"
time_date_aw_lg="2016/09/10 7:10" time_date_hm_lg="2016/09/10 7:10"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="7:10"
away_time_zone="ET" away_ampm="PM" home_time="7:10" home_time_zone="ET"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="7:10" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="7:10"
```

```
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="2394" scheduled_innings="9"
description="" away_name_abbrev="BAL" home_name_abbrev="DET" away_code="bal"
away_file_code="bal" away_team_id="110" away_team_city="Baltimore"
away_team_name="Orioles" away_division="E" away_league_id="103"
away_sport_code="mlb" home_code="det" home_file_code="det" home_team_id="116"
home_team_city="Detroit" home_team_name="Tigers" home_division="C"
home_league_id="103" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="4.0"
home_games_back="8.0" away_games_back_wildcard="-"
home_games_back_wildcard="2.5" venue_w_chan_loc="USMI0229" location="Detroit,
MI" gameday="2016_09_10_balmlb_detmlb_1" away_win="77" away_loss="64"
home_win="76" home_loss="65"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_balmlb_detmlb_1" league="AA">

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <status status="Final" ind="F" reason="" inning="9" top_inning="N" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
##   <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="3" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="3" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="3" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <r away="11" home="3" diff="8"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <h away="12" home="8"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <e away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <hr away="4" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <sb away="0" home="1"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <so away="6" home="9"/>
##    </linescore>
##    <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="448801" last="Davis" first="Chris"
name_display_roster="Davis, C" number="19" hr="1" std_hr="36" inning="1"
runners="1" team_code="bal"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="446308" last="Wieters" first="Matt"
name_display_roster="Wieters" number="32" hr="2" std_hr="14" inning="6"
runners="2" team_code="bal"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="430945" last="Jones" first="Adam"
name_display_roster="Jones, A" number="10" hr="1" std_hr="27" inning="1"
runners="0" team_code="bal"/>
##    </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <winning_pitcher id="434622" last="Jimenez" first="Ubaldo"
name_display_roster="Jimenez" number="31" era="5.98" wins="7" losses="11"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <losing_pitcher id="519455" last="Zimmermann" first="Jordan"
name_display_roster="Zimmermann" number="27" era="4.94" wins="9" losses="6"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <save_pitcher id="" last="" first="" number="" name_display_roster=""
era="0" wins="0" losses="0" saves="0" svo="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448976-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_balmlb_detmlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448976-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448976-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_balmlb_detmlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_balmlb_detmlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_balmlb_detmlb_1&amp;mode=previ
ew&amp;c_id=mlb" tv_station="FS-D, MLBN (out-of-market only)"/>
##     <broadcast>
##      <home>
##       <tv>FS-D, MLBN (out-of-market only)</tv>
##       <radio>97.1 The Ticket</radio>
##      </home>
##      <away>
##       <tv>MASN 2, MLBN (out-of-market only)</tv>
##       <radio>105.7 The Fan, Orioles Radio Network</radio>
##      </away>
##     </broadcast>
##     <game_media>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <media type="game" calendar_event_id="14-448976-2016-09-10"
start="2016-09-10T19:10:00-0400" title="BAL @ DET" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/baldet_448976_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <media type="vpp" content_id="1156702483" topic_id=""
headline="Wieters&apos; two-homer game"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1156702
483_th_43.jpg"/>
##     </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/baldet_448976_th
_7_preview.jpg</video_thumbnail>
```

```
##    <video_thumbnails>
##     <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/baldet_448976_th_7_pr
eview.jpg</thumbnail>
##     <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/baldet_448976_th_37_p
review.jpg</thumbnail>
##    </video_thumbnails>
##   </game>
##   <game id="2016/09/10/clemlb-minmlb-1" venue="Target Field"
game_pk="448980" time="7:10" time_date="2016/09/10 7:10"
time_date_aw_lg="2016/09/10 7:10" time_date_hm_lg="2016/09/10 7:10"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="7:10"
away_time_zone="ET" away_ampm="PM" home_time="6:10" home_time_zone="CT"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="7:10" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="7:10"
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="3312" scheduled_innings="9"
description="" away_name_abbrev="CLE" home_name_abbrev="MIN" away_code="cle"
away_file_code="cle" away_team_id="114" away_team_city="Cleveland"
away_team_name="Indians" away_division="C" away_league_id="103"
away_sport_code="mlb" home_code="min" home_file_code="min" home_team_id="142"
home_team_city="Minnesota" home_team_name="Twins" home_division="C"
home_league_id="103" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="-"
home_games_back="35.5" away_games_back_wildcard=""
home_games_back_wildcard="30.0" venue_w_chan_loc="USMN0503"
location="Minneapolis, MN" gameday="2016_09_10_clemlb_minmlb_1" away_win="82"
away_loss="59" home_win="53" home_loss="89"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_clemlb_minmlb_1" league="AA">

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <status status="Final" ind="F" reason="" inning="12" top_inning="N"
b="0" s="0" o="2" inning_state="" note="Two out when winning run scored."
is_perfect_game="N" is_no_hitter="N"/>
##    <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##     <inning away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <r away="1" home="2" diff="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <h away="7" home="7"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <e away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <hr away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <sb away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <so away="9" home="5"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="593934" last="Sano" first="Miguel"
name_display_roster="Sano" number="22" hr="1" std_hr="23" inning="2"
```

```
runners="0" team_code="min"/>
##    </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##    <winning_pitcher id="608638" last="Chargois" first="J.T."
name_display_roster="Chargois" number="60" era="6.60" wins="1" losses="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##    <losing_pitcher id="571572" last="Colon" first="Joseph"
name_display_roster="Colon, J" number="65" era="3.00" wins="1" losses="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##    <save_pitcher id="" last="" first="" number="" name_display_roster=""
era="0" wins="0" losses="0" saves="0" svo="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##    <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448980-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_clemlb_minmlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448980-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448980-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_clemlb_minmlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_clemlb_minmlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_clemlb_minmlb_1&amp;mode=previ
ew&amp;c_id=mlb" tv_station="FSNO"/>
##    <broadcast>
##     <home>
##      <tv>FSNO</tv>
##      <radio>Go 96.3, TIBN</radio>
##     </home>
##     <away>
##      <tv>SportsTime Ohio</tv>
##      <radio>WTAM 1100, WMMS 100.7, Indians Radio Network</radio>
##     </away>
##    </broadcast>
##    <game_media>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <media type="game" calendar_event_id="14-448980-2016-09-10"
start="2016-09-10T19:10:00-0400" title="CLE @ MIN" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/clemin_448980_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <media type="vpp" content_id="1156703583" topic_id=""
headline="Mauer&apos;s walk-off single"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1156703
583_th_43.jpg"/>
##   </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/clemin_448980_th
_7_preview.jpg</video_thumbnail>
##   <video_thumbnails>
##    <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/clemin_448980_th_7_pr
eview.jpg</thumbnail>
##    <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/clemin_448980_th_37_p
review.jpg</thumbnail>
##   </video_thumbnails>
##  </game>
##  <game id="2016/09/10/kcamlb-chamlb-1" venue="U.S. Cellular Field"
game_pk="448982" time="7:10" time_date="2016/09/10 7:10"
time_date_aw_lg="2016/09/10 7:10" time_date_hm_lg="2016/09/10 7:10"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="6:10"
away_time_zone="CT" away_ampm="PM" home_time="6:10" home_time_zone="CT"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="7:10" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="7:10"
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="4" scheduled_innings="9"
description="" away_name_abbrev="KC" home_name_abbrev="CWS" away_code="kca"
away_file_code="kc" away_team_id="118" away_team_city="Kansas City"
away_team_name="Royals" away_division="C" away_league_id="103"
away_sport_code="mlb" home_code="cha" home_file_code="cws" home_team_id="145"
home_team_city="Chi White Sox" home_team_name="White Sox" home_division="C"
home_league_id="103" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="13.5"
home_games_back="16.5" away_games_back_wildcard="8.0"
home_games_back_wildcard="11.0" venue_w_chan_loc="USIL0225"
location="Chicago, IL" gameday="2016_09_10_kcamlb_chamlb_1" away_win="73"
```

```
away_loss="68" home_win="68" home_loss="73"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_kcamlb_chamlb_1" league="AA">

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <status status="Final" ind="F" reason="" inning="9" top_inning="N" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
##    <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <inning away="2" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <inning away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <inning away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <inning away="0" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <inning away="3" home="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <r away="6" home="5" diff="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <h away="7" home="13"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <e away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <hr away="2" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <sb away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <so away="9" home="7"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##     <player id="543333" last="Hosmer" first="Eric"
name_display_roster="Hosmer" number="35" hr="1" std_hr="22" inning="1"
runners="1" team_code="kca"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="460086" last="Gordon" first="Alex"
name_display_roster="Gordon" number="4" hr="1" std_hr="15" inning="4"
runners="0" team_code="kca"/>
##     </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <winning_pitcher id="641838" last="McCarthy" first="Kevin"
name_display_roster="McCarthy, K" number="61" era="0.00" wins="1"
losses="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <losing_pitcher id="571476" last="Beck" first="Chris"
name_display_roster="Beck, C" number="54" era="7.41" wins="2" losses="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <save_pitcher id="451584" last="Davis" first="Wade" number="17"
name_display_roster="Davis, W" era="2.23" wins="1" losses="1" saves="23"
svo="26"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448982-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_kcamlb_chamlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448982-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448982-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_kcamlb_chamlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_kcamlb_chamlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_kcamlb_chamlb_1&amp;mode=previ
```

