

**Video Game Playing Questionnaire - *DURING* THE PAST YEAR**

ID: \_\_\_\_\_

Date: \_\_\_\_\_

这个问题是关于你在过去 12 个月以来的游戏活动情况。对于每种游戏，标明在校期间（不包括假期）每周（包括周末）玩该游戏的小时数。本问题将会给你提供 6 种不同的回答选项；请仅选择唯一选项(不可多选)：从不；少于 1 小时；1-3 小时之间；3-5 小时之间；5-10 小时之间；超过 10 小时。如果你的回答介于截止点，请选择更低的选项（例如，如果每周游玩 3 小时，请选择选项“1-3 小时之间”）。如果你正在游玩《堡垒之夜》和/或《我的世界》，请根据下列内容进行分类： 《堡垒之夜：拯救世界》或《堡垒之夜：大逃杀》 = 第一人/第三人称射击类 《堡垒之夜：创造》 = 益智游戏 《我的世界》 = 益智游戏	小时/每星期					
	从不	少于 1 小时	1 - 3 小时之间	3 - 5 小时之间	5 - 10 小时之间	超过 10 小时
<b>第一人/第三人称射击类：</b> （例如，使命召唤、光环、Apex 英雄、半衰期、守望先锋、反恐精英等）						
<b>动作角色扮演游戏\冒险游戏：</b> （例如，巫师、质量效应、辐射 4、上古卷轴 5：天际、侠盗猎车、刺客信条、古墓丽影、最后的生还者等）						
<b>体育\竞速类：</b> （例如，FIFA、NHL、马里奥赛车、极品飞车、极限竞速、火箭联盟等）						
<b>即时战略\多人在线竞技游戏（MOBA）：</b> （例如，星际争霸系列、魔兽争霸系列、DotA、命令与征服、英雄联盟、帝国时代、宝可梦大集结等）						
<b>回合制\非动作角色扮演\幻想游戏：</b> （例如，魔兽世界、最终幻想、宝可梦、神界：原罪 2、时空之轮等）						
<b>回合制策略\人生模拟\益智游戏：</b> （例如，文明、炉石传说、模拟人生、Roblox、太空狼人杀、奇迹餐厅、字谜探险、宝石迷阵、纸牌、糖果传奇等）						
<b>音乐类游戏：</b> （例如，吉他英雄、热舞革命、摇滚乐队、节奏光剑等）						
<b>其他不属于上述类型的游戏：</b> （例如，手机游戏、网页游戏、格斗游戏等）						

## Video Game Playing Questionnaire - *BEFORE THE PAST YEAR*

ID: \_\_\_\_\_

Date: \_\_\_\_\_

<p>这个问题是关于你在过去 12 个月之前任何时期的游戏活动情况。对于每种游戏，标明在校期间（不包括假期）每周（包括周末）玩该游戏的小时数。本问题将会给你提供 6 种不同的回答选项；请选择唯一选项(不可多选)：从不；少于 1 小时；1-3 小时之间；3-5 小时之间；5-10 小时之间；超过 10 小时。如果你的回答介于截止点，请选择更低的选项（例如，如果每周游玩 3 小时，请选择选项“1-3 小时之间”）。如果你正在游玩《堡垒之夜》和/或《我的世界》，请根据下列内容进行分类： 《堡垒之夜：拯救世界》或《堡垒之夜：大逃杀》 = 第一人/第三人称射击类 《堡垒之夜：创造》 = 益智游戏 《我的世界》 = 益智游戏</p>	小时/每星期					
	从不	少于 1 小时	1 - 3 小时之间	3 - 5 小时之间	5 - 10 小时之间	超过 10 小时
<b>第一人/第三人称射击类：</b> （例如，使命召唤、光环、Apex 英雄、半衰期、守望先锋、反恐精英等）						
<b>动作角色扮演游戏\冒险游戏：</b> （例如，巫师、质量效应、辐射 4、上古卷轴 5：天际、侠盗猎车、刺客信条、古墓丽影、最后的生还者等）						
<b>体育\竞速类：</b> （例如，FIFA、NHL、马里奥赛车、极品飞车、极限竞速、火箭联盟等）						
<b>即时战略\多人在线竞技游戏（MOBA）：</b> （例如，星际争霸系列、魔兽争霸系列、DotA、命令与征服、英雄联盟、帝国时代、宝可梦大集结等）						
<b>回合制\非动作角色扮演\幻想游戏：</b> （例如，魔兽世界、最终幻想、宝可梦、神界：原罪 2、时空之轮等）						
<b>回合制策略\人生模拟\益智游戏：</b> （例如，文明、炉石传说、模拟人生、Roblox、太空狼人杀、奇迹餐厅、字谜探险、宝石迷阵、纸牌、糖果传奇等）						
<b>音乐类游戏：</b> （例如，吉他英雄、热舞革命、摇滚乐队、节奏光剑等）						
<b>其他不属于上述类型的游戏：</b> （例如，手机游戏、网页游戏、格斗游戏等）						

### Information to Researchers

1. The administered questionnaire is only valid to define extremes of game play by category or video game genre; For example, contrasting action video game players (AVGPs) with non-video game players (NVGPs). It is **NOT** appropriate for continuous measure of weekly hours of video game play. Hourly reports are not reliable as sampled - see Green et al. (2017) for a discussion of this point
2. Video game genres as classified in the questionnaire keep evolving by integrating different game design mechanics. In the cognitive neuroscience literature, the term “action video game players” is used to refer to only first and third person shooters. Yet, it tends to now be more encompassing of other genres that also integrate some of the identified action mechanics into their game play. The AVGP criteria below reflect that shift. This state of affairs has several consequences.
  - a. From that point of view, be aware that it would not make sense to contrast AVGP as defined below to Action\_RPG, or Sport/Driving or RTS/MOBA.
  - b. Some game titles have changed categories between their different releases (e.g. Warcraft). The experimenter should thus verify the exact classification of a specific video game *title AND version* on this wiki on game genres if unsure (e.g., Warcraft I, II and III in RTS, whereas World of Warcraft (IV) is an MMPORG. Link to the wiki : [https://en.wikipedia.org/wiki/List\\_of\\_video\\_game\\_genres](https://en.wikipedia.org/wiki/List_of_video_game_genres))
  - c. Fortnite can have different play modes :
    - Fornite *Battle Royale* and *Save the World* game modes fall under Action\_First/Third
    - Fortnite *Creation* (“building”) game mode, ( as well as Minecraft) fall under Turn Based Strategy/LifeSim/Puzzle
3. Because VG questionnaires are not systematically administered at the time of data collection and video game play may have changed, it is critical to keep the delay between administration of the VG questionnaire and participation in other tasks as short as possible. To be included in a study as an AVGP or NVGP, a VG questionnaire leading to the respective qualification needs to have been collected less than 3 months before the data collection.

#### References :

Green, C. S., Kattner, F., Eichenbaum, A., Bediou, B., Adams, D. M., Mayer, R. E., & Bavelier, D. (2017). Playing Some Video Games but Not Others Is Related to Cognitives Abilities. *Psychological Science*, 28(5), 679-682.

**NVGP criteria**

All criteria MUST apply.

• **During** the Past Year

(1) At most 0-1 hour per week for Action\_First/Third

AND

(2) At most 0-1 hour per week for Action\_RPG/Adv.

AND

(3) At most 0-1 hour per week for Sport/Driving

AND

(4) At most 0-1 hour per week for RTS/MOBA

AND

(5) At most 1-3 hours per week for each of the remaining game categories  
(Non-Action\_RPG/FANTASY, Turn Based Strategy/LifeSim/Puzzle, Music games and Other)

AND

(6) *Using the following score (i.e. never=0, 0-1 hour=1, 1-3 hours=2, 3-5 hours=3, ...)*  
Strictly less than 5 when ALL GAME GENRES are summed.

AND

• **Before** the Past Year

(1) At most 0-1 hour per week for Action\_ First/Third

AND

(2) At most 0-1 hour per week for Action\_RPG/Adv.

AND

(3) At most 0-1 hour per week for Sport/Driving

AND

(4) At most 0-1 hour per week for RTS/MOBA

AND

(5) At most 1-3 hours per week for any of the remaining game categories  
(Non-Action\_RPG/FANTASY, Turn Based Strategy/LifeSim/Puzzle, Music games and Other)

AND

(6) *Using the following score (i.e. never= 0, 0-1 hour= 1, 1-3 hours= 2, 3-5 hours= 3, ...)*  
Strictly less than 5 when ALL GAME GENRES are summed.

**AVGP criteria**

Four options possible - All criteria MUST apply within each option.