```
ew&amp;c_id=mlb" tv_station="CSN-C"/>
##     <broadcast>
##       <home>
##        <tv>CSN-C</tv>
##        <radio>WLS 890, WRTO 1200</radio>
##       </home>
##       <away>
##        <tv>FSKC</tv>
##        <radio>KCSP 610, RRN</radio>
##       </away>
##     </broadcast>
##     <game_media>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <media type="game" calendar_event_id="14-448982-2016-09-10"
start="2016-09-10T19:10:00-0400" title="KC @ CWS" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/kcacha_448982_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <media type="vpp" content_id="1156358883" topic_id=""
headline="Merrifield&apos;s go-ahead double"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1156358
883_th_43.jpg"/>
##     </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/kcacha_448982_th
_7_preview.jpg</video_thumbnail>
##     <video_thumbnails>
##       <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/kcacha_448982_th_7_pr
eview.jpg</thumbnail>
##       <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/kcacha_448982_th_37_p
review.jpg</thumbnail>
##     </video_thumbnails>
##   </game>
##   <game id="2016/09/10/lanmlb-miamlb-1" venue="Marlins Park"
game_pk="448983" time="7:10" time_date="2016/09/10 7:10"
time_date_aw_lg="2016/09/10 7:10" time_date_hm_lg="2016/09/10 7:10"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="4:10"
away_time_zone="PT" away_ampm="PM" home_time="7:10" home_time_zone="ET"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
```

```
time_aw_lg="7:10" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="7:10"
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="4169" scheduled_innings="9"
description="" away_name_abbrev="LAD" home_name_abbrev="MIA" away_code="lan"
away_file_code="la" away_team_id="119" away_team_city="LA Dodgers"
away_team_name="Dodgers" away_division="W" away_league_id="104"
away_sport_code="mlb" home_code="mia" home_file_code="mia" home_team_id="146"
home_team_city="Miami" home_team_name="Marlins" home_division="E"
home_league_id="104" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="-"
home_games_back="15.5" away_games_back_wildcard=""
home_games_back_wildcard="7.5" venue_w_chan_loc="USFL0316" location="Miami,
FL" gameday="2016_09_10_lanmlb_miamlb_1" away_win="80" away_loss="61"
home_win="70" home_loss="72"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_lanmlb_miamlb_1" league="NN">

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <status status="Final" ind="F" reason="" inning="9" top_inning="N" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
##   <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##      <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <inning away="3" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <r away="5" home="0" diff="5"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <h away="8" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <e away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##      <hr away="4" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##     <sb away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <so away="12" home="8"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <player id="457759" last="Turner" first="Justin"
name_display_roster="Turner" number="10" hr="1" std_hr="26" inning="6"
runners="0" team_code="lan"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <player id="592626" last="Pederson" first="Joc"
name_display_roster="Pederson" number="31" hr="2" std_hr="22" inning="7"
runners="0" team_code="lan"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <player id="608369" last="Seager" first="Corey"
name_display_roster="Seager, C" number="5" hr="1" std_hr="25" inning="6"
runners="1" team_code="lan"/>
##   </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <winning_pitcher id="448179" last="Hill" first="Rich"
name_display_roster="Hill, R" number="44" era="1.80" wins="12" losses="3"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <losing_pitcher id="543408" last="Koehler" first="Tom"
name_display_roster="Koehler" number="34" era="3.97" wins="9" losses="11"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##    <save_pitcher id="" last="" first="" number="" name_display_roster=""
era="0" wins="0" losses="0" saves="0" svo="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##    <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448983-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_lanmlb_miamlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448983-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448983-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_lanmlb_miamlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_lanmlb_miamlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_lanmlb_miamlb_1&amp;mode=previ
ew&amp;c_id=mlb" tv_station="FS-F"/>
##    <broadcast>
##     <home>
##      <tv>FS-F</tv>
##      <radio>610 AM WIOD, WAQI 710</radio>
##     </home>
##     <away>
##      <tv>SportsNet LA, SNLA Spanish</tv>
##      <radio>570 LA Sports, KTNQ 1020, KMPC 1540</radio>
##     </away>
##    </broadcast>
##    <game_media>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <media type="game" calendar_event_id="14-448983-2016-09-10"
start="2016-09-10T19:10:00-0400" title="LAD @ MIA" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/lanmia_448983_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <media type="vpp" content_id="1157184283" topic_id="" headline="Hill
perfect through seven"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1157184
283_th_43.jpg"/>
##    </game_media>
```

```
## <video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/lanmia_448983_th
_7_preview.jpg</video_thumbnail>
##    <video_thumbnails>
##     <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/lanmia_448983_th_7_pr
eview.jpg</thumbnail>
##     <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/lanmia_448983_th_37_p
review.jpg</thumbnail>
##    </video_thumbnails>
##   </game>
##   <game id="2016/09/10/nynmlb-atlmlb-1" venue="Turner Field"
game_pk="448985" time="7:10" time_date="2016/09/10 7:10"
time_date_aw_lg="2016/09/10 7:10" time_date_hm_lg="2016/09/10 7:10"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="7:10"
away_time_zone="ET" away_ampm="PM" home_time="7:10" home_time_zone="ET"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="7:10" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="7:10"
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="16" scheduled_innings="9"
description="" away_name_abbrev="NYM" home_name_abbrev="ATL" away_code="nyn"
away_file_code="nym" away_team_id="121" away_team_city="NY Mets"
away_team_name="Mets" away_division="E" away_league_id="104"
away_sport_code="mlb" home_code="atl" home_file_code="atl" home_team_id="144"
home_team_city="Atlanta" home_team_name="Braves" home_division="E"
home_league_id="104" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="8.0"
home_games_back="26.5" away_games_back_wildcard="-"
home_games_back_wildcard="18.5" venue_w_chan_loc="USGA0028"
location="Atlanta, GA" gameday="2016_09_10_nynmlb_atlmlb_1" away_win="75"
away_loss="67" home_win="55" home_loss="87"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_nynmlb_atlmlb_1" league="NN">

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <status status="Final" ind="F" reason="" inning="10" top_inning="N"
b="0" s="0" o="2" inning_state="" note="Two out when winning run scored."
is_perfect_game="N" is_no_hitter="N"/>
##    <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="2" home="1"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="1"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <r away="3" home="4" diff="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <h away="7" home="8"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <e away="0" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <hr away="1" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <sb away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <so away="4" home="7"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="493316" last="Cespedes" first="Yoenis"
name_display_roster="Cespedes" number="52" hr="1" std_hr="29" inning="5"
runners="0" team_code="nyn"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="455976" last="Markakis" first="Nick"
name_display_roster="Markakis" number="22" hr="1" std_hr="10" inning="4"
runners="0" team_code="atl"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="461314" last="Kemp" first="Matt" name_display_roster="Kemp,
M" number="27" hr="1" std_hr="30" inning="6" runners="0" team_code="atl"/>
##     </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <winning_pitcher id="519437" last="Withrow" first="Chris"
name_display_roster="Withrow" number="51" era="3.53" wins="3" losses="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <losing_pitcher id="592340" last="Goeddel" first="Erik"
name_display_roster="Goeddel" number="62" era="4.80" wins="1" losses="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <save_pitcher id="" last="" first="" number="" name_display_roster=""
era="0" wins="0" losses="0" saves="0" svo="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448985-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_nynmlb_atlmlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448985-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448985-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_nynmlb_atlmlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_nynmlb_atlmlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_nynmlb_atlmlb_1&amp;mode=previ
ew&amp;c_id=mlb" tv_station="FSSO"/>
##     <broadcast>
##       <home>
##         <tv>FSSO</tv>
##         <radio>680 AM/93.7 FM, WYAY 106.7, Braves Radio Network</radio>
##       </home>
##       <away>
```

```
##      <tv>WPIX</tv>
##      <radio>710 WOR, ESPN Deportes 1050</radio>
##     </away>
##    </broadcast>
##    <game_media>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <media type="game" calendar_event_id="14-448985-2016-09-10"
start="2016-09-10T19:10:00-0400" title="NYM @ ATL" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/nynatl_448985_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <media type="vpp" content_id="1156665683" topic_id=""
headline="Garcia&apos;s game-winning RBI single"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1156665
683_th_43.jpg"/>
##    </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/nynatl_448985_th
_7_preview.jpg</video_thumbnail>
##    <video_thumbnails>
##     <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/nynatl_448985_th_7_pr
eview.jpg</thumbnail>
##     <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/nynatl_448985_th_37_p
review.jpg</thumbnail>
##    </video_thumbnails>
##   </game>
##   <game id="2016/09/10/milmlb-slnmlb-1" venue="Busch Stadium"
game_pk="448984" time="7:15" time_date="2016/09/10 7:15"
time_date_aw_lg="2016/09/10 7:15" time_date_hm_lg="2016/09/10 7:15"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="6:15"
away_time_zone="CT" away_ampm="PM" home_time="6:15" home_time_zone="CT"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="7:15" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="7:15"
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="2889" scheduled_innings="9"
description="" away_name_abbrev="MIL" home_name_abbrev="STL" away_code="mil"
away_file_code="mil" away_team_id="158" away_team_city="Milwaukee"
away_team_name="Brewers" away_division="C" away_league_id="104"
away_sport_code="mlb" home_code="sln" home_file_code="stl" home_team_id="138"
home_team_city="St. Louis" home_team_name="Cardinals" home_division="C"
```

```
home_league_id="104" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="30.5"
home_games_back="17.5" away_games_back_wildcard="14.0"
home_games_back_wildcard="1.0" venue_w_chan_loc="USMO0787" location="St.
Louis, MO" gameday="2016_09_10_milmlb_slnmlb_1" away_win="63" away_loss="79"
home_win="75" home_loss="66"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_milmlb_slnmlb_1" league="NN">

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <status status="Final" ind="F" reason="" inning="9" top_inning="Y" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
##   <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="5"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <r away="1" home="5" diff="4"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <h away="6" home="8"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <e away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <hr away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <sb away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##     <so away="7" home="8"/>
##    </linescore>
##    <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <player id="542979" last="Broxton" first="Keon"
name_display_roster="Broxton, K" number="23" hr="1" std_hr="7" inning="5"
runners="0" team_code="mil"/>
##    </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##    <winning_pitcher id="425794" last="Wainwright" first="Adam"
name_display_roster="Wainwright" number="50" era="4.45" wins="11"
losses="8"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##    <losing_pitcher id="608349" last="Knebel" first="Corey"
name_display_roster="Knebel" number="46" era="6.00" wins="1" losses="3"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##    <save_pitcher id="" last="" first="" number="" name_display_roster=""
era="0" wins="0" losses="0" saves="0" svo="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##    <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448984-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_milmlb_slnmlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448984-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448984-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_milmlb_slnmlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_milmlb_slnmlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_milmlb_slnmlb_1&amp;mode=previ
ew&amp;c_id=mlb" tv_station="FS-M"/>
```