**OPTION 1.** *Individuals who are heavy current action game players (First-person shooter, Third-person shooter, and / or action-RPG/adventure). They should also be low players of all other genres.*

**Select for Heavy Current experience in Action games**

- (1) ( At least 5+ hours for Action\_First/Third **during** past year  
OR  
At least 5+ hours for Action\_RPG/Adv. **during** past year )

AND

**Select for Low Current experience in all other games**

- (2) At most 1-3 hours **during** past year on each game category listed:  
Non-Action\_RPG/FANTASY, Turn Based Strategy/LifeSim/Puzzle, Music games and Other (that is all other game categories **but** RTS/MOBA and Sport/Driving)

OR

**OPTION 2.** *Individuals who are currently medium action game players (First-person shooter, Third-person shooter, and or action-RPG/adventure), but in years prior to this year were heavy action game players. They should also be low players of all other genres.*

**Select for Medium Current experience in Action games**

- (1) ( At least 3-5 hours for Action\_First/Third **during** past year  
OR  
At least 3-5 hours for Action\_RPG/Adv. **during** past year )

AND

**Select for Heavy Past experience in Action games**

- (2) ( At least 5+ hours on Action\_First/Third **before** past year  
OR  
At least 5+ hours for Action\_RPG/Adv. **before** past year )

AND

**Select for Low Current experience in all other games**

- (3) At most 1-3 hours **during** past year on each game category listed:  
Non-Action\_RPG/FANTASY, Turn Based Strategy/LifeSim/Puzzle, Music games and Other (that is all other game categories **but** RTS/MOBA and Sport/Driving)

OR

**OPTION 3.** *Individuals who are currently medium Action game players (First-person shooter, Third-person shooter, and or action-RPG/adventure) and currently heavy Sports/Driving games players. They should also be low players of all other genres.*

**Select for Medium Current experience in Action games**

- (1) ( At least 3-5 hours for Action\_First/Third **during** past year  
OR  
At least 3-5 hours for Action\_RPG/Adv. **during** past year )

AND

**Select for Heavy Current experience in Sport/Driving games**

- (2) At least 5+ hours in Sport/Driving **during** past year

AND

**Select for Low Current experience in all other games**

- (3) At most 1-3 hours on each remaining game category **during** past year:  
Non-Action\_RPG/FANTASY, Turn Based Strategy/LifeSim/Puzzle, Music games and Other (that is all other game categories **but** RTS/MOBA)

OR

**OPTION 4.** *Individuals who are currently medium Action game players (First-person shooter, Third-person shooter, and or action-RPG/adventure) and currently heavy RTS/MOBA games players. They should also be low players of all other genres.*

**Select for Medium Current experience in Action games**

- (1) ( At least 3-5 hours for Action\_First/Third **during** past year  
OR  
At least 3-5 hours for Action\_RPG/Adv. **during** past year )

AND

**Select for Heavy Current experience in RTS/MOBA games**

- (2) At least 5+ hours in RTS/MOBA **during** past year

AND

**Select for Low Current experience in all other games**

- (3) At most 1-3 hours on each remaining game category **during** past year:  
Non-Action\_RPG/FANTASY, Turn Based Strategy/LifeSim/Puzzle, Music games and Other (that is all other game categories **but** Sport/Driving)

### LOW Tweener criteria

While most studies in the literature have used NVGPs for training studies, these are nowadays so rare that “low tweeners” are also being considered as training participants. “Low tweeners” are selected for low action game experience AND for moderate experience in game play AND for non-expert experience in any game genre.

#### Select for low action

- (1) At most 0-1 hour of Action\_First/Third **during** past year  
AND
- (2) At most 0-1 hour of Action\_RPG/Adv. **during** past year  
AND
- (3) (At most 1-3 hours in Sport/Driving **during** past year AND at most 0-1 hour of RTS/MOBA **during** past year  
OR  
At most 0-1 hour of Sport/Driving **during** past year AND at most 1-3 hours in RTS/MOBA **during** past year)  
AND
- (4) At most 1-3 hours of Action\_First/Third **before** past year  
AND
- (5) At most 1-3 hours of Action\_RPG/Adv. **before** past year  
AND
- (6) At most 3-5 hours of Sports/Driving **before** past year  
AND
- (7) At most 3-5 hours of RTS/MOBA **before** past year

AND

#### Select for Moderate experience in game play

- (8) Do not qualify as a NVGP  
AND
- (9) *Using the mean of all hourly categories (i.e. never= 0, 0-1 hour= 0.5, 1-3 hours= 2, 3-5 hours= 4, 5-10 hours= 7.5, +10 hours= 15.*  
Sum of ALL GAME GENRES **during** past year is greater than 1 hour and less than or equal to 10 hours  
OR  
( Sum of ALL GAME GENRES **during** past year is less than or equal to 1 hour  
AND  
Sum of ALL GAME GENRES **before** past year is greater than or equal to 5 hours ;  
*OR 2 hours if not enough participants )*

AND

#### Select for Non-expert experience in any game genre

- (10) At most 3-5 hours for each of the game genres listed in the VG questionnaire **during** past year