```
##     <broadcast>
##      <home>
##       <tv>FS-M</tv>
##       <radio>KMOX 1120, CRN</radio>
##      </home>
##      <away>
##       <tv>FSWI</tv>
##       <radio>WTMJ 620, Brewers Radio Network</radio>
##      </away>
##     </broadcast>
##     <game_media>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <media type="game" calendar_event_id="14-448984-2016-09-10"
start="2016-09-10T19:15:00-0400" title="MIL @ STL" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/milsln_448984_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##      <media type="vpp" content_id="1157046083" topic_id=""
headline="Wainwright earns win No. 11"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1157046
083_th_43.jpg"/>
##     </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/milsln_448984_th
_7_preview.jpg</video_thumbnail>
##     <video_thumbnails>
##      <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/milsln_448984_th_7_pr
eview.jpg</thumbnail>
##      <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/milsln_448984_th_37_p
review.jpg</thumbnail>
##     </video_thumbnails>
##    </game>
##    <game id="2016/09/10/sfnmlb-arimlb-1" venue="Chase Field"
game_pk="448987" time="8:10" time_date="2016/09/10 8:10"
time_date_aw_lg="2016/09/10 8:10" time_date_hm_lg="2016/09/10 8:10"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="5:10"
away_time_zone="PT" away_ampm="PM" home_time="5:10" home_time_zone="MST"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="8:10" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="8:10"
```

```
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="15" scheduled_innings="9"
description="" away_name_abbrev="SF" home_name_abbrev="ARI" away_code="sfn"
away_file_code="sf" away_team_id="137" away_team_city="San Francisco"
away_team_name="Giants" away_division="W" away_league_id="104"
away_sport_code="mlb" home_code="ari" home_file_code="ari" home_team_id="109"
home_team_city="Arizona" home_team_name="D-backs" home_division="W"
home_league_id="104" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="4.0"
home_games_back="22.0" away_games_back_wildcard="-"
home_games_back_wildcard="18.0" venue_w_chan_loc="USAZ0166"
location="Phoenix, AZ" gameday="2016_09_10_sfnmlb_arimlb_1" away_win="76"
away_loss="65" home_win="58" home_loss="83"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_sfnmlb_arimlb_1" league="NN">

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <status status="Final" ind="F" reason="" inning="9" top_inning="N" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
##   <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="4" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="2" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="4" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <r away="11" home="3" diff="8"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <h away="19" home="5"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <e away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <hr away="1" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <sb away="1" home="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <so away="8" home="8"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="598284" last="O&apos;Brien" first="Peter"
name_display_roster="O&apos;Brien" number="14" hr="1" std_hr="5" inning="3"
runners="0" team_code="ari"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="452254" last="Pence" first="Hunter"
name_display_roster="Pence" number="8" hr="1" std_hr="11" inning="7"
runners="0" team_code="sfn"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="630111" last="Tomas" first="Yasmany"
name_display_roster="Tomas" number="24" hr="1" std_hr="28" inning="9"
runners="0" team_code="ari"/>
##   </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <winning_pitcher id="456501" last="Cueto" first="Johnny"
name_display_roster="Cueto" number="47" era="2.90" wins="15" losses="5"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <losing_pitcher id="605151" last="Bradley" first="Archie"
name_display_roster="Bradley, A" number="25" era="5.10" wins="6" losses="9"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <save_pitcher id="" last="" first="" number="" name_display_roster=""
era="0" wins="0" losses="0" saves="0" svo="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448987-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_sfnmlb_arimlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448987-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448987-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_sfnmlb_arimlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_sfnmlb_arimlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_sfnmlb_arimlb_1&amp;mode=previ
ew&amp;c_id=mlb" tv_station="FS-A"/>
##   <broadcast>
##     <home>
##       <tv>FS-A</tv>
##       <radio>Arizona Sports 98.7 FM, KSUN La Mejor 1400</radio>
##     </home>
##     <away>
##       <tv>CSBA</tv>
##       <radio>KNBR 680</radio>
##     </away>
##   </broadcast>
##   <game_media>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <media type="game" calendar_event_id="14-448987-2016-09-10"
start="2016-09-10T20:10:00-0400" title="SF @ ARI" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/sfnari_448987_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <media type="vpp" content_id="1156514683" topic_id=""
headline="Pence&apos;s solo homer"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1156514
683_th_43.jpg"/>
##   </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/sfnari_448987_th
_7_preview.jpg</video_thumbnail>
```

```
##     <video_thumbnails>
##       <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/sfnari_448987_th_7_pr
eview.jpg</thumbnail>
##       <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/sfnari_448987_th_37_p
review.jpg</thumbnail>
##     </video_thumbnails>
##   </game>
##   <game id="2016/09/10/colmlb-sdnmlb-1" venue="Petco Park" game_pk="448981"
time="8:40" time_date="2016/09/10 8:40" time_date_aw_lg="2016/09/10 8:40"
time_date_hm_lg="2016/09/10 8:40" time_zone="ET" ampm="PM" first_pitch_et=""
away_time="6:40" away_time_zone="MT" away_ampm="PM" home_time="5:40"
home_time_zone="PT" home_ampm="PM" game_type="R" tiebreaker_sw="N"
resume_date="" original_date="2016/09/10" time_zone_aw_lg="-4"
time_zone_hm_lg="-4" time_aw_lg="8:40" aw_lg_ampm="PM" tz_aw_lg_gen="ET"
time_hm_lg="8:40" hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="2680"
scheduled_innings="9" description="" away_name_abbrev="COL"
home_name_abbrev="SD" away_code="col" away_file_code="col" away_team_id="115"
away_team_city="Colorado" away_team_name="Rockies" away_division="W"
away_league_id="104" away_sport_code="mlb" home_code="sdn"
home_file_code="sd" home_team_id="135" home_team_city="San Diego"
home_team_name="Padres" home_division="W" home_league_id="104"
home_sport_code="mlb" day="SAT" gameday_sw="P" double_header_sw="N"
game_nbr="1" tbd_flag="N" away_games_back="16.0" home_games_back="23.0"
away_games_back_wildcard="12.0" home_games_back_wildcard="19.0"
venue_w_chan_loc="USCA0982" location="San Diego, CA"
gameday="2016_09_10_colmlb_sdnmlb_1" away_win="68" away_loss="74"
home_win="59" home_loss="83"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_colmlb_sdnmlb_1" league="NN">

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <status status="Final" ind="F" reason="" inning="9" top_inning="Y" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
##     <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##       <inning away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##       <inning away="0" home="5"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="3" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <r away="3" home="6" diff="3"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <h away="4" home="8"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <e away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <hr away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <sb away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <so away="5" home="11"/>
##   </linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <winning_pitcher id="543184" last="Friedrich" first="Christian"
name_display_roster="Friedrich" number="53" era="4.67" wins="5" losses="10"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <losing_pitcher id="592351" last="Gray" first="Jon"
name_display_roster="Gray, J" number="55" era="4.69" wins="9" losses="8"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <save_pitcher id="543506" last="Maurer" first="Brandon" number="37"
name_display_roster="Maurer" era="4.65" wins="0" losses="4" saves="9"
svo="14"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448981-
2016-09-10&apos;,media_type:&apos;video&apos;})"
```

wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_colmlb_sdnmlb_1&mode=wrap&c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:'14-448981-2016-09-10',media_type:'audio'})"
away_audio="bam.media.launchPlayer({calendar_event_id:'14-448981-2016-09-10',media_type:'audio'})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_colmlb_sdnmlb_1&mode=preview&c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_colmlb_sdnmlb_1&mode=preview&c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_colmlb_sdnmlb_1&mode=preview&c_id=mlb" tv_station="FSSD, FOX Deportes San Diego"/>
<broadcast>
<home>
<tv>FSSD, FOX Deportes San Diego</tv>
<radio>XPRS 1090, XEMO 860</radio>
</home>
<away>
<tv>ROOTRM</tv>
<radio>KOA 850 AM</radio>
</away>
</broadcast>
<game_media>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<media type="game" calendar_event_id="14-448981-2016-09-10"
start="2016-09-10T20:40:00-0400" title="COL @ SD" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/colsdn_448981_th_7_preview.jpg"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<media type="vpp" content_id="1156618783" topic_id=""
headline="Friedrich's 10th strikeout"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1156618783_th_43.jpg"/>
</game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/colsdn_448981_th_7_preview.jpg</video_thumbnail>
<video_thumbnails>
<thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/colsdn_448981_th_7_preview.jpg</thumbnail>
<thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/colsdn_448981_th_37_p

review.jpg</thumbnail>
</video_thumbnails>
</game>
<game id="2016/09/10/texmlb-anamlb-1" venue="Angel Stadium of Anaheim"
game_pk="448990" time="9:05" time_date="2016/09/10 9:05"
time_date_aw_lg="2016/09/10 9:05" time_date_hm_lg="2016/09/10 9:05"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="8:05"
away_time_zone="CT" away_ampm="PM" home_time="6:05" home_time_zone="PT"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="9:05" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="9:05"
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="1" scheduled_innings="9"
description="" away_name_abbrev="TEX" home_name_abbrev="LAA" away_code="tex"
away_file_code="tex" away_team_id="140" away_team_city="Texas"
away_team_name="Rangers" away_division="W" away_league_id="103"
away_sport_code="mlb" home_code="ana" home_file_code="ana" home_team_id="108"
home_team_city="LA Angels" home_team_name="Angels" home_division="W"
home_league_id="103" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="-"
home_games_back="21.0" away_games_back_wildcard=""
home_games_back_wildcard="15.0" venue_w_chan_loc="USCA0027"
location="Anaheim, CA" gameday="2016_09_10_texmlb_anamlb_1" away_win="85"
away_loss="58" home_win="62" home_loss="79"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_texmlb_anamlb_1" league="AA">

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<status status="Final" ind="F" reason="" inning="9" top_inning="N" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
<linescore>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<inning away="2" home="0"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<inning away="0" home="0"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<inning away="0" home="1"/>

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="2" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="0" home="3"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="3" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <r away="8" home="5" diff="3"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <h away="12" home="9"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <e away="1" home="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <hr away="3" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <sb away="0" home="3"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <so away="8" home="8"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="594777" last="Calhoun" first="Kole"
name_display_roster="Calhoun" number="56" hr="1" std_hr="17" inning="7"
runners="1" team_code="ana"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="518960" last="Lucroy" first="Jonathan"
name_display_roster="Lucroy" number="25" hr="1" std_hr="23" inning="8"
runners="1" team_code="tex"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <player id="460576" last="Gomez" first="Carlos"
name_display_roster="Gomez" number="14" hr="2" std_hr="9" inning="4"
runners="1" team_code="tex"/>
##   </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <winning_pitcher id="489294" last="Scheppers" first="Tanner"
name_display_roster="Scheppers" number="52" era="0.00" wins="1" losses="0"/>
```

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<losing_pitcher id="572308" last="Valdez" first="Jose"
name_display_roster="Valdez, Jo" number="32" era="3.45" wins="1" losses="2"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<save_pitcher id="473879" last="Dyson" first="Sam" number="47"
name_display_roster="Dyson, S" era="2.56" wins="1" losses="2" saves="34"
svo="38"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<links mlbtv="bam.media.launchPlayer({calendar_event_id:'14-448990-
2016-09-10',media_type:'video'})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_texmlb_anamlb_1&mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:'14-
448990-2016-09-10',media_type:'audio'})"
away_audio="bam.media.launchPlayer({calendar_event_id:'14-448990-2016-
09-10',media_type:'audio'})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_texmlb_anamlb_1&mode=
preview&c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_texmlb_anamlb_1&mode=
preview&c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_texmlb_anamlb_1&mode=previ
ew&c_id=mlb" tv_station="FS-W"/>
<broadcast>
<home>
<tv>FS-W</tv>
<radio>KLAA 830, KWKW 1330</radio>
</home>
<away>
<tv>FSSW</tv>
<radio>105.3 The Fan, 1540am ESPN Deportes</radio>
</away>
</broadcast>
<game_media>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<media type="game" calendar_event_id="14-448990-2016-09-10"
start="2016-09-10T21:05:00-0400" title="TEX @ LAA" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"

```
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/texana_448990_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##     <media type="vpp" content_id="1157047783" topic_id=""
headline="Lucroy&apos;s go-ahead two-run homer"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1157047
783_th_43.jpg"/>
##   </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/texana_448990_th
_7_preview.jpg</video_thumbnail>
##   <video_thumbnails>
##     <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/texana_448990_th_7_pr
eview.jpg</thumbnail>
##     <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/texana_448990_th_37_p
review.jpg</thumbnail>
##   </video_thumbnails>
##  </game>
## </games>

## NULL
```

```r
xmlName(xmltop) #give name of node
```

```
## [1] "games"
```

```r
xmlSize(xmltop) #how many children in node
```

```
## [1] 15
```

```r
xmlName(xmltop[[1]]) #name of root's children
```

```
## [1] "game"
```

```r
print(xmltop[[1]])
```

```
## <game id="2016/09/10/bosmlb-tormlb-1" venue="Rogers Centre"
game_pk="448977" time="1:05" time_date="2016/09/10 1:05"
time_date_aw_lg="2016/09/10 1:05" time_date_hm_lg="2016/09/10 1:05"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="1:05"
away_time_zone="ET" away_ampm="PM" home_time="1:05" home_time_zone="ET"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="1:05" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="1:05"
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="14" scheduled_innings="9"
description="" away_name_abbrev="BOS" home_name_abbrev="TOR" away_code="bos"
```

```
away_file_code="bos" away_team_id="111" away_team_city="Boston"
away_team_name="Red Sox" away_division="E" away_league_id="103"
away_sport_code="mlb" home_code="tor" home_file_code="tor" home_team_id="141"
home_team_city="Toronto" home_team_name="Blue Jays" home_division="E"
home_league_id="103" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="-"
home_games_back="4.0" away_games_back_wildcard="" home_games_back_wildcard="-
" venue_w_chan_loc="CAXX0504" location="Toronto, Canada"
gameday="2016_09_10_bosmlb_tormlb_1" away_win="79" away_loss="62"
home_win="78" home_loss="63"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_bosmlb_tormlb_1" league="AA">
```

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<status status="Final" ind="F" reason="" inning="9" top_inning="Y" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
<linescore>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<inning away="0" home="0"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<inning away="0" home="2"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<inning away="0" home="1"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<inning away="0" home="0"/>

Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
Consider 'structure(list(), *)' instead.

<inning away="0" home="0"/>

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <inning away="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <r away="2" home="3" diff="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <h away="4" home="6"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <e away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <hr away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <sb away="1" home="1"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <so away="8" home="8"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <player id="425834" last="Upton" first="Melvin"
name_display_roster="Upton Jr." number="7" hr="1" std_hr="20" inning="2"
runners="1" team_code="tor"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <player id="456030" last="Pedroia" first="Dustin"
name_display_roster="Pedroia" number="15" hr="1" std_hr="13" inning="6"
runners="0" team_code="bos"/>
##   </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##  <winning_pitcher id="457918" last="Happ" first="J.A."
name_display_roster="Happ" number="33" era="3.33" wins="18" losses="4"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##  <losing_pitcher id="593958" last="Rodriguez" first="Eduardo"
name_display_roster="Rodriguez, E" number="52" era="4.70" wins="2"
losses="7"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##  <save_pitcher id="532077" last="Osuna" first="Roberto" number="54"
name_display_roster="Osuna" era="2.36" wins="2" losses="2" saves="31"
svo="34"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##   <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448977-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_bosmlb_tormlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448977-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448977-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_bosmlb_tormlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_bosmlb_tormlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_bosmlb_tormlb_1&amp;mode=previ
ew&amp;c_id=mlb" tv_station="FOX"/>
##   <broadcast>
##     <home>
##      <tv>FOX</tv>
##      <radio>SN590</radio>
##     </home>
##     <away>
##      <tv>FOX</tv>
##      <radio>WEEI 93.7, WCCM 1110 AM</radio>
##     </away>
##   </broadcast>
##   <game_media>

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##    <media type="game" calendar_event_id="14-448977-2016-09-10" start="2016-
09-10T13:05:00-0400" title="BOS @ TOR" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th_7_pre
view.jpg"/>

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##    <media type="vpp" content_id="1154983783" topic_id="" headline="Upton
Jr.&apos;s two-run home run"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/10/images/mlbf_1154983
783_th_43.jpg"/>
##   </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th
_7_preview.jpg</video_thumbnail>
##   <video_thumbnails>
##    <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th_7_pr
eview.jpg</thumbnail>
```

```
##    <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th_37_p
review.jpg</thumbnail>
##   </video_thumbnails>
## </game>

gameNodes <- getNodeSet(xmltop,"//game")

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head(gameNodes,2)

## [[1]]
## <game id="2016/09/10/bosmlb-tormlb-1" venue="Rogers Centre"
game_pk="448977" time="1:05" time_date="2016/09/10 1:05"
time_date_aw_lg="2016/09/10 1:05" time_date_hm_lg="2016/09/10 1:05"
```

```
time_zone="ET" ampm="PM" first_pitch_et="" away_time="1:05"
away_time_zone="ET" away_ampm="PM" home_time="1:05" home_time_zone="ET"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="1:05" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="1:05"
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="14" scheduled_innings="9"
description="" away_name_abbrev="BOS" home_name_abbrev="TOR" away_code="bos"
away_file_code="bos" away_team_id="111" away_team_city="Boston"
away_team_name="Red Sox" away_division="E" away_league_id="103"
away_sport_code="mlb" home_code="tor" home_file_code="tor" home_team_id="141"
home_team_city="Toronto" home_team_name="Blue Jays" home_division="E"
home_league_id="103" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="-"
home_games_back="4.0" away_games_back_wildcard="" home_games_back_wildcard="-
" venue_w_chan_loc="CAXX0504" location="Toronto, Canada"
gameday="2016_09_10_bosmlb_tormlb_1" away_win="79" away_loss="62"
home_win="78" home_loss="63"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_bosmlb_tormlb_1" league="AA">

## Warning in structure(x$children, class = "XMLNodeList"): Calling
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##   Consider 'structure(list(), *)' instead.

##  <status status="Final" ind="F" reason="" inning="9" top_inning="Y" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
##  <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <inning away="0" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <inning away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <inning away="0" home="0"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
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##   Consider 'structure(list(), *)' instead.

##   <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
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##   Consider 'structure(list(), *)' instead.

##   <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
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##   <inning away="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
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##   <r away="2" home="3" diff="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
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##   Consider 'structure(list(), *)' instead.

##   <h away="4" home="6"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
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##   Consider 'structure(list(), *)' instead.

##   <e away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
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##   <hr away="1" home="1"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
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##    Consider 'structure(list(), *)' instead.

##    <sb away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##    <so away="8" home="8"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##    <player id="425834" last="Upton" first="Melvin"
name_display_roster="Upton Jr." number="7" hr="1" std_hr="20" inning="2"
runners="1" team_code="tor"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
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##    <player id="456030" last="Pedroia" first="Dustin"
name_display_roster="Pedroia" number="15" hr="1" std_hr="13" inning="6"
runners="0" team_code="bos"/>
##   </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
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##   <winning_pitcher id="457918" last="Happ" first="J.A."
name_display_roster="Happ" number="33" era="3.33" wins="18" losses="4"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
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##   <losing_pitcher id="593958" last="Rodriguez" first="Eduardo"
name_display_roster="Rodriguez, E" number="52" era="4.70" wins="2"
losses="7"/>

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##   <save_pitcher id="532077" last="Osuna" first="Roberto" number="54"
name_display_roster="Osuna" era="2.36" wins="2" losses="2" saves="31"
svo="34"/>
```

```
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##   Consider 'structure(list(), *)' instead.

##   <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448977-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_bosmlb_tormlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448977-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448977-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_bosmlb_tormlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_bosmlb_tormlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_bosmlb_tormlb_1&amp;mode=previ
ew&amp;c_id=mlb" tv_station="FOX"/>
##   <broadcast>
##     <home>
##       <tv>FOX</tv>
##       <radio>SN590</radio>
##     </home>
##     <away>
##       <tv>FOX</tv>
##       <radio>WEEI 93.7, WCCM 1110 AM</radio>
##     </away>
##   </broadcast>
##   <game_media>

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##   Consider 'structure(list(), *)' instead.

##     <media type="game" calendar_event_id="14-448977-2016-09-10" start="2016-
09-10T13:05:00-0400" title="BOS @ TOR" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th_7_pre
view.jpg"/>

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##     <media type="vpp" content_id="1154983783" topic_id="" headline="Upton
Jr.&apos;s two-run home run"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/10/images/mlbf_1154983
783_th_43.jpg"/>
##   </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th
_7_preview.jpg</video_thumbnail>
```

```
##   <video_thumbnails>
##    <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th_7_pr
eview.jpg</thumbnail>
##    <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th_37_p
review.jpg</thumbnail>
##   </video_thumbnails>
## </game>
##
## [[2]]
## <game id="2016/09/10/chnmlb-houmlb-1" venue="Minute Maid Park"
game_pk="448978" time="1:05" time_date="2016/09/10 1:05"
time_date_aw_lg="2016/09/10 1:05" time_date_hm_lg="2016/09/10 1:05"
time_zone="ET" ampm="PM" first_pitch_et="" away_time="12:05"
away_time_zone="CT" away_ampm="PM" home_time="12:05" home_time_zone="CT"
home_ampm="PM" game_type="R" tiebreaker_sw="N" resume_date=""
original_date="2016/09/10" time_zone_aw_lg="-4" time_zone_hm_lg="-4"
time_aw_lg="1:05" aw_lg_ampm="PM" tz_aw_lg_gen="ET" time_hm_lg="1:05"
hm_lg_ampm="PM" tz_hm_lg_gen="ET" venue_id="2392" scheduled_innings="9"
description="" away_name_abbrev="CHC" home_name_abbrev="HOU" away_code="chn"
away_file_code="chc" away_team_id="112" away_team_city="Chi Cubs"
away_team_name="Cubs" away_division="C" away_league_id="104"
away_sport_code="mlb" home_code="hou" home_file_code="hou" home_team_id="117"
home_team_city="Houston" home_team_name="Astros" home_division="W"
home_league_id="103" home_sport_code="mlb" day="SAT" gameday_sw="P"
double_header_sw="N" game_nbr="1" tbd_flag="N" away_games_back="-"
home_games_back="11.0" away_games_back_wildcard=""
home_games_back_wildcard="5.0" venue_w_chan_loc="USTX0617" location="Houston,
TX" gameday="2016_09_10_chnmlb_houmlb_1" away_win="90" away_loss="51"
home_win="75" home_loss="67"
game_data_directory="/components/game/mlb/year_2016/month_09/day_10/gid_2016_
09_10_chnmlb_houmlb_1" league="NA">

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'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##   <status status="Final" ind="F" reason="" inning="9" top_inning="Y" b="0"
s="0" o="3" inning_state="" note="" is_perfect_game="N" is_no_hitter="N"/>
##   <linescore>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <inning away="0" home="2"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <inning away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <inning away="0" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <inning away="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <r away="1" home="2" diff="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.
```

```
##     <h away="2" home="5"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <e away="1" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <hr away="0" home="1"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <sb away="1" home="0"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <so away="8" home="12"/>
##   </linescore>
##   <home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##     <player id="608324" last="Bregman" first="Alex"
name_display_roster="Bregman" number="2" hr="1" std_hr="8" inning="3"
runners="0" team_code="hou"/>
##   </home_runs>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##   <winning_pitcher id="543521" last="McHugh" first="Collin"
name_display_roster="McHugh" number="31" era="4.86" wins="10" losses="10"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##    Consider 'structure(list(), *)' instead.

##   <losing_pitcher id="407793" last="Lackey" first="John"
name_display_roster="Lackey" number="41" era="3.35" wins="9" losses="8"/>
```

```
## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##  <save_pitcher id="571704" last="Giles" first="Ken" number="53"
name_display_roster="Giles" era="3.51" wins="2" losses="3" saves="10"
svo="13"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##  <links mlbtv="bam.media.launchPlayer({calendar_event_id:&apos;14-448978-
2016-09-10&apos;,media_type:&apos;video&apos;})"
wrapup="/mlb/gameday/index.jsp?gid=2016_09_10_chnmlb_houmlb_1&amp;mode=wrap&a
mp;c_id=mlb" home_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-
448978-2016-09-10&apos;,media_type:&apos;audio&apos;})"
away_audio="bam.media.launchPlayer({calendar_event_id:&apos;14-448978-2016-
09-10&apos;,media_type:&apos;audio&apos;})"
home_preview="/mlb/gameday/index.jsp?gid=2016_09_10_chnmlb_houmlb_1&amp;mode=
preview&amp;c_id=mlb"
away_preview="/mlb/gameday/index.jsp?gid=2016_09_10_chnmlb_houmlb_1&amp;mode=
preview&amp;c_id=mlb"
preview="/mlb/gameday/index.jsp?gid=2016_09_10_chnmlb_houmlb_1&amp;mode=previ
ew&amp;c_id=mlb" tv_station="FOX"/>
##  <broadcast>
##    <home>
##     <tv>FOX</tv>
##     <radio>KBME 790, La Nueva 94.1 FM</radio>
##    </home>
##    <away>
##     <tv>FOX</tv>
##     <radio>670 The Score</radio>
##    </away>
##  </broadcast>
##  <game_media>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.

##    <media type="game" calendar_event_id="14-448978-2016-09-10" start="2016-
09-10T13:05:00-0400" title="CHC @ HOU" has_mlbtv="true" free="NO"
enhanced="N" media_state="media_archive"
thumbnail="http://mediadownloads.mlb.com/mlbam/preview/chnhou_448978_th_7_pre
view.jpg"/>

## Warning in structure(x$children, class = "XMLNodeList"): Calling
'structure(NULL, *)' is deprecated, as NULL cannot have attributes.
##   Consider 'structure(list(), *)' instead.
```

```
##    <media type="vpp" content_id="1155125783" topic_id="" headline="Giles
nails down the save"
thumbnail="http://mediadownloads.mlb.com/mlbam/2016/09/11/images/mlbf_1155125
783_th_43.jpg"/>
##   </game_media>
##
<video_thumbnail>http://mediadownloads.mlb.com/mlbam/preview/chnhou_448978_th
_7_preview.jpg</video_thumbnail>
##   <video_thumbnails>
##    <thumbnail scenario="7" width="124"
height="70">http://mediadownloads.mlb.com/mlbam/preview/chnhou_448978_th_7_pr
eview.jpg</thumbnail>
##    <thumbnail scenario="37" width="160"
height="90">http://mediadownloads.mlb.com/mlbam/preview/chnhou_448978_th_37_p
review.jpg</thumbnail>
##   </video_thumbnails>
## </game>

game.id<- xmlGetAttr(xmltop[[2]], "id")
game.id

## [1] "2016/09/10/chnmlb-houmlb-1"

game.venue<- xmlGetAttr(xmltop[[2]], "venue")
game.venue

## [1] "Minute Maid Park"

class(xmltop[[2]])

## [1] "XMLNode"          "RXMLAbstractNode" "XMLAbstractNode"
## [4] "oldClass"

class(gameNodes)

## [1] "list"

gameValues <- sapply(gameNodes,xmlValue)
gameValues

##  [1] "FOXSN590FOXWEEI 93.7, WCCM 1110
AMhttp://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th_7_preview.jpgh
ttp://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th_7_preview.jpghttp
://mediadownloads.mlb.com/mlbam/preview/bostor_448977_th_37_preview.jpg"
##  [2] "FOXKBME 790, La Nueva 94.1 FMFOX670 The
Scorehttp://mediadownloads.mlb.com/mlbam/preview/chnhou_448978_th_7_preview.j
pghttp://mediadownloads.mlb.com/mlbam/preview/chnhou_448978_th_7_preview.jpgh
ttp://mediadownloads.mlb.com/mlbam/preview/chnhou_448978_th_37_preview.jpg"
##  [3] "CSCA95.7 FM The Game, KIQI 1010ROOTNW710
ESPNhttp://mediadownloads.mlb.com/mlbam/preview/seaoak_448988_th_7_preview.jp
ghttp://mediadownloads.mlb.com/mlbam/preview/seaoak_448988_th_7_preview.jpght
tp://mediadownloads.mlb.com/mlbam/preview/seaoak_448988_th_37_preview.jpg"
```

```
##  [4] "YES, MLBN (out-of-market only)WFAN 660/101.9 FM, WADO 1280Sun Sports
(Alt.), MLBN (out-of-market only)WDAE 620 AM /95.3 FM, WGES
680http://mediadownloads.mlb.com/mlbam/preview/tbanya_448989_th_7_preview.jpg
http://mediadownloads.mlb.com/mlbam/preview/tbanya_448989_th_7_preview.jpghtt
p://mediadownloads.mlb.com/mlbam/preview/tbanya_448989_th_37_preview.jpg"
##  [5] "ROOTPITKDKA-FM 93.7FS-OWLW
700http://mediadownloads.mlb.com/mlbam/preview/cinpit_448979_th_7_preview.jpg
http://mediadownloads.mlb.com/mlbam/preview/cinpit_448979_th_7_preview.jpghtt
p://mediadownloads.mlb.com/mlbam/preview/cinpit_448979_th_37_preview.jpg"
##  [6] "MASN106.7 The FanCSN-P94
WIPhttp://mediadownloads.mlb.com/mlbam/preview/phiwas_448986_th_7_preview.jpg
http://mediadownloads.mlb.com/mlbam/preview/phiwas_448986_th_7_preview.jpghtt
p://mediadownloads.mlb.com/mlbam/preview/phiwas_448986_th_37_preview.jpg"
##  [7] "FS-D, MLBN (out-of-market only)97.1 The TicketMASN 2, MLBN (out-of-
market only)105.7 The Fan, Orioles Radio
Networkhttp://mediadownloads.mlb.com/mlbam/preview/baldet_448976_th_7_preview
.jpghttp://mediadownloads.mlb.com/mlbam/preview/baldet_448976_th_7_preview.jp
ghttp://mediadownloads.mlb.com/mlbam/preview/baldet_448976_th_37_preview.jpg"
##  [8] "FSNOGo 96.3, TIBNSportsTime OhioWTAM 1100, WMMS 100.7, Indians Radio
Networkhttp://mediadownloads.mlb.com/mlbam/preview/clemin_448980_th_7_preview
.jpghttp://mediadownloads.mlb.com/mlbam/preview/clemin_448980_th_7_preview.jp
ghttp://mediadownloads.mlb.com/mlbam/preview/clemin_448980_th_37_preview.jpg"
##  [9] "CSN-CWLS 890, WRTO 1200FSKCKCSP 610,
RRNhttp://mediadownloads.mlb.com/mlbam/preview/kcacha_448982_th_7_preview.jpg
http://mediadownloads.mlb.com/mlbam/preview/kcacha_448982_th_7_preview.jpghtt
p://mediadownloads.mlb.com/mlbam/preview/kcacha_448982_th_37_preview.jpg"
## [10] "FS-F610 AM WIOD, WAQI 710SportsNet LA, SNLA Spanish570 LA Sports,
KTNQ 1020, KMPC
1540http://mediadownloads.mlb.com/mlbam/preview/lanmia_448983_th_7_preview.jp
ghttp://mediadownloads.mlb.com/mlbam/preview/lanmia_448983_th_7_preview.jpght
tp://mediadownloads.mlb.com/mlbam/preview/lanmia_448983_th_37_preview.jpg"
## [11] "FSSO680 AM/93.7 FM, WYAY 106.7, Braves Radio NetworkWPIX710 WOR,
ESPN Deportes
1050http://mediadownloads.mlb.com/mlbam/preview/nynatl_448985_th_7_preview.jp
ghttp://mediadownloads.mlb.com/mlbam/preview/nynatl_448985_th_7_preview.jpght
tp://mediadownloads.mlb.com/mlbam/preview/nynatl_448985_th_37_preview.jpg"
## [12] "FS-MKMOX 1120, CRNFSWIWTMJ 620, Brewers Radio
Networkhttp://mediadownloads.mlb.com/mlbam/preview/milsln_448984_th_7_preview
.jpghttp://mediadownloads.mlb.com/mlbam/preview/milsln_448984_th_7_preview.jp
ghttp://mediadownloads.mlb.com/mlbam/preview/milsln_448984_th_37_preview.jpg"
## [13] "FS-AArizona Sports 98.7 FM, KSUN La Mejor 1400CSBAKNBR
680http://mediadownloads.mlb.com/mlbam/preview/sfnari_448987_th_7_preview.jpg
http://mediadownloads.mlb.com/mlbam/preview/sfnari_448987_th_7_preview.jpghtt
p://mediadownloads.mlb.com/mlbam/preview/sfnari_448987_th_37_preview.jpg"
## [14] "FSSD, FOX Deportes San DiegoXPRS 1090, XEMO 860ROOTRMKOA 850
AMhttp://mediadownloads.mlb.com/mlbam/preview/colsdn_448981_th_7_preview.jpgh
ttp://mediadownloads.mlb.com/mlbam/preview/colsdn_448981_th_7_preview.jpghttp
://mediadownloads.mlb.com/mlbam/preview/colsdn_448981_th_37_preview.jpg"
## [15] "FS-WKLAA 830, KWKW 1330FSSW105.3 The Fan, 1540am ESPN
Deporteshttp://mediadownloads.mlb.com/mlbam/preview/texana_448990_th_7_previe
```

```
w.jpghttp://mediadownloads.mlb.com/mlbam/preview/texana_448990_th_7_preview.j
pghttp://mediadownloads.mlb.com/mlbam/preview/texana_448990_th_37_preview.jpg
"
```

xmlToDataFrame()

This function can be used to extract data from an XML document (or sub-document) that has a simple, shallow structure that does appear reasonably commonly.

Usage

```
xmlToDataFrame(doc, colClasses = NULL, homogeneous = NA,
                collectNames = TRUE, nodes = list(),
                stringsAsFactors = default.stringsAsFactors())
```

Arguments

- doc - the XML content. This can be the name of a file containing the XML, the parsed XML document. If one wants to work on a subset of nodes, specify these via the nodes parameter.

- colClasses - a list/vector giving the names of the R types for the corresponding variables and this is used to coerce the resulting column in the data frame to this type. These can be named. This is similar to the colClasses parameter for read.table. If this is given as a list, columns in the data frame corresponding to elements that are NULL are omitted from the answer. This can be slightly complex to specify if the different nodes have the "variables" in quite different order as there is not a well defined order for the variables corresponding to colClasses.

- homogeneous - a logical value that indicates whether each of the nodes contains all of the variables (TRUE) or if there may be some nodes which have only a subset of them. The function determines this if the caller does not specify homogeneous or uses NA as the value. It is a parameter to allow the caller to specify this information and avoid these "extra" computations. If the caller knows this information it is more efficient to specify it.

- collectNames - a logical value indicating whether we compute the names by explicitly computing the union of all variable names or, if FALSE, we use the names from the node with the most children. This latter case is useful when the caller knows that the there is at least one node with all the variables.

- nodes - a list of XML nodes which are to be processed

- stringsAsFactors - a logical value that controls whether character vectors are converted to factor objects in the resulting data frame.

```
beer.recipes <- xmlToDataFrame("http://beerxml.com/recipes.xml")
class(beer.recipes)

## [1] "data.frame"
```

```
head(beer.recipes)

##          NAME VERSION      TYPE     BREWER ASST_BREWER  BATCH_SIZE
## 1 Burton Ale       1 All Grain Brad Smith             18.92716800
## 2  Dry Stout       1 All Grain Brad Smith             18.92716800
## 3     Porter       1 All Grain Brad Smith             18.92716800
## 4        Wit       1 All Grain Brad Smith             19.68425500
##     BOIL_SIZE BOIL_TIME EFFICIENCY
## 1 20.81988500        60       72.0
## 2 20.81988500        60       72.0
## 3 18.92716800        60       72.0
## 4 19.68425500        60       75.0
##
HOPS
## 1 Goldings, East Kent1United Kingdom5.500.0283500Boil60.000Used For:
General purpose hops for bittering/finishing all British Ales\nAroma: Floral,
aromatic, earthy, slightly sweet spicy flavor\nSubstitutes: Fuggles, BC
Goldings\nExamples: Bass Pale Ale, Fullers ESB, Samual Smith's Pale
Ale\nAromaPellet3.5035.01.00 oz1.00 oz60 minNorthern
Brewer1Germany7.500.0141750Boil60.000Also called Hallertauer Northern
Brewers\nUse for: Bittering and finishing both ales and lagers of all
kinds\nAroma: Fine, dry, clean bittering hop.  Unique flavor.\nSubstitute:
Hallertauer Mittelfrueh, Hallertauer\nExamples: Anchor Steam, Old Peculiar,
BothPellet4.0035.00.50 oz0.50 oz60 minFuggles1United
Kingdom5.000.0141750Boil2.000Used For: General purpose bittering/aroma for
English Ales, Dark Lagers\nAroma: Mild, soft, grassy, floral
aroma\nSubstitute: East Kent Goldings, Williamette\nExamples: Samuel Smith's
Pale Ale, Old Peculiar, Thomas Hardy's AleAromaPellet2.0035.00.50 oz0.50 oz2
minFuggles1United Kingdom4.500.0212620Dry Hop4320.00Used For: General purpose
bittering/aroma for English Ales, Dark Lagers\nAroma: Mild, soft, grassy,
floral aroma\nSubstitute: East Kent Goldings, Williamette\nExamples: Samuel
Smith's Pale Ale, Old Peculiar, Thomas Hardy's AleAromaPellet2.0035.00.75
oz0.75 oz3 days
## 2
Goldings, East Kent1United Kingdom5.000.0637860Boil60.000Used For: General
purpose hops for bittering/finishing all British Ales\nAroma: Floral,
aromatic, earthy, slightly sweet spicy flavor\nSubstitutes: Fuggles, BC
Goldings\nExamples: Bass Pale Ale, Fullers ESB, Samual Smith's Pale
Ale\nAromaPellet3.5035.02.25 oz2.25 oz60 min
## 3
Fuggles1United Kingdom4.500.0566990Boil60.000Used For: General purpose
bittering/aroma for English Ales, Dark Lagers\nAroma: Mild, soft, grassy,
floral aroma\nSubstitute: East Kent Goldings, Williamette\nExamples: Samuel
Smith's Pale Ale, Old Peculiar, Thomas Hardy's AleAromaPellet2.0035.02.00
oz2.00 oz60 min
## 4
Goldings, East Kent1United Kingdom5.000.0283500Boil60.000Used For: General
purpose hops for bittering/finishing all British Ales\nAroma: Floral,
aromatic, earthy, slightly sweet spicy flavor\nSubstitutes: Fuggles, BC
Goldings\nExamples: Bass Pale Ale, Fullers ESB, Samual Smith's Pale
```

Ale\nAromaPellet3.5035.01.00 oz1.00 oz60 min
##
FERMENTABLES
1
Pale Malt (2 Row) UK1Grain3.62873678.02.5FALSEUnited KingdomBase malt for all English beer styles\nLower diastatic power than American 2 Row Pale Malt1.54.045.010.1100.0FALSE0.0008.00 lb8.00 lb1.0362.5 SRMCaramel/Crystal Malt - 20L1Grain0.45359275.020.0FALSEUSAdds body, color and improves head retention.\nAlso called "Crystal" malt.1.54.00.013.220.0FALSE0.0001.00 lb1.00 lb1.03520.0 SRMBrown Sugar, Light1Sugar0.453592100.08.0FALSEUSImparts a rich sweet flavor. Used in Scottish ales, holiday ales and some old ales.----10.0FALSE0.0001.00 lb1.00 lb1.0468.0 SRM
2
Pale Malt (2 Row) UK1Grain2.26796078.02.5FALSEUnited KingdomBase malt for all English beer styles\nLower diastatic power than American 2 Row Pale Malt1.54.045.010.1100.0FALSE0.0005.00 lb5.00 lb1.0362.5 SRMBarley, Flaked1Grain0.90718470.01.7FALSEUSAdds significant body to Porters and Stouts. High haze producing protein prevents use in light beers.1.59.00.013.520.0TRUE0.0002.00 lb2.00 lb1.0321.7 SRMBlack Barley (Stout)1Grain0.45359255.0500.0FALSEUSUnmalted barley roasted at high temperature to create a dry, coffee like flavor.\nImparts a sharp acrid flavor characteristic of dry stouts.\nGives "dryness" to a stout or porter -- much more so than regular Roasted Barley1.55.00.013.210.0FALSE0.0001.00 lb1.00 lb1.025500.0 SRM
3 Pale Malt (2 Row) Bel1Grain3.62873680.03.2FALSEBelgiumBase malt for all beer styles\nHigher potential yield than US, English equivalent pale ale malts1.54.060.010.5100.0FALSE0.0008.00 lb8.00 lb1.0373.2 SRMBlack (Patent) Malt1Grain0.45359255.0500.0FALSEUSDark color and dry roasted flavor characteristic of Stouts and Porters\nUse for: Coloring in small amounts, or flavoring of Stouts and Porters in larger amounts.1.56.00.013.210.0FALSE0.0001.00 lb1.00 lb1.025500.0 SRMCaramel/Crystal Malt - 10L1Grain0.45359275.010.0FALSEUSAdds body, color and improves head retention.\nAlso called "Crystal" malt.1.54.00.013.220.0FALSE0.0001.00 lb1.00 lb1.03510.0 SRMChocolate Malt1Grain0.22679660.0350.0FALSEUSDark malt that gives a rich red or brown color and nutty flavor.\nUse for: Brown ales, porters, some stouts\nMaintains some malty flavor, not as dark as roasted malt.1.54.00.013.210.0FALSE0.0000.50 lb0.50 lb1.028350.0 SRMMunich Malt - 10L1Grain0.22679677.010.0FALSEUSMalty-sweet flavor characteristic and adds a slight orange color to the beer.\nDoes not contribute signficantly to body or head retention.\nUse for: Bock, Porter, Marzen, Oktoberfest beers2.85.050.013.580.0FALSE0.0000.50 lb0.50 lb1.03510.0 SRM
4
Pale Malt (2 Row) Bel1Grain2.04116480.03.2FALSEBelgiumBase malt for all beer styles\nHigher potential yield than US, English equivalent pale ale malts1.54.060.010.5100.0FALSE0.0004.50 lb4.50 lb1.0373.2 SRMWheat, Flaked1Grain2.04116477.01.6FALSEUSFlaked wheat adds to increased body and foam retention\nUsed in place of raw or torrified wheat for faster conversion and better yield.\nMay be used in small amounts to improve head retention and body\nExamples: Belgian White beer, Wit1.59.00.016.040.0TRUE0.0004.50 lb4.50

lb1.0351.6 SRM
##
MISCS
1 Irish Moss1FiningBoil0.00123210.000FALSEClarityFining agent that aids in the post-boil protein break. Reduces protein chill haze and improves beer clarity.0.25 tsp0.00 tsp10.0 min5.00 galPolyclar1FiningSecondary0.0073931440.000FALSEChill HazePlastic powder that reduces chill haze by removing tannins and proteins. Add to secondary after yeast has settled. Amounts vary by manufacturer -- check instructions before adding. Do not boil.0.25 oz0.00 oz1.0 days5.00 gal
2   Irish Moss1FiningBoil0.00123210.000FALSEClarityFining agent that aids in the post-boil protein break. Reduces protein chill haze and improves beer clarity.0.25 tsp0.00 tsp10.0 min5.00 galGypsum (Calcium Sulfate)1Water AgentMash0.01000060.000TRUEWater AgentReduces PH of water for mashing and sparging.   Alters water profile -- used to harden soft water. Use the BeerSmith Water Profile tool to determine amount to add.10.00 gm0.00 gm60.0 min5.00 gal
3   Irish Moss1FiningBoil0.00123210.000FALSEClarityFining agent that aids in the post-boil protein break. Reduces protein chill haze and improves beer clarity.0.25 tsp0.00 tsp10.0 min5.00 galGypsum (Calcium Sulfate)1Water AgentMash0.01000060.000TRUEWater AgentReduces PH of water for mashing and sparging.   Alters water profile -- used to harden soft water. Use the BeerSmith Water Profile tool to determine amount to add.10.00 gm0.00 gm60.0 min5.00 gal
4   Coriander Seed1SpiceBoil0.0221805.000FALSEBelgian WitUsed in Belgian Wit, Whites, and Holiday ales. Very good when used in light wheat ales. Often used with Bitter Orange Peel.0.75 oz0.00 oz5.0 min5.00 galOrange Peel, Bitter1SpiceBoil0.0221805.000FALSEBelgian WitMade from the Curaco Orange Peel, peels are green-gray in color. Used to add a distinctive flavor to Belgian Wits and White beers.0.75 oz0.00 oz5.0 min5.00 gal
##
YEASTS
1   Burton Ale1AleLiquid0.0350130FALSEWhite LabsWLP02320.000022.7778Medium72.0Burton-on-trent yeast produces a complex character. Flavors include apple, pear, and clover honey.All English styles including Pale Ale, IPA, Porter, Stout and Bitters.50FALSE35 ml68.0 F73.0 F0 Pkgs7/6/2003
2   Irish Ale1AleLiquid0.1250480FALSEWyeast Labs108416.666722.2222Medium73.0Dry diacetyl, fruity flavor characteristic of stouts. Full bodied, dry, clean flavor.Irish Dry Stouts, Porter, Scottish Ale, Brown Ale, Imperial Stout, Barley Wine50FALSE125 ml62.0 F72.0 F0 Pkgs7/6/2003
3 English Ale1AleLiquid0.0350130FALSEWhite LabsWLP00218.333320.0000Very High66.5Classic ESB strain best for English style milds, bitters, porters and English style stouts. Leaves a clear beer with some residual sweetness.English Pale Ale, ESB, India Pale Ale, Brown Ale, Porter, Sweet Stouts and Strong Ales50FALSE35 ml65.0 F68.0 F0 Pkgs7/6/2003
4   Belgian Wit Ale1WheatLiquid0.0350130FALSEWhite

LabsWLP40019.444423.3333Low76.0Phenolic and tart. The original yeast used to produce Wit in Belgium.Belgian Wit50FALSE35 ml67.0 F74.0 F0 Pkgs7/6/2003

##
WATERS
1 Burton On Trent, UK118.927168295.0300.0725.025.055.045.08.0Distinctive pale ales strongly hopped. Very hard water accentuates the hops flavor.\nExample: Bass Ale5.00 gal
2   Dublin, Ireland118.927168115.0200.055.019.012.04.08.0Irish ale water - used for dark, malty strong ales with medium bitterness. Famous for dry stouts.5.00 gal
3
\n
4
\n

##
STYLE
1 English Pale Ale1Bitter & English Pale Ale1ABJCP 1999Ale1.043000001.060000001.010000001.0200000020.040.06.0000000012.000000001.52.4>5.54.5Famous style from Burton-on-Trent. Stronger body than ordinary bitter, but slightly less bitter. A balanced, easy drinking beer that is malty and strong but not overbearing. Medium to full body, with medium to high bitterness and hop aroma. Dry with a defined hop flavor. Golden to copper color. Crystal malt evident. Low carbonation for kegs, medium for bottled version.English malt. Crystal malt. English hops. Water with high Calcium Sulfate (gypsum) profile enhances bitterness perception (i.e. famous Burton-on-Trent Water)Bass Pale Ale, Whitbread Pale Ale, Royal Oak1.043 SG1.060 SG1.010 SG1.020 SG6.0 SRM12.0 SRM1.043-1.060 SG1.010-1.020 SG20.0-40.0 IBU1.5-2.4 vols6.0-12.0 SRM4.5-5.5 %
2   Dry Stout (Irish)1Stout1ABJCP 1999Ale1.036000001.050000001.007000001.0120000030.050.035.00000000200.0000000001.62.1>5.53.0Famous Irish Stout (AKA Guiness). Dry roasted almost coffee like flavor. Irish versions have low starting gravity. Often mixed with soured, pasturized beer to give a slight acidity as well.Full body perception from Flaked Barley, thought starting gravity may be low. Dry roasted flavor. Generous hops, though malt flavor will dominate. Complex fruity flavor. Black opaque color.English malt. Roasted Barley and Flaked Barley for all grain. Some chocolate or black patent used in extract recipes. Goldings or Fuggles hops. Low sulfate, high calcium water.Guiness Stout1.036 SG1.050 SG1.007 SG1.012 SG35.0 SRM200.0 SRM1.036-1.050 SG1.007-1.012 SG30.0-50.0 IBU1.6-2.1 vols35.0-200.0 SRM3.0-5.5 %
3   Robust Porter1Porter15ABJCP 1999Ale1.050000001.065000001.012000001.0160000025.045.030.0000000060.000000001.82.5>6.04.8Stronger, darker version of porter with a slight dryness. Flavor derived from chocolate and black malts, but lacks the strong roasted flavor of a dry stout.Medium to full body, slightly dry. Well balanced, low to medium malt flavor and hop bitterness. Dark brown to black color. Medium to no hop flavor. Low ester, fruitiness, diacytl. Low to med carbonation.English malt. Dark Crystal, chocolate and black or roast malt. Traditional english ale hops and yeast. Moderate carbonate water.Sierra

Nevada Porter, Anchor Porter1.050 SG1.065 SG1.012 SG1.016 SG30.0 SRM60.0 SRM1.050-1.065 SG1.012-1.016 SG25.0-45.0 IBU1.8-2.5 vols30.0-60.0 SRM4.8-6.0 %

4   Witbier1Belgian & French Ale1ABJCP 1999Ale1.044000001.055000001.008000001.0120000015.025.02.000000004.000000002.12.7>5.54.1Distinctive Wit or "White" beer spiced with bitter Curacao orange peel and coriander. A distinctive yeast strain provides orange aroma/flavor.Light to medium body. Unmalted wheat adds body and disctinctive flavor. Large white head. Low hop bitterness and flavor. Pale yellow color. Moderate carbonation. Some chill haze is OK.Belgian pale malt. Up to 50% unmalted wheat (torrified or flaked often used). 5-10% flaked or rolled oats. Noble hops (Hallertauer or Saaz). Wit yeast. Curaco bitter orange peel and coriander. Soft water.Celis White, Wieckse Witte1.044 SG1.055 SG1.008 SG1.012 SG2.0 SRM4.0 SRM1.044-1.055 SG1.008-1.012 SG15.0-25.0 IBU2.1-2.7 vols2.0-4.0 SRM4.1-5.5 %

##
EQUIPMENT
1 Brew Pot (6+gal) and Igloo/Gott Cooler (5 Gal)122.7056690018.92716818.927168001.8143680.3000.000000000.946358009.060.0FALSE0.946358000.00000000100.0Popular all grain setup. 5 Gallon Gott or Igloo cooler as mash tun with false bottom, and 7-9 gallon brewpot capable of boiling at least 6 gallons of wort. Primarily used for single infusion mashes.6.00 gal5.00 gal5.00 gal4.00 lb0.00 gal0.25 gal0.25 gal0.00 gal
2 Brew Pot (6+gal) and Igloo/Gott Cooler (5 Gal)122.7056690018.92716818.927168001.8143680.3000.000000000.946358009.060.0FALSE0.946358000.00000000100.0Popular all grain setup. 5 Gallon Gott or Igloo cooler as mash tun with false bottom, and 7-9 gallon brewpot capable of boiling at least 6 gallons of wort. Primarily used for single infusion mashes.6.00 gal5.00 gal5.00 gal4.00 lb0.00 gal0.25 gal0.25 gal0.00 gal
3 Brew Pot (6+gal) and Igloo/Gott Cooler (5 Gal)122.7056690018.92716818.927168001.8143680.3000.000000000.946358009.060.0FALSE0.946358000.00000000100.0Popular all grain setup. 5 Gallon Gott or Igloo cooler as mash tun with false bottom, and 7-9 gallon brewpot capable of boiling at least 6 gallons of wort. Primarily used for single infusion mashes.6.00 gal5.00 gal5.00 gal4.00 lb0.00 gal0.25 gal0.25 gal0.00 gal
4 Brew Pot (6+gal) and Igloo/Gott Cooler (5 Gal)122.7056690018.92716818.927168001.8143680.3000.000000000.946358009.060.0FALSE0.946358000.00000000100.0Popular all grain setup. 5 Gallon Gott or Igloo cooler as mash tun with false bottom, and 7-9 gallon brewpot capable of boiling at least 6 gallons of wort. Primarily used for single infusion mashes.6.00 gal5.00 gal5.00 gal4.00 lb0.00 gal0.25 gal0.25 gal0.00 gal
##
MASH
1
Single Infusion, Full Body122.2222220022.2222220075.555556005.41.814368000.30000000FALSE72.0 F72.0168.0 F4.00 lbMash In1Infusion10.6465324570.00000000270.00000000Add 11.25 qt of water at 170.5 F1.250.00 qt170.5 FDISPLAY_STEP_TEMP11.25 qtMash Out1Infusion6.8137801075.55555600275.55555600Add 7.20 qt of water at 185.9

F2.050.00 qt185.9 FDISPLAY_STEP_TEMP7.20 qt
2
Single Infusion, Medium
Body122.2222220022.2222220075.555556005.41.814368000.30000000FALSE72.0
F72.0168.0 F4.00 lbMash In1Infusion9.4635846067.77777800267.77777800Add 10.00
qt of water at 165.9 F1.250.00 qt165.9 FDISPLAY_STEP_TEMP10.00 qtMash
Out1Infusion6.0566941075.55555600275.55555600Add 6.40 qt of water at 193.1
F2.050.00 qt193.1 FDISPLAY_STEP_TEMP6.40 qt
3
Single Infusion, Medium
Body122.2222220022.2222220075.555556005.41.814368000.30000000FALSE72.0
F72.0168.0 F4.00 lbMash In1Infusion13.0124286067.77777800267.77777800Add
13.75 qt of water at 165.9 F1.250.00 qt165.9 FDISPLAY_STEP_TEMP13.75 qtMash
Out1Infusion8.3279541075.55555600275.55555600Add 8.80 qt of water at 193.1
F2.050.00 qt193.1 FDISPLAY_STEP_TEMP8.80 qt
4 Single Infusion, Medium
Body122.2222220022.2222220075.555556005.41.814368000.30000000FALSESimple
single infusion mash for use with most modern well modified grains (about 95%
of the time).72.0 F72.0168.0 F4.00 lbMash
In1Infusion10.6465326067.77777800267.77777800Add 11.25 qt of water at 165.9
F1.250.00 qt165.9 FDISPLAY_STEP_TEMP11.25 qtMash
Out1Infusion5.9620581075.55555600275.55555600Add 6.30 qt of water at 196.6
F1.950.00 qt196.6 FDISPLAY_STEP_TEMP6.30 qt
##
NOTES
1
2 A very simple all grain beer that produces a great Guiness-style taste
every time. So light in body that I have even made black and tans with it
using a full body pale ale in the bottom of the glass.
3
4
Many thanks to Jay Russ for starting me on Wit - and providing some starter
recipes from which this one eventually evolved!
##
TASTE_NOTES
1 A smooth tasting pale ale -- full in body and a great long lasting head.
Another great beer to stock -- favorite with guests. Make's a great black
and tan when combined with light bodied Irish stout.
2   One of my
favorite stock beers - I always keep a keg on hand. Rich flavored dry Irish
Stout that is very simple to make. Perfect every time!
3
Smooth tasting complex English porter. A bit on the "robust" side.
4
Great tasting Wit! A summer favorite! Lacy white head that lasts and lasts.
Distinctive, light wheat beer with a hint of spice.
TASTE_RATING   OG   FG CARBONATION FERMENTATION_STAGES
1   38.0 1.05400000 1.01500000   2.4   2
2   44.0 1.03800000 1.01200000   2.3   2
3   40.0 1.05400000 1.01800000   2.3   2

```
## 4              47.0 1.04700000 1.01300000              2.4              2
##    PRIMARY_AGE PRIMARY_TEMP SECONDARY_AGE SECONDARY_TEMP TERTIARY_AGE  AGE
## 1           4       20.000             7         20.000            0 14.0
## 2           4       20.000             7         20.000            0  7.0
## 3           4       20.000             7         20.000            0 28.0
## 4           4       20.000             7         20.000            0 28.0
##    AGE_TEMP CARBONATION_USED      DATE    EST_OG    EST_FG EST_COLOR     IBU
## 1   11.111           12 PSI 4/6/2003 1.056 SG 1.015 SG   7.0 SRM 32.4 IBU
## 2    5.000                - 4/1/2003 1.039 SG 1.010 SG  35.9 SRM 44.2 IBU
## 3   11.111                - 4/16/2003 1.056 SG 1.018 SG  44.9 SRM 29.5 IBU
## 4   11.111                - 4/17/2003 1.047 SG 1.011 SG   4.0 SRM 17.0 IBU
##    IBU_METHOD EST_ABV  ABV ACTUAL_EFFICIENCY     CALORIES
## 1    Tinseth  5.3 % 5.1 %            69.7 % 242 cal/pint
## 2    Tinseth  3.7 % 3.4 %            70.6 % 168 cal/pint
## 3    Tinseth  4.9 % 4.7 %            70.0 % 244 cal/pint
## 4    Tinseth  4.7 % 4.4 %            75.2 % 209 cal/pint
##    DISPLAY_BATCH_SIZE DISPLAY_BOIL_SIZE DISPLAY_OG DISPLAY_FG
## 1            5.00 gal          5.50 gal   1.054 SG   1.015 SG
## 2            5.00 gal          5.50 gal   1.038 SG   1.012 SG
## 3            5.00 gal          5.00 gal   1.054 SG   1.018 SG
## 4            5.20 gal          5.20 gal   1.047 SG   1.013 SG
##    DISPLAY_PRIMARY_TEMP DISPLAY_SECONDARY_TEMP DISPLAY_TERTIARY_TEMP
## 1                68.0 F                 68.0 F                68.0 F
## 2                68.0 F                 68.0 F                68.0 F
## 3                68.0 F                 68.0 F                68.0 F
## 4                68.0 F                 68.0 F                68.0 F
##    DISPLAY_AGE_TEMP
## 1           52.0 F
## 2           41.0 F
## 3           52.0 F
## 4           52.0 F
